Supplementary Material 1, Table 1. Overview of pathological signs of infected birds. The table shows the frequency of pathological signs in absolute values and in percentages.

Gross pathology lesions	Chicken n=68	Guinea fowl n=3	Duck n=8	Goose n=13	Mute swan n=4	Pheasant n=5	Grey heron/egret n=19
Cyanosis or hyperemia of comb and wattle, head skin or beak	46 (68%)		6 (75%)	9 (69%)			
Cardiac or epicardiac haemorrhages, petechiae or inflammation			3 (38%)	5 (38%)	4 (100%)		2 (11%)
Enlarged spleen	56 (82%)	3 (100%)	6 (75%)	11 (85%)	4 (100%)	5 (100%)	8 (42%)
Serosal haemorrhages	32 (47%)	3 (100%)	7 (88%)	6 (46%)	2 (50%)		4 (21%)
Pancreatic necrosis or haemorrhages	34 (50%)	3 (100%)	6 (75%)	11 (85%)	2 (50%)		8 (42%)
Proventricular haemorrhages or erosions	47 (69%)	3 (100%)	4 (50%)	8 (62%)	2 (50%)		8 (42%)
Lung hyperemia	59 (87%)	3 (100%)	8 (100%)	10 (77%)	4 (100%)	5 (100%)	19 (100%)
Hyperemic trachea	53 (78%)	3 (100%)	7 (88%)	10 (77%)	1 (25%)		8 (42%)
Leg cyanosis or hyperemia	10 (15%)	3 (100%)		5 (38%)			

91-100%
81-90%
71-80 %
61-70 %
51-60%
41-50 %
31-40 %
21-30 %
11-20 %
1-10%

PB2|A/chicken/Scotland/1959|EPI_ISL_70098|A_/_H5N1|1959-01-04
PB2|A/Goose/Guangdong/1/96|EPI_ISL_1254|A_/_H5N1|1996-01-01
PB2|A/duck/Mongolia/543/2015|EPI_ISL_209131|A_/_H4N6|2015-08-31
PB2|A/Common_Teal/Chany_Lake/38/2019|EPI_ISL_400269|A_/_H3N8|2019-09-07
PB2|A/swan/Poland/MB078_22VIR2515-7/2022|EPI_ISL_11922813|A_/_H5N1|2022-02-10
PB2|A/duck/Poland/H188_22VIR2515-2/2022|EPI_ISL_11922808|A_/_H5N1|2022-03-02
PB2|A/grey_heron/Czech_Republic/25338-1/2021|EPI_ISL_12223688|A_/_H5N1|2021-12-18
PB2|A/grey_heron/Czech_Republic/25338-2/2021|EPI_ISL_12223734|A_/_H5N1|2021-12-18
PB2|A/grey_heron/Czech_Republic/23608-1K/2021|EPI_ISL_8515482|A_/_H5N1|2021-11-28
PB2|A/great_egret/Czech_Republic/23609/2021|EPI_ISL_8515483|A_/_H5N1|2021-11-28
PB2|A/grey_heron/Czech_Republic/23608/2021|EPI_ISL_8515481|A_/_H5N1|2021-11-28
PB2|A/mallard/Novosibirsk_region/3541k/2020|EPI_ISL_1241001|A_/_H12N5|2020-08-29
PB2|A/chicken/Czech_Republic/25690/2021|EPI_ISL_9603929|A_/_H5N1|2021-12-22
PB2|A/mute_swan/Czech_Republic/22380/2021|EPI_ISL_9603920|A_/_H5N1|2021-11-15
PB2|A/turkey/Italy/21VIR10251/2021|EPI_ISL_7733628|A_/_H5N1|2021-11-25
PB2|A/chicken/Italy/21VIR10352/2021|EPI_ISL_7733641|A_/_H5N1|2021-11-26
PB2|A/turkey/Italy/21VIR11053-1/2021|EPI_ISL_8882187|A_/_H5N1|2021-12-13
PB2|A/turkey/Italy/21VIR11803-1/2021|EPI_ISL_8882201|A_/_H5N1|2021-12-27
PB2|A/quinea_fowl/Nigeria/OG-GF11T_19VIR8424-7/2019_H5N8|EPI_ISL_405278|A_/_H5N8|2019-07-05
PB2|A/chicken/Iraq/1/2020|EPI_ISL_623074|A_/_H5N8|2020-05-12
PB2|A/eurasian_curlew/Netherlands/20016890-001/2020|EPI_ISL_632316|A_/_H5N1|2020-11-01
PB2|A/goose/Czech_Republic/20689-27T/2021|EPI_ISL_6511912|A_/_H5N1|2021-10-22
PB2|A/goose/Czech_Republic/20689-28T/2021|EPI_ISL_6512576|A_/_H5N1|2021-10-22
PB2|A/duck/Italy/21VIR8024-1/2021|EPI_ISL_7987334|A_/_H5N3|2021-09-23
PB2|A/chicken/Czech_Republic/3306-2/2022|EPI_ISL_12325210|A_/_H5N1|2022-02-09
PB2|A/duck/Czech_Republic/3306-1/2022|EPI_ISL_12324302|A_/_H5N1|2022-02-09
PB2|A/goose/France/21P014207/2021|EPI_ISL_9377021|A_/_H5N1|2021-12-23
PB2|A/Cygnus_olor/Romania/16381_21VIR10306/2021|EPI_ISL_8440175|A_/_H5N1|2021-11-11
PB2|A/egret/France/21P013418/2021|EPI_ISL_8377254|A_/_H5N1|2021-12-03
PB2|A/duck/Bulgaria/756-4_22VIR778-6/2021|EPI_ISL_11007540|A_/_H5N1|2021-12-01
PB2|A/hen/Bulgaria/854-1_22VIR778-10/2021|EPI_ISL_11007537|A_/_H5N1|2021-12-29
PB2|A/partridge/Bulgaria/745_22VIR778-3/2021|EPI_ISL_11007722|A_/_H5N1|2021-11-23
PB2|A/hen/Bulgaria/722-1_22VIR778-1/2021|EPI_ISL_11007538|A_/_H5N1|2021-11-15
PB2|A/turkey/Bulgaria/755-1_22VIR778-4/2021|EPI_ISL_11007539|A_/_H5N1|2021-11-30
PB2|A/hen/Bulgaria/757-6_22VIR778-7/2021|EPI_ISL_11007541|A_/_H5N1|2021-12-02
PB2|A/chicken/Czech_Republic/2968/2022|EPI_ISL_13955171|A_/_H5N1|2022-02-04
PB2|A/chicken/Czech_Republic/8028-1/2022|EPI_ISL_13955204|A_/_H5N1|2022-04-13
PB2|A/chicken/Czech_Republic/8028-2/2022|EPI_ISL_13967740|A_/_H5N1|2022-04-13
PB2|A/mallard/Italy/21VIR6957-6/2021|EPI_ISL_7987333|A_/_H5N1|2021-08-20
PB2|A/Eurasian_wigeon/Germany-SH/AI05953/2021|EPI_ISL_7753152|A_/_H5N1|2021-10-14
PB2|A/mute_swan/Poland/MB490-L1/2021|EPI_ISL_6937114|A_/_H5N1|2021-11-08
PB2|A/seagull/Italy/21VIR11259-12/2021|EPI_ISL_8882218|A_/_H5N1|2021-12-15
PB2|A/barnacle_goose/Netherlands/2/2014|EPI_ISL_267243|A_/_H3N6|2014-12-15
PB2|A/Common_Teal/Omsk_Region/54/2019|EPI_ISL_400271|A_/_H3N8|2019-08-31
PB2|A/common_teal/Novosibirsk_region/3515k/2020|EPI_ISL_1240993|A_/_H3N8|2020-08-29
PB2|A/duck/Czech_Republic/18520-2/2021|EPI_ISL_5323347|A_/_H5N1|2021-09-27
PB2|A/goose/Czech_Republic/18520-1/2021|EPI_ISL_5323346|A_/_H5N1|2021-09-27
PB2|A/teal/Dagestan/23d/2018|EPI_ISL_339040|A_/_H3N8|2018-09-15
PB2|A/Anas_platyrhynchos/Belgium/7976/2018|EPI_ISL_502614|A_/_H4N2|2018-04-09
PB2|A/Barnacle_goose/Netherlands/2/2022|EPI_ISL_9261744|A_/_H5N1|2022-01-11
PB2|A/Turkey/Hungary/16603/2021_-_H5N1_|EPI_ISL_3135897|A_/_H5N1|2021-04-13
PB2|A/white_stork/Poland/MB391/2021|EPI_ISL_2681045|A_/_H5N1|2021-04-20
PB2|A/domestic_goose/Poland/H1931-T1/2021|EPI_ISL_6931008|A_/_H5N1|2021-11-03
PB2|A/chicken/Poland/H1940-N/2021|EPI_ISL_6931288|A_/_H5N1|2021-11-05
PB2|A/chicken/Czech_Republic/61-1/2022|EPI_ISL_11327088|A_/_H5N1|2021-12-31
PB2|A/chicken/Czech_Republic/61-2/2022|EPI_ISL_11327089|A_/_H5N1|2021-12-31
PB2|A/kestrel/Italy/21VIR10468/2021|EPI_ISL_7733642|A_/_H5N1|2021-11-30
PB2|A/turkey/Italy/21VIR9652-2/2021|EPI_ISL_7733629|A_/_H5N1|2021-11-15
PB2|A/turkey/Italy/21VIR8817-1/2021|EPI_ISL_7733648|A_/_H5N1|2021-10-25
PB2|A/goose/Czech_Republic/22608-1/2021|EPI_ISL_8515478|A_/_H5N1|2021-11-18
PB2|A/goose/Czech_Republic/22608-2/2021|EPI_ISL_8515479|A_/_H5N1|2021-11-18
PB2|A/goose/Czech_Republic/22608-2T/2021|EPI_ISL_9603819|A_/_H5N1|2021-11-18
PB2|A/seagull/Italy/21VIR9432-2/2021|EPI_ISL_7733621|A_/_H5N1|2021-11-11
PB2|A/chicken/Italy/21VIR9691-2/2021|EPI_ISL_7733630|A_/_H5N1|2021-11-15
PB2|A/goose/Czech_Republic/22608-1T/2021|EPI_ISL_9603795|A_/_H5N1|2021-11-18
PB2|A/chicken/Italy/21VIR10239/2021|EPI_ISL_7733595|A_/_H5N1|2021-11-25
PB2|A/turkey/Italy/21VIR9143-2/2021|EPI_ISL_7733633|A_/_H5N1|2021-11-03
PB2|A/goose/Czech_Republic/23458-1K/2021|EPI_ISL_9603780|A_/_H5N1|2021-11-26
PB2|A/turkey/Italy/21VIR9210-1/2021|EPI_ISL_7733647|A_/_H5N1|2021-11-05
PB2|A/turkey/Italy/21VIR9767-3/2021|EPI_ISL_7733624|A_/_H5N1|2021-11-17
PB2|A/chicken/Italy/21VIR9765-12/2021|EPI_ISL_7733634|A_/_H5N1|2021-11-17
PB2|A/swan/Spain/4087-1_22VIR2142-1/2021|EPI_ISL_11259292|A_/_H5N1|2021-12-22
PB2|A/turkey/Italy/21VIR11887-3/2021|EPI_ISL_8882170|A_/_H5N1|2021-12-29
PB2|A/turkey/Italy/21VIR10340/2021|EPI_ISL_7733597|A_/_H5N1|2021-11-29
PB2|A/goose/Czech_Republic/22608-3T/2021|EPI_ISL_9603901|A_/_H5N1|2021-11-18
PB2|A/goose/Czech_Republic/22750/2021|EPI_ISL_9603924|A_/_H5N1|2021-11-19
PB2|A/goose/Czech_Republic/25322-205/2021|EPI_ISL_12150666|A_/_H5N1|2021-12-18
PB2|A/goose/Czech_Republic/25322-229/2021|EPI_ISL_12325995|A_/_H5N1|2021-12-18
PB2|A/goose/Czech_Republic/23458-4T/2021|EPI_ISL_9603775|A_/_H5N1|2021-11-26
PB2|A/goose/Czech_Republic/23458-5T/2021|EPI_ISL_9603769|A_/_H5N1|2021-11-26
PB2|A/goose/Czech_Republic/23458-2T/2021|EPI_ISL_9603767|A_/_H5N1|2021-11-26
PB2|A/goose/Czech_Republic/25322-179/2021|EPI_ISL_12150664|A_/_H5N1|2021-12-18
PB2|A/chicken/Italy/21VIR9133-20/2021|EPI_ISL_7733617|A_/_H5N1|2021-11-04
PB2|A/turkey/Italy/21VIR8585-1/2021|EPI_ISL_5524384|A_/_H5N1|2021-10-18
PB2|A/mute_swan/Czech_Republic/785/2022|EPI_ISL_9603943|A_/_H5N1|2022-01-10
PB2|A/duck/Czech_Republic/913/2022|EPI_ISL_12140437|A_/_H5N1|2022-01-12
PB2|A/goose/Czech_Republic/913/2022|EPI_ISL_12150657|A_/_H5N1|2022-01-12
PB2|A/chicken/Czech_Republic/913/2022|EPI_ISL_12150658|A_/_H5N1|2022-01-12
PB2|A/mute_swan/Czech_Republic/785/2022|EPI_ISL_12139999|A_/_H5N1|2022-01-10
PB2|A/chicken/Italy/21VIR10573-1/2021|EPI_ISL_8882169|A_/_H5N1|2021-12-03
PB2|A/stork/Spain/234-2_22VIR2142-7/2022|EPI_ISL_11259317|A_/_H5N1|2022-01-17
PB2|A/chicken/Czech_Republic/22224-3K/2021|EPI_ISL_7224454|A_/_H5N1|2021-11-12
PB2|A/chicken/Czech_Republic/22224-2T/2021|EPI_ISL_7224437|A_/_H5N1|2021-11-12
PB2|A/chicken/Czech_Republic/22224-3T/2021|EPI_ISL_7224463|A_/_H5N1|2021-11-12
PB2|A/chicken/Czech_Republic/22224-4T/2021|EPI_ISL_7224472|A_/_H5N1|2021-11-12
PB2|A/chicken/Czech_Republic/23589-3/2021|EPI_ISL_7626532|A_/_H5N1|2021-11-29
PB2|A/chicken/Czech_Republic/23589-4/2021|EPI_ISL_7626533|A_/_H5N1|2021-11-29
PB2|A/chicken/Czech_Republic/23589-1T/2021|EPI_ISL_7626526|A_/_H5N1|2021-11-29
PB2|A/duck/Czech_Republic/23589-1T/2021|EPI_ISL_7626514|A_/_H5N1|2021-11-29
PB2|A/little_owl/Italy/21VIR11382-1/2021|EPI_ISL_8882209|A_/_H5N1|2021-12-13
PB2|A/turkey/Italy/21VIR11804-1/2021|EPI_ISL_8882167|A_/_H5N1|2021-12-27
PB2|A/turkey/England/055251/2021|EPI_ISL_8814146|A_/_H5N1|2021-11-06
PB2|A/laying_hen/Romania/11343_22VIR4106-1/2022|EPI_ISL_12754531|A_/_H5N1|2022-03-18
PB2|A/laying_hen/Romania/11562_22VIR4106-4/2022|EPI_ISL_12754534|A_/_H5N1|2022-03-26
PB2|A/swan/Romania/10394_22VIR2749-3/2022|EPI_ISL_11922817|A_/_H5N1|2022-02-03
PB2|A/swan/Romania/10678_22VIR2749-7/2022|EPI_ISL_11922821|A_/_H5N1|2022-02-23
PB2|A/Eurasian_teal/Germany-BY/AI05977/2021|EPI_ISL_7753367|A_/_H5N1|2021-10-21
PB2|A/chicken/Netherlands/21038165-006010/2021|EPI_ISL_6101848|A_/_H5N1|2021-11-07
PB2|A/Withe-tiled_eagle/Estonia/TA2124126-1_21VIR10433-11/2021|EPI_ISL_7778754|A_/_H5N1|2021-10-12
PB2|A/turkey/England/016515/2022|EPI_ISL_11561592|A_/_H5N1|2022-02-20
PB2|A/chicken/Czech_Republic/63/2022|EPI_ISL_11327090|A_/_H5N1|2022-01-03
PB2|A/swan/Slovenia/13_22VIR777-8/2022|EPI_ISL_11007535|A_/_H5N1|2022-01-03
PB2|A/chicken/Poland/H157_22VIR2515-3/2022|EPI_ISL_11922809|A_/_H5N1|2022-02-18
PB2|A/domestic_duck/Poland/H1942-N/2021|EPI_ISL_6934175|A_/_H5N1|2021-11-07
PB2|A/swan/Romania/10656_22VIR2749-6/2022|EPI_ISL_11922820|A_/_H5N1|2022-02-22
PB2|A/turkey/England/057679/2021|EPI_ISL_9029957|A_/_H5N1|2021-11-16
PB2|A/seagull/Italy/21VIR11259-10/2021|EPI_ISL_8882213|A_/_H5N1|2021-12-15
PB2|A/greylag_goose/Germany-SH/AI06144/2021|EPI_ISL_7753406|A_/_H5N1|2021-10-25
PB2|A/Wild_goose/Italy/21VIR10193/2021|EPI_ISL_7733611|A_/_H5N1|2021-11-23
PB2|A/Whooper_swan/Scotland/056219/2021|EPI_ISL_9029962|A_/_H5N1|2021-11-09
PB2|A/mute_swan/Ireland/033169_22VIR1325-14/2021|EPI_ISL_11259264|A_/_H5N1|2021-11-15
