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Supplementary file

Low-Temperature enhances production of Severe Fever with Thrombocytopenia Syndrome Virus Virus-Like Particles

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Sequence:

ATGATGAAGGTGATCTGGTTTAGCTCCCTGATCTGCCTGGTGATCCAGTGTT
CCGGCGATACCTCCCCTATCATCTGTGCCGGCCCCATCCACAGCAATAAGAG
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GCTGCTGGGCGGACTGGCCCTGTTCTTCCTGATCATGTCCCTGTTCAAGCT
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Fig. S1 The codon-optimized sequence of Severe fever with thrombocytopenia syndrome virus (SFTSV) glycoprotein based on human-derived cells. A total of 3219 nucleotide sequences in length.

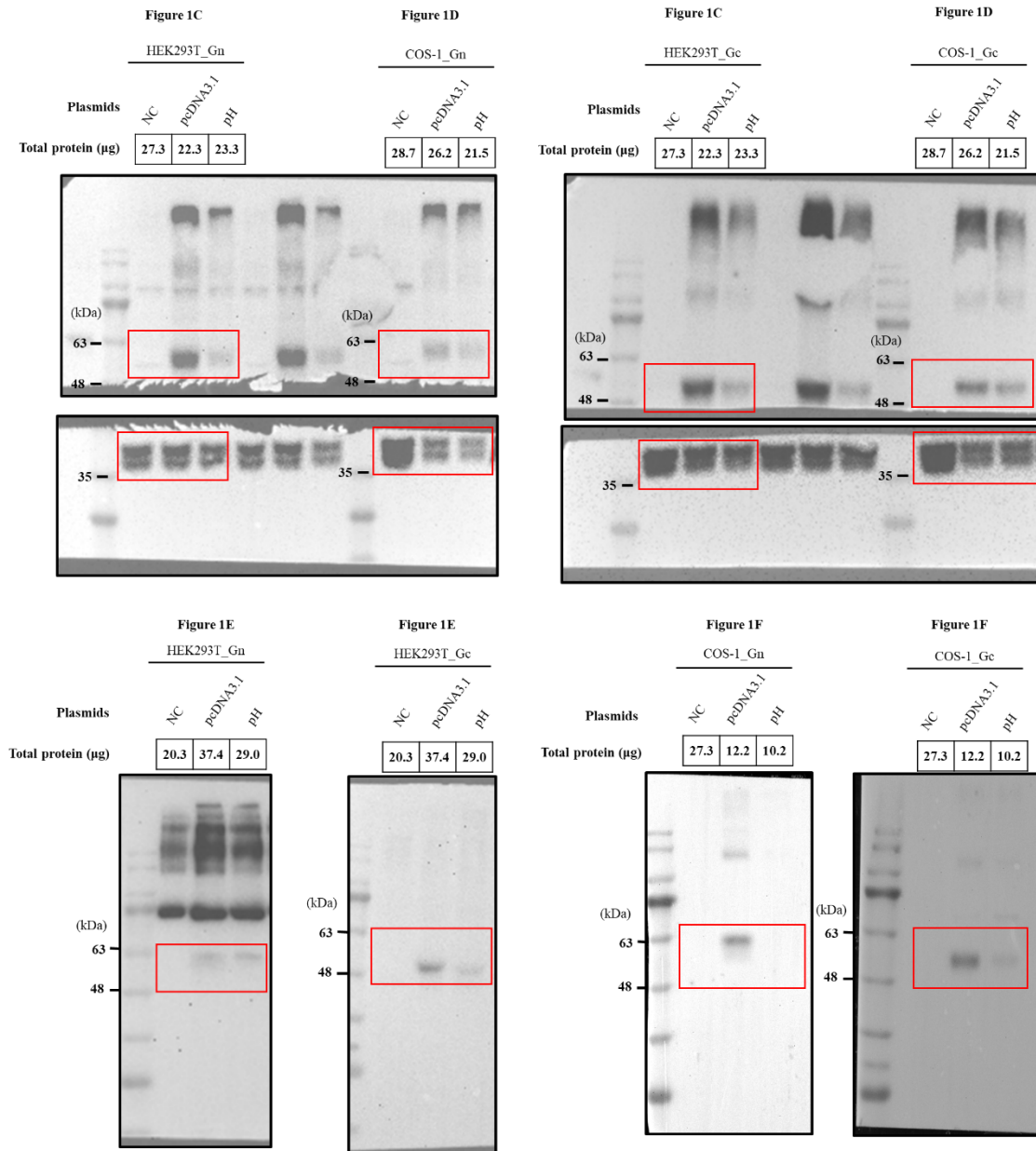


Fig. S2 The original Western blotting of Fig. 1. Sections delineated by red rectangular boxes were displayed in the Fig. 1 of the manuscript. The total protein amount (μg) used in each assay was indicated below the corresponding sample. Protein concentrations were quantified using the Thermo Scientific NanoDrop One, with bovine serum albumin (BSA) serving as the reference standard.

