Supporting Information

Ji-Young Park[1], Chamith Hewawaduge[1], Khristine Kaith S. Lloren[1], Byungkwan Oh[2], Mi Young So[1], John Hwa Lee[1,*]

[1] Department of Veterinary public health, College of Veterinary Medicine, Jeonbuk National University, Iksan, 54596, Republic of Korea

[2] Department of Veterinary Pathology, College of Veterinary Medicine, Jeonbuk National University, Iksan, 54596, Republic of Korea

***Corresponding author** : John Hwa Lee, DVM, Ph.D,

E-mail:johnhlee@jbnu.ac.kr. Phone : +82-63-850-0940

Supplementary table S1. Experiment Schedule for SFTSV challenge

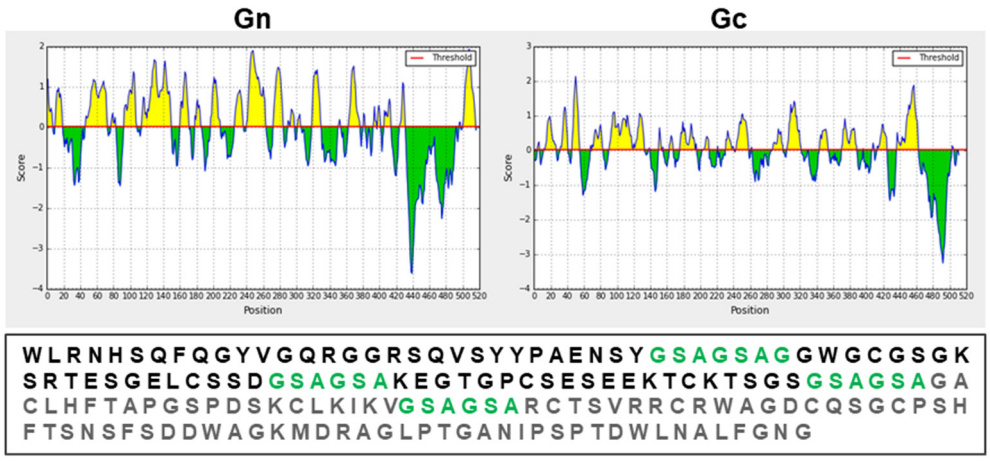
Group (n=8)	Strain	Route	Dosage (CFU/100 μl)	Booster	AAV/hDC-SIGN transduction	Challenge
A	PBS	IM	100 ul	100 ul	1 week post booster immunization (1×10^{11}vp, i.v)	1×10^{3} $FAID_{50}$ SFTSV (i.p)
B	JOL2420	IM	1×10^{7}	1×10^{7}		
C	JOL2424	IM	1×10^{7}	1×10^{7}		
D	JOL2425	IM	1×10^{7}	1×10^{7}		
E	JOL2426	IM	1×10^{7}	1×10^{7}		

i.v: intravenous route, i.p: intraperitoneal route

Supplementary table S2. Post-challenge body temperature measurements (°C)

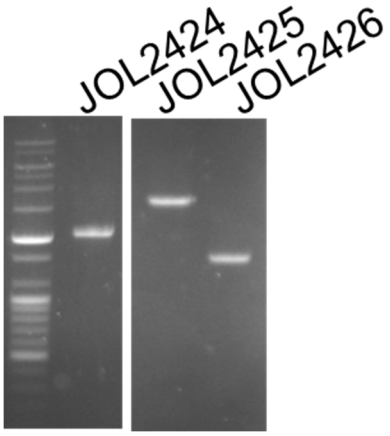
	JOL2420	JOL2424	JOL2425	JOL2426
Day 01	36.4±0.2	36.2±0.1	36.6±0.2	36.6±0.1
Day 02	37.4±0.1	37.3±0.3	36.6±0.2	36.7±0.2
Day 03	37.0±0.5	36.9±0.3	36.2±0.1	36.5±0.4
Day 04	36.9±0.1	36.8±0.1	36.6±0.2	36.7±0.1

Supplemental Figure S1



Supplemental Figure S1. The BepiPred program automatically determined the cut-off value for linear B-cell epitopes of the Gn-Gc protein.

Supplemental Figure S2



Supplemental Figure S2. Vaccine antigens expressed by *Salmonella* mutant, JOL2500 was confirmed by PCR using antigen-specific primers. Genes were amplified at 2.1 kilobase pairs (kbp), 4.1 kbp, and 1.6 kbp for NP-Gn/Gc-epitope, NP-P2A-Gn/Gc, NSs genes, respectively.