PB2|A/buzzard/Ireland/000656_22VIR1325-12/2022|EPI_ISL_11259263|A_/_H5N1|2022-01-07
PB2|A/magpie/Ireland/032958_22VIR1325-5/2021|EPI_ISL_11259278|A_/_H5N1|2021-11-12
PB2|A/whooper_swan/Ireland/032960_22VIR1325-4/2021|EPI_ISL_11259277|A_/_H5N1|2021-11-12
PB2|A/red_knot/Netherlands/22000409-002/2022|EPI_ISL_9616212|A_/_H5N1|2022-01-06
PB2|A/peregrine_falcon/Ireland/000191_22VIR1325-15/2022|EPI_ISL_11259265|A_/_H5N1|2022-01-05
PB2|A/pigeon/Germany-NW/AI00951/2022|EPI_ISL_10261376|A_/_H5N1|2022-01-24
PB2|A/mute_swan/Czech_Republic/21312/2021|EPI_ISL_6328409|A_/_H5N1|2021-11-01
PB2|A/swan/France/21P012384/2021|EPI_ISL_6590766|A_/_H5N1|2021-11-08
PB2|A/crow/Ireland/035624_22VIR1325-11/2021|EPI_ISL_11259262|A_/_H5N1|2021-12-08
PB2|A/lesser_white-fronted_goose/Germany-MV/AI05973/2021|EPI_ISL_7753309|A_/_H5N1|2021-10-20
PB2|A/greylag_goose/Ireland/032969_22VIR1325-6/2021|EPI_ISL_11259279|A_/_H5N1|2021-11-15
PB2|A/white_stork/Germany-MV/AI05979/2021|EPI_ISL_7753329|A_/_H5N1|2021-10-20
PB2|A/broiler/Ireland/033734_22VIR1325-20/2021|EPI_ISL_11259271|A_/_H5N1|2021-11-22
PB2|A/white-tailed_eagle/Ireland/032034_22VIR1325-23/2021|EPI_ISL_11259274|A_/_H5N1|2021-11-03
PB2|A/long-eared_owl/Germany-NI/AI09037/2021|EPI_ISL_10347326|A_/_H5N1|2021-12-28
PB2|A/goose/Ireland/3869_22VIR2064-2/2022|EPI_ISL_11259284|A_/_H5N1|2022-02-14
PB2|A/Greylag_goose/England/054503/2021|EPI_ISL_9029965|A_/_H5N1|2021-10-30
PB2|A/greylag_goose/Ireland/033062_22VIR1325-7/2021|EPI_ISL_11259280|A_/_H5N1|2021-11-15
PB2|A/turkey/Germany-MV/AI06035/2021|EPI_ISL_7753290|A_/_H5N1|2021-10-20
PB2|A/buzzard/Germany-BB/AI01212/2022|EPI_ISL_10497306|A_/_H5N1|2022-02-11
PB2|A/layer/Ireland/033424_22VIR1325-21/2021|EPI_ISL_11259272|A_/_H5N1|2021-11-29
PB2|A/turkey/Ireland/033674_22VIR1325-19/2021|EPI_ISL_11259269|A_/_H5N1|2021-11-19
PB2|A/Caspian_gull/Netherlands/1/2022|EPI_ISL_9261749|A_/_H5N1|2022-01-14
PB2|A/turkey/England/056764/2021|EPI_ISL_8814195|A_/_H5N1|2021-11-10
PB2|A/barnacle_goose/Germany-SH/AI06145/2021|EPI_ISL_7753407|A_/_H5N1|2021-10-25
PB2|A/chicken/Denmark/24357-11/2021-11-02|EPI_ISL_11798570|A_/_H5N1|2021-11-02
PB2|A/turkey/Denmark/24325-25/2021-10-30|EPI_ISL_11798580|A_/_H5N1|2021-10-30
PB2|A/Eurasian_wigeon/Germany-SH/AI05950/2021|EPI_ISL_7748188|A_/_H5N1|2021-10-14
PB2|A/Great_black-backed_gull/1/2022|EPI_ISL_9261742|A_/_H5N1|2022-01-06
PB2|A/black-headed_gull/England/388256/2022|EPI_ISL_11561593|A_/_H5N1|2022-02-03
PB2|A/Great_cormorant/Luxembourg/21243185/2021|EPI_ISL_13026237|A_/_H5N1|2021-12-14
PB2|A/mute_swan/Ireland/037311_22VIR1325-13/2021|EPI_ISL_11260218|A_/_H5N1|2021-12-22
PB2|A/chicken/England/000187/2022|EPI_ISL_11406401|A_/_H5N1|2022-01-03
PB2|A/red_knot/Germany-SH/AI01010/2022|EPI_ISL_10497305|A_/_H5N1|2022-01-25
PB2|A/chicken/England/002070/2022|EPI_ISL_11406398|A_/_H5N1|2022-01-06
PB2|A/chicken/England/057314/2021|EPI_ISL_9029956|A_/_H5N1|2021-11-14
PB2|A/Sanderling/Netherlands/1/2022|EPI_ISL_10993196|A_/_H5N1|2022-01-29
PB2|A/black-headed_gull/England/306270/2022|EPI_ISL_11406403|A_/_H5N1|2022-01-31
PB2|A/duck/Ireland/036105_22VIR1325-22/2021|EPI_ISL_11259273|A_/_H5N1|2021-12-11
PB2|A/duck/Ireland/036646_22VIR1325-18/2021|EPI_ISL_11259268|A_/_H5N1|2021-12-17
PB2|A/turkey/England/004737/2022|EPI_ISL_11406399|A_/_H5N1|2022-01-12
PB2|A/mute_swan/Ireland/032363_22VIR1325-1/2021|EPI_ISL_11259270|A_/_H5N1|2021-11-08
PB2|A/white-tailed_eagle/Germany-MV/AI05975/2021|EPI_ISL_7753272|A_/_H5N1|2021-10-20
PB2|A/herring_gull/Ireland/033533_22VIR1325-10/2021|EPI_ISL_11259261|A_/_H5N1|2021-11-17
PB2|A/turkey/Ireland/035425_22VIR1325-17/2021|EPI_ISL_11259267|A_/_H5N1|2021-12-06
PB2|A/swan/Poland/MB083_22VIR2515-8/2022|EPI_ISL_11922814|A_/_H5N1|2022-02-17
PB2|A/mute_swan/Czech_Republic/2755/2022|EPI_ISL_12150661|A_/_H5N1|2022-01-29
PB2|A/mute_swan/Czech_Republic/25702-2/2021|EPI_ISL_9603927|A_/_H5N1|2021-12-20
PB2|A/mute_swan/Czech_Republic/22477-2/2021|EPI_ISL_9603918|A_/_H5N1|2021-11-12
PB2|A/mute_swan/Czech_Republic/22477-1/2021|EPI_ISL_9603916|A_/_H5N1|2021-11-12
PB2|A/mute_swan/Czech_Republic/22684/2021|EPI_ISL_9603922|A_/_H5N1|2021-11-15
PB2|A/swan/Romania/10324_22VIR2749-2/2022|EPI_ISL_11922816|A_/_H5N1|2022-02-01
PB2|A/pheasant/Czech_Republic/25827-1/2021|EPI_ISL_9603931|A_/_H5N1|2021-12-25
PB2|A/pheasant/Czech_Republic/25827-2/2021|EPI_ISL_9603937|A_/_H5N1|2021-12-25
PB2|A/pheasant/Czech_Republic/25827-3/2021|EPI_ISL_9603939|A_/_H5N1|2021-12-25
PB2|A/chicken/Czech_Republic/23404-2K/2021|EPI_ISL_7626484|A_/_H5N1|2021-11-25
PB2|A/chicken/Czech_Republic/23404/2021|EPI_ISL_8515480|A_/_H5N1|2021-11-25
PB2|A/chicken/Czech_Republic/23404-2T/2021|EPI_ISL_7626512|A_/_H5N1|2021-11-25
PB2|A/chicken/Czech_Republic/23404-4K/2021|EPI_ISL_7626506|A_/_H5N1|2021-11-25
PB2|A/chicken/Czech_Republic/23404-4T/2021|EPI_ISL_7626513|A_/_H5N1|2021-11-25
0.02

PB1|A/chicken/Scotland/1959|EPI_ISL_70098|A_/_H5N1|1959-01-04
PB1|A/Goose/Guangdong/1/96|EPI_ISL_1254|A_/_H5N1|1996-01-01
PB1|A/goose/Czech_Republic/20689-27T/2021|EPI_ISL_6511912|A_/_H5N1|2021-10-22
PB1|A/goose/Czech_Republic/20689-28T/2021|EPI_ISL_6512576|A_/_H5N1|2021-10-22
PB1|A/egret/France/21P013418/2021|EPI_ISL_8377254|A_/_H5N1|2021-12-03
PB1|A/hen/Bulgaria/854-1_22VIR778-10/2021|EPI_ISL_11007537|A_/_H5N1|2021-12-29
PB1|A/Cygnus_olor/Romania/16381_21VIR10306/2021|EPI_ISL_8440175|A_/_H5N1|2021-11-11
PB1|A/duck/Bulgaria/756-4_22VIR778-6/2021|EPI_ISL_11007540|A_/_H5N1|2021-12-01
PB1|A/hen/Bulgaria/757-6_22VIR778-7/2021|EPI_ISL_11007541|A_/_H5N1|2021-12-02
PB1|A/turkey/Bulgaria/755-1_22VIR778-4/2021|EPI_ISL_11007539|A_/_H5N1|2021-11-30
PB1|A/hen/Bulgaria/722-1_22VIR778-1/2021|EPI_ISL_11007538|A_/_H5N1|2021-11-15
PB1|A/partridge/Bulgaria/745_22VIR778-3/2021|EPI_ISL_11007722|A_/_H5N1|2021-11-23
PB1|A/chicken/Czech_Republic/2968/2022|EPI_ISL_13955171|A_/_H5N1|2022-02-04
PB1|A/chicken/Czech_Republic/8028-1/2022|EPI_ISL_13955204|A_/_H5N1|2022-04-13
PB1|A/chicken/Czech_Republic/8028-2/2022|EPI_ISL_13967740|A_/_H5N1|2022-04-13
PB1|A/chicken/Italy/IZSLT-122448_21VIR9218-1/2021|EPI_ISL_7733644|A_/_H5N1|2021-10-28
PB1|A/cignus_olor/Italy/IZSLT_21VIR10529-1/2021|EPI_ISL_8882212|A_/_H5N1|2021-12-01
PB1|A/goose/Italy/IZSLT-21VIR10273/2021|EPI_ISL_7733645|A_/_H5N1|2021-11-22
PB1|A/eurasian_curlew/Netherlands/20016890-001/2020|EPI_ISL_632316|A_/_H5N1|2020-11-01
PB1|A/swan/Romania/10455_22VIR2749-4/2022|EPI_ISL_11922818|A_/_H5N1|2022-02-09
PB1|A/mallard/Novosibirsk_region/962k/2018|EPI_ISL_337402|A_/_H12N5|2018-09-29
PB1|A/shoveler/Novosibirsk_region/999k/2018|EPI_ISL_337571|A_/_H12N5|2018-10-01
PB1|A/Common_Teal/Chany_Lake/40/2019|EPI_ISL_400270|A_/_H12N5|2019-09-07
PB1|A/mute_swan/Czech_Republic/22380/2021|EPI_ISL_9603920|A_/_H5N1|2021-11-15
PB1|A/chicken/Czech_Republic/25690/2021|EPI_ISL_9603929|A_/_H5N1|2021-12-22
PB1|A/turkey/Italy/21VIR10251/2021|EPI_ISL_7733628|A_/_H5N1|2021-11-25
PB1|A/chicken/Italy/21VIR10352/2021|EPI_ISL_7733641|A_/_H5N1|2021-11-26
PB1|A/turkey/Italy/21VIR11053-1/2021|EPI_ISL_8882187|A_/_H5N1|2021-12-13
PB1|A/turkey/Italy/21VIR11803-1/2021|EPI_ISL_8882201|A_/_H5N1|2021-12-27
PB1|A/Turkey/Hungary/16603/2021__H5N1_|EPI_ISL_3135897|A_/_H5N1|2021-04-13
PB1|A/white_stork/Poland/MB391/2021|EPI_ISL_2681045|A_/_H5N1|2021-04-20
PB1|A/pheasant/Scotland/000348/2021|EPI_ISL_1123361|A_/_H5N1|2021-02-10
PB1|A/greylag_goose/Netherlands/20019685-002/2020|EPI_ISL_711059|A_/_H5N1|2020-12-08
PB1|A/eurasian_teal/Netherlands/20016896-013/2020|EPI_ISL_632315|A_/_H5N1|2020-11-02
PB1|A/Eurasian_wigeon/Italy/20VIR7301-206/2020|EPI_ISL_683592|A_/_H5N1|2020-11-21
PB1|A/greater_white-fronted_goose/Italy/20VIR8073-4/2020|EPI_ISL_956412|A_/_H5N1|2020-11-23
PB1|A/common_buzzard/Netherlands/21021396-002/2021|EPI_ISL_1048240|A_/_H5N1|2021-01-09
PB1|A/common_buzzard/Netherlands/21022834-002/2021|EPI_ISL_1224989|A_/_H5N1|2021-02-01
PB1|A/swan/Netherlands/20017605-002/2020|EPI_ISL_1139101|A_/_H5N1|2020-11-09
PB1|A/swan/Netherlands/20017772-002/2020|EPI_ISL_1139102|A_/_H5N1|2020-11-10
PB1|A/greylag_goose/Netherlands/20016582-004/2020|EPI_ISL_632314|A_/_H5N1|2020-10-28
PB1|A/barnacle_goose/Netherlands/21028196-002/2021|EPI_ISL_2194036|A_/_H5N1|2021-04-22
PB1|A/western_marsh_harrier/Netherlands/21028606-002/2021|EPI_ISL_2227279|A_/_H5N1|2021-05-07
PB1|A/barnacle_goose/Netherlands/21021591-001/2021|EPI_ISL_1048241|A_/_H5N1|2021-01-14
PB1|A/barnacle_goose/Netherlands/21024066-001/2021|EPI_ISL_2172528|A_/_H5N1|2021-02-22
PB1|A/oystercatcher/Germany-NI/AI05047/2021|EPI_ISL_5145744|A_/_H5N1|2021-07-17
PB1|A/barnacle_goose/Sweden/SVA210511SZ0567/FB001840/M-2021|EPI_ISL_3005950|A_/_H5N1|2021-05-11
PB1|A/gull/Estonia/TA2113284-4_21VIR7512-8/2021|EPI_ISL_7778756|A_/_H5N1|2021-06-02
PB1|A/barnacle_goose/Netherlands/21022611-001/2021|EPI_ISL_1224946|A_/_H5N1|2021-01-31
PB1|A/barnacle/goose_Denmark/19027-1.02/2021-04-18|EPI_ISL_11798566|A_/_H5N1|2021-04-18
PB1|A/chicken/Germany-NI/AI01599/2021|EPI_ISL_5099451|A_/_H5N1|2021-02-23
PB1|A/barnacle_goose/Germany-NI/AI01605/2021|EPI_ISL_5099456|A_/_H5N1|2021-02-17
PB1|A/chicken/Netherlands/20019879-001005/2020|EPI_ISL_711055|A_/_H5N1|2020-12-14
PB1|A/European_herring_gull/Denmark/19968-1.02/2021-05-14|EPI_ISL_11798575|A_/_H5N1|2021-05-14
PB1|A/buzzard/Germany-NI/AI04429/2021|EPI_ISL_5146696|A_/_H5N1|2021-04-28
PB1|A/common_murre/Netherlands/21025491-002/2021|EPI_ISL_2174084|A_/_H5N1|2021-03-17
PB1|A/barnacle_goose/Finland//6378_21VIR7689-7/2021|EPI_ISL_7778774|A_/_H5N1|2021-05-01
PB1|A/barnacle_goose/Finland/6247_21VIR7689-6/2021|EPI_ISL_7778773|A_/_H5N1|2021-05-01
PB1|A/duck/Czech_Republic/18520-2/2021|EPI_ISL_5323347|A_/_H5N1|2021-09-27
PB1|A/goose/Czech_Republic/18520-1/2021|EPI_ISL_5323346|A_/_H5N1|2021-09-27
PB1|A/bean_goose/Sweden/SVA211111SZ0372/FB004482/2021|EPI_ISL_7049600|A_/_H5N1|2021-11-05
PB1|A/chicken/Poland/H1940-N/2021|EPI_ISL_6931288|A_/_H5N1|2021-11-05
PB1|A/domestic_goose/Poland/H1931-T1/2021|EPI_ISL_6931008|A_/_H5N1|2021-11-03
PB1|A/swan/Romania/10986_22VIR2749-8/2022|EPI_ISL_11922822|A_/_H5N1|2022-03-07
PB1|A/chicken/Czech_Republic/61-1/2022|EPI_ISL_11327088|A_/_H5N1|2021-12-31
PB1|A/chicken/Czech_Republic/61-2/2022|EPI_ISL_11327089|A_/_H5N1|2021-12-31
PB1|A/mute_swan/Czech_Republic/785/2022|EPI_ISL_9603943|A_/_H5N1|2022-01-10
PB1|A/stork/Spain/234-2_22VIR2142-7/2022|EPI_ISL_11259317|A_/_H5N1|2022-01-17
PB1|A/swan/Spain/4087-1_22VIR2142-1/2021|EPI_ISL_11259292|A_/_H5N1|2021-12-22
