

Supplementary Table 2. Clade 2.3.4.4b H5N6 highly pathogenic avian influenza isolates used in this study

Avian species		Virus name	Location	Age (wk)	Clinical sign	
Domestic	Broiler duck	A/duck/Korea/HD1/2017 (H5N6)	35°31'N, 126°42'E	5	Lameness	
	Breeder duck	A/duck/Korea/H35/2017 (H5N6)	34°54'N, 126°41'E	39	Reduced egg production, increasing mortality, lameness	
	Broiler duck	A/duck/Korea/H56/2017 (H5N6)	34°50'N, 126°35'E	5	Not detected	
	Broiler duck	A/duck/Korea/H70/2017 (H5N6)	35°40'N, 126°48'E	5	Lameness	
	Breeder duck	A/duck/Korea/H80/2017 (H5N6)	34°49'N, 126°40'E	38	Increasing mortality, reduced egg production	
	Broiler duck	A/duck/Korea/H81/2017 (H5N6)	34°48'N, 127°20'E	5	Increasing mortality	
	Broiler duck	A/duck/Korea/H103/2017 (H5N6)	34°50'N, 126°35'E	5	Increasing mortality	
	Breeder duck	A/duck/Korea/H107/2017 (H5N6)	34°57'N, 126°35'E	20	Increasing mortality	
	Wild	Mallard	A/mallard/Korea/Jeju-H24/2017 (H5N6)	33°30'N, 126°53'E	-	-
		Mandarin duck	A/mandarin duck/Korea/H69/2017 (H5N6)	36°44'N, 127°08'E	-	-
Mandarin duck		A/mandarin duck/Korea/H71/2017 (H5N6)	36°45'N, 127°06'E	-	-	
Mandarin duck		A/mandarin duck/Korea/H119/2017 (H5N6)	36°44'N, 127°07'E	-	-	