

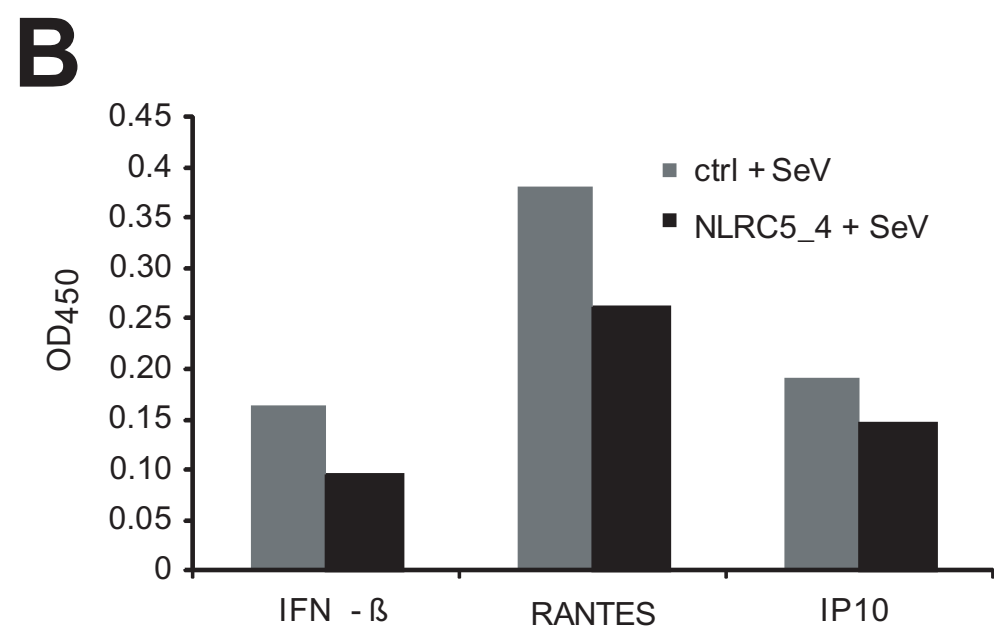