PB1|A/goose/Czech_Republic/22608-1/2021|EPI_ISL_8515478|A_/_H5N1|2021-11-18
PB1|A/goose/Czech_Republic/22608-2/2021|EPI_ISL_8515479|A_/_H5N1|2021-11-18
PB1|A/chicken/Czech_Republic/22224-3T/2021|EPI_ISL_7224463|A_/_H5N1|2021-11-12
PB1|A/goose/Czech_Republic/22608-3T/2021|EPI_ISL_9603901|A_/_H5N1|2021-11-18
PB1|A/goose/Czech_Republic/22750/2021|EPI_ISL_9603924|A_/_H5N1|2021-11-19
PB1|A/chicken/Czech_Republic/22224-2T/2021|EPI_ISL_7224437|A_/_H5N1|2021-11-12
PB1|A/duck/Czech_Republic/913/2022|EPI_ISL_12140437|A_/_H5N1|2022-01-12
PB1|A/mute_swan/Czech_Republic/785/2022|EPI_ISL_12139999|A_/_H5N1|2022-01-10
PB1|A/chicken/Czech_Republic/913/2022|EPI_ISL_12150658|A_/_H5N1|2022-01-12
PB1|A/goose/Czech_Republic/913/2022|EPI_ISL_12150657|A_/_H5N1|2022-01-12
PB1|A/chicken/Czech_Republic/23589-1T/2021|EPI_ISL_7626526|A_/_H5N1|2021-11-29
PB1|A/goose/Czech_Republic/22608-2T/2021|EPI_ISL_9603819|A_/_H5N1|2021-11-18
PB1|A/chicken/Czech_Republic/23589-3/2021|EPI_ISL_7626532|A_/_H5N1|2021-11-29
PB1|A/duck/Czech_Republic/23589-1T/2021|EPI_ISL_7626514|A_/_H5N1|2021-11-29
PB1|A/chicken/Czech_Republic/23589-4/2021|EPI_ISL_7626533|A_/_H5N1|2021-11-29
PB1|A/chicken/Czech_Republic/22224-3K/2021|EPI_ISL_7224454|A_/_H5N1|2021-11-12
PB1|A/chicken/Czech_Republic/22224-4T/2021|EPI_ISL_7224472|A_/_H5N1|2021-11-12
PB1|A/goose/Czech_Republic/22608-1T/2021|EPI_ISL_9603795|A_/_H5N1|2021-11-18
PB1|A/goose/Czech_Republic/23458-1K/2021|EPI_ISL_9603780|A_/_H5N1|2021-11-26
PB1|A/goose/Czech_Republic/23458-2T/2021|EPI_ISL_9603767|A_/_H5N1|2021-11-26
PB1|A/goose/Czech_Republic/23458-4T/2021|EPI_ISL_9603775|A_/_H5N1|2021-11-26
PB1|A/goose/Czech_Republic/23458-5T/2021|EPI_ISL_9603769|A_/_H5N1|2021-11-26
PB1|A/goose/Czech_Republic/25322-179/2021|EPI_ISL_12150664|A_/_H5N1|2021-12-18
PB1|A/goose/Czech_Republic/25322-205/2021|EPI_ISL_12150666|A_/_H5N1|2021-12-18
PB1|A/goose/Czech_Republic/25322-229/2021|EPI_ISL_12325995|A_/_H5N1|2021-12-18
PB1|A/greylag_goose/Germany-SH/AI06144/2021|EPI_ISL_7753406|A_/_H5N1|2021-10-25
PB1|A/Wild_goose/Italy/21VIR10193/2021|EPI_ISL_7733611|A_/_H5N1|2021-11-23
PB1|A/goose/France/21P014207/2021|EPI_ISL_9377021|A_/_H5N1|2021-12-23
PB1|A/turkey/England/057679/2021|EPI_ISL_9029957|A_/_H5N1|2021-11-16
PB1|A/greylag_goose/Netherlands/21037809-001/2021|EPI_ISL_6761000|A_/_H5N1|2021-10-31
PB1|A/duck/Poland/H188_22VIR2515-2/2022|EPI_ISL_11922808|A_/_H5N1|2022-03-02
PB1|A/swan/Poland/MB078_22VIR2515-7/2022|EPI_ISL_11922813|A_/_H5N1|2022-02-10
PB1|A/grey_heron/Czech_Republic/23608-1K/2021|EPI_ISL_8515482|A_/_H5N1|2021-11-28
PB1|A/grey_heron/Czech_Republic/25338-1/2021|EPI_ISL_12223688|A_/_H5N1|2021-12-18
PB1|A/grey_heron/Czech_Republic/25338-2/2021|EPI_ISL_12223734|A_/_H5N1|2021-12-18
PB1|A/great_egret/Czech_Republic/23609/2021|EPI_ISL_8515483|A_/_H5N1|2021-11-28
PB1|A/grey_heron/Czech_Republic/23608/2021|EPI_ISL_8515481|A_/_H5N1|2021-11-28
PB1|A/swan/Romania/10656_22VIR2749-6/2022|EPI_ISL_11922820|A_/_H5N1|2022-02-22
PB1|A/greylag_goose_/Sweden/SVA211118SZ0354/FB004497/I-2021|EPI_ISL_7055384|A_/_H5N1|2021-11-17
PB1|A/Withe-tiled_eagle/Estonia/TA2124126-1_21VIR10433-11/2021|EPI_ISL_7778754|A_/_H5N1|2021-10-12
PB1|A/chicken/Netherlands/21038165-006010/2021|EPI_ISL_6101848|A_/_H5N1|2021-11-07
PB1|A/turkey/England/016515/2022|EPI_ISL_11561592|A_/_H5N1|2022-02-20
PB1|A/chicken/Czech_Republic/63/2022|EPI_ISL_11327090|A_/_H5N1|2022-01-03
PB1|A/swan/Slovenia/13_22VIR777-8/2022|EPI_ISL_11007535|A_/_H5N1|2022-01-03
PB1|A/chicken/Poland/H157_22VIR2515-3/2022|EPI_ISL_11922809|A_/_H5N1|2022-02-18
PB1|A/domestic_duck/Poland/H1942-N/2021|EPI_ISL_6934175|A_/_H5N1|2021-11-07
PB1|A/mute_swan/Czech_Republic/21312/2021|EPI_ISL_6328409|A_/_H5N1|2021-11-01
PB1|A/swan/France/21P012384/2021|EPI_ISL_6590766|A_/_H5N1|2021-11-08
PB1|A/swan/Poland/MB083_22VIR2515-8/2022|EPI_ISL_11922814|A_/_H5N1|2022-02-17
PB1|A/Anser_albifrons/Belgium/15465_0010/2021|EPI_ISL_9160206|A_/_H5N1|2021-11-21
PB1|A/chicken/Netherlands/21038675-001005/2021|EPI_ISL_6328036|A_/_H5N1|2021-11-14
PB1|A/swan/Netherlands/21037791-001/2021|EPI_ISL_6328009|A_/_H5N1|2021-11-01
PB1|A/waterfowl/Netherlands/21037914-006/2021|EPI_ISL_6375134|A_/_H5N1|2021-11-02
PB1|A/domestic_duck/England/058612/2021|EPI_ISL_9029959|A_/_H5N1|2021-11-18
PB1|A/Barnacle_goose/Netherlands/6/2022|EPI_ISL_9261751|A_/_H5N1|2022-01-14
PB1|A/Grey_heron/Netherlands/1/2022|EPI_ISL_9261748|A_/_H5N1|2022-01-14
PB1|A/Greylag_Goose/Netherlands/1/2022|EPI_ISL_11112362|A_/_H5N1|2022-02-02
PB1|A/Mallard/Netherlands/6/2021|EPI_ISL_10993105|A_/_H5N1|2021-11-29
PB1|A/swan/Romania/10324_22VIR2749-2/2022|EPI_ISL_11922816|A_/_H5N1|2022-02-01
PB1|A/chicken/Czech_Republic/3306-2/2022|EPI_ISL_12325210|A_/_H5N1|2022-02-09
PB1|A/duck/Czech_Republic/3306-1/2022|EPI_ISL_12324302|A_/_H5N1|2022-02-09
PB1|A/chicken/Czech_Republic/23404/2021|EPI_ISL_8515480|A_/_H5N1|2021-11-25
PB1|A/chicken/Czech_Republic/23404-2T/2021|EPI_ISL_7626512|A_/_H5N1|2021-11-25
PB1|A/chicken/Czech_Republic/23404-4K/2021|EPI_ISL_7626506|A_/_H5N1|2021-11-25
PB1|A/chicken/Czech_Republic/23404-2K/2021|EPI_ISL_7626484|A_/_H5N1|2021-11-25
PB1|A/chicken/Czech_Republic/23404-4T/2021|EPI_ISL_7626513|A_/_H5N1|2021-11-25
PB1|A/mute_swan/Czech_Republic/22477-2/2021|EPI_ISL_9603918|A_/_H5N1|2021-11-12
PB1|A/mute_swan/Czech_Republic/22684/2021|EPI_ISL_9603922|A_/_H5N1|2021-11-15
PB1|A/mute_swan/Czech_Republic/22477-1/2021|EPI_ISL_9603916|A_/_H5N1|2021-11-12
PB1|A/mute_swan/Czech_Republic/25702-2/2021|EPI_ISL_9603927|A_/_H5N1|2021-12-20
PB1|A/mute_swan/Czech_Republic/2755/2022|EPI_ISL_12150661|A_/_H5N1|2022-01-29
PB1|A/pheasant/Czech_Republic/25827-2/2021|EPI_ISL_9603937|A_/_H5N1|2021-12-25
PB1|A/pheasant/Czech_Republic/25827-1/2021|EPI_ISL_9603931|A_/_H5N1|2021-12-25
PB1|A/pheasant/Czech_Republic/25827-3/2021|EPI_ISL_9603939|A_/_H5N1|2021-12-25
0.02

P/A/chicken/Scotland/1959|EPI_ISL_70098|A_/_H5N1|1959-01-04
P/A/Goose/Guangdong/1/96|EPI_ISL_1254|A_/_H5N1|1996-01-01
P/A/guinea_fowl/Nigeria/OG-GF11T_19VIR8424-7/2019_H5N8|EPI_ISL_405278|A_/_H5N8|2019-07-05
P/A/Great_black-backed_Gull/Netherlands/3/2022|EPI_ISL_11560325|A_/_H5N1|2022-03-15
P/A/chicken/Iraq/1/2020|EPI_ISL_623074|A_/_H5N8|2020-05-12
P/A/Anas_platyrhynchos/Belgium/204_0003/2020|EPI_ISL_7622863|A_/_H4N6|2020-09-19
P/A/shoveler/Novosibirsk_region/998k/2018|EPI_ISL_338361|A_/_H2N1|2018-10-01
P/A/chicken/Czech_Republic/3306-2/2022|EPI_ISL_12325210|A_/_H5N1|2022-02-09
P/A/duck/Czech_Republic/3306-1/2022|EPI_ISL_12324302|A_/_H5N1|2022-02-09
P/A/duck/Poland/H188_22VIR2515-2/2022|EPI_ISL_11922808|A_/_H5N1|2022-03-02
P/A/swan/Poland/MB078_22VIR2515-7/2022|EPI_ISL_11922813|A_/_H5N1|2022-02-10
P/A/grey_heron/Czech_Republic/25338-2/2021|EPI_ISL_12223734|A_/_H5N1|2021-12-18
P/A/great_egret/Czech_Republic/23609/2021|EPI_ISL_8515483|A_/_H5N1|2021-11-28
P/A/grey_heron/Czech_Republic/23608/2021|EPI_ISL_8515481|A_/_H5N1|2021-11-28
P/A/grey_heron/Czech_Republic/23608-1K/2021|EPI_ISL_8515482|A_/_H5N1|2021-11-28
P/A/grey_heron/Czech_Republic/25338-1/2021|EPI_ISL_12223688|A_/_H5N1|2021-12-18
P/A/eurasian_curlew/Netherlands/20016890-001/2020|EPI_ISL_632316|A_/_H5N1|2020-11-01
P/A/mallard/Italy/21VIR6957-6/2021|EPI_ISL_7987333|A_/_H5N1|2021-08-20
P/A/goose/Czech_Republic/20689-27T/2021|EPI_ISL_6511912|A_/_H5N1|2021-10-22
P/A/goose/Czech_Republic/20689-28T/2021|EPI_ISL_6512576|A_/_H5N1|2021-10-22
P/A/swan/Romania/10455_22VIR2749-4/2022|EPI_ISL_11922818|A_/_H5N1|2022-02-09
P/A/Mallard/Netherlands/14/2021|EPI_ISL_9012578|A_/_H5N1|2021-12-27
P/A/chicken/Czech_Republic/25690/2021|EPI_ISL_9603929|A_/_H5N1|2021-12-22
P/A/mute_swan/Czech_Republic/22380/2021|EPI_ISL_9603920|A_/_H5N1|2021-11-15
P/A/turkey/Italy/21VIR10251/2021|EPI_ISL_7733628|A_/_H5N1|2021-11-25
P/A/turkey/Italy/21VIR11803-1/2021|EPI_ISL_8882201|A_/_H5N1|2021-12-27
P/A/chicken/Italy/21VIR10352/2021|EPI_ISL_7733641|A_/_H5N1|2021-11-26
P/A/turkey/Italy/21VIR11053-1/2021|EPI_ISL_8882187|A_/_H5N1|2021-12-13
P/A/swan/Romania/10986_22VIR2749-8/2022|EPI_ISL_11922822|A_/_H5N1|2022-03-07
P/A/egret/France/21P013418/2021|EPI_ISL_8377254|A_/_H5N1|2021-12-03
P/A/chicken/Czech_Republic/2968/2022|EPI_ISL_13955171|A_/_H5N1|2022-02-04
P/A/chicken/Czech_Republic/8028-1/2022|EPI_ISL_13955204|A_/_H5N1|2022-04-13
P/A/chicken/Czech_Republic/8028-2/2022|EPI_ISL_13967740|A_/_H5N1|2022-04-13
P/A/chicken/Italy/21VIR10389/2021|EPI_ISL_7733599|A_/_H5N1|2021-11-30
P/A/magpie/Italy/21VIR11656/2021|EPI_ISL_8882211|A_/_H5N1|2021-12-16
P/A/turkey/Italy/21VIR11591-8/2021|EPI_ISL_8882171|A_/_H5N1|2021-12-23
P/A/barnacle_goose/Netherlands/21021591-001/2021|EPI_ISL_1048241|A_/_H5N1|2021-01-14
P/A/Eurasian_wigeon/Netherlands/4/2020|EPI_ISL_603134|A_/_H5N1|2020-10-16
P/A/greylag_goose/Netherlands/20016582-004/2020|EPI_ISL_632314|A_/_H5N1|2020-10-28
P/A/Eurasian_Wigeon/Netherlands/5/2020|EPI_ISL_603135|A_/_H5N1|2020-10-16
P/A/Eurasian_wigeon/Netherlands/1/2020|EPI_ISL_603133|A_/_H5N1|2020-10-16
P/A/eurasian_teal/Netherlands/20016896-013/2020|EPI_ISL_632315|A_/_H5N1|2020-11-02
P/A/swan/Netherlands/20017605-002/2020|EPI_ISL_1139101|A_/_H5N1|2020-11-09
P/A/swan/Netherlands/20017772-002/2020|EPI_ISL_1139100|A_/_H5N1|2020-11-10
P/A/greylag_goose/Netherlands/20019685-002/2020|EPI_ISL_711059|A_/_H5N1|2020-12-08
P/A/Eurasian_wigeon/Italy/20VIR7301-206/2020|EPI_ISL_683592|A_/_H5N1|2020-11-21
P/A/greater_white-fronted_goose/Italy/20VIR8073-4/2020|EPI_ISL_956412|A_/_H5N1|2020-11-23
P/A/common_buzzard/Netherlands/21021396-002/2021|EPI_ISL_1048240|A_/_H5N1|2021-01-09
P/A/common_buzzard/Netherlands/21022834-002/2021|EPI_ISL_1224989|A_/_H5N1|2021-02-01
P/A/pheasant/Scotland/0003448/2021|EPI_ISL_1123361|A_/_H5N1|2021-02-10
P/A/barnacle_goose/Netherlands/21024066-001/2021|EPI_ISL_2172528|A_/_H5N1|2021-02-22
P/A/barnacle_goose/Netherlands/21022611-001/2021|EPI_ISL_1224946|A_/_H5N1|2021-01-31
P/A/barnacle_goose/Germany-NI/AI03914/2021|EPI_ISL_5145422|A_/_H5N1|2021-04-08
P/A/barnacle_goose/Netherlands/21025769-002/2021|EPI_ISL_2174728|A_/_H5N1|2021-03-22
P/A/barnacle/goose_Denmark/19027-1.02/2021-04-18|EPI_ISL_11798566|A_/_H5N1|2021-04-18
P/A/white-tailed_eagle/Estonia/TA2111864-2_21VIR7512-6/2021|EPI_ISL_7778755|A_/_H5N1|2021-05-16
P/A/chicken/Netherlands/20019879-001005/2020|EPI_ISL_711055|A_/_H5N1|2020-12-14
P/A/barnacle_goose/Denmark/17572-1.01/2021-03-01|EPI_ISL_5449305|A_/_H5N1|2021-03-01
P/A/barnacle_goose/Germany-NI/AI03980/2021|EPI_ISL_5146291|A_/_H5N1|2021-04-14