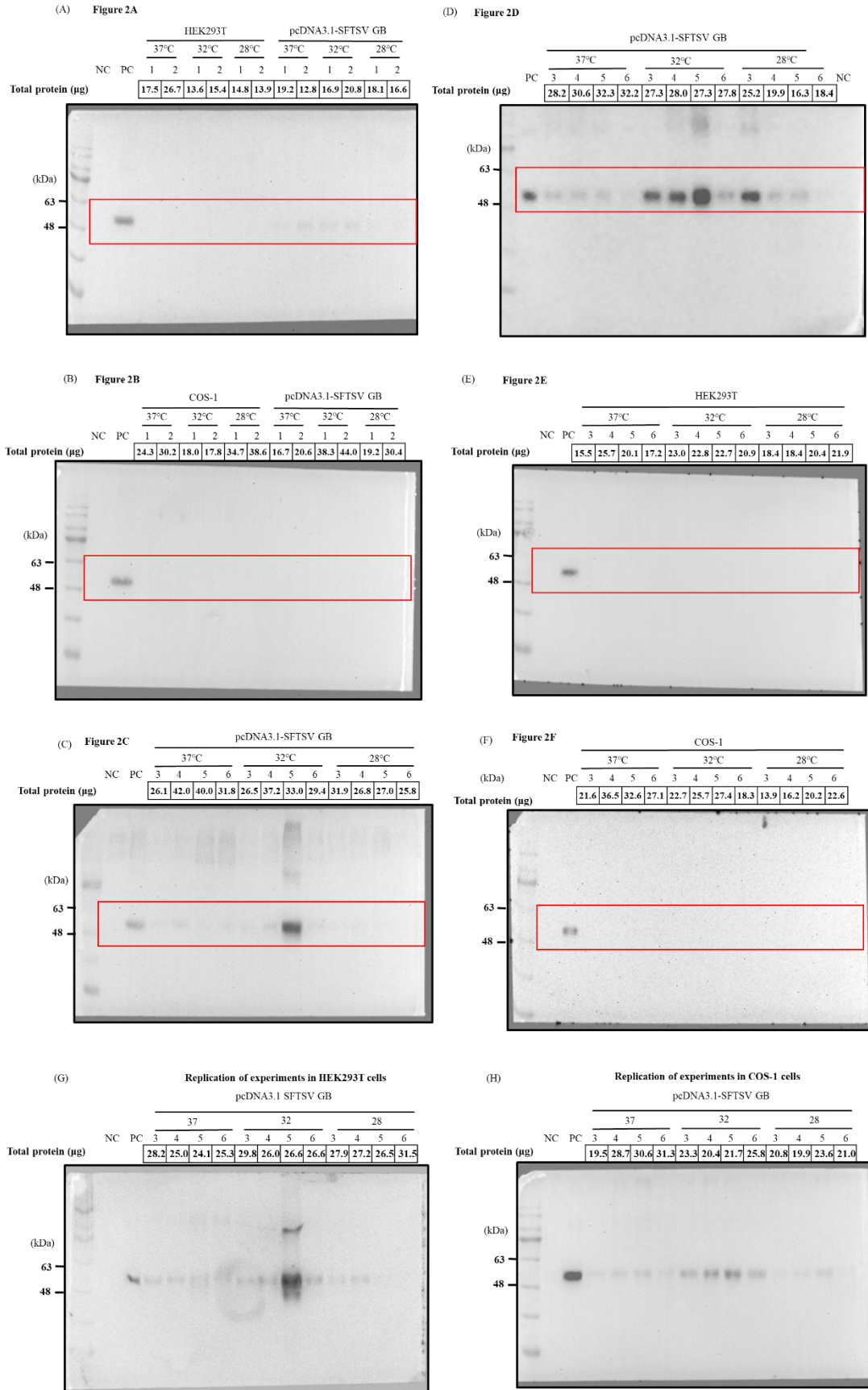


Fig. S3 The original Western blotting of Fig. 2 and replication of experiments. Sections delineated by red rectangular boxes are shown in Fig. 2 (Panels A–F) of the manuscript. Replicated experiments in HEK293T and COS-1 cells are presented in

panels G and H, respectively. The total protein amount (μg) used in each assay is indicated below each corresponding sample. Protein concentrations were quantified using the Thermo Scientific NanoDrop One, with BSA serving as the reference standard.

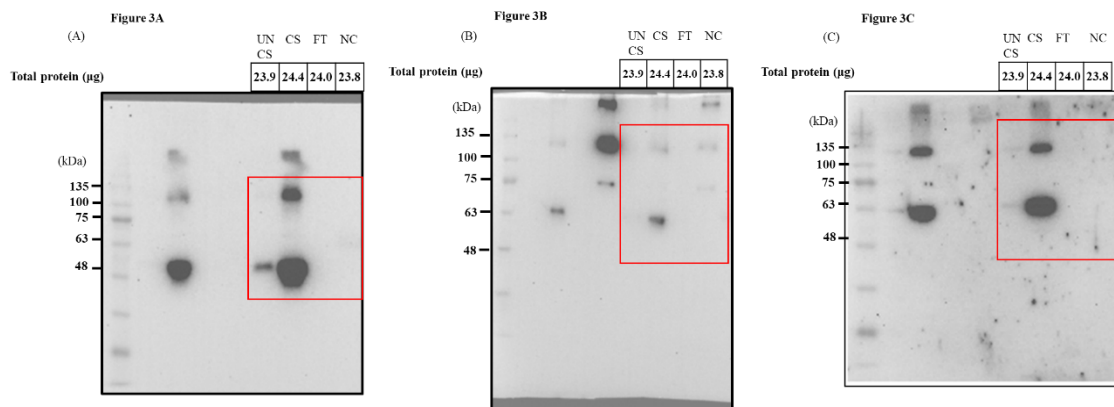


Fig. S4 The original Western blotting of Fig 3. Sections delineated by red rectangular boxes were displayed