

Supplementary information, Fig. S3 Identification of virus-induced lncLrrc55-AS in macrophages via IFN-JAK-STAT pathway. a RT-qPCR analysis of *Isg15* expression in WT and *Ifnar1*<sup>-/-</sup> macrophages treated with IFNα4, IFNβ (500 U/ml) for 8 hours or infected with SeV for 12 hours (**left**), in macrophages pretreated for one hour with Baricitinib (2 μM) or Fludarabine (1 μM) and then infected with SeV or VSV for 12 hours or treated with IFNα4 for 8 hours (**right**). b Prediction of transcription factor binding site analyzed by LASAGNA-Search software in the promoter region (~ -2000bp ~ +100bp from TSS, transcription start site) of *IncLrrc55-AS*. c RT-qPCR analysis of IncLrrc55-AS and *Ifna4*, *Ifnb* mRNA expression, and Western blot analysis of phosphorylated (p-) IRF3 in macrophages infected with SeV for indicated times. Data are shown as mean ± SEM from three independent experiments (**a**, **c**). \*\*\*P < 0.005 (Student's t-test or ANOVA).