P/A/European_herring_gull/Denmark/19968-1.02/2021-05-14|EPI_ISL_11798575|A_/_H5N1|2021-05-14
P/A/common_murre/Netherlands/21025491-002/2021|EPI_ISL_2174084|A_/_H5N1|2021-03-17
P/A/barnacle_goose/Finland/6247_21VIR7689-6/2021|EPI_ISL_7778773|A_/_H5N1|2021-05-01
P/A/barnacle_goose/Finland/6378_21VIR7689-7/2021|EPI_ISL_7778774|A_/_H5N1|2021-05-01
P/A/western_jackdaw/Sweden/SVA211111SZO376/FB004483/2021|EPI_ISL_7050532|A_/_H5N1|2021-11-08
P/A/duck/Czech_Republic/18520-2/2021|EPI_ISL_5323347|A_/_H5N1|2021-09-27
P/A/goose/Czech_Republic/18520-1/2021|EPI_ISL_5323346|A_/_H5N1|2021-09-27
P/A/herring_gull/Germany-SH/AI06141/2021|EPI_ISL_7753347|A_/_H5N1|2021-10-21
P/A/greylag_goose_/Sweden/SVA211103SZO398/FB004410/M-2021|EPI_ISL_6599075|A_/_H5N1|2021-11-01
P/A/pelican/France/21P013720/2021|EPI_ISL_8377056|A_/_H5N1|2021-12-15
P/A/Eurasian_eagle-owl/Finland/10617_21VIR7689-15/2021|EPI_ISL_7778768|A_/_H5N1|2021-08-01
P/A/common_pheasant_/Sweden/SVA210923SZO341/KN000365/M-2021-H5N1|EPI_ISL_4651963|A_/_H5N1|2021-09-22
P/A/European_herring_gull/Finland/9722_21VIR7689-13/2021|EPI_ISL_7778766|A_/_H5N1|2021-08-01
P/A/common_pheasant_/Sweden/SVA210923SZO341/KN000366/M-2021|EPI_ISL_4653177|A_/_H5N1|2021-09-22
P/A/black-headed_gull/Germany-NI/AI05962/2021|EPI_ISL_7733048|A_/_H5N1|2021-10-12
P/A/mute_swan/Poland/MB490-L1/2021|EPI_ISL_6937114|A_/_H5N1|2021-11-08
P/A/seagull/Italy/21VIR11259-12/2021|EPI_ISL_8882218|A_/_H5N1|2021-12-15
P/A/Turkey/Hungary/16603/2021__H5N1_|EPI_ISL_3135897|A_/_H5N1|2021-04-13
P/A/white_stork/Poland/MB391/2021|EPI_ISL_2681045|A_/_H5N1|2021-04-20
P/A/Caspian_gull/Netherlands/1/2022|EPI_ISL_9261749|A_/_H5N1|2022-01-14
P/A/chicken/Poland/H1940-N/2021|EPI_ISL_6931288|A_/_H5N1|2021-11-05
P/A/domestic_goose/Poland/H1931-T1/2021|EPI_ISL_6931008|A_/_H5N1|2021-11-03
P/A/chicken/Italy/21VIR9133-20/2021|EPI_ISL_7733617|A_/_H5N1|2021-11-04
P/A/turkey/Italy/21VIR11887-3/2021|EPI_ISL_8882170|A_/_H5N1|2021-12-29
P/A/chicken/Czech_Republic/61-1/2022|EPI_ISL_11327089|A_/_H5N1|2022-12-31
P/A/chicken/Czech_Republic/61-2/2022|EPI_ISL_11327089|A_/_H5N1|2022-12-31
P/A/turkey/Italy/21VIR9649-2/2021|EPI_ISL_7733643|A_/_H5N1|2021-11-15
P/A/kestrel/Italy/21VIR10468/2021|EPI_ISL_7733642|A_/_H5N1|2021-11-30
P/A/turkey/Italy/21VIR8817-1/2021|EPI_ISL_7733648|A_/_H5N1|2021-10-25
P/A/seagull/Italy/21VIR9432-2/2021|EPI_ISL_7733621|A_/_H5N1|2021-11-11
P/A/chicken/Italy/21VIR9765-12/2021|EPI_ISL_7733634|A_/_H5N1|2021-11-17
P/A/mute_swan/Czech_Republic/785/2022|EPI_ISL_9603943|A_/_H5N1|2022-01-10
P/A/chicken/Italy/21VIR10850/2021|EPI_ISL_8882168|A_/_H5N1|2021-12-06
P/A/seagull/Italy/21VIR10481-2/2021|EPI_ISL_8882210|A_/_H5N1|2021-11-29
P/A/chicken/Italy/21VIR10239/2021|EPI_ISL_7733595|A_/_H5N1|2021-11-25
P/A/turkey/Italy/21VIR10340/2021|EPI_ISL_7733597|A_/_H5N1|2021-11-29
P/A/chicken/Italy/21VIR9691-2/2021|EPI_ISL_7733630|A_/_H5N1|2021-11-15
P/A/turkey/Italy/21VIR8585-1/2021|EPI_ISL_5524384|A_/_H5N1|2021-10-18
P/A/chicken/Czech_Republic/22224-4T/2021|EPI_ISL_7224472|A_/_H5N1|2021-11-12
P/A/chicken/Czech_Republic/22224-3K/2021|EPI_ISL_7224454|A_/_H5N1|2021-11-12
P/A/chicken/Czech_Republic/23589-3/2021|EPI_ISL_7626532|A_/_H5N1|2021-11-29
P/A/chicken/Czech_Republic/23589-4/2021|EPI_ISL_7626533|A_/_H5N1|2021-11-29
P/A/duck/Czech_Republic/23589-1T/2021|EPI_ISL_7626514|A_/_H5N1|2021-11-29
P/A/chicken/Czech_Republic/22224-2T/2021|EPI_ISL_7224437|A_/_H5N1|2021-11-12
P/A/chicken/Czech_Republic/22224-3T/2021|EPI_ISL_7224463|A_/_H5N1|2021-11-12
P/A/stork/Spain/234-2_22VIR2142-7/2022|EPI_ISL_11259317|A_/_H5N1|2022-01-17
P/A/swan/Spain/4087-1_22VIR2142-1/2021|EPI_ISL_11259292|A_/_H5N1|2021-12-22
P/A/goose/Czech_Republic/23456-1K/2021|EPI_ISL_9603780|A_/_H5N1|2021-11-26
P/A/goose/Czech_Republic/22750/2021|EPI_ISL_9603924|A_/_H5N1|2021-11-19
P/A/goose/Czech_Republic/22608-1T/2021|EPI_ISL_9603795|A_/_H5N1|2021-11-18
P/A/goose/Czech_Republic/22608-2T/2021|EPI_ISL_9603819|A_/_H5N1|2021-11-18
P/A/goose/Czech_Republic/22608-3T/2021|EPI_ISL_9603901|A_/_H5N1|2021-11-18
P/A/goose/Czech_Republic/22608-1/2021|EPI_ISL_8515478|A_/_H5N1|2021-11-18
P/A/goose/Czech_Republic/22608-2/2021|EPI_ISL_8515479|A_/_H5N1|2021-11-18
P/A/chicken/Czech_Republic/23589-1T/2021|EPI_ISL_7626526|A_/_H5N1|2021-11-29
P/A/chicken/Czech_Republic/913/2022|EPI_ISL_12150658|A_/_H5N1|2022-01-12
P/A/duck/Czech_Republic/913/2022|EPI_ISL_12140437|A_/_H5N1|2022-01-12
P/A/goose/Czech_Republic/913/2022|EPI_ISL_12150657|A_/_H5N1|2022-01-12
P/A/mute_swan/Czech_Republic/785/2022|EPI_ISL_12139699|A_/_H5N1|2022-01-10
P/A/goose/Czech_Republic/23458-4T/2021|EPI_ISL_9603775|A_/_H5N1|2021-11-26
P/A/goose/Czech_Republic/23458-2T/2021|EPI_ISL_9603767|A_/_H5N1|2021-11-26
P/A/goose/Czech_Republic/23458-5T/2021|EPI_ISL_9603769|A_/_H5N1|2021-11-26
P/A/goose/Czech_Republic/25322-229/2021|EPI_ISL_12325995|A_/_H5N1|2021-12-18
P/A/goose/Czech_Republic/25322-179/2021|EPI_ISL_12150664|A_/_H5N1|2021-12-18
P/A/goose/Czech_Republic/25322-205/2021|EPI_ISL_12150666|A_/_H5N1|2021-12-18
P/A/greylag_goose_/Sweden/SVA211118SZ0354/FB004497/I-2021|EPI_ISL_7055384|A_/_H5N1|2021-11-17
P/A/Turkey/Sweden/SVA211212SZ0001/FB301013-IP-2/M-2021|EPI_ISL_8338002|A_/_H5N1|2021-12-12
P/A/Wild_goose/Italy/21VIR10193/2021|EPI_ISL_7733611|A_/_H5N1|2021-11-23
P/A/goose/Tyumen/33-53V/2021|EPI_ISL_5463806|A_/_H5N1|2021-10-07
P/A/chicken/Tyumen/33-45V/2021|EPI_ISL_5463804|A_/_H5N1|2021-10-07
P/A/turkey/England/057679/2021|EPI_ISL_9029957|A_/_H5N1|2021-11-16
P/A/barnacle_goose/Germany-SH/AI06005/2021|EPI_ISL_7753251|A_/_H5N1|2021-10-19
P/A/greylag_goose/Germany-SH/AI06144/2021|EPI_ISL_7753406|A_/_H5N1|2021-10-25
P/A/gray_heron/Denmark/24326-1.02/2021-10-28|EPI_ISL_11798577|A_/_H5N1|2021-10-28
P/A/goose/France/21P014207/2021|EPI_ISL_9377021|A_/_H5N1|2021-12-23
P/A/goose/Tyumen/33-52V/2021|EPI_ISL_5463805|A_/_H5N1|2021-10-07
P/A/greylag_goose/Netherlands/21037809-001/2021|EPI_ISL_6761000|A_/_H5N1|2021-10-31
P/A/swan/Romania/10394_22VIR2749-3/2022|EPI_ISL_11922817|A_/_H5N1|2022-02-03
P/A/swan/Romania/10678_22VIR2749-7/2022|EPI_ISL_11922821|A_/_H5N1|2022-02-23
P/A/Eurasian_teal/Germany-BY/AI05977/2021|EPI_ISL_7753367|A_/_H5N1|2021-10-21
P/A/turkey/England/055251/2021|EPI_ISL_8814146|A_/_H5N1|2021-11-06
P/A/mute_swan/Croatia/100/2021|EPI_ISL_6507374|A_/_H5N1|2021-11-12
P/A/Mallard/Netherlands/13/2021|EPI_ISL_9012577|A_/_H5N1|2021-12-27
P/A/Mallard/Netherlands/15/2021|EPI_ISL_9012580|A_/_H5N1|2021-12-27
P/A/laying_hen/Romania/11343_22VIR4106-1/2022|EPI_ISL_12754531|A_/_H5N1|2022-03-18
P/A/laying_hen/Romania/11562_22VIR4106-4/2022|EPI_ISL_12754534|A_/_H5N1|2022-03-26
P/A/seagull/Italy/21VIR11259-10/2021|EPI_ISL_8882213|A_/_H5N1|2021-12-15
P/A/swan/Romania/10656_22VIR2749-6/2022|EPI_ISL_11922820|A_/_H5N1|2022-02-22
P/A/chicken/Poland/H157_22VIR2515-3/2022|EPI_ISL_11922809|A_/_H5N1|2022-02-18
P/A/swan/Slovenia/13_22VIR777-8/2022|EPI_ISL_11007535|A_/_H5N1|2022-01-03
P/A/chicken/Czech_Republic/830/2022|EPI_ISL_11327090|A_/_H5N1|2022-01-03
P/A/turkey/England/016515/2022|EPI_ISL_11561592|A_/_H5N1|2022-02-20
P/A/chicken/Netherlands/21038165-006010/2021|EPI_ISL_6101848|A_/_H5N1|2021-11-07
P/A/White-tiled_eagle/Estonia/TA2124126-1_21VIR10433-11/2021|EPI_ISL_7778754|A_/_H5N1|2021-10-12
P/A/domestic_duck/Poland/H1942-N/2021|EPI_ISL_6934175|A_/_H5N1|2021-11-07
P/A/swan/France/21P012384/2021|EPI_ISL_6590766|A_/_H5N1|2021-11-08
P/A/swan/Poland/MB083_22VIR2515-8/2022|EPI_ISL_11922814|A_/_H5N1|2022-02-17
P/A/mute_swan/Czech_Republic/21312/2021|EPI_ISL_6328409|A_/_H5N1|2021-11-01
P/A/barnacle_goose/Germany-SH/AI06145/2021|EPI_ISL_7753407|A_/_H5N1|2021-10-25
P/A/turkey/Ireland/035425_22VIR1325-17/2021|EPI_ISL_11259267|A_/_H5N1|2021-12-06
P/A/chicken/England/0001877/2022|EPI_ISL_11406401|A_/_H5N1|2022-01-03
P/A/northern_goshawk/Netherlands/22000305-002/2022|EPI_ISL_9117228|A_/_H5N1|2022-01-04
P/A/turkey/England/004737/2022|EPI_ISL_11406399|A_/_H5N1|2022-01-12
P/A/black-headed_gull/England/306270/2022|EPI_ISL_11406403|A_/_H5N1|2022-01-31
P/A/goose/Ireland/3869_22VIR2064-2/2022|EPI_ISL_11259284|A_/_H5N1|2022-02-14
P/A/mute_swan/Ireland/033169_22VIR1325-14/2021|EPI_ISL_11259264|A_/_H5N1|2021-11-15
P/A/chicken/Denmark/24357-11/2021-11-02|EPI_ISL_11798570|A_/_H5N1|2021-11-02
P/A/turkey/Denmark/24325-25/2021-10-30|EPI_ISL_11798580|A_/_H5N1|2021-10-30
P/A/chicken/England/057314/2021|EPI_ISL_9029956|A_/_H5N1|2021-11-14
P/A/white-tailed_eagle/Ireland/032034_22VIR1325-23/2021|EPI_ISL_11259274|A_/_H5N1|2021-11-03
P/A/barnacle_goose/Denmark/24273-1.02/2021-10-26|EPI_ISL_11798568|A_/_H5N1|2021-10-26
P/A/mute_swan/Ireland/032363_22VIR1325-1/2021|EPI_ISL_11259270|A_/_H5N1|2021-11-08
P/A/common_buzzard/Denmark/24271-1.02/2021-10-25|EPI_ISL_11798571|A_/_H5N1|2021-10-25
P/A/greylag_goose/Ireland/033062_22VIR1325-7/2021|EPI_ISL_11259280|A_/_H5N1|2021-11-15
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P/A/chicken/Czech_Republic/23404/2021|EPI_ISL_8515480|A_/_H5N1|2021-11-25
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P/A/swan/Romania/10324_22VIR2749-2/2022|EPI_ISL_11922816|A_/_H5N1|2022-02-01
P/A/mute_swan/Czech_Republic/2755/2022|EPI_ISL_12150661|A_/_H5N1|2022-01-29
P/A/mute_swan/Czech_Republic/25702-2/2021|EPI_ISL_9603927|A_/_H5N1|2021-12-20
P/A/mute_swan/Czech_Republic/22477-2/2021|EPI_ISL_9603918|A_/_H5N1|2021-11-12
P/A/pheasant/Czech_Republic/25827-3/2021|EPI_ISL_9603939|A_/_H5N1|2021-12-25
P/A/pheasant/Czech_Republic/25827-2/2021|EPI_ISL_9603937|A_/_H5N1|2021-12-25
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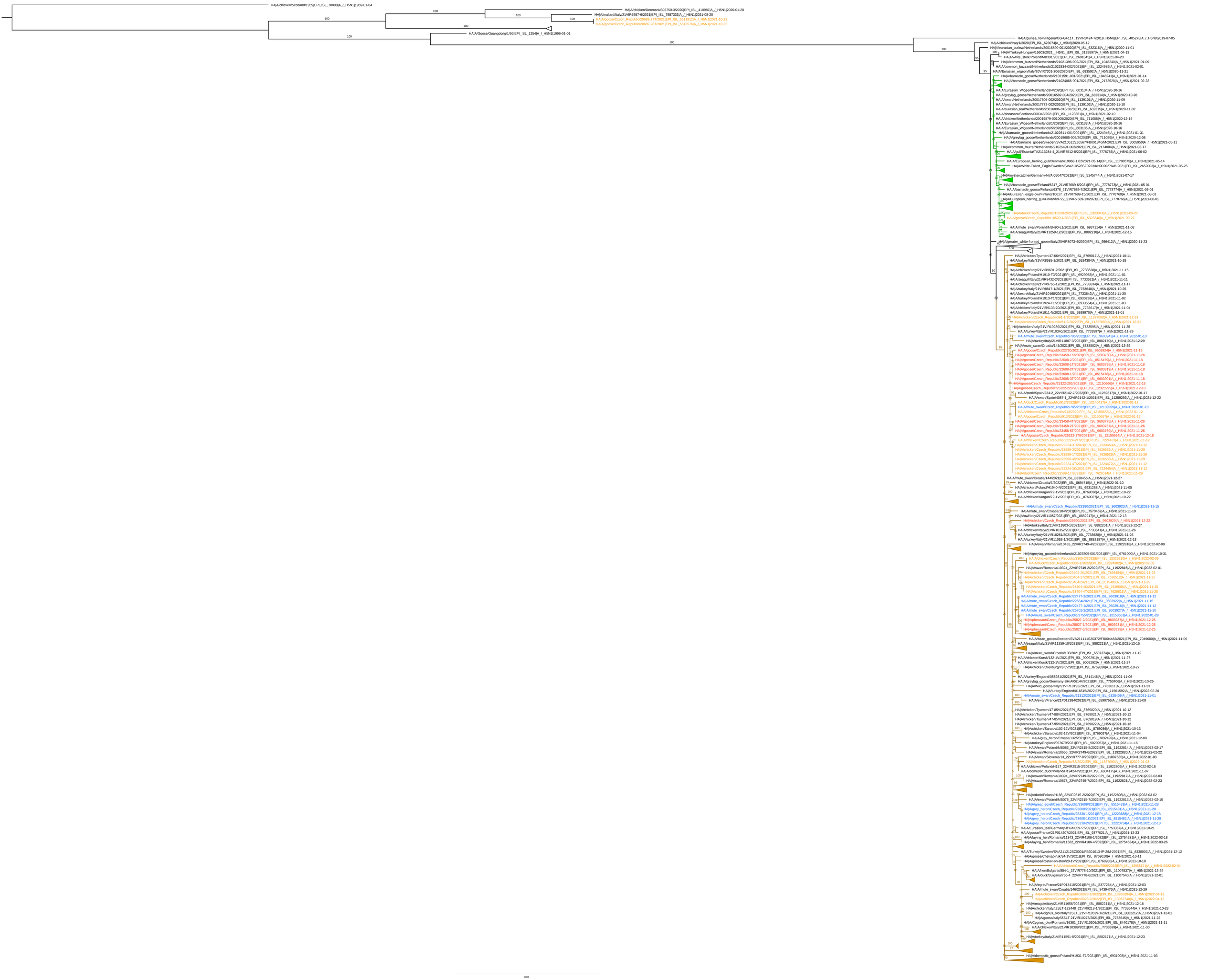
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HA|A/guinea_fowl/Nigeria/OG-GF11T_19VIR4824-7/2019_H5N8|EPI_ISL_405278|A_/_H5N8|2019-07-05
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HA|A/goose/Czech_Republic/18520-1/2021|EPI_ISL_5323346|A_/_H5N1|2021-09-27
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HA|A/chicken/Tyumen/47-66V/2021|EPI_ISL_8769017|A_/_H5N1|2021-10-11
HA|A/turkey/Italy/21VIR8585-1/2021|EPI_ISL_5524384|A_/_H5N1|2021-10-18
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HA|A/turkey/Poland/H1910-T3/2021|EPI_ISL_6929958|A_/_H5N1|2021-11-01
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HA|A/stork/Spain/234-2_22VIR2142-7/2022|EPI_ISL_11259317|A_/_H5N1|2022-01-17
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HA|A/chicken/Czech_Republic/61/2022|EPI_ISL_11070904|A_/_H5N1|2022-01-03
