

Figure 1.

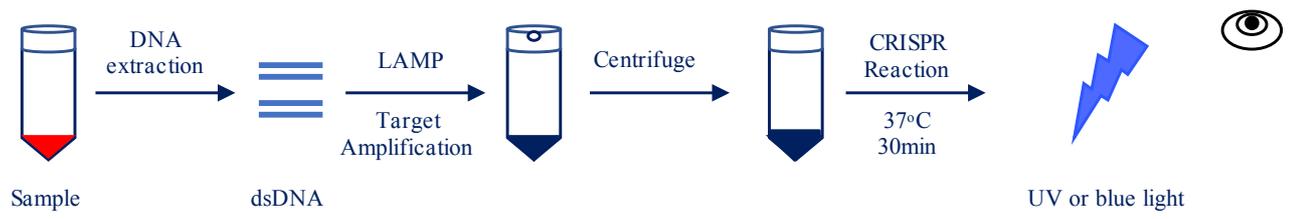


Figure 2.

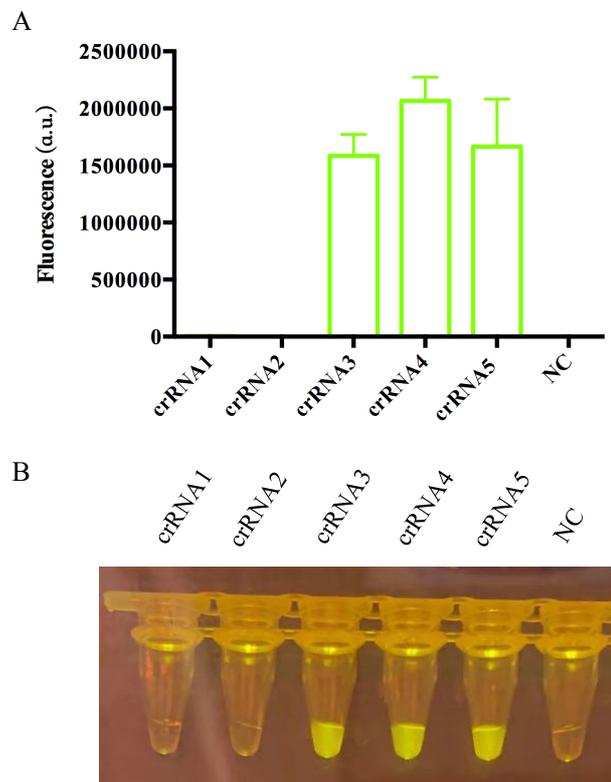
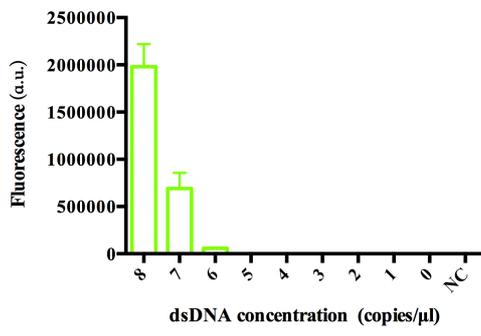
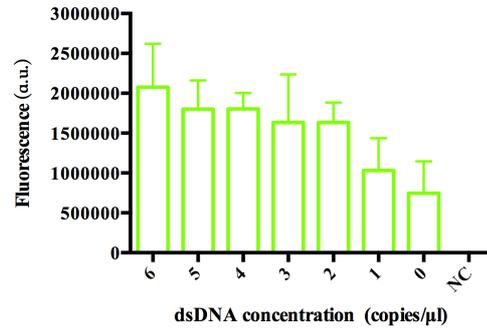


Figure 3.

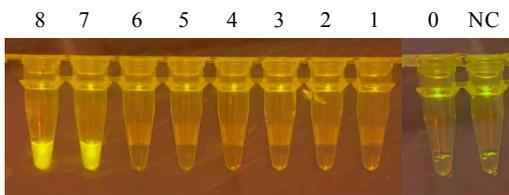
A



B



C



D

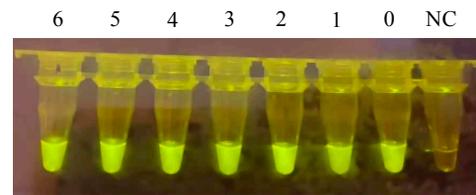
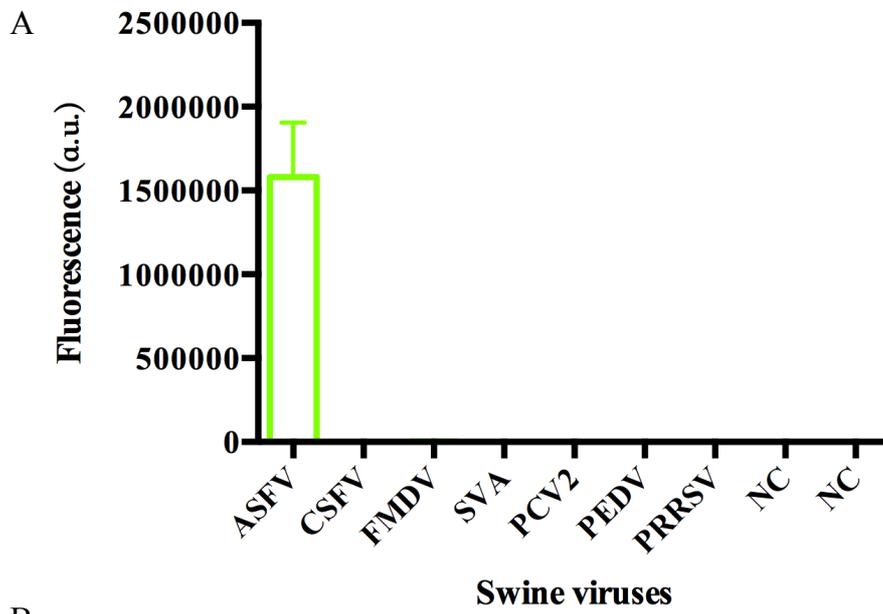


Figure 4.



