

Supplementary Figure legend

Supplementary FIG S1. Genomic amplification of multiple subtypes of influenza A viruses isolated from avian respiratory specimens through one-step and two-step PCR systems.

Supplementary Table legends

Supplementary Table S1: Cost calculation of batch sequencing in Nanopore MinION.

Supplementary Table S2: Influenza genotyping information retrieved from the culture-independent Nanopore MinION sequencing.

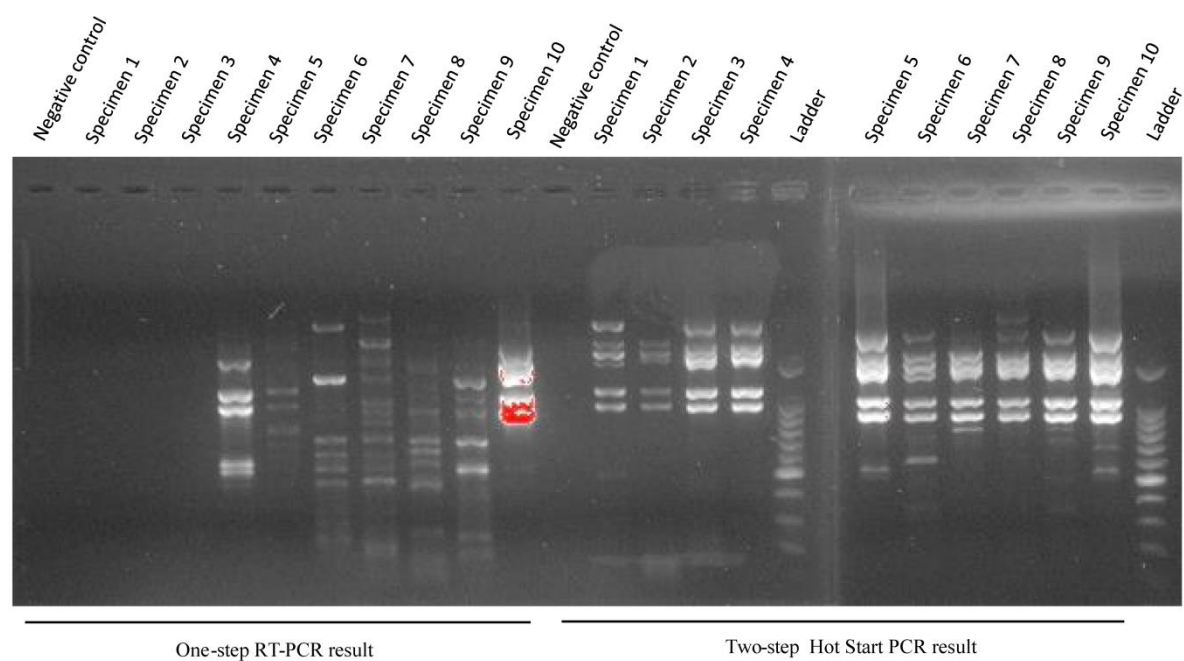


FIG S1. Genomic amplification of multiple subtypes of influenza A viruses isolated from avian respiratory specimens through one-step and two-step PCR systems.

Table S1: Cost calculation of batch sequencing in Nanopore MinION.

SL #		Unit price US \$/£	Tests/Kit	Per test cost in US\$	Total in batch (US\$)
1	Direct-zol RNA Miniprep Plus Kits	\$872	200	4.36	104.64
2	Native Barcoding Expansion (1-12, 13-24)	\$576	16	1.5	36
2	Ligation Sequencing Kit	\$599	12	2.1	50.4
3	Flow Cell Priming Kit	\$35	6	0.25	6
4	Flow Cell Wash Kit	\$85	6	0.6	14.4
5	SFB Expansion	\$30	4	0.32	7.68
6	R9.4.1 flow cell	\$500	48	10.42	250.08
7	Influenza primer sets	\$150	1000	0.15	3.6
8	Agencourt AMPure XP beads	\$338	204.3	1.66	39.84
9	Qubit dsDNA HS Assay Kit	£113	100	0.22	5.28
10	High-Capacity cDNA Reverse Transcription Kit	\$380	200	1.9	45.6
11	Q5® Hot Start High-Fidelity 2X Master Mix	£649.00	500	1.47	35.28
12	NEB Blunt/TA Ligase Master Mix	£392	250	1.77	42.48
13	NEBNext Ultra II End repair / dA-tailing Module	£744.00	384	2.6	62.4
14	NEBNext Quick Ligation Module	£1339.00	100	0.63	15.12
Total				\$29.95	\$718.8

Cost is calculated in US dollars.