HA|A/chicken/Poland/H157_22VIR2515-3/2022|EPI_ISL_11922809|A_/_H5N1|2022-02-18
HA|A/domestic_duck/Poland/H1942-N/2021|EPI_ISL_6934175|A_/_H5N1|2021-11-07
HA|A/swan/Romania/10394_22VIR2749-3/2022|EPI_ISL_11922817|A_/_H5N1|2022-02-03
HA|A/swan/Romania/10678_22VIR2749-7/2022|EPI_ISL_11922821|A_/_H5N1|2022-02-23
HA|A/duck/Poland/H188_22VIR2515-2/2022|EPI_ISL_11922808|A_/_H5N1|2022-03-02
HA|A/swan/Poland/MB078_22VIR2515-7/2022|EPI_ISL_11922813|A_/_H5N1|2022-02-10
HA|A/great_egret/Czech_Republic/23609/2021|EPI_ISL_8515483|A_/_H5N1|2021-11-28
HA|A/grey_heron/Czech_Republic/23608/2021|EPI_ISL_8515481|A_/_H5N1|2021-11-28
HA|A/grey_heron/Czech_Republic/25338-1/2021|EPI_ISL_12223688|A_/_H5N1|2021-12-18
HA|A/grey_heron/Czech_Republic/23608-1K/2021|EPI_ISL_8515482|A_/_H5N1|2021-11-28
HA|A/grey_heron/Czech_Republic/25338-2/2021|EPI_ISL_12223734|A_/_H5N1|2021-12-18
HA|A/Eurasian_teal/Germany-BY/AI05977/2021|EPI_ISL_7753367|A_/_H5N1|2021-10-21
HA|A/goose/France/21P014207/2021|EPI_ISL_9377021|A_/_H5N1|2021-12-23
HA|A/laying_hen/Romania/11343_22VIR4106-1/2022|EPI_ISL_12754531|A_/_H5N1|2022-03-18
HA|A/laying_hen/Romania/11562_22VIR4106-4/2022|EPI_ISL_12754534|A_/_H5N1|2022-03-26
HA|A/Turkey/Sweden/SVA211212SZ0001/FB301013-IP-2/4-2021|EPI_ISL_8338002|A_/_H5N1|2021-12-12
HA|A/goose/Chelyabinsk/34-1V/2021|EPI_ISL_8769010|A_/_H5N1|2021-10-11
HA|A/goose/Rostov-on-Don/28-1V/2021|EPI_ISL_8768988|A_/_H5N1|2021-10-10
HA|A/chicken/Czech_Republic/2968/2022|EPI_ISL_13955171|A_/_H5N1|2022-02-04
HA|A/hen/Bulgaria/854-1_22VIR778-10/2021|EPI_ISL_11007537|A_/_H5N1|2021-12-29
HA|A/duck/Bulgaria/756-4_22VIR778-6/2021|EPI_ISL_11007540|A_/_H5N1|2021-12-01
HA|A/egret/France/21P013418/2021|EPI_ISL_8377254|A_/_H5N1|2021-12-03
HA|A/mute_swan/Croatia/146/2021|EPI_ISL_8439476|A_/_H5N1|2021-12-29
HA|A/chicken/Czech_Republic/8028-1/2022|EPI_ISL_13962540|A_/_H5N1|2022-04-13
HA|A/chicken/Czech_Republic/8028-2/2022|EPI_ISL_13967740|A_/_H5N1|2022-04-13
HA|A/magpie/Italy/21VIR11656/2021|EPI_ISL_8882211|A_/_H5N1|2021-12-16
HA|A/chicken/Italy/IZSLT-122448_21VIR9218-1/2021|EPI_ISL_7733644|A_/_H5N1|2021-10-28
HA|A/cignus_olor/Italy/IZSLT_21VIR10529-1/2021|EPI_ISL_8882212|A_/_H5N1|2021-12-01
HA|A/goose/Italy/IZSLT-21VIR10273/2021|EPI_ISL_7733645|A_/_H5N1|2021-11-22
HA|A/Cygnus_olor/Romania/16381_21VIR10306/2021|EPI_ISL_8440175|A_/_H5N1|2021-11-11
HA|A/chicken/Italy/21VIR10389/2021|EPI_ISL_7733599|A_/_H5N1|2021-11-30
HA|A/turkey/Italy/21VIR11591-8/2021|EPI_ISL_8882171|A_/_H5N1|2021-12-23
HA|A/domestic_goose/Poland/H1931-T1/2021|EPI_ISL_6931008|A_/_H5N1|2021-11-03
0.03

NP|A/chicken/Scotland/1959|EPI_ISL_70098|A_/_H5N1|1959-01-04
NP|A/Goose/Guangdong/1/96|EPI_ISL_1254|A_/_H5N1|1996-01-01
NP|A/eurasian_curlew/Netherlands/20016890-001/2020|EPI_ISL_632316|A_/_H5N1|2020-11-01
NP|A/guinea_fowl/Nigeria/OG-GF11T_19VIR8424-7/2019_H5N8|EPI_ISL_405278|A_/_H5N8|2019-07-05
NP|A/mallard_duck/Netherlands/14/2014|EPI_ISL_267194|A_/_H2N9|2014-08-27
NP|A/teal/Egypt/MB-D-125OP/2015|EPI_ISL_387969|A_/_H7N3|2015-01-27
NP|A/Anas_platyrhynchos/Belgium/9473/2016|EPI_ISL_502617|A_/_H5N3|2016-10-04
NP|A/Anas_crecca/Belgium/9685/2016|EPI_ISL_399580|A_/_H6N2|2016-10-13
NP|A/Anas_platyrhynchos/Belgium/10402_H195386/2017|EPI_ISL_502736|A_/_H1N1|2017-11-19
NP|A/chicken/Czech_Republic/3306-2/2022|EPI_ISL_12325210|A_/_H5N1|2022-02-09
NP|A/duck/Czech_Republic/3306-1/2022|EPI_ISL_12324302|A_/_H5N1|2022-02-09
NP|A/goose/Czech_Republic/20689-27T/2021|EPI_ISL_6511912|A_/_H5N1|2021-10-22
NP|A/goose/Czech_Republic/20689-28T/2021|EPI_ISL_6512576|A_/_H5N1|2021-10-22
NP|A/teal/Dagestan/44d/2018|EPI_ISL_337413|A_/_H3N8|2018-09-15
NP|A/goose/France/21P014207/2021|EPI_ISL_9377021|A_/_H5N1|2021-12-23
NP|A/Anas_platyrhynchos/Belgium/11027_19/2017|EPI_ISL_502599|A_/_H3N8|2017-10-04
NP|A/Anas_platyrhynchos/Belgium/10399/2018|EPI_ISL_502594|A_/_H4N6|2018-09-29
NP|A/duck/Poland/H188_22VIR2515-2/2022|EPI_ISL_11922808|A_/_H5N1|2022-03-02
NP|A/swan/Poland/MB078_22VIR2515-7/2022|EPI_ISL_11922813|A_/_H5N1|2022-02-10
NP|A/grey_heron/Czech_Republic/23608/2021|EPI_ISL_8515481|A_/_H5N1|2021-11-28
NP|A/great_egret/Czech_Republic/23609/2021|EPI_ISL_8515483|A_/_H5N1|2021-11-28
NP|A/grey_heron/Czech_Republic/23608-1K/2021|EPI_ISL_8515482|A_/_H5N1|2021-11-28
NP|A/grey_heron/Czech_Republic/25338-1/2021|EPI_ISL_12223688|A_/_H5N1|2021-12-18
NP|A/grey_heron/Czech_Republic/25338-2/2021|EPI_ISL_12223734|A_/_H5N1|2021-12-18
NP|A/hen/Bulgaria/757-6_22VIR778-7/2021|EPI_ISL_11007541|A_/_H5N1|2021-12-02
NP|A/Cygnus_olor/Romania/16381_21VIR10306/2021|EPI_ISL_8440175|A_/_H5N1|2021-11-11
NP|A/chicken/Czech_Republic/8028-1/2022|EPI_ISL_13955204|A_/_H5N1|2022-04-13
NP|A/chicken/Czech_Republic/8028-2/2022|EPI_ISL_13967740|A_/_H5N1|2022-04-13
NP|A/hen/Bulgaria/722-1_22VIR778-1/2021|EPI_ISL_11007538|A_/_H5N1|2021-11-15
NP|A/turkey/Bulgaria/755-1_22VIR778-4/2021|EPI_ISL_11007539|A_/_H5N1|2021-11-30
NP|A/chicken/Czech_Republic/2968/2022|EPI_ISL_13955171|A_/_H5N1|2022-02-04
NP|A/partridge/Bulgaria/745_22VIR778-3/2021|EPI_ISL_11007722|A_/_H5N1|2021-11-23
NP|A/duck/Bulgaria/756-4_22VIR778-6/2021|EPI_ISL_11007540|A_/_H5N1|2021-12-01
NP|A/egret/France/21P013418/2021|EPI_ISL_8377254|A_/_H5N1|2021-12-03
NP|A/hen/Bulgaria/854-1_22VIR778-10/2021|EPI_ISL_11007537|A_/_H5N1|2021-12-29
NP|A/teal/Egypt/MB-D-487OP/2016|EPI_ISL_387968|A_/_H7N3|2016-01-28
NP|A/chicken/Iraq/1/2020|EPI_ISL_623074|A_/_H5N8|2020-05-12
NP|A/Common_Teal/Chany_Lake/40/2019|EPI_ISL_400270|A_/_H12N5|2019-09-07
NP|A/chicken/Czech_Republic/25690/2021|EPI_ISL_9603929|A_/_H5N1|2021-12-22
NP|A/mute_swan/Czech_Republic/22380/2021|EPI_ISL_9603920|A_/_H5N1|2021-11-15
NP|A/owl/Italy/21VIR11057/2021|EPI_ISL_8882217|A_/_H5N1|2021-12-13
NP|A/swan/Romania/10986_22VIR2749-8/2022|EPI_ISL_11922822|A_/_H5N1|2022-03-07
NP|A/western_jackdaw/Sweden/SVA211111SZ0376/FB004483/2021|EPI_ISL_7050532|A_/_H5N1|2021-11-08
NP|A/Eurasian_wigeon/Italy/20VIR7301-206/2020|EPI_ISL_683592|A_/_H5N1|2020-11-21
NP|A/barnacle_goose/Netherlands/21021591-001/2021|EPI_ISL_1048241|A_/_H5N1|2021-01-14
NP|A/pheasant/Scotland/000348/2021|EPI_ISL_1123361|A_/_H5N1|2021-02-10
NP|A/Eurasian_Wigeon/Netherlands/4/2020|EPI_ISL_603134|A_/_H5N1|2020-10-16
NP|A/barnacle_goose/Netherlands/21024066-001/2021|EPI_ISL_2172528|A_/_H5N1|2021-02-22
NP|A/greylag_goose/Netherlands/20019685-002/2020|EPI_ISL_711059|A_/_H5N1|2020-12-08
NP|A/barnacle_goose/Netherlands/21022611-001/2021|EPI_ISL_1224946|A_/_H5N1|2021-01-31
NP|A/Eurasian_Wigeon/Netherlands/5/2020|EPI_ISL_603135|A_/_H5N1|2020-10-16
NP|A/swan/Netherlands/20017772-002/2020|EPI_ISL_1139102|A_/_H5N1|2020-11-10
NP|A/swan/Netherlands/20017605-002/2020|EPI_ISL_1139101|A_/_H5N1|2020-11-09
NP|A/Eurasian_Wigeon/Netherlands/1/2020|EPI_ISL_603133|A_/_H5N1|2020-10-16
NP|A/greylag_goose/Netherlands/20016582-004/2020|EPI_ISL_632314|A_/_H5N1|2020-10-28
NP|A/barnacle/goose_Denmark/19027-1.02/2021-04-18|EPI_ISL_11798566|A_/_H5N1|2021-04-18
NP|A/greater_white-fronted_goose/Italy/20VIR8073-4/2020|EPI_ISL_956412|A_/_H5N1|2020-11-23
NP|A/common_buzzard/Netherlands/21021396-002/2021|EPI_ISL_1048240|A_/_H5N1|2021-01-09
NP|A/common_buzzard/Netherlands/21022834-002/2021|EPI_ISL_1224989|A_/_H5N1|2021-02-01
NP|A/eurasian_teal/Netherlands/20016896-013/2020|EPI_ISL_632315|A_/_H5N1|2020-11-02
NP|A/European_herring_gull/Denmark/19968-1.02/2021-05-14|EPI_ISL_11798575|A_/_H5N1|2021-05-14
NP|A/chicken/Netherlands/20019879-001005/2020|EPI_ISL_711055|A_/_H5N1|2020-12-14
NP|A/White-Tailed_Eagle/Sweden/SVA210528SZ0223/KN002027/AB-2021|EPI_ISL_2652003|A_/_H5N1|2021-05-25
NP|A/gull/Estonia/TA2113284-4_21VIR7512-8/2021|EPI_ISL_7778756|A_/_H5N1|2021-06-02
NP|A/barnacle_goose/Sweden/SVA210511SZ0567/FB001840/M-2021|EPI_ISL_3005950|A_/_H5N1|2021-05-11
NP|A/oystercatcher/Germany-NI/AI05047/2021|EPI_ISL_5145744|A_/_H5N1|2021-07-17
NP|A/common_murre/Netherlands/21025491-002/2021|EPI_ISL_2174084|A_/_H5N1|2021-03-17
NP|A/common_buzzard/Sweden/SVA211111SZ0376/FB004484/2021|EPI_ISL_7053000|A_/_H5N1|2021-11-09
NP|A/common_pheasant_/Sweden/SVA211104SZ0320/FB004418/M-2021|EPI_ISL_6600745|A_/_H5N1|2021-10-29
NP|A/great_black-backed_gull/Sweden/SVA211109SZ0434/FB004445/M-2021|EPI_ISL_6600943|A_/_H5N1|2021-11-09
NP|A/barnacle_goose/Denmark/24342-1.02/2021-10-30|EPI_ISL_11798569|A_/_H5N1|2021-10-30
NP|A/common_buzzard_/Sweden/SVA211104SZ0320/FB004419/M-2021|EPI_ISL_6600769|A_/_H5N1|2021-10-29
NP|A/common_pheasant_/Sweden/SVA211104SZ0320/FB004417/M-2021|EPI_ISL_6599895|A_/_H5N1|2021-10-29
NP|A/barnacle_goose/Sweden/SVA211102SZ0402/FB004395/M-2021|EPI_ISL_6596216|A_/_H5N1|2021-11-02
NP|A/Chicken/Sweden/SVA211130SZ0427/FB290424-IP-1/M-2021|EPI_ISL_7452805|A_/_H5N1|2021-11-30
NP|A/Eurasian_curlew/Germany-SH/AI05960/2021|EPI_ISL_7748001|A_/_H5N1|2021-10-14
NP|A/barnacle_goose/Finland//6378_21VIR7689-7/2021|EPI_ISL_7778774|A_/_H5N1|2021-05-01
NP|A/Eurasian_wigeon/Germany-SH/AI05948/2021|EPI_ISL_5403566|A_/_H5N1|2021-10-14
NP|A/barnacle_goose/Finland/6247_21VIR7689-6/2021|EPI_ISL_7778773|A_/_H5N1|2021-05-01
NP|A/duck/Czech_Republic/18520-2/2021|EPI_ISL_5323347|A_/_H5N1|2021-09-27
NP|A/goose/Czech_Republic/18520-1/2021|EPI_ISL_5323346|A_/_H5N1|2021-09-27
NP|A/Turkey/Hungary/16603/2021__H5N1_|EPI_ISL_3135897|A_/_H5N1|2021-04-13
NP|A/domestic_goose/Poland/H1931-T1/2021|EPI_ISL_6931008|A_/_H5N1|2021-11-03
NP|A/turkey/England/055251/2021|EPI_ISL_8814146|A_/_H5N1|2021-11-06
NP|A/chicken/Poland/H1940-N/2021|EPI_ISL_6931288|A_/_H5N1|2021-11-05
NP|A/Wild_goose/Italy/21VIR10193/2021|EPI_ISL_7733611|A_/_H5N1|2021-11-23
NP|A/Eurasian_teal/Germany-BY/AI05977/2021|EPI_ISL_7753367|A_/_H5N1|2021-10-21
NP|A/mute_swan/Croatia/100/2021|EPI_ISL_6507374|A_/_H5N1|2021-11-12
NP|A/swan/Romania/10394_22VIR2749-3/2022|EPI_ISL_11922817|A_/_H5N1|2022-02-03
NP|A/swan/Romania/10678_22VIR2749-7/2022|EPI_ISL_11922821|A_/_H5N1|2022-02-23
NP|A/mute_swan/Czech_Republic/785/2022|EPI_ISL_9603943|A_/_H5N1|2022-01-10
NP|A/chicken/Czech_Republic/22224-3K/2021|EPI_ISL_7224454|A_/_H5N1|2021-11-12
NP|A/chicken/Czech_Republic/23589-3/2021|EPI_ISL_7626532|A_/_H5N1|2021-11-29
NP|A/chicken/Czech_Republic/22224-3T/2021|EPI_ISL_7224463|A_/_H5N1|2021-11-12
NP|A/chicken/Czech_Republic/23589-1T/2021|EPI_ISL_7626526|A_/_H5N1|2021-11-29
NP|A/chicken/Czech_Republic/23589-4/2021|EPI_ISL_7626533|A_/_H5N1|2021-11-29
NP|A/duck/Czech_Republic/23589-1T/2021|EPI_ISL_7626514|A_/_H5N1|2021-11-29
