Supplementary Table 1. The primers used in this study.

Primer name	Sequence(5'-3')	Use
CMVF	GCC*ACTAGT*TAGTTATTAATAGTAATCAATT	
NgoR	AAGTTGAAGGCTGCATTGCGAGCA	Replace the T7 promoter with the CMV promoter by overlap extension PCR
CMV23R	CCGGACTCTTTTGGAAGTTCACTAAACCAGCT	
Ngo23F	AGCTGGTTTAGTGAACTTCCAAAAGAGTCCGG	
F3F	AG*CTCGAG*GCATGCATTCTCA	
P1	GGAGGTGGAGATGCCATGCCGACCCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGCTTCTAATT	Introduction of the ribozyme elements at the 3' end of the virus genome
P2	GAGTGGACGTGCGTCCTCCTTCGGATGCCCAGGTCGGACCGCGAGGAGGTGGAGATGCCATGCCGACCC	
P3	*CCGCGGG*CGCCCTCCCTTAGCCATCCGAGTGGACGTGCGTCCTCCTTC	
ORF1a-1606-F	TT*GTTAAC*GACGACATTGTGGTCTCAAC	Construction of transposon plasmid
ORF1a-2575-R	CT*AAGCTT*CTGAATCTTACTCCCAAG	
CC-His-F	CCAATCTTACAACCCTAATcatcatcaccatcaccatGAGATTGTTGAACTCATTC	
CC-His-R	GAATGAGTTCAACAATCTCatggtgatggtgatgatgATTAGGGTTGTAAGATTGG	
CC-Flag-F	CCAATCTTACAACCCTAATgattacaaggatgacgacgataagGAGATTGTTGAACTCATTC	Introduction of epitope tags in the CC domain
CC-Flag-R	GAATGAGTTCAACAATCTCcttatcgtcgtcatccttgtaatcATTAGGGTTGTAAGATTGG	
CC-HA-F	CCAATCTTACAACCCTAATtacccatacgacgtcccagactacgctGAGATTGTTGAACTCATTC	
CC-HA-R	GAATGAGTTCAACAATCTCagcgtagtctgggacgtcgtatgggtaATTAGGGTTGTAAGATTGG	
VPg-A-His-F	CAAGACCAAGCGTGGGcatcatcaccatcaccatCGCACTGGGCAGCGGACCAATC	
VPg-A-His-R	GATTGGTCCGCTGCCCAGTGCGatggtgatggtgatgatgCCCACGCTTGGTCTTG	
VPg-A-Flag-F	CAAGACCAAGCGTGGGgattacaaggatgacgacgataagCGCACTGGGCAGCGGACC	
VPg-A-Flag-R	GGTCCGCTGCCCAGTGCGcttatcgtcgtcatccttgtaatcCCCACGCTTGGTCTTG	Introduction of epitope tags in the VPg domain
VPg-A-HA-F	CAAGACCAAGCGTGGGtacccatacgacgtcccagactacgctCGCACTGGGCAGCGGACCAATC	
VPg-A-HA-R	GATTGGTCCGCTGCCCAGTGCGagcgtagtctgggacgtcgtatgggtaCCCACGCTTGGTCTTG	
VPg-B-His-F	GTGGGCGCACTGGGCAGCGGACTcatcatcaccatcaccatCGGACCAATCTCCGGAAAGGAGCTCG	
VPg-B-His-R	CGAGCTCCTTTCCGGAGATTGGTCCGatggtgatggtgatgatg	

	AGTCCGCTGCCCAGTGCGCCCAC	
VPg-B-Flag-F	GTGGGCGCACTGGGCAGCGGACTgattacaaggatgacgacgataagCGGACCAATCTCCGGAAAGGAGCTCG	
VPg-B-Flag-R	CGAGCTCCTTTCCGGAGATTGGTCCGcttatcgtcgtcatccttgtaatcAGTCCGCTGCCCAGTGCGCCCAC	
VPg-B-HA-F	GTGGGCGCACTGGGCAGCGGACTtacccatacgacgtcccagactacgctCGGACCAATCTCCGGAAAGGAGCTCG	
VPg-B-HA-R	CGAGCTCCTTTCCGGAGATTGGTCCGagcgtagtctgggacgtcgtatgggtaAGTCCGCTGCCCAGTGCGCCCAC	
VPg-C-His-F	CTACGAGTACGAACGCAATcatcatcaccatcaccatGAGGAGGTGGATTACGAC	
VPg-C-His-R	GTCGTAATCCACCTCCTCatggtgatggtgatgatgATTGCGTTCGTACTCGTAG	
VPg-C-Flag-F	CTACGAGTACGAACGCAATgattacaaggatgacgacgataagGAGGAGGTGGATTACGAC	
VPg-C-Flag-R	GTCGTAATCCACCTCCTCcttatcgtcgtcatccttgtaatcATTGCGTTCGTACTCGTAG	
VPg-C-HA-F	CTACGAGTACGAACGCAATtacccatacgacgtcccagactacgctGAGGAGGTGGATTACGAC	
VPg-C-HA-R	GTCGTAATCCACCTCCTCagcgtagtctgggacgtcgtatgggtaATTGCGTTCGTACTCGTAG	
HVR-His-F	GTCAAAGCCCAGAAGCCCATTcatcatcaccatcaccatCCCATCCCTGCACCGCGCTCCCGGAAAG	
HVR-His-R	CTTTCCGGGAGCGCGGTGCAGGGATGGatggtgatggtgatgatgAATGGGCTTCTGGGCTTTGAC	
HVR-Flag-F	GTCAAAGCCCAGAAGCCCATTgattacaaggatgacgacgataagCCCATCCCTGCACCGCGCTCCCGGAAAG	Introduction of epitope tags
HVR-Flag-R	CTTTCCGGGAGCGCGGTGCAGGGATGGcttatcgtcgtcatccttgtaatcAATGGGCTTCTGGGCTTTGAC	in the HVR domain
HVR-HA-F	GTCAAAGCCCAGAAGCCCATTtacccatacgacgtcccagactacgctCCCATCCCTGCACCGCGCTCCCGGAAAG	
HVR-HA-R	CTTTCCGGGAGCGCGGTGCAGGGATGGagcgtagtctgggacgtcgtatgggtaAATGGGCTTCTGGGCTTTGAC	
HVR-AflII-F	GTCAAAGCCCAGAAGCCCATT*CTTAAG*GCC*GTCGAC*CCCATCCCTGCACCGCGCTCCCGGAAAG	Introduction of restriction sites in the HVR domain
HVR-SalI-R	CTTTCCGGGAGCGCGGTGCAGGGATGGG*GTCGAC*GGCC*TTAAG*AATGGGCTTCTGGGCTTTGAC	
iLOV-AflII-F	GC*CTTAAG*ATGATAGAGAAGAATTTCGTC	Amplification of iLOV sequence
iLOV-SalI-R	GC*GTCGAC*TACATGATCACTTCCATCGAGC	

[1] Epitope tags are shown as lower case letters.
[2] Restriction sites are shown as italics.