

Table S1. Lists of primers used for the amplification of the eight vRNA segments of Influenza A virus

Name	Purpose	Sequence (5'-3') ^a	Target segment	Size (bp)	Reference
Uni12	cDNA synthesis	AGCAAAAGCAGG	All		
Bm-NP-1	PCR	AGCAAAAGCAGGGTA	NP	1565	Hoffmann, E.; Stech, J.; Guan, Y.; Webster, R.G.; Perez, D.R. Universal Primer Set for the Full-Length Amplification of All Influenza A Viruses. Arch. Virol. 2001, 146, 2275–2289.
Bm-NP-1565R		AGTAGAAACAAGGGTATTTTT			
Bm-M-1F	PCR	AGCAAAAGCAGGTAG	MA	1027	
Bm-M-1027R		AGTAGAAACAAGGTAGTTTTT			
Bm-NS-1F	PCR	AGCAAAAGCAGGGTG	NS	890	
Bm-NS-890R		AGTAGAAACAAGGGTGTTTT			
Bm-PA-1	PCR	TATTCGTCTCAGGGAGCGAAAGCAGGTAC	PA	2233	Li, O.T.W.; Barr, I.; Leung, C.Y.H.; Chen, H.; Guan, Y.; Peiris, J.S.M.; Poon, L.L.M. Reliable Universal RT-PCR Assays for Studying Influenza Polymerase Subunit Gene Sequences from All 16 Haemagglutinin Subtypes. J. Virol. Methods 2007, 142, 218–222.
PA-1498R		TNGTYCTRCAYTTGCTTATCAT			
PA-747F		CATTGAGGGCAAGCTTTC			
Bm-PA-2233R		ATATCGTCTCGTATTAGTAGAAACAAGGTACTT			
Bm-PB1-1	PCR	TATTCGTCTCAGGGAGCGAAAGCAGGCA	PB1	2341	
PB1-1262R		TTRAACATGCCCATCATCAT			
PB1-1124F		ARATACCNGCAGARATGCT			
Bm-PB1-2341R		ATATCGTCTCGTATTAGTAGAAACAAGGCA			
Bm-PB2-1	PCR	TATTGGTCTCAGGGAGCGAAAGCAGGTC	PB2	2341	
PB2-1250R		TCYTCYTGTGARAAYACCAT			
PB2-1105F		TAYGARGARTTCACAATGGT			
Bm-PB2-2341R		ATATGGTCTCGTATTAGTAGAAACAAGGTCG			
HA-1	PCR	AGCAAAAGCAGGGG	HA	1778	Chan, C.H.; Lin, K.L.; Chan, Y.; Wang, Y.L.; Chi, Y.T.; Tu, H.L.; Shieh, H.K.; Liu, W.T. Amplification of the Entire Genome of Influenza A Virus H1N1 and H3N2 Subtypes by Reverse-Transcription Polymerase Chain Reaction. J. Virol. Methods 2006, 136, 38–43.
HA-1778R		AGTAGAAACAAGGGTGTTTT			
AIV-NA-BO-F13	PCR	GGGAGCAAAAGCAGGAGTRAARATGAA	NA	1413	Orozovic, G.; Latorre-Margalef, N.; Wahlgren, J.; Muradrasoli, S.; Olsen, B. Degenerate Primers for PCR Amplification and Sequencing of the Avian Influenza A Neuraminidase Gene. J. Virol. Methods 2010, 170, 94–98.
AIV-NA-BO-F11		GGGAGCAAAAGCAGGKSRMDATGAATC			
AIV-NA-BO-R		GGGAGTAGAAACAAGGDBNTTTTTB			

^aCodes for mixed bases position: R= A/G, Y=C/T