NP|A/chicken/Czech_Republic/22224-2T/2021|EPI_ISL_7224437|A_/_H5N1|2021-11-12
NP|A/chicken/Czech_Republic/22224-4T/2021|EPI_ISL_7224472|A_/_H5N1|2021-11-12
NP|A/chicken/Czech_Republic/61-1/2022|EPI_ISL_11327088|A_/_H5N1|2021-12-31
NP|A/chicken/Czech_Republic/61-2/2022|EPI_ISL_11327089|A_/_H5N1|2021-12-31
NP|A/stork/Spain/234-2_22VIR2142-7/2022|EPI_ISL_11259317|A_/_H5N1|2022-01-17
NP|A/swan/Spain/4087-1_22VIR2142-1/2021|EPI_ISL_11259292|A_/_H5N1|2021-12-22
NP|A/duck/Czech_Republic/913/2022|EPI_ISL_12140437|A_/_H5N1|2022-01-12
NP|A/mute_swan/Czech_Republic/785/2022|EPI_ISL_12139999|A_/_H5N1|2022-01-10
NP|A/chicken/Czech_Republic/913/2022|EPI_ISL_12150658|A_/_H5N1|2022-01-12
NP|A/goose/Czech_Republic/913/2022|EPI_ISL_12150657|A_/_H5N1|2022-01-12
NP|A/goose/Czech_Republic/23458-1K/2021|EPI_ISL_9603780|A_/_H5N1|2021-11-26
NP|A/goose/Czech_Republic/23458-4T/2021|EPI_ISL_9603775|A_/_H5N1|2021-11-26
NP|A/goose/Czech_Republic/25322-229/2021|EPI_ISL_12325995|A_/_H5N1|2021-12-18
NP|A/goose/Czech_Republic/23458-2T/2021|EPI_ISL_9603767|A_/_H5N1|2021-11-26
NP|A/goose/Czech_Republic/25322-205/2021|EPI_ISL_12150666|A_/_H5N1|2021-12-18
NP|A/goose/Czech_Republic/23458-5T/2021|EPI_ISL_9603769|A_/_H5N1|2021-11-26
NP|A/goose/Czech_Republic/25322-179/2021|EPI_ISL_12150664|A_/_H5N1|2021-12-18
NP|A/goose/Czech_Republic/22750/2021|EPI_ISL_9603924|A_/_H5N1|2021-11-19
NP|A/goose/Czech_Republic/22608-1/2021|EPI_ISL_8515478|A_/_H5N1|2021-11-18
NP|A/goose/Czech_Republic/22608-2/2021|EPI_ISL_8515479|A_/_H5N1|2021-11-18
NP|A/goose/Czech_Republic/22608-3T/2021|EPI_ISL_9603901|A_/_H5N1|2021-11-18
NP|A/goose/Czech_Republic/22608-1T/2021|EPI_ISL_9603795|A_/_H5N1|2021-11-18
NP|A/goose/Czech_Republic/22608-2T/2021|EPI_ISL_9603819|A_/_H5N1|2021-11-18
NP|A/greylag_goose_/Sweden/SVA211118SZ0354/FB004497/I-2021|EPI_ISL_7055384|A_/_H5N1|2021-11-17
NP|A/swan/Slovenia/13_22VIR777-8/2022|EPI_ISL_11007535|A_/_H5N1|2022-01-03
NP|A/chicken/Netherlands/21038165-006010/2021|EPI_ISL_6101848|A_/_H5N1|2021-11-07
NP|A/Withe-tiled_eagle/Estonia/TA2124126-1_21VIR10433-11/2021|EPI_ISL_7778754|A_/_H5N1|2021-10-12
NP|A/chicken/Poland/H157_22VIR2515-3/2022|EPI_ISL_11922809|A_/_H5N1|2022-02-18
NP|A/domestic_duck/Poland/H1942-N/2021|EPI_ISL_6934175|A_/_H5N1|2021-11-07
NP|A/chicken/Czech_Republic/63/2022|EPI_ISL_11327090|A_/_H5N1|2022-01-03
NP|A/swan/Romania/10656_22VIR2749-6/2022|EPI_ISL_11922820|A_/_H5N1|2022-02-22
NP|A/greylag_goose/Netherlands/21037809-001/2021|EPI_ISL_6761000|A_/_H5N1|2021-10-31
NP|A/Anser_albifrons/Belgium/15465_0010/2021|EPI_ISL_9160206|A_/_H5N1|2021-11-21
NP|A/greylag_goose/Germany-SH/AI06144/2021|EPI_ISL_7753406|A_/_H5N1|2021-10-25
NP|A/mute_swan/Czech_Republic/21312/2021|EPI_ISL_6328409|A_/_H5N1|2021-11-01
NP|A/swan/France/21P012384/2021|EPI_ISL_6590766|A_/_H5N1|2021-11-08
NP|A/seagull/Italy/21VIR11259-10/2021|EPI_ISL_8882213|A_/_H5N1|2021-12-15
NP|A/mute_swan/Czech_Republic/25702-2/2021|EPI_ISL_9603927|A_/_H5N1|2021-12-20
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NP|A/chicken/Czech_Republic/23404-2K/2021|EPI_ISL_7626484|A_/_H5N1|2021-11-25
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NP|A/swan/Romania/10324_22VIR2749-2/2022|EPI_ISL_11922816|A_/_H5N1|2022-02-01
NP|A/mute_swan/Czech_Republic/22477-1/2021|EPI_ISL_9603916|A_/_H5N1|2021-11-12
NP|A/mute_swan/Czech_Republic/22477-2/2021|EPI_ISL_9603918|A_/_H5N1|2021-11-12
NP|A/mute_swan/Czech_Republic/22684/2021|EPI_ISL_9603922|A_/_H5N1|2021-11-15
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NP|A/pheasant/Czech_Republic/25827-2/2021|EPI_ISL_9603937|A_/_H5N1|2021-12-25
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NP|A/pheasant/Czech_Republic/25827-3/2021|EPI_ISL_9603939|A_/_H5N1|2021-12-25
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NA|A/Goose/Guangdong/1/96|EPI_ISL_1254|A_/_H5N1|1996-01-01
NA|A/mallard/Italy/21VIR6957-6/2021|EPI_ISL_7987333|A_/_H5N1|2021-08-20
NA|A/eurasian_curlew/Netherlands/20016890-001/2020|EPI_ISL_632316|A_/_H5N1|2020-11-01
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NA|A/goose/Czech_Republic/20689-27T/2021|EPI_ISL_6511912|A_/_H5N1|2021-10-22
NA|A/goose/Czech_Republic/20689-28T/2021|EPI_ISL_6512576|A_/_H5N1|2021-10-22
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NA|A/Eurasian_Wigeon/Netherlands/5/2020|EPI_ISL_603135|A_/_H5N1|2020-10-16
NA|A/swan/Netherlands/20017605-002/2020|EPI_ISL_1139101|A_/_H5N1|2020-11-09
NA|A/greylag_goose/Netherlands/20016582-004/2020|EPI_ISL_632314|A_/_H5N1|2020-10-28
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NA|A/barnacle_goose/Netherlands/21021591-001/2021|EPI_ISL_1048241|A_/_H5N1|2021-01-14
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NA|A/barnacle_goose/Germany-NI/AI03980/2021|EPI_ISL_5146291|A_/_H5N1|2021-04-14
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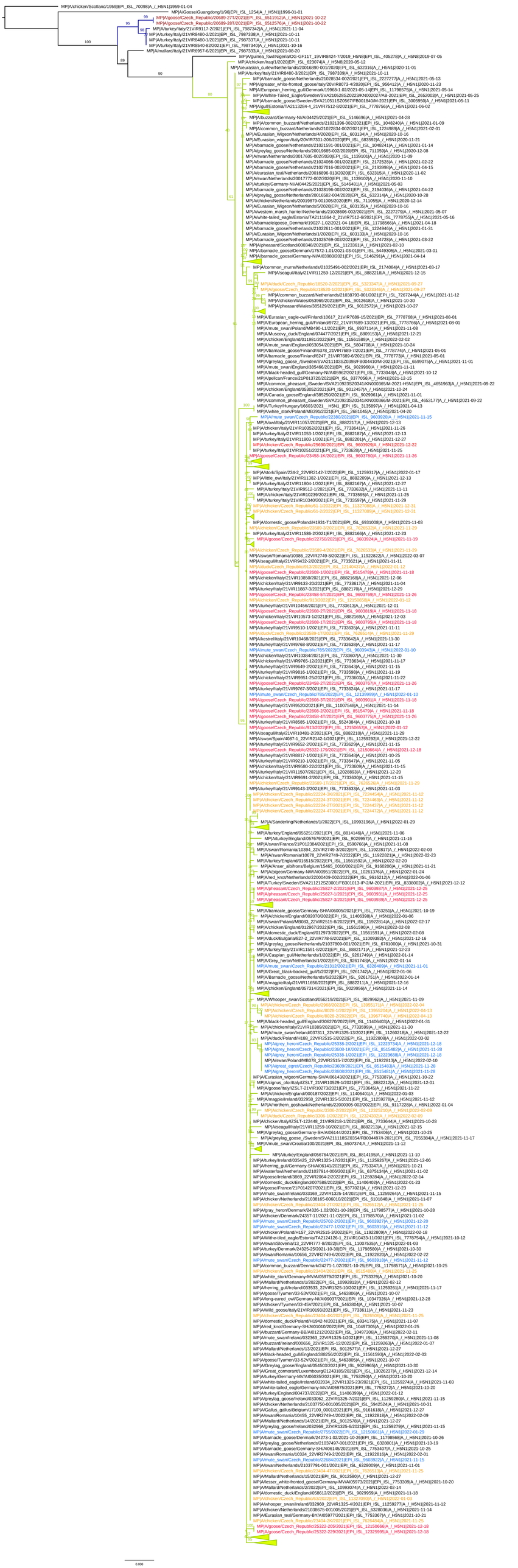
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MPA/guinea_fowl/Nigeria/OG-GF11T_19VIR8424-7/2019_H5N8[EPI_ISL_405278]A_/_H5N8)2019-07-05
MPA/chicken/Iraq/1/2020[EPI_ISL_623074]A_/_H5N8)2020-05-12
MPA/Eurasian_curlew/Netherlands/20016890-001/2020[EPI_ISL_632316]A_/_H5N1)2020-11-01
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MPA/European_herring_gull/Denmark/19968-1.02/2021-05-14[EPI_ISL_11798575]A_/_H5N1)2021-05-14
MPA/White-Tailed_Eagle/Sweden/SVA210528S20223/KN002027/AB-2021[EPI_ISL_2652003]A_/_H5N1)2021-05-25
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MPA/common_buzzard/Netherlands/21022834-002/2021[EPI_ISL_1224989]A_/_H5N1)2021-02-01
MPA/Eurasian_Wigeon/Netherlands/42020[EPI_ISL_603134]A_/_H5N1)2020-10-16
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MPA/barnacle_goose/Netherlands/21021591-001/2021[EPI_ISL_1048241]A_/_H5N1)2021-01-14
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MPA/swan/Netherlands/20017605-002/2020[EPI_ISL_1139101]A_/_H5N1)2020-11-09
MPA/barnacle_goose/Netherlands/21024066-001/2021[EPI_ISL_2172528]A_/_H5N1)2021-02-22
MPA/barnacle_goose/Netherlands/21027016-002/2021[EPI_ISL_2193998]A_/_H5N1)2021-04-15
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MPA/common_buzzard/Netherlands/21038793-001/2021[EPI_ISL_7267244]A_/_H5N1)2021-11-12
MPA/chicken/Wales/053969/2021[EPI_ISL_9012618]A_/_H5N1)2021-10-30
MPA/pheasant/Wales/385129/2021[EPI_ISL_9012572]A_/_H5N1)2021-10-27
MPA/Eurasian_eagle-owl/Finland/10617_21VIR7689-15/2021[EPI_ISL_7778768]A_/_H5N1)2021-08-01
MPA/European_herring_gull/Finland/9722_21VIR7689-13/2021[EPI_ISL_7778766]A_/_H5N1)2021-08-01
MPA/mute_swan/Poland/MB490-L1/2021[EPI_ISL_6937114]A_/_H5N1)2021-11-08
MPA/Muscovy_duck/England/0744777/2021[EPI_ISL_8809153]A_/_H5N1)2021-12-21
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MPA/barnacle_goose/Finland/6247_21VIR7689-6/2021[EPI_ISL_7778773]A_/_H5N1)2021-05-01
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MPA/pelican/France/21P013720/2021[EPI_ISL_8377056]A_/_H5N1)2021-12-15
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MPA/chicken/England/053052/2021[EPI_ISL_9012457]A_/_H5N1)2021-10-24
MPA/Canada_goose/England/385250/2021[EPI_ISL_9029961]A_/_H5N1)2021-11-01
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MPA/white_stork/Poland/MB391/2021[EPI_ISL_2681045]A_/_H5N1)2021-04-20
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MPA/chicken/Italy/21VIR10352/2021[EPI_ISL_7733641]A_/_H5N1)2021-11-26
MPA/turkey/Italy/21VIR11053-1/2021[EPI_ISL_8882187]A_/_H5N1)2021-12-13
MPA/turkey/Italy/21VIR11803-1/2021[EPI_ISL_8882201]A_/_H5N1)2021-12-27
MPA/chicken/Czech_Republic/25690/2021[EPI_ISL_9603929]A_/_H5N1)2021-12-22
MPA/turkey/Italy/21VIR10251/2021[EPI_ISL_7733628]A_/_H5N1)2021-11-25
MPA/goose/Czech_Republic/23458-1K/2021[EPI_ISL_9603780]A_/_H5N1)2021-11-26
MPA/stork/Spain/234-2_21VIR2142-7/2022[EPI_ISL_11259317]A_/_H5N1)2022-01-17
MPA/little_owl/Italy/21VIR11382-1/2021[EPI_ISL_8882209]A_/_H5N1)2021-12-13
MPA/turkey/Italy/21VIR11804-1/2021[EPI_ISL_8882167]A_/_H5N1)2021-12-27
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MPA/turkey/Italy/21VIR10340/2021[EPI_ISL_7733597]A_/_H5N1)2021-11-29
MPA/chicken/Czech_Republic/61-1/2022[EPI_ISL_11327088]A_/_H5N1)2021-12-31
MPA/chicken/Czech_Republic/61-2/2022[EPI_ISL_11327089]A_/_H5N1)2021-12-31
MPA/domestic_goose/Poland/H1931-T1/2021[EPI_ISL_6931008]A_/_H5N1)2021-11-03
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MPA/chicken/Czech_Republic/23589-4/2021[EPI_ISL_7626533]A_/_H5N1)2021-11-29
MPA/swan/Romania/10986_22VIR2749-8/2022[EPI_ISL_11922822]A_/_H5N1)2022-03-07
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MPA/chicken/Italy/21VIR10573-1/2021[EPI_ISL_8882169]A_/_H5N1)2021-12-03
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MPA/turkey/Italy/21VIR9510-1/2021[EPI_ISL_7733635]A_/_H5N1)2021-11-11
MPA/duck/Czech_Republic/23280-1T/2021[EPI_ISL_7626014]A_/_H5N1)2021-11-29
MPA/kestrel/Italy/21VIR10468/2021[EPI_ISL_7733642]A_/_H5N1)2021-11-30
MPA/turkey/Italy/21VIR9768-8/2021[EPI_ISL_7733638]A_/_H5N1)2021-11-17
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MPA/chicken/Italy/21VIR9765-12/2021[EPI_ISL_7733634]A_/_H5N1)2021-11-17
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MPA/turkey/Italy/21VIR9816-1/2021[EPI_ISL_7733598]A_/_H5N1)2021-11-19
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MPA/goose/Czech_Republic/23458-4T/2021[EPI_ISL_9603775]A_/_H5N1)2021-11-26
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MPA/seagull/Italy/21VIR10481-2/2021[EPI_ISL_8882210]A_/_H5N1)2021-11-29
MPA/swan/Spain/4087-1_22VIR2142-1/2021[EPI_ISL_11259203]A_/_H5N1)2022-12-22
MPA/turkey/Italy/21VIR9652-2/2021[EPI_ISL_7733629]A_/_H5N1)2021-11-15
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MPA/swan/Romania/10394_22VIR2749-3/2022[EPI_ISL_11922817]A_/_H5N1)2022-02-03
MPA/swan/Romania/10678_22VIR2749-7/2022[EPI_ISL_11922821]A_/_H5N1)2022-02-23
MPA/turkey/England/016515/2022[EPI_ISL_11561592]A_/_H5N1)2022-02-20
MPA/Anser_albifrons/Belgium/15465_00100/2021[EPI_ISL_9160206]A_/_H5N1)2021-11-21
MPA/pigeon/Germany-NW/AI00951/2022[EPI_ISL_10261376]A_/_H5N1)2022-01-24
MPA/red_knot/Germany-SH/AI00409-002/2022[EPI_ISL_9631202]A_/_H5N1)2022-03-06
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MPA/pheasant/Czech_Republic/25827-3/2021[EPI_ISL_9603939]A_/_H5N1)2021-12-25
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MPA/domestic_duck/England/012973/2022[EPI_ISL_11561591]A_/_H5N1)2022-02-08
