

Supplementary Table 1A | Avian influenza A (H7N9) virus dataset: host species, geographical location and year reported.

Host species	Location	Year	Before 2013	After 2013
<i>Anas crecca</i>	Spain	2008	12	-
<i>Blue-winged teal</i>	USA	2006	12	-
	Guatemala	2008	24	-
<i>Chicken</i>	China, Guangdong		-	12
	China, Guangzhou		-	1
	China, Jiangsu	2013	-	50
	China, Jiangxi		-	12
	China, Rizhao		-	56
	China, Shanghai		-	143
	China, Zhejiang		-	51
	China, Anhui	2013	-	12
<i>Duck</i>	China, Gunma	2011	1	-
	China, Jiangxi	2009	132	-
	Mongolia	2008	4	-
		2010	1	-
	China, Zhejiang	2013	-	12
<i>Emperor goose</i>	USA	2006	12	-
<i>Goose</i>	Czech Republic	2009	24	-
	USA	2011	13	-
<i>Guinea fowl</i>	USA	2011	14	-
<i>Homing pigeon</i>	China, Jiangsu	2013	-	12
<i>Mallard</i>	Albania	1999	1	-
	Spain	2005	1	-
	Sweden	2002	13	-
<i>Northern shoveler</i>	USA	2011	12	-
<i>Pigeon</i>	China, Shanghai	2013	-	36
<i>Ruddy turnstone</i>		2000	13	-
	USA	1995	12	-
<i>Spot billed duck</i>	Korea	2011	11	-
<i>Tree sparrow</i>	China, Shanghai	2013	-	23
<i>Turkey</i>		1988	23	-
	USA	2009	69	-
		2011	21	-
<i>Wild bird</i>	Korea	2011	33	-
		2008	12	-
<i>Wild duck</i>	Korea	2010	48	-
		2011	72	-
	Mongolia	2008	9	-
<i>Wild pigeon</i>	China, Jiangsu	2013	-	12
Subtotal			599	432
Total			1031	

Supplementary Table 1B | Location of human influenza A (H7N9) virus protein sequences reported since the year 2013.

Location	Since 2013
Changsha	24
Fujian	12
Guangdong	54
Guangzhou	2
Hangzhou	17
Hong Kong	12
Huizhou	12
Jiangsu	36
Nanchang	11
Nanjing	60
Shanghai	71
Suzhou	24
Taiwan	24
Wuxi	48
Xuzhou	12
Zhejiang	48
Zhenjiang	12
Total	479