

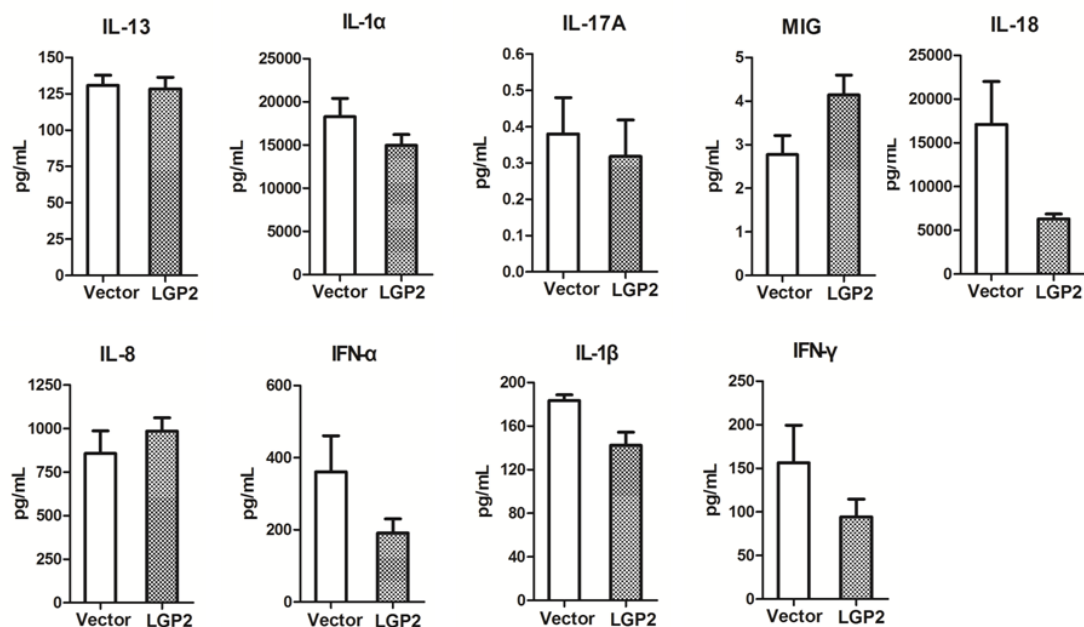
Supplementary Information

Foot-and-mouth disease virus infection inhibits LGP2 protein expression to exaggerate inflammatory response and promote viral replication

