

Electronic Supplementary Material

The DEAD-Box RNA Helicase DDX1 Interacts with the Viral Protein 3D and Inhibits Foot-And-Mouth Disease Virus Replication

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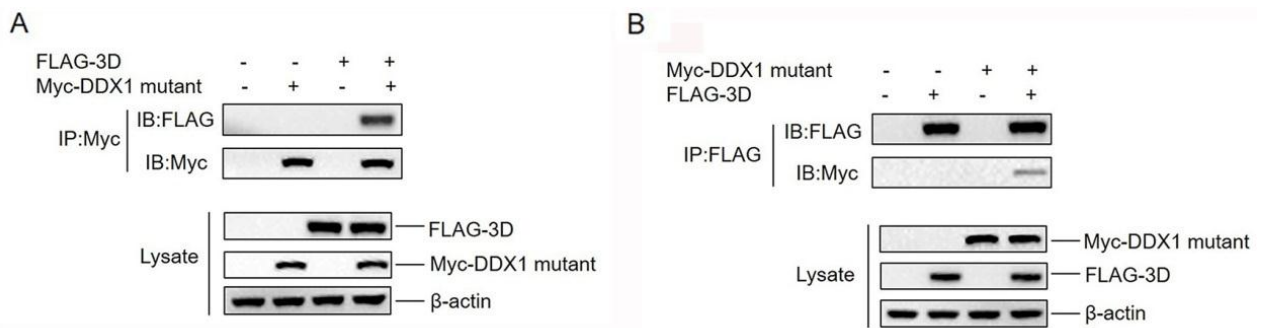


Fig. S1 FMDV 3D interacts with DDX1 DEAD box mutant. (A) HEK-293T cells cultured in 10-cm dishes were transfected with 10 μ g Myc-DDX1 mutant expressing plasmid (+), 8 μ g FLAG-3D-expressing plasmid (+), 8 μ g empty FLAG vector (-), or 10 μ g empty Myc vector (-) for 30 h. The cells were lysed and the lysates were immunoprecipitated with anti-Myc or normal IgG antibody. The whole-cell lysates and IP antibody-antigen complexes were analyzed by immunoblotting using anti-FLAG, anti-Myc, or anti- β -actin antibodies. (B) Similar transfection and IP experiments were carried out as described above. However, the lysates were immunoprecipitated with anti-FLAG antibody.

Table S1 qPCR primers used in this study

Primers	Sequences (5'→3')	Target gene
DDX1-F	GACCAACAGGAAGGCAAAAAA	Porcine <i>DDX1</i> gene
DDX1-R	ACCATCTGACCCAATCGCAA	
IFN-β-F	GCTAACAAGTGCATCCTCCAAA	Porcine <i>IFN-β</i> gene
IFN-β-R	AGCACATCATAGCTCATGGAAAGA	
OAS1-F	AAGCATCAGAAGCTTTGCATCTT	Porcine <i>OAS1</i> gene
OAS1-R	CAGGCCTGGGTTTCTTGAGTT	
ISG54-F	GAAGGCGGCAGAGAATGAAATG	Porcine <i>ISG54</i> gene
ISG54-R	CACACAGAGGCAGGCGAGATAG	
MX1-F	AAGGAGGCGGAAGAAGAAAAGA	Porcine <i>MX1</i> gene
MX1-R	TCAGAGGGATGTGGCTGGAGAT	
FMDV-F	CACTGGTGACAGGCTAAGG	<i>FMDV</i> gene
FMDV-R	CCCTTCTCAGATTCCGAGT	
GAPDH-F	ACATGGCCTCCAAGGAGTAAGA	Porcine <i>GAPDH</i> gene
GAPDH-R	GATCGAGTTGGGGCTGTGACT	