Table S1. Details of samples collected for H7N9 influenza virus isolation from July 2013 to January 2017<sup>a</sup>.

		•						ber of H7N	•		otal influenz	a viruses i	solated)				
Province	Sampling site	2013			2014				2015			2017					
or city		Chicken	Duck	Environ -ment	Chicken	Duck	Environ -ment	Chicken	Duck	Environ -ment	Chicken	Duck	Environ -ment	Chicken	Duck	Environ -ment	Total
	Poultry	196	19	145	300	141	138	390	171	90	310	176	2				2,078
Anhui	market	(0/15)	(0/2)	(0/6)	(0/3)	(0/19)	(0/11)	(5/16)	(2/27)	(0/5)	(3/19)	(2/34)	(0/1)				(12/158)
	Farm				410	10	40	180 (0/1)	133		270 (0/1)						1,043 (0/2)
	Poultry	230	70	15	394	168	43	239	207	32	468	341	1				2,208
Chong-	market	(0/9)	(0/9)	13	(0/17)	(0/23)	(0/3)	(0/20)	(0/24)	(0/8)	(0/18)	(0/38)	(0/1)				(0/170)
qing	Farm				216 (0/2)	82 (0/2)	18	330	30 (0/1)	10 (0/1)							686 (0/6)
	Poultry	110	110	80	220	280	60	300	269	60	350	308	40				2,187
Fujian	market	(0/6)	(0/12)	(0/12)	(4/5)	(1/19)	(1/5)	(4/10)	(0/30)	(2/14)	(4/17)	(0/28)	(0/4)				(16/162)
.,	Farm				30	120	10 (1/1)										160 (1/1)
	Poultry	390	220	208	299	184	160	596	264	157	490	300	130	630			4,028
Guang-	market	(4/9)	(0/14)	(0/7)	(11/31)	(0/24)	(0/15)	(34/67)	(0/32)	(0/15)	(7/27)	(1/28)	(0/12)	(31/51)			(88/332)
dong	Farm	140			219	43		85	30		30						547
	Poultry	(0/10)	260	100	(1/2) 897	1157	368	(1/3) 648	718	183	(1/1) 755	923	328				(3/16) 6,717
	market	(0/23)	(0/25)	(0/13)	(4/34)	(0/82)	(0/22)	(0/34)	(0/92)	(0/26)	(0/29)	(0/98)	(0/35)				(4/513)
Guangxi		`	150	(0/10)	310	494	, ,	430	470		480	540	(0/33)				2,934
	Farm	30	(0/1)		(0/2)	(0/8)	10	(0/5)	(0/6)	20	(0/1)	(0/12)					(0/35)
	Poultry	330	60	90	491	86	40	560	192	130	620	194	52	42	23		2,910
Guizhou	market	(0/21)	(0/8)	(0/12)	(0/37)	(0/13)	(0/5)	(0/27)	(0/23)	(0/21)	(0/31)	(0/32)	(0/8)	(2/4)	23		(2/242)
Guizhou	Farm		73	10	90				90 (0/1)								263 (0/1)
	Poultry	70	4	40	40			127	50		359	53	40				783
	market	(8/8)	4	(2/2)	(0/1)			(0/4)	(0/2)		(6/20)	(0/2)	(0/1)				(16/40)
Hebei	Farm	280			40	180		351 (0/1)		4							855 (0/1)
	Slaughter				350		50	30	60	20	100						610
TT	-house	60		20	150				(0/1)	(0/1)	(0/1)	-	69				(0/3)
Henan	Poultry	60		20	150			256	13	15	370	5	69				958

	market				(2/3)			(0/2)		(0/1)	(0/19)	(0/1)	(0/6)				(2/32)
	Farm	470		50	750			776		6	610						2,662
		(0/1)		30	750			770		-	(0/1)						(0/2)
	Slaughter -house				120		40				60		30				250
	Poultry	160	70	80	362	251	118	260	70	75	391	257	39				2,133
	market	(0/8)	(0/7)	(0/5)	(0/14)	(0/37)	(0/16)	(5/19)	(0/6)	(0/5)	(0/8)	(0/18)	(0/3)				(5/146)
Hubei	Farm				70	538 (0/6)	112 (0/1)	30	78	10	60	300 (0/4)					1,198 (0/11)
	Slaughter -house										30						30
	Poultry	120	100	90	531	262	163	535	439	150	475	448	141	30	10	20	3514
Hunan	market	(0/8)	(0/11)	(0/8)	(7/20)	(1/29)	(0/10)	(4/30)	(5/55)	(4/21)	(2/30)	(0/23)	(0/15)	(1/3)	(1/2)	20	(25/265)
Tunun	Farm		1590 (0/10)	510 (0/12)	180	3137 (0/13)	1104 (0/23)		3104 (0/27)	790 (0/24)		3170 (0/22)	1000 (0/15)				14,585 (0/146)
	Poultry	160	20	20	321	79	63	585	112	110	656	147	123(4/21)	60			2456
Jiangsu	market	(0/9)	(0/4)	(0/3)	(7/19)	(3/16)	(1/6)	(4/28)	(1/17)	(1/14)	(21/44)	(1/18)	123(4/21)	(1/6)			(44/205)
Jangsu	Farm	180		10	347 (0/1)	90	158	300 (1/1)	270 (0/4)	20	200 (0/1)	90	15				1680 (1/7)
	Poultry				299	319	70	256	210	81	408	195	25				1,863
Jiangxi	market				(0/8)	(0/17)	(0/1)	(7/39)	(0/35)	(0/26)	(0/22)	(0/30)	(0/2)				(7/180)
viang.ii	Farm		1218	360		1796	320		1317		120	363	50				5,544
			(0/13)	(0/16)	138	(0/21)	(0/9)		(0/16)		(0/1)	(0/7)					(0/83)
	Poultry market	65		20	(0/1)	12 (0/2)					60 (2/2)						295 (2/5)
Jilin	Farm	300			1014	10		870			800						2,994
	Slaughter	30		20	60			300			120	30					560
	-house	(0/1)		(0/1)							120	30					(0/2)
	Farm	60	210		750	150	30	890	100		780	227					3,197
Liaoning					(0/2)			(0/1)	(0/1)								(0/4)
	Slaughter -house	300	30	60 (0/1)	360 (0/1)	150	40	120			180						1,240 (0/2)
	Poultry	178	21	41	366	30	25	265	18	16	460	47	4				1,471
Ningxia	market	(0/14)	(0/3)	(0/3)	(1/22)	(0/2)		(0/6)	10	(0/1)	(0/10)	(0/1)	· .				(1/62)
	Farm				360			270									630
					(0/2)			(0/1)	L								(0/3)