in the Fig. 3 of the manuscript. The total protein amount (μg) used in each assay was indicated below the corresponding sample. Protein concentrations were quantified using the Thermo Scientific NanoDrop One, with bovine serum albumin (BSA) serving as the reference standard.

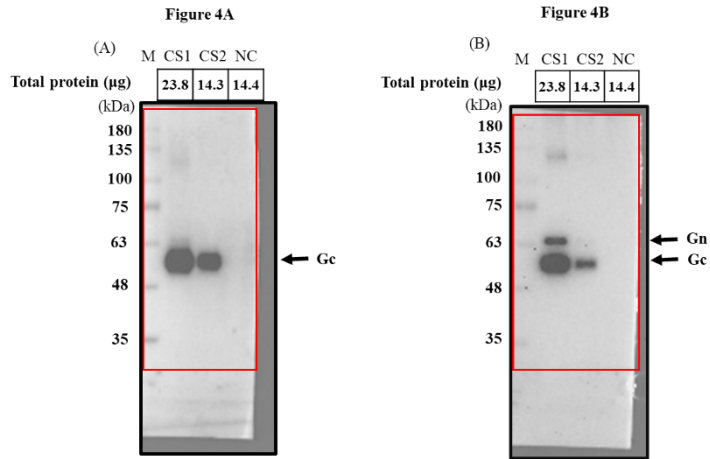


Fig. S5 The original Western blotting of Fig 4. Sections delineated by red rectangular boxes were displayed in the Fig. 4 of the manuscript. The total protein amount (μg) used in each assay was indicated below the corresponding sample. Protein concentrations were quantified using the Thermo Scientific NanoDrop One, with BSA serving as the reference standard.