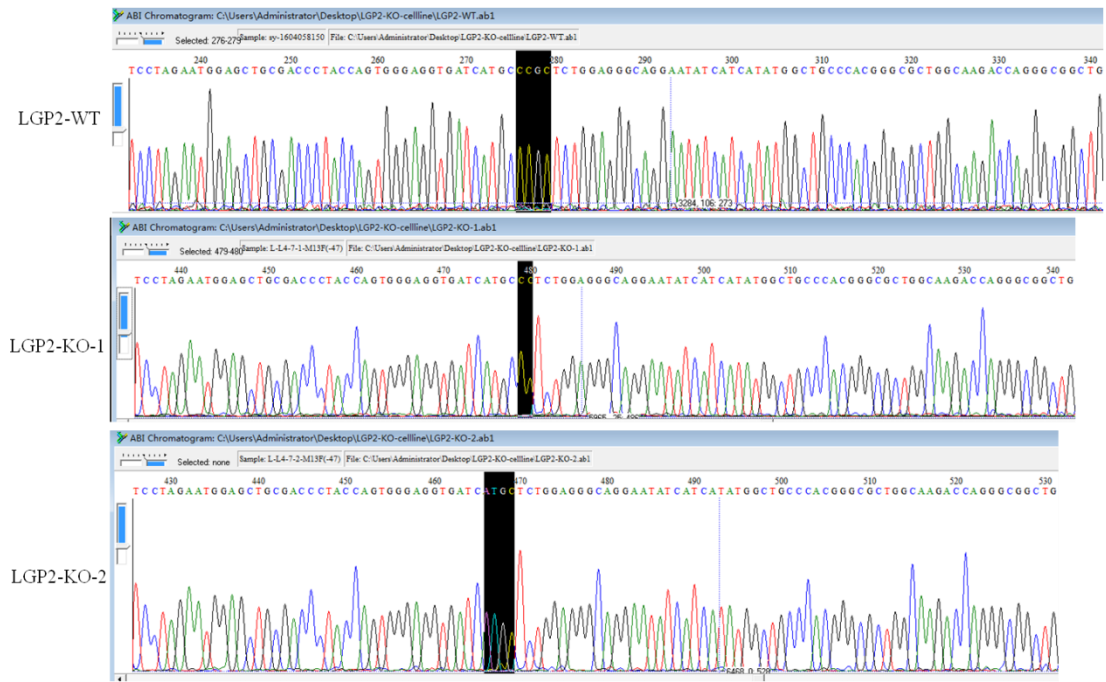
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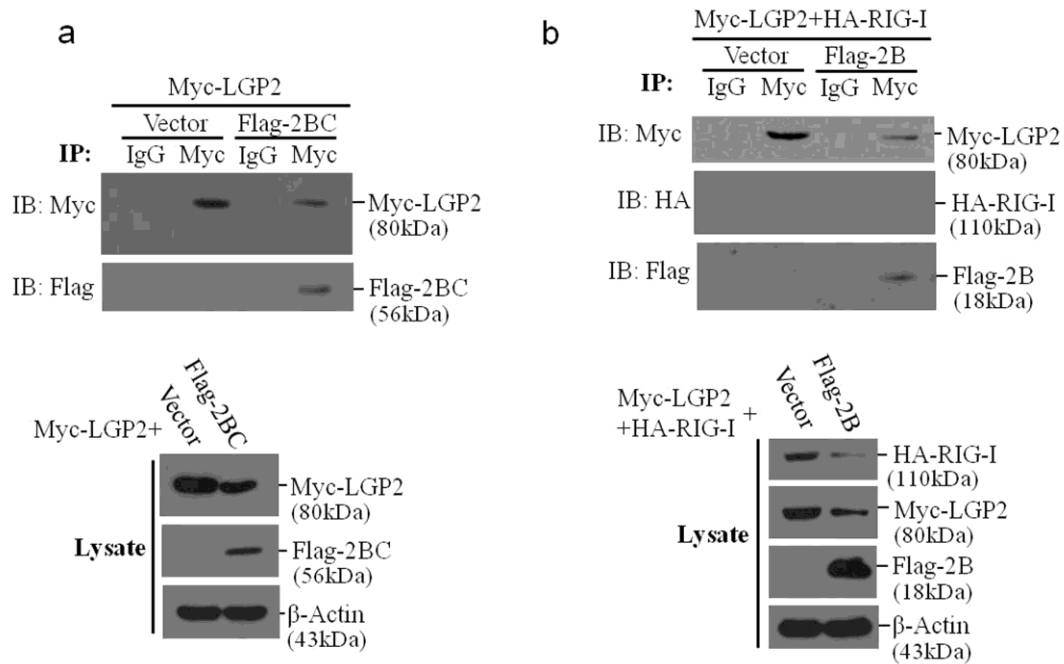
Supplemental Figures



Supplemental Figure 1. Cytokines expression levels that showed no significant changes in LGP2 overexpressing cells compared with vector-transfected cells after FMDV infection.



Supplemental Figure 2. Analysis of the genome editing by Sanger sequencing of the PCR amplicon from the genome of LGP2-WT and LGP2-KO cell lines.



Supplemental Figure 3. Investigation of the interaction of 2BC or RIG-I with LGP2. **(a)** 2BC interacts with LGP2 and induces reduction of LGP2. HEK-293T cells were co-transfected with the Myc-LGP2 and empty vector or Flag-2B plasmids for 36 h. Cell lysates were immunoprecipitated with mouse anti-Myc or mouse normal IgG antibody and subjected to western blotting (upper panel). Whole-cell lysates were also directly detected by western blotting to confirm expression of target proteins (lower panel). **(b)** RIG-I, LGP2 and 2B do not form a interaction complex. HEK-293T cells were co-transfected with the Myc-LGP2 and HA-RIG-I expressing plasmids and empty vector or Flag-2B plasmids for 36 h. Cell lysates were immunoprecipitated with mouse anti-Myc or mouse normal IgG antibody and subjected to western blotting (upper panel). Whole-cell lysates were also directly detected by western blotting to confirm expression of target proteins (lower panel).