	Slaughter				90		30	30			30		11			191
	-house				(0/2)	25	(0/1)	589		10	249					(0/3) 1348
	Poultry market				(0/8)	(0/4)	69 (1/1)	(0/17)	22	10 (0/2)	(0/3)					(1/35)
Qinghai	market				185	(0/4)	(1/1)	(0/17)		(0/2)	410					635
	Farm				(0/2)		40				(0/1)					(0/3)
		510						1012								3,750
Shanxi	Farm	(0/1)			1200			(0/1)		8	1020					(0/2)
	Poultry	155	3	98	30		3	255	14	45	240	40				883
	market	(0/5)		(0/2)	30			(0/5)	(0/1)	(0/1)	(0/5)	(0/1)				(0/20)
Shandong	Farm	240			339	639 (0/2)	67 (0/1)	630 (0/6)	90 (0/2)	20 (0/1)	215	160	10			2,410 (0/12)
	Slaughter						. ,	30	30	20	75	20				175
	-house										(0/1)	20				(0/1)
	Poultry	190	10					150	30	30	370		30			810
Shanghai	market	(0/12)	10					(2/12)	(2/2)	(2/7)	(0/3)		(1/4)			(7/40)
	Farm							180								180
	Poultry							269	177	28	517	282	30			1,303
	market							(0/8)	(0/14)	(0/4)	(0/33)	(0/36)	(0/5)			(0/100)
Sichuan	Farm				37	22	12	40	120	15						246
	Slaughter								30							30
	-house				220	0.5	60		(0/2)	40	106	1.60	0.5			(0/2)
	Poultry				220 (0/9)	95 (0/7)	60	153	76 (0/2)	40	186	160 (0/13)	95 (0/7)			1,085 (0/53)
Tibet	market				(0/9)	(0/7)	(0/6)	320	(0/2)	(0/1)	(0/8)	(0/13)	(0/7)			616
	Farm				170	50		(0/1)	16	10	40		10			(0/1)
	Poultry	151	44	50	220	23	31	286	59	49	390	27	60			1,390
	market	(0/17)	(0/5)	(0/4)	(2/6)	(0/1)	(2/2)	(0/12)	(0/2)	(0/2)	(0/7)	(0/2)	(0/4)			(4/64)
Xinjiang	Farm	126	95	20	350		10	120	20	5	120	30				896
Amjung		120	(0/1)	20	(0/1)		10	(0/7)	(0/2)	,	120	30				(0/11)
	Slaughter	95	15		111		30	96		10			30			387
	house	,,,						(0/1)					(0/1)			(0/2)
	Poultry				560	60	60	660	162	90	892	179	45			2,708
Yunnan	market				(0/9)	(0/6)	(0/7)	(0/18)	(0/12)	(0/4)	(0/31)	(0/11)	(0/1)			(0/99)
	Farm				60		10									70
Zhejiang	Poultry	185	116	145	243	57	170	250	116	34	480	284	68	60	50	2,258

Γ		market	(12/14)	(0/1)	(6/10)	(6/27)	(1/11)	(1/18)	(2/8)	(2/19)	(1/4)	(11/28)	(2/34)	(3/10)	(1/4)		(3/7)	(51/195)
		Farm				270	360	100		840		30						1600
						270	(0/8)	(0/4)		(0/11)		(1/1)						(1/24)
	Tot	tol	5,891	4508	2,282	14,953	11,100	3,872	15,049	10,217	2,393	15,276	9,296	2,478	822	33	70	98,240
1	100	ıaı	(24/191)	(0/126)	(8/117)	(45/291)	(6/372)	(7/168)	(69/411)	(12/469)	(10/209)	(58/424)	(6/493)	(8/156)	(36/68)	(1/2)	(3/7)	(293/3504)

<sup>&</sup>lt;sup>a</sup>In total, 112,593 samples were collected. We isolated 138 viruses from 2,656 goose samples, 22 viruses from 1,347 pigeon samples, but no viruses from the 10,350 wild bird feces. Because H7N9 virus was not isolated from the latter samples, we did not include information about these samples in the table.