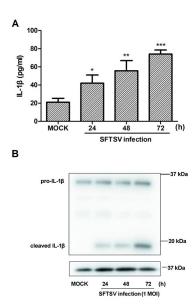
## Activation of the NLRP3 Inflammasome and Elevation of Interleukin-1β Secretion in Infection by Sever Fever with Thrombocytopenia Syndrome Virus

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Table S1 Nucleotide sequences of primers and probes used in the this study

Genes	Primers	Sequences (5'-3')
SFTSV	Forward Primer	TAAACTTCTGTCTTGCTGGCTCC
	Reverse Primer	TGGCAAGATGCCTTCACCA
	MGB Probe	CGCATCTTCACATTGAT
pro-IL-1β	Forward Primer	CACGATGCACCTGTACGATCA
	Reverse Primer	AGCACTGAAAGCATGA
GAPDH	Forward Primer	ACAGTCAGCCGCATCTTCTT
	Reverse Primer	ACGACCAAATCCGTTGACTC



**Figure S1.** The production and secretion of IL-1 $\beta$  are induced by SFTSV in PBMCs. PBMCs were infected by the SFTSV (MOI = 1) for 24, 48 and 72 h. Supernatants were analyzed by ELISA for IL-1 $\beta$  secretion (**A**); Cell lysates were analyzed by western blot analysis using an antibody specific for IL-1 $\beta$  (**B**).

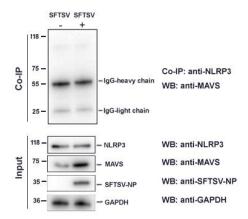


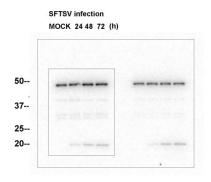
Figure S2. Interaction of NLRP3 and MAVS in PBMCs infected with SFTSV. Coimmunoprecipitation of NLRP3 and MAVS in SFTSV-infected PBMCs was shown. The cells were either mock-infected or infected with SFTSV for 48 hrs. The cell lysates were immunoprecipitated by an anti-NLRP3 antibody, and the immunoprecipitates were subjected to western blot analysis with an anti-MAVS antibody. The membrane was also blotted with anti-NLRP3, anti-MAVS and anti-SFTSV-NP antibodies as the input.

# Figure S3. Original western blot images from figures used in this study

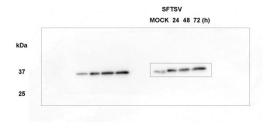
The blots were cut according to the molecular weight of the target antigens prior to hybridisation with antibodies during blotting. The edges of the blots were outlined using solid black lines.

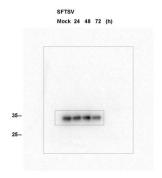
Figure 2G

#### caspase1



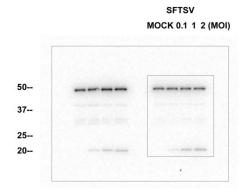
#### pro-IL-1β





# Figure 2H

## caspase 1



## pro-IL-1β

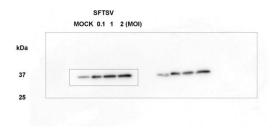
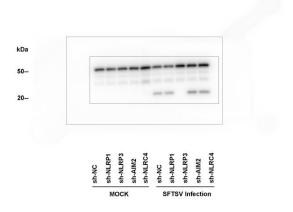


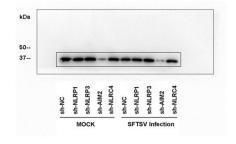


Figure 4C

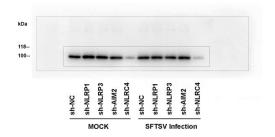
# Caspase-1



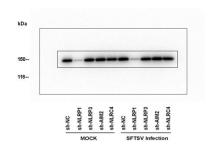
#### AIM-2



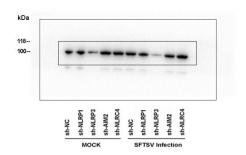
#### NLRC4



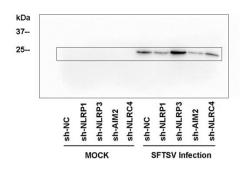
### NLRP1



## NLPR3



#### SFTSV-NP



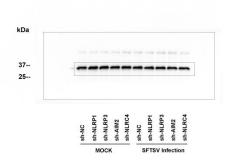
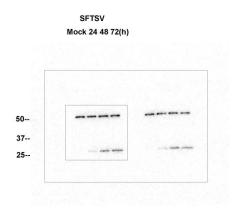
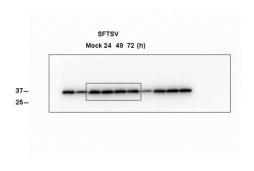


Figure 6E

#### GSDMD

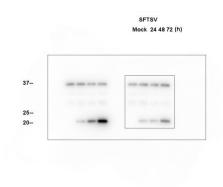


### GAPDH



## Figure S1B

## IL-1β

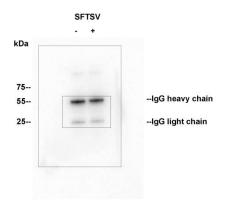


#### GAPDH

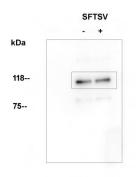


Figure S2

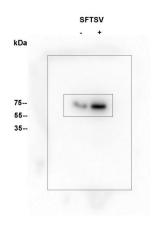
## Heavy chain and light chain of IgG



#### NLPR3



#### MAVS



#### SFTSV-NP