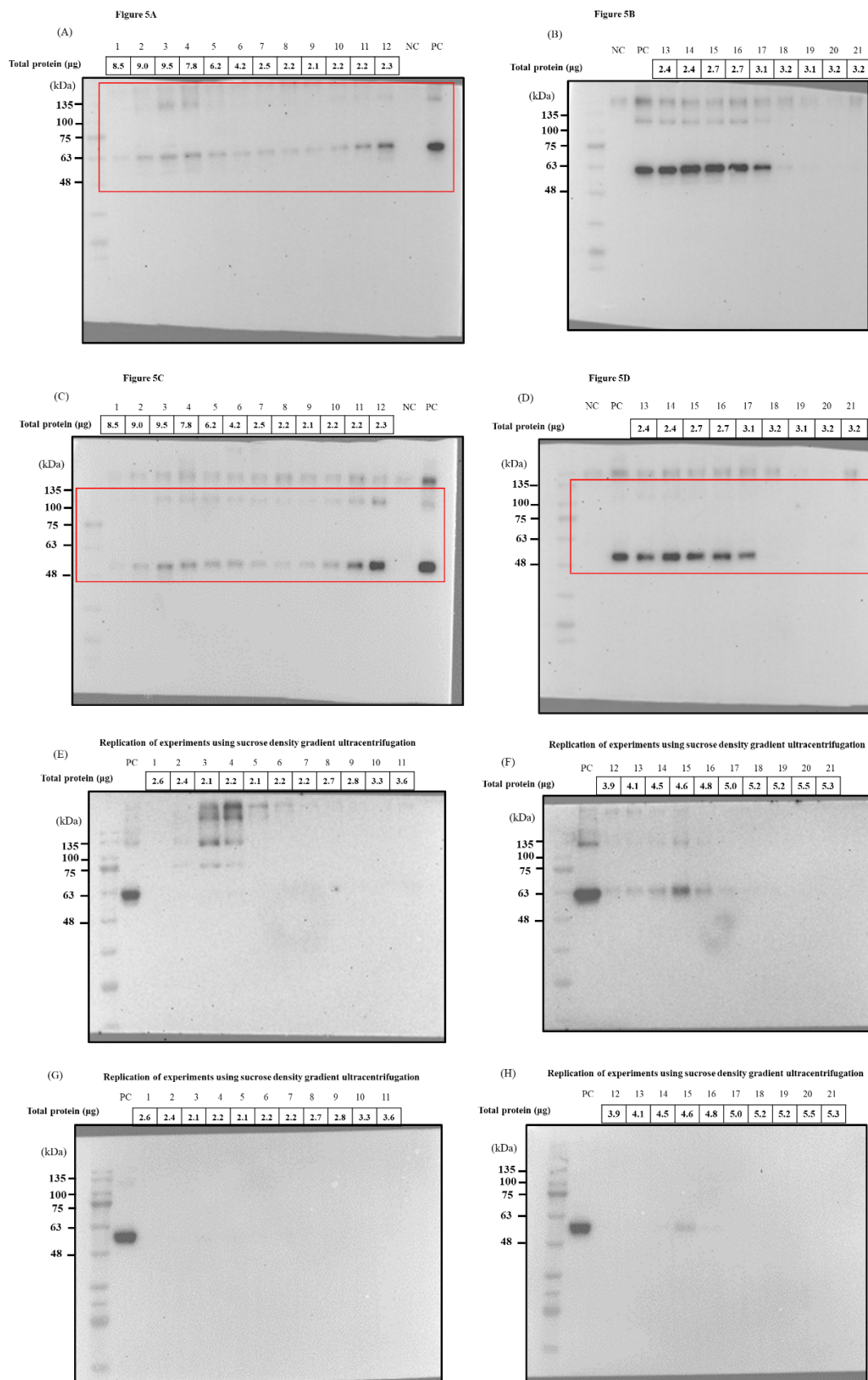


Fig S6. The original Western blotting of Fig 5 and replication of experiments. Sections delineated by red rectangular boxes are shown in Fig. 5 (Panels A–D) of the manuscript. Replicated experiments staining for Gn and Gc proteins are presented in

panels E-F and G-H, respectively. The total protein amount (μg) used in each assay is indicated below each corresponding sample. Protein concentrations were quantified using the Thermo Scientific NanoDrop One, with BSA serving as the reference standard.