

**Cellular microRNA miR-26a suppresses replication of porcine
reproductive and respiratory syndrome virus by activating innate
antiviral immunity**

Xiaojuan Jia ^{1,2,†}, Yuhai Bi ^{2,†}, Jing Li ², Qing Xie ⁴, Hanchun Yang ^{1*}, Wenjun Liu
^{2,3,*}

¹ Key Laboratory of Animal Epidemiology and Zoonosis of Ministry of Agriculture, College of Veterinary Medicine and State Key Laboratory of Agrobiotechnology, China Agricultural University, Beijing 100193, China.

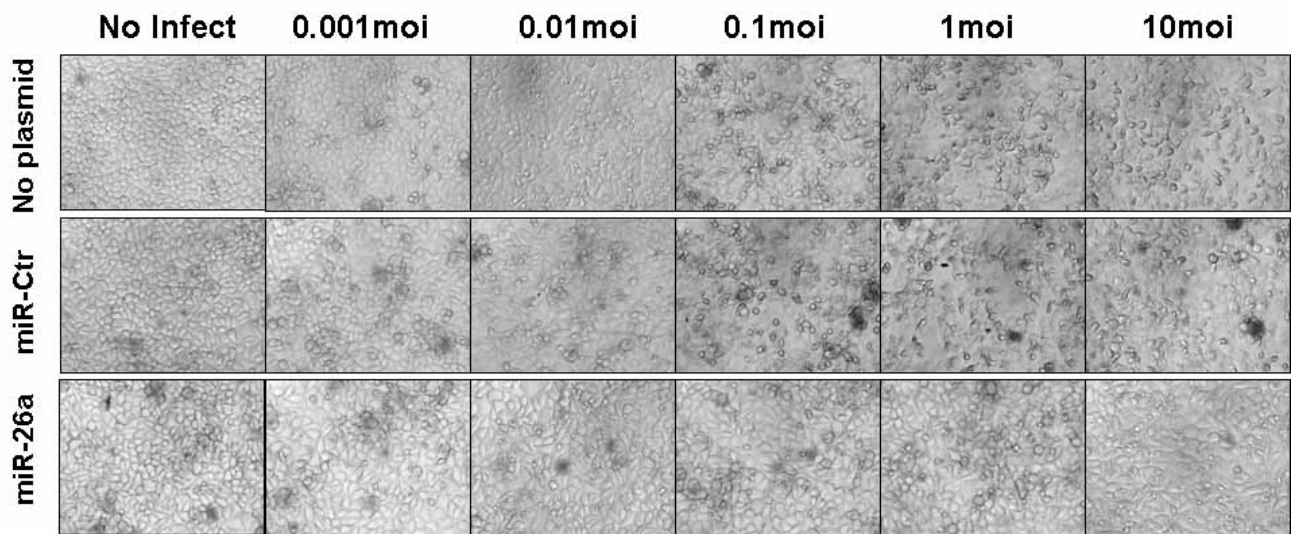
² CAS Key Laboratory of Pathogenic Microbiology and Immunology, Institute of Microbiology, Chinese Academy of Sciences, Beijing 100101, China.

³ University of Chinese Academy of Sciences, Beijing 100101, China.

⁴ Department of Clinical Laboratory, Beijing Shijitan Hospital, Capital Medical University, Beijing 100038, China.

† These authors contributed equally to this work.

*Address correspondence to Wenjun Liu, liuwj@im.ac.cn, or Hanchun Yang, yanghanchun1@cau.edu.cn.



Supplementary Figure S1. miR-26a can inhibit CPE caused by PRRSV in MARC-145 cells.

MARC-145 cells were transfected with 1 μ g plasmid (miR-26a or miR-Ctr) and then infected with PRRSV VR2332 at 24 hpt. At 72 hpi, the cells were examined for the cytopathic effect (CPE).