MPA/duck/Bulgaria/827-2_22VIR778-8/2021[EPI_ISL_11009382]A_/_H5N1)2021-12-16
MPA/greylag_goose/Netherlands/21037809-001/2021[EPI_ISL_6761004]A_/_H5N1)2021-10-31
MPA/turkey/Italy/21VIR11591-8/2021[EPI_ISL_8882171]A_/_H5N1)2021-12-23
MPA/Caspian_gull/Netherlands/1/2022[EPI_ISL_9261749]A_/_H5N1)2022-01-14
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MPA/Great_black-backed_gull/1/2022[EPI_ISL_9261742]A_/_H5N1)2022-01-06
MPA/Barnacle_goose/Netherlands/5/2022[EPI_ISL_9261751]A_/_H5N1)2022-01-14
MPA/Anaggire/Italy/21VIR11656/2021[EPI_ISL_8882211]A_/_H5N1)2021-12-16
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MPA/chicken/Czech_Republic/8028-1/2022[EPI_ISL_13955204]A_/_H5N1)2022-04-13
MPA/chicken/Czech_Republic/8028-2/2022[EPI_ISL_13967740]A_/_H5N1)2022-04-13
MPA/black-headed_gull/England/3062702/2022[EPI_ISL_11406405]A_/_H5N1)2022-01-31
MPA/chicken/Italy/21VIR10389/2021[EPI_ISL_7733599]A_/_H5N1)2021-11-30
MPA/mute_swan/Ireland/037311_22VIR1325-13/2021[EPI_ISL_11260218]A_/_H5N1)2021-12-22
MPA/duck/Poland/H188_22VIR2515-2/2022[EPI_ISL_11922809]A_/_H5N1)2022-03-02
MPA/grey_heron/Czech_Republic/25338-2/2021[EPI_ISL_12223734]A_/_H5N1)2021-12-18
MPA/grey_heron/Czech_Republic/23608-1K/2021[EPI_ISL_8515482]A_/_H5N1)2021-11-28
MPA/grey_heron/Czech_Republic/25338-1/2021[EPI_ISL_12223688]A_/_H5N1)2021-12-18
MPA/swan/Poland/MB078_22VIR2515-7/2022[EPI_ISL_11922813]A_/_H5N1)2022-02-10
MPA/great_egret/Czech_Republic/23609/2021[EPI_ISL_8515483]A_/_H5N1)2021-11-28
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NS/A/duck/Poland/H188_22VIR2515-2/2022|EPI_ISL_11922808/A_/_H5N1|2022-03-02
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NS/A/great_egret/Czech_Republic/23609/2021|EPI_ISL_8514583/A_/_H5N1|2021-11-28
NS/A/grey_heron/Czech_Republic/23608/2021|EPI_ISL_8514581/A_/_H5N1|2021-11-28
NS/A/Goose/Guangdong/1/96|EPI_ISL_ 1254/A_/_H5N1|1996-01-01
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NS/A/duck/Bulgaria/756-4_22VIR778-6/2021|EPI_ISL_ 11007540/A_/_H5N1|2021-12-01
NS/A/hen/Bulgaria/722-1_22VIR778-1/2021|EPI_ISL_ 11007538/A_/_H5N1|2021-11-15
NS/A/laying_hen/Moldova/68-2_22VIR638-2/2022|EPI_ISL_ 11007721/A_/_H5N1|2022-01-03
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NS/A/egret/France/21P013418/2021|EPI_ISL_8377254/A_/_H5N1|2021-12-03
NS/A/hen/Bulgaria/757-6_22VIR778-7/2021|EPI_ISL_ 11007541/A_/_H5N1|2021-12-02
NS/A/turkey/Bulgaria/755-1_22VIR778-4/2021|EPI_ISL_ 11007539/A_/_H5N1|2021-11-30
NS/A/Cygnus_olor/Romania/16381_21VIR10306/2021|EPI_ISL_8440175/A_/_H5N1|2021-11-11
NS/A/pamidge/Bulgaria/745_22VIR778-3/2021|EPI_ISL_ 11007722/A_/_H5N1|2021-11-23
NS/A/cignus_olor/Italy/ISLT_21VIR10529-1/2021|EPI_ISL_ 8882212/A_/_H5N1|2021-12-01
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NS/A/chicken/Iraq/1/2020|EPI_ISL_623074/A_/_H5N8|2020-05-12
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NS/A/goose/Czech_Republic/20689-2T/2021|EPI_ISL_6511912/A_/_H5N1|2021-10-22
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NS/A/oystercatcher/Germany-NI/AI05047/2021|EPI_ISL_5145744/A_/_H5N1|2021-07-17
NS/A/White-Tailed_Eagle/Sweden/SVA210528S20223/KN002027/AB-2021|EPI_ISL_2652003/A_/_H5N1|2021-05-25
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NS/A/European_herring_gull/Denmark/19968-1.02/2021-05-14|EPI_ISL_11798575/A_/_H5N1|2021-05-14
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NS/A/buzzard/Germany-NI/AI04429/2021|EPI_ISL_5146696/A_/_H5N1|2021-04-28
NS/A/barnacle_goose/Germany-NI/AI03980/2021|EPI_ISL_5146291/A_/_H5N1|2021-04-14
NS/A/chicken/Germany-NI/AI01599/2021|EPI_ISL_5099451/A_/_H5N1|2021-02-23
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NS/A/mute_swan/England/234255/2020|EPI_ISL_7668769/A_/_H5N1|2020-12-03
NS/A/greater_white-fronted_goose/Italy/20-VIR8073-4/2020|EPI_ISL_ 9564129/A_/_H5N1|2020-11-23
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NS/A/barnacle_goose/Denmark/15727-1.01/2021-03-01|EPI_ISL_5449305/A_/_H5N1|2021-03-01
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NS/A/Eurasian_wigeon/Italy/20-VIR7301-306/2020|EPI_ISL_ 6836904/A_/_H5N1|2020-11-21
NS/A/chicken/Netherlands/20019879-001005/2020|EPI_ISL_ 7110553/A_/_H5N1|2020-12-14
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NS/A/barnacle_goose/Sweden/SVA210511S2056/FB001840M-2021|EPI_ISL_ 9005950/A_/_H5N1|2021-05-11
NS/A/Eurasian_Wigeon/Netherlands/5/2020|EPI_ISL_ 603135/A_/_H5N1|2020-10-16
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NS/A/barnacle_goose/Finland/6247_21VIR7689-6/2021|EPI_ISL_ 7778773/A_/_H5N1|2021-05-01
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NS/A/barnacle_goose/Finland/6378_21VIR7689-7/2021|EPI_ISL_ 7778774/A_/_H5N1|2021-05-01
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NS/A/peregrine_falcon/Italy/21PI13720/2021|EPI_ISL_ 8377056/A_/_H5N1|2021-12-15
NS/A/greylag_goose_/Sweden/SVA211103S2039I/FB004410M-2021|EPI_ISL_ 6599805/A_/_H5N1|2021-11-01
NS/A/chicken/Wales/053969/2021|EPI_ISL_ 9012618/A_/_H5N1|2021-10-30
NS/A/Eurasian_curlew/Germany-SH/AI05960/2021|EPI_ISL_ 7748801/A_/_H5N1|2021-10-14
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NS/A/European_herring_gull/Finland/9722_21VIR7689-13/2021|EPI_ISL_ 7778766/A_/_H5N1|2021-08-01
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NS/A/goose/Czech_Republic/18520-1/2021|EPI_ISL_ 5323346/A_/_H5N1|2021-09-27
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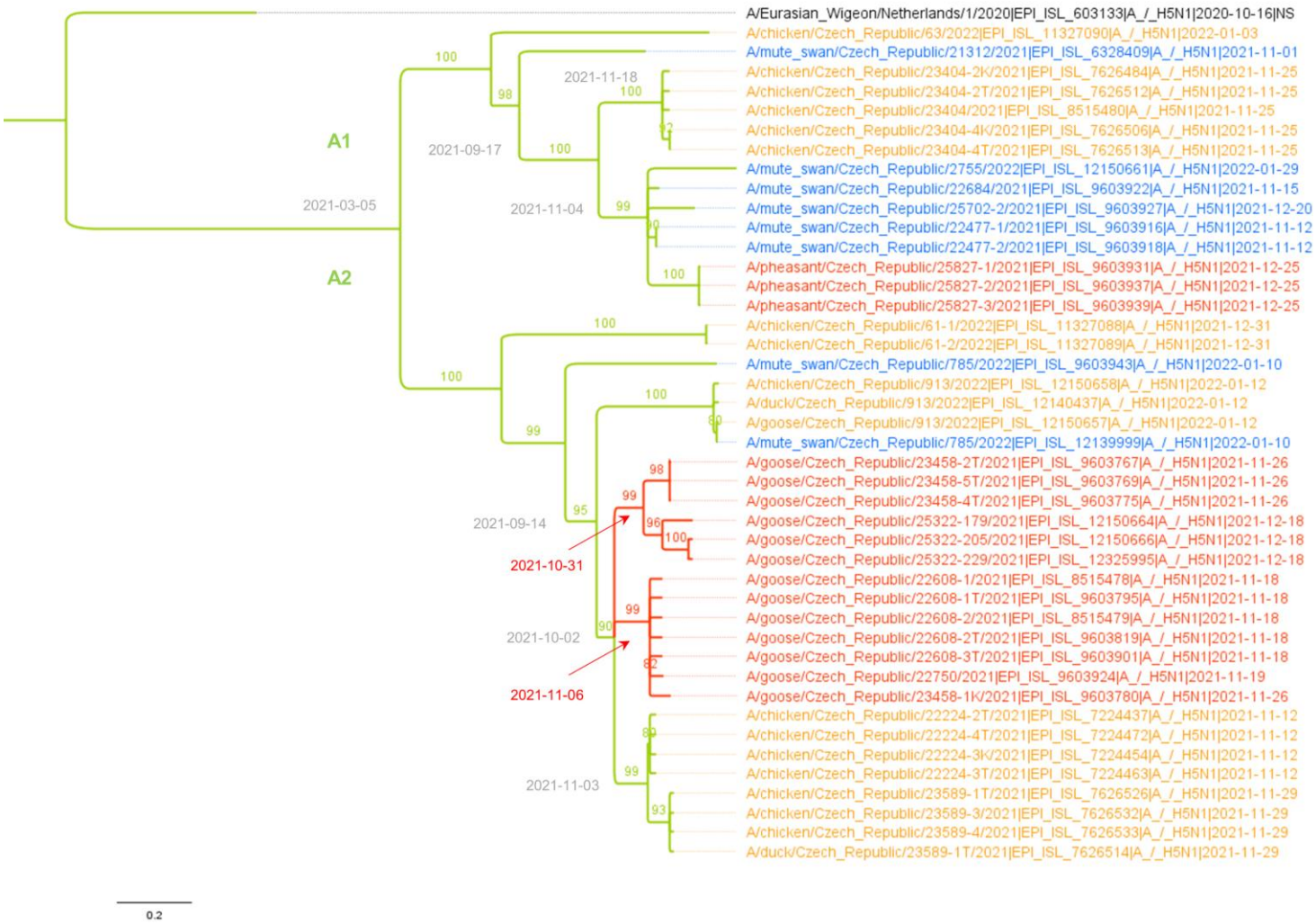
NS/A/common_pheasant_/Sweden/SVA211104S2032I/FB004417M-2021|EPI_ISL_ 6599895/A_/_H5N1|2021-11-02
NS/A/chicken/England/053552/2021|EPI_ISL_ 9012457/A_/_H5N1|2021-10-24
NS/A/common_buzzard/Sweden/SVA211115Z0376/FB004484/2021|EPI_ISL_ 7053000/A_/_H5N1|2021-11-09
NS/A/great_black-backed_gull/Sweden/SVA211109S2043/FB004445/M-2021|EPI_ISL_ 6600943/A_/_H5N1|2021-11-09
NS/A/barnacle_goose/Denmark/24342-1.02/2021-10-30|EPI_ISL_11798569/A_/_H5N1|2021-10-30
NS/A/common_buzzard_/Sweden/SVA211104S2032I/FB004419M-2021|EPI_ISL_ 6600769/A_/_H5N1|2021-10-29
NS/A/seagull/Italy/21VIR11259-1/2021|EPI_ISL_ 8882218/A_/_H5N1|2021-12-15
NS/A/herring_gull/Germany-SH/AI06141/2021|EPI_ISL_ 7753347/A_/_H5N1|2021-10-21
NS/A/mute_swan/England/053054/2021|EPI_ISL_ 9804708/A_/_H5N1|2021-10-24
NS/A/mute_swan/England/3854660/2021|EPI_ISL_ 9029960/A_/_H5N1|2021-11-11
NS/A/barnacle_goose/Sweden/SVA211102S0402/FB004395/M-2021|EPI_ISL_ 6596216/A_/_H5N1|2021-11-02
NS/A/black-headed_gull/Germany-NI/AI05962/2021|EPI_ISL_ 7733048/A_/_H5N1|2021-10-12
NS/A/common_pheasant_/Sweden/SVA211104S2030I/FB004418M-2021|EPI_ISL_ 6600745/A_/_H5N1|2021-10-29
NS/A/pheasant/Wales/385129/2021|EPI_ISL_ 9012572/A_/_H5N1|2021-10-27
NS/A/Canada_goose/England/385250/2021|EPI_ISL_ 9029961/A_/_H5N1|2021-11-01
NS/A/mute_swan/Poland/MB490-1.1/2021|EPI_ISL_ 6937114/A_/_H5N1|2021-11-08
NS/A/pheasant/Scotland/000348/2021|EPI_ISL_ 1123361/A_/_H5N1|2021-02-10
NS/A/greylag_goose/Netherlands/20019605-002/2020|EPI_ISL_ 7110599/A_/_H5N1|2020-12-08
NS/A/barnacle_goose/Germany-NI/AI03914/2021|EPI_ISL_ 5145423/A_/_H5N1|2021-04-08
NS/A/barnacle_goose/Netherlands/21025769-002/2021|EPI_ISL_ 2174728/A_/_H5N1|2021-03-22
NS/A/western_jackdaw/Sweden/SVA211115Z0376/FB004483/2021|EPI_ISL_ 7050532/A_/_H5N1|2021-11-08
NS/A/mute_swan/Czech_Republic/2755/2022|EPI_ISL_12150661/A_/_H5N1|2022-01-29
NS/A/turkey/Italy/21VIR9652-2/2021|EPI_ISL_ 7733629/A_/_H5N1|2021-11-15
NS/A/chicken/Italy/21VIR10573-1/2021|EPI_ISL_ 8882169/A_/_H5N1|2021-12-03
NS/A/turkey/Italy/21VIR9767-3/2021|EPI_ISL_ 7733624/A_/_H5N1|2021-11-17
NS/A/greylag_goose/Netherlands/22005844-002/2022|EPI_ISL_ 12215416/A_/_H5N1|2022-03-23
NS/A/Gallus_gallus/Belgium/16070_003/2021|EPI_ISL_ 7880689/A_/_H5N1|2021-12-07
NS/A/duck/Bulgaria/827-2_22VIR778-8/2021|EPI_ISL_ 11009382/A_/_H5N1|2021-12-16
NS/A/mute_swan/Croatia/101/2021|EPI_ISL_ 7357590/A_/_H5N1|2021-11-12
NS/A/Barnacle_Goose/Netherlands/8/2022|EPI_ISL_ 10347219/A_/_H5N1|2022-01-28
NS/A/Gallus_gallus/Belgium/8092_002/2022|EPI_ISL_ 13514375/A_/_H5N1|2022-06-20
NS/A/mute_swan/Netherlands/21038479-002/2021|EPI_ISL_ 6761020/A_/_H5N1|2021-11-09
NS/A/chicken/England/002070/2022|EPI_ISL_ 11406398/A_/_H5N1|2022-01-06
NS/A/greylag_goose/Ireland/032969_22VIR1325-6/2021|EPI_ISL_ 11259278/A_/_H5N1|2021-11-15
NS/A/goose/Czech_Republic/22608-3T/2021|EPI_ISL_ 9603901/A_/_H5N1|2021-11-18
NS/A/turkey/Italy/21VIR11804-1/2021|EPI_ISL_ 8882167/A_/_H5N1|2021-12-27
NS/A/seagull/Italy/21VIR10481-2/2021|EPI_ISL_ 8882210/A_/_H5N1|2021-11-29
NS/A/turkey/Italy/21VIR11887-3/2021|EPI_ISL_ 8882170/A_/_H5N1|2021-12-29
NS/A/mute_swan/Romania/16790_21VIR11355/2021|EPI_ISL_ 8440976/A_/_H5N1|2021-11-26
NS/A/Barnacle_goose/Netherlands/1/2022|EPI_ISL_ 9261741/A_/_H5N1|2022-01-04
NS/A/greylag_goose/Netherlands/22006190-002/2022|EPI_ISL_ 12069978/A_/_H5N1|2022-03-28
NS/A/white-tailed_eagle/Sweden/SVA211201S2038I/FB004721M-2021|EPI_ISL_ 7635907/A_/_H5N1|2021-11-26
NS/A/Common_raven/Netherlands/1/2022|EPI_ISL_ 12514532/A_/_H5N1|2022-04-11
NS/A/barnacle_goose/Netherlands/22007405-004/2022|EPI_ISL_ 12474793/A_/_H5N1|2022-04-17
NS/A/European_Herring_Gull/Netherlands/3/2022|EPI_ISL_ 12514681/A_/_H5N1|2022-04-14
NS/A/brent_goose/Ireland/033257_22VIR1325-9/2021|EPI_ISL_ 11259282/A_/_H5N1|2021-11-16
NS/A/pigeon/Germany-NW/AI00951/2022|EPI_ISL_ 10261378/A_/_H5N1|2022-01-24
NS/A/goose/Ireland/3869_22VIR2064-2/2022|EPI_ISL_ 11259284/A_/_H5N1|2022-02-14
NS/A/mute_swan/Czech_Republic/21312/2021|EPI_ISL_ 6328409/A_/_H5N1|2021-11-01
NS/A/swan/France/21P012384/2021|EPI_ISL_ 6590766/A_/_H5N1|2021-11-08
NS/A/chicken/Netherlands/21037233-001/2021|EPI_ISL_ 5588106/A_/_H5N1|2021-10-22
NS/A/turkey/England/004737/2022|EPI_ISL_ 11406399/A_/_H5N1|2022-01-12
NS/A/chicken/Poland/H071_22VIR2515-6/2022|EPI_ISL_ 11922810/A_/_H5N1|2022-01-23
NS/A/chicken/Czech_Republic/61-1/2022|EPI_ISL_ 11327088/A_/_H5N1|2022-01-12
NS/A/chicken/Czech_Republic/61-2/2022|EPI_ISL_ 11327089/A_/_H5N1|2022-01-12
NS/A/peregrine_falcon/Ireland/032476_22VIR1325-3/2021|EPI_ISL_ 11259276/A_/_H5N1|2021-11-10
NS/A/chicken/Czech_Republic/22224-3K/2021|EPI_ISL_ 7224454/A_/_H5N1|2021-11-12
NS/A/chicken/Czech_Republic/23589-3/2021|EPI_ISL_ 7626532/A_/_H5N1|2021-11-29
NS/A/chicken/Czech_Republic/22224-4T/2021|EPI_ISL_ 7224472/A_/_H5N1|2021-11-12
NS/A/chicken/Czech_Republic/23589-1T/2021|EPI_ISL_ 7626526/A_/_H5N1|2021-11-29
