

TABLE S2. Influenza A viruses used in this study

No.	Isolate	Acc. no. ^a	No.	Isolate	Acc. no. ^a
1	A/Regensburg/Germany/01/2009 (H1N1)	FJ984953	48	A/Anser spec./Germany/R44/2006 (H8N3)	AM933234
2	A/USSR/90/77 (H1N1)	CY010374	49	A/BHG/Sweden/5/99 (H16N3)	AY684905
3	A/Fort Monmoth/1/47 (H1N1)	AF250357	50	A/Larus argentatus/Germany/R2788/06 (H16N3)	
4	A/Denver/1/57 (H1N1)	AF305216	51	A/Larus argentatus/Germany/R2792/06 (H16N3)	
5	A/Chile/1/83 (H1N1)	CY020439	52	A/turkey/Ontario/6118/68 (H8N4)	AY207528
6	A/wild duck/Germany/R30/06 (H1N1)		53	A/Mallard/NVP/1682-85 (H10N4)	
7	A/Anser egypticus/Germany/R1419/2006 (H1N1)		54	A/Mallard/NVP/Wv1677-81/03 (H10N4)	
8	A/HongKong/156/97 (H5N1) HPAIV	AF036357	55	A/Moorhen/LKStendal/Wv1703-04 (H10N4)	
9	A/whooper swan/Germany/R65/06 (H5N1) HPAIV	DQ464355	56	A/Wigeon/Föhr/Wv579/05 (H6N5)	
10	A/dk/Vietnam/TG24-01/05 (H5N1) HPAIV	AM183678	57	A/turkey/Grub/R41/98 (H6N5)	
11	A/Teal/Wv632/05 (H5N1)	AM913983	58	A/turkey/Grub/R42/98 (H6N5)	
12	A/ck/GXLA/1204/2004 (H5N1) HPAIV	AM183680	59	A/turkey/Grub/R43/98 (H6N5)	
13	A/ck/Indonesien/R60/05 (H5N1) HPAIV	AM183682	60	A/duck/Alberta/60/76 (H12N5)	CY004374
14	A/ck/Vietnam/P41/05 (H5N1) HPAIV		61	A/Ma/Gur/263/82 (H14N5)	
15	A/broiler/Italy/445/99 (H7N1) HPAIV		62	A/Mallard/Germany/Wv1806-09/03 (H4N6)	AM933235
16	A/hen/Italy/444/99 (H7N1) HPAIV		63	A/Mallard/Wv1754-57/03 (H4N6)	
17	A/Mallard/NVP/41/04 (H7N1)		64	A/Mallard/Wv1732-34/03 (H4N6)	
18	A/turkey/Italy/472/99 (H7N1)		65	A/Mallard/Germany/Wv1027/04 (H4N6)	
19	A/TY/18-2/2000 (H7N1)		66	A/duck/England/56 (H11N6)	CY014681
20	A/Fulica atra/Germany/R1128/06 (H11N1)		67	A/gull/Maryland/704/77 (H13N6)	AY207553
21	A/duck/Potsdam/177/83 (H2N2)		68	A/gull/Stralsund/Wv1136-40/03 (H13N6)	
22	A/bantam/Germany/DZ4/85 (H2N2)		69	A/Anas platyrhynchos/Germany/R622-Friesland/08 (H4N6)	
23	A/HongKong/1/68 (H3N2)	AY210106	70	A/Anas platyrhynchos/Germany/R1491/07 (H4N6)	
24	A/Mallard/439/04 (H3N2)		71	A/chicken/Brescia/19/02 (H7N7) HPAIV	
25	A/chicken/Italy/8/98 (H5N2) HPAIV	EF597309	72	A/Mall/AB/8734/2007 (H7N7)	
26	A/Mall/QC/2323-19/2006 (H5N2)		73	A/chicken/Germany/R28/03 (H7N7) HPAIV	AJ620349
27	A/Goose/MB/428/06 (H5N2)		74	A/duck/Potsdam/15/80 (H7N7)	
28	A/DK/BC/26-6/05 (H5N2)	DQ309439	75	A/turkey/Germany/R11/01 (H7N7)	
29	A/turkey/Hessen/R04/99 (H6N2)		76	A/turkey/Ireland/PV8/98 (H7N7)	

30	A/turkey/Hartzfehn/R26/99 (H6N2)		77	A/Mallard/Föhr/Wv1781-82/03 (H10N7)	
31	A/turkey/LTZ/R63/02 (H6N2)		78	A/chicken/Germany/N/49 (H10N7)	CY014673
32	A/turkey/Wisconsin/66 (H9N2)	EU182282	79	A/Mallard/Germany/Wv1303-04/03 (H3N8)	
33	A/turkey/Germany/176/95 (H9N2)		80	A/duck/Ukraine/1/63 (H3N8)	CY014648
34	A/chicken/Emirates/R66/02 (H9N2)		81	A/guinea fowl/Hungary/1/69 (H10N8)	
35	A/Iran/541 (H9N2)		82	A/quail/Italy/1117/65 (H10N8)	CY005796
36	A/chicken/Germany/90/95 (H9N2)		83	A/Larus ridibundus/R2603/06 (H13N8)	
37	A/turkey/Germany/22/96 (H9N2)		84	A/Larus ridibundus/Germany/R2609/06 (H13N8)	
38	A/pilot whale/Maine/328/84 (H13N2)		85	A/Larus ridibundus/Germany/R2613/06 (H13N8)	
39	A/Anas crecca/Germany/R633-NRW/08 (H6N2)		86	A/Larus ridibundus/Germany/R2622/06 (H13N8)	
40	A/Tyto alba/Germany/R1492/06 (H3N2)		87	A/Larus ridibundus/Germany/R2064/2006 (H13N8)	
41	A/Mallard/Germany/Wv1317-21/03 (H2N3)		88	A/Fulica atra/Germany/R1488/06 (H10N8)	
42	A/Mallard/Germany/Wv677/04 (H2N3)		89	A/chicken/Italy/22/98 (H5N9)	CY022623
43	A/Mallard/Germany/Wv943-45/04 (H2N3)		90	A/Mal/AB/392/2006 (H5N9)	
44	A/Mallard/Föhr/Wv1349-51/03 (H5N3)		91	A/Mal/BC/544-2005 (H5N9)	
45	A/duck/Alberta/48/76 (H7N3)		92	A/Mallard/Föhr/Wv1499-1503/03 (H11N9)	
46	A/turkey/Italy/2043/03 (H7N3)	CY022615	93	A/Anas platyrhynchos/Germany/R2219/2006 (H11N9)	
47	A/Ck/BC/04 (H7N3)	AY611526	94	A/She/WA/2576/79 (H15N9)	CY005407

^a Acc. no., accession number for the neuraminidase gene from the EMBL/GenBank/DDBJ databases.