B

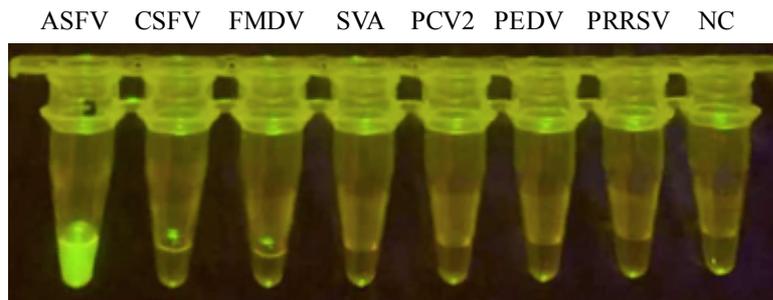


Figure 5.

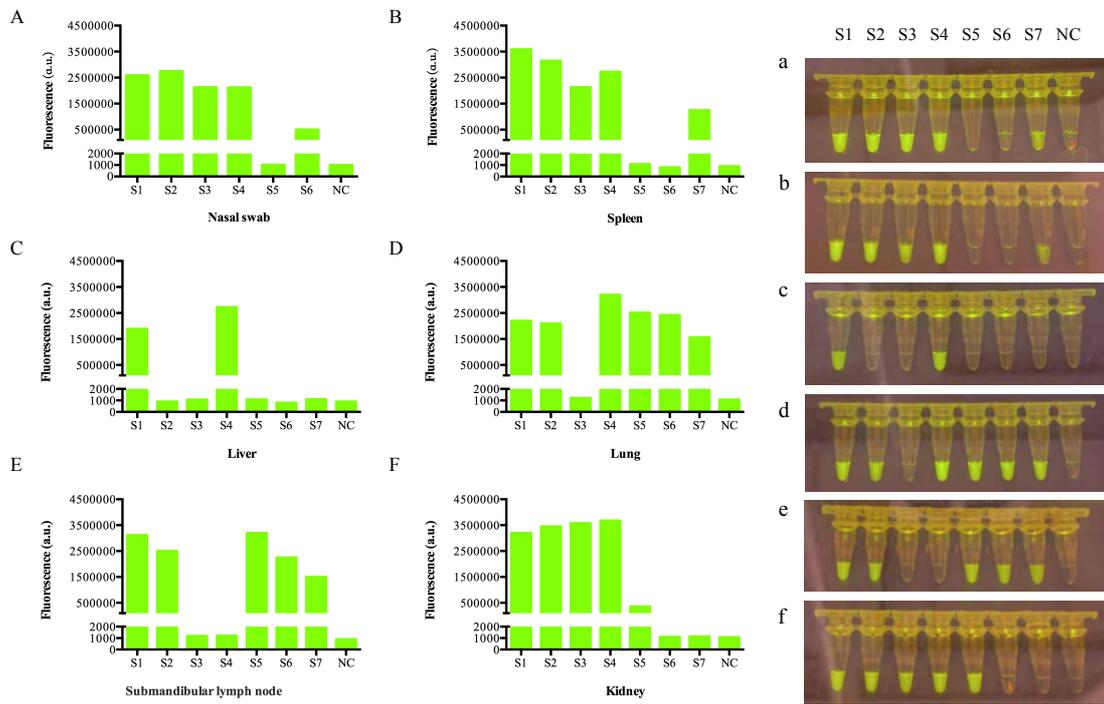


Table 1. Sequences of LAMP primer and crRNA.

F3	5'-CTATAAACATATATTCAATGGGCC-3'
B3	5'-GCAATATACGCTTTAAACCATG-3'
FIP	5'-ACGTGTCCATAAAACGCAGGTTTTTCAGACATTAGTTTTTCATCGTG-3'
BIP	5'-AGGTTGTGTATTTTCAGGGGTTACTTTTTTCATTAATGAAATCTCGCTCAC-3'
crRNA	AAUUUCUACUAAGUGUAGAUUCGUGGUGGUUAUUGUUGGUGU
ssDNA	5'-(FAM)CCACGGGAGGAATACCAACCCAGTG(BHQ1)-3'

Table 2. The results between LAMP-CRISPR and real-time qPCR for ASFV detection in clinical samples.

Sample types	Number	Results (Positive/Negative)	
		LAMP-CRISPR	qPCR
Nasal swab	6	5/6	5/6
Spleen	7	5/7	5/7
Liver	7	2/7	3/7
Lung	7	6/7	6/7
Submandibular lymph node	7	5/7	5/7
Kidney	7	5/7	5/7
In total	41	28/41	29/41