NS/A/duck/Czech_Republic/23589-1T/2021|EPI_ISL_ 7626514/A_/_H5N1|2021-11-29
NS/A/chicken/Czech_Republic/22224-3T/2021|EPI_ISL_ 7224463/A_/_H5N1|2021-11-12
NS/A/chicken/Czech_Republic/22224-2T/2021|EPI_ISL_ 7224437/A_/_H5N1|2021-11-12
NS/A/chicken/Czech_Republic/23589-4/2021|EPI_ISL_ 7626539/A_/_H5N1|2021-11-29
NS/A/Ciconia_ciconia/Spain/485-2_22VIR6312-1/2022|EPI_ISL_14038104/A_/_H5N1|2022-02-22
NS/A/mute_swan/Ireland/033169_22VIR1325-14/2021|EPI_ISL_11259264/A_/_H5N1|2021-11-15
NS/A/pheasant/Czech_Republic/25827-1/2021|EPI_ISL_ 9603931/A_/_H5N1|2021-12-25
NS/A/swan/Romania/10324_22VIR2749-2/2022|EPI_ISL_11922816/A_/_H5N1|2022-02-01
NS/A/pheasant/Czech_Republic/25827-2/2021|EPI_ISL_ 9603937/A_/_H5N1|2021-12-25
NS/A/pheasant/Czech_Republic/25827-3/2021|EPI_ISL_ 9603939/A_/_H5N1|2021-12-25
NS/A/chicken/Czech_Republic/23404-2T/2021|EPI_ISL_ 7626512/A_/_H5N1|2021-11-25
NS/A/mute_swan/Czech_Republic/22477-2/2021|EPI_ISL_ 9603918/A_/_H5N1|2021-11-12
NS/A/mute_swan/Czech_Republic/25702-2/2021|EPI_ISL_ 9603927/A_/_H5N1|2021-12-20
NS/A/chicken/Czech_Republic/23404/2021|EPI_ISL_ 8515493/A_/_H5N1|2021-11-25
NS/A/chicken/Czech_Republic/23404-4T/2021|EPI_ISL_ 7626513/A_/_H5N1|2021-11-25
NS/A/mute_swan/Czech_Republic/22477-1/2021|EPI_ISL_ 9603916/A_/_H5N1|2021-11-12
NS/A/chicken/Czech_Republic/23404-4K/2021|EPI_ISL_ 7626506/A_/_H5N1|2021-11-25
NS/A/chicken/Czech_Republic/23404-2K/2021|EPI_ISL_ 7626484/A_/_H5N1|2021-11-25
NS/A/mute_swan/Czech_Republic/22644/2021|EPI_ISL_ 9603923/A_/_H5N1|2021-11-15
NS/A/chicken/Saratov/29-06V/2021|EPI_ISL_ 5463800/A_/_H5N1|2021-09-30
NS/A/chicken/Saratov/29-07V/2021|EPI_ISL_ 5463801/A_/_H5N1|2021-09-30
NS/A/mute_swan/Netherlands/21038824-002/2021|EPI_ISL_ 7952125/A_/_H5N1|2021-11-25
NS/A/barnacle_goose/Sweden/SVA211115Z0376/FB004496/2021|EPI_ISL_ 7053817/A_/_H5N1|2021-11-01
NS/A/Eurasian_wigeon/Italy/21VIR9919-3/2021|EPI_ISL_ 7733585/A_/_H5N1|2021-10-28
NS/A/white-fronted_goose/Ireland/033181_22VIR1325-9/2021|EPI_ISL_ 11259281/A_/_H5N1|2021-11-15
NS/A/duck/Saratov/29-02V/2021|EPI_ISL_ 5463797/A_/_H5N1|2021-09-30
NS/A/western_jackdaw/Netherlands/21039297-002/2021|EPI_ISL_ 7952129/A_/_H5N1|2021-11-20
NS/A/greylag_goose/Denmark/24309-1.01/2021-10-27|EPI_ISL_11798578/A_/_H5N1|2021-10-27
NS/A/Great_black-backed_Gull/Netherlands/3/2022|EPI_ISL_ 11560325/A_/_H5N1|2022-03-15
NS/A/duck/Saratov/29-11V/2021|EPI_ISL_ 5463803/A_/_H5N1|2021-09-30
NS/A/bean_goose/Sweden/SVA211115Z0375/FB004482/2021|EPI_ISL_ 7049600/A_/_H5N1|2021-11-05
NS/A/greylag_goose/Netherlands/2/2022|EPI_ISL_ 11560324/A_/_H5N1|2022-03-06
NS/A/duck/Saratov/29-03V/2021|EPI_ISL_ 5463798/A_/_H5N1|2021-09-30
NS/A/duck/Saratov/29-04V/2021|EPI_ISL_ 5463799/A_/_H5N1|2021-09-30
NS/A/duck/Saratov/29-08V/2021|EPI_ISL_ 5463802/A_/_H5N1|2021-09-30
NS/A/buzzard/Germany-SH/AI06210/2021|EPI_ISL_ 7753443/A_/_H5N1|2021-10-26
NS/A/buzzard/Germany-SH/AI07099/2021|EPI_ISL_ 11725994/A_/_H5N1|2021-11-09
NS/A/Barnacle_Goose/Netherlands/13/2022|EPI_ISL_ 11112346/A_/_H5N1|2022-02-23
NS/A/Song_Thrush/Netherlands/1/2022|EPI_ISL_ 12514573/A_/_H5N1|2022-04-13
NS/A/Black-headed_gull/Netherlands/2/2022|EPI_ISL_ 12512879/A_/_H5N1|2022-04-06
NS/A/goose/Netherlands/21037720-001/2021|EPI_ISL_ 6101869/A_/_H5N1|2021-10-28
NS/A/domestic_goose/Poland/H1931-T1/2021|EPI_ISL_ 6931008/A_/_H5N1|2021-11-03
NS/A/turkey/Spain/140-38_22VIR2142-19/2022|EPI_ISL_ 11259291/A_/_H5N1|2022-01-15
NS/A/Herring_Gull/Netherlands/1/2021|EPI_ISL_ 9012574/A_/_H5N1|2021-12-17
NS/A/mute_swan/Czech_Republic/785/2022|EPI_ISL_ 9603943/A_/_H5N1|2022-01-10
NS/A/chicken/England/057314/2022|EPI_ISL_ 9029056/A_/_H5N1|2021-11-14
NS/A/domestic_duck/England/007588/2022|EPI_ISL_ 11406402/A_/_H5N1|2022-01-23
NS/A/laying_hen/Romania/11343_22VIR4106-1/2022|EPI_ISL_ 12754531/A_/_H5N1|2022-03-18
NS/A/laying_hen/Romania/11562_22VIR4106-4/2022|EPI_ISL_ 12754534/A_/_H5N1|2022-03-26
NS/A/chicken/Netherlands/21038165-006010/2021|EPI_ISL_ 6101848/A_/_H5N1|2021-11-07
NS/A/chicken/Poland/H157_22VIR2515-3/2022|EPI_ISL_ 11922809/A_/_H5N1|2022-02-18
NS/A/greylag_goose_/Sweden/SVA211118SZ0354/FB004497/I-2021|EPI_ISL_ 7055384/A_/_H5N1|2021-11-17
NS/A/White-tiled_eagle/Estonia/TA2124126-1_21VIR10433-11/2021|EPI_ISL_ 7778754/A_/_H5N1|2021-10-12
NS/A/swan/Romania/10656_22VIR2749-6/2022|EPI_ISL_ 11922820/A_/_H5N1|2022-02-22
NS/A/turkey/England/016515/2022|EPI_ISL_ 11561592/A_/_H5N1|2022-02-20
NS/A/Mallard/Netherlands/14/2021|EPI_ISL_ 9012578/A_/_H5N1|2021-12-27
NS/A/seagull/Italy/21VIR11259-10/2021|EPI_ISL_ 8882213/A_/_H5N1|2021-12-15
NS/A/swan/Slovenia/13_22VIR777-8/2022|EPI_ISL_ 11007535/A_/_H5N1|2022-01-03
NS/A/domestic_duck/Poland/H1942-N/2021|EPI_ISL_ 6934175/A_/_H5N1|2021-11-07
NS/A/chicken/Czech_Republic/61/2022|EPI_ISL_ 11327090/A_/_H5N1|2022-01-03
NS/A/Mallard/Netherlands/13/2021|EPI_ISL_ 9012577/A_/_H5N1|2021-12-27
NS/A/Mallard/Netherlands/15/2021|EPI_ISL_ 9012580/A_/_H5N1|2021-12-27
NS/A/chicken/Italy/21VIR9210-1/2021|EPI_ISL_ 7733647/A_/_H5N1|2021-10-25
NS/A/chicken/Italy/21VIR9691-2/2021|EPI_ISL_ 7733630/A_/_H5N1|2021-11-15
NS/A/chicken/Italy/21VIR9580-22/2021|EPI_ISL_ 7733609/A_/_H5N1|2021-11-15
NS/A/chicken/Italy/21VIR9133-20/2021|EPI_ISL_ 7733617/A_/_H5N1|2021-11-04
NS/A/turkey/Italy/21VIR8585-1/2021|EPI_ISL_ 5524384/A_/_H5N1|2021-10-18
NS/A/goose/Czech_Republic/913/2022|EPI_ISL_ 12165607/A_/_H5N1|2022-01-12
NS/A/turkey/Italy/21VIR9510-1/2021|EPI_ISL_ 7733635/A_/_H5N1|2021-11-11
NS/A/goose/Czech_Republic/22750/2021|EPI_ISL_ 9603924/A_/_H5N1|2021-11-19
NS/A/turkey/Italy/21VIR10340/2021|EPI_ISL_ 7735970/A_/_H5N1|2021-11-29
NS/A/duck/Czech_Republic/913/2022|EPI_ISL_ 12140437/A_/_H5N1|2022-01-12
NS/A/goose/Czech_Republic/22608-2/2021|EPI_ISL_ 8515479/A_/_H5N1|2021-11-18
NS/A/chicken/Italy/21VIR10850/2021|EPI_ISL_ 8882168/A_/_H5N1|2021-12-06
NS/A/turkey/Poland/H1913-T1/2021|EPI_ISL_ 6930238/A_/_H5N1|2021-11-02
NS/A/kestrel/Italy/21VIR10468/2021|EPI_ISL_ 7733642/A_/_H5N1|2021-11-30
NS/A/turkey/Italy/21VIR8817-1/2021|EPI_ISL_ 7733648/A_/_H5N1|2021-10-25
NS/A/chicken/Italy/21VIR10384/2021|EPI_ISL_ 7733607/A_/_H5N1|2021-11-30
NS/A/goose/Czech_Republic/25322-2/2021|EPI_ISL_ 12150666/A_/_H5N1|2022-12-18
NS/A/turkey/Italy/21VIR11507/2021|EPI_ISL_ 12028893/A_/_H5N1|2021-12-20
NS/A/turkey/Italy/21VIR10456/2021|EPI_ISL_ 7733613/A_/_H5N1|2021-12-01
NS/A/seagull/Italy/21VIR9432-1/2021|EPI_ISL_ 7733621/A_/_H5N1|2021-11-11
NS/A/turkey/Poland/H1944-N/2021|EPI_ISL_ 6935584/A_/_H5N1|2021-11-08
NS/A/turkey/Italy/21VIR9143-2/2021|EPI_ISL_ 7733633/A_/_H5N1|2021-11-03
NS/A/goose/Czech_Republic/25322-2/2021|EPI_ISL_ 12150995/A_/_H5N1|2021-12-18
NS/A/little_owl/Italy/21VIR11382-1/2021|EPI_ISL_ 8882209/A_/_H5N1|2021-12-13
NS/A/turkey/Italy/21VIR9512-1/2021|EPI_ISL_ 7733632/A_/_H5N1|2021-11-11
NS/A/turkey/Poland/H1924-T1/2021|EPI_ISL_ 6930564/A_/_H5N1|2021-11-03
NS/A/swan/Spain/4087-1_22VIR2142-1/2021|EPI_ISL_ 11259292/A_/_H5N1|2021-12-22
NS/A/turkey/Poland/H1910-T3/2021|EPI_ISL_ 6929958/A_/_H5N1|2021-11-01
NS/A/turkey/Poland/H1911-N/2021|EPI_ISL_ 6929970/A_/_H5N1|2021-11-01
NS/A/chicken/Italy/21VIR9765-12/2021|EPI_ISL_ 7733634/A_/_H5N1|2021-11-17
NS/A/turkey/Italy/21VIR9649-2/2021|EPI_ISL_ 7733643/A_/_H5N1|2021-11-15
NS/A/mute_swan/Czech_Republic/785/2022|EPI_ISL_ 12139999/A_/_H5N1|2022-01-10
NS/A/chicken/Czech_Republic/91/3/2022|EPI_ISL_ 12150608/A_/_H5N1|2022-01-12
NS/A/goose/Czech_Republic/25322-1/9/2021|EPI_ISL_ 12150664/A_/_H5N1|2021-12-18
NS/A/goose/Czech_Republic/22608-2T/2021|EPI_ISL_ 9603819/A_/_H5N1|2021-11-18
NS/A/chicken/Italy/21VIR10239/2021|EPI_ISL_ 7733595/A_/_H5N1|2021-11-25
NS/A/turkey/Italy/21VIR11586-2/2021|EPI_ISL_ 8882166/A_/_H5N1|2021-12-23
NS/A/goose/Czech_Republic/23458-1K/2021|EPI_ISL_ 9603780/A_/_H5N1|2021-11-26
NS/A/goose/Czech_Republic/23458-4T/2021|EPI_ISL_ 9603775/A_/_H5N1|2021-11-26
NS/A/goose/Czech_Republic/23458-5T/2021|EPI_ISL_ 9603769/A_/_H5N1|2021-11-26
NS/A/goose/Czech_Republic/23458-2T/2021|EPI_ISL_ 9603767/A_/_H5N1|2021-11-26
NS/A/stork/Spain/234-2_22VIR2142-7/2022|EPI_ISL_ 11259317/A_/_H5N1|2022-01-17
NS/A/goose/Czech_Republic/22608-1/2021|EPI_ISL_ 8515478/A_/_H5N1|2021-11-18
NS/A/goose/Czech_Republic/22608-1T/2021|EPI_ISL_ 9603795/A_/_H5N1|2021-11-18
NS/A/goose/Netherlands/21038413-002/2021|EPI_ISL_ 6675755/A_/_H5N1|2021-11-08
NS/A/Barnacle_Goose/Netherlands/6/2021|EPI_ISL_ 10347218/A_/_H5N1|2021-12-29
NS/A/Barnacle_Goose/Netherlands/7/2021|EPI_ISL_ 10347220/A_/_H5N1|2021-12-29
NS/A/chicken/Czech_Republic/25690/2021|EPI_ISL_ 9603939/A_/_H5N1|2021-12-22
NS/A/mute_swan/Czech_Republic/22380/2021|EPI_ISL_ 9603920/A_/_H5N1|2021-11-15
0.08

Supplementary Material 1, Figure 1. Phylogenetic analysis of Czech H5N1 HP/LPAI strains detected during the 2021/2022 influenza season.

The ML tree (Best-fit substitution models according to Bayesian information criterion: PB2: GTR+F+G4; PB1: UNREST+FO+I+G4; PA: UNREST+FO+G4; H5: GTR+F+G4; NP: GTR+F+I+G4; N1: TVM+F+G4; MP: K3P+G4; NS: TVM+F+I+G4) was calculated separately for each genomic segment, based on Eurasian H5N1 sequences collected between September 2021 and Jun 2022 and stored in the GISAID EpiFlu database PB2 n=602, PB1 n=591, PA=593, H5 n=661, NP=590, N1 n=594, MP n=599 and NS n=597. Colouring: red-commercial, orange-backyard, and blue-wild. For each branch, the bootstrap values (1000 replicates) in percentages are indicated. All trees except N1 were rooted to A/chicken/Scotland/1959 H5N1. The N1 tree was rooted to A/goose/Guangdong/1/1996. The branches of the tree corresponding with discrete genotypes were highlighted with a genotype specific colour (Figure 3).



Supplementary Material 1, Figure 2. Phylogenetic dating.

Concatenated ML tree with the most probable divergence times estimated using the LSD approach. The tree was rooted to the A/ew/NL/1/2020 H5N1 strain. For clarity, only the subtree encompassing genotypes A1 and A2 (Figure 3) was provided. The order of segments in the concatenated genomes is PB2, PB1, PA, H5, NP, N1, MP and NS. The tree was computed using IQ-TREE (GTR+F+R2 as the best fitting model selected according to the Bayesian information criterion) and scaled with branch lengths measured in number of substitutions per site. For each branch, bootstrap values (1000 replicates) were given in percentages. The branches consisted of H5N1 HPAI strains from geese are highlighted red. Virus taxa were highlighted according to origin: red-commercial; orange-backyard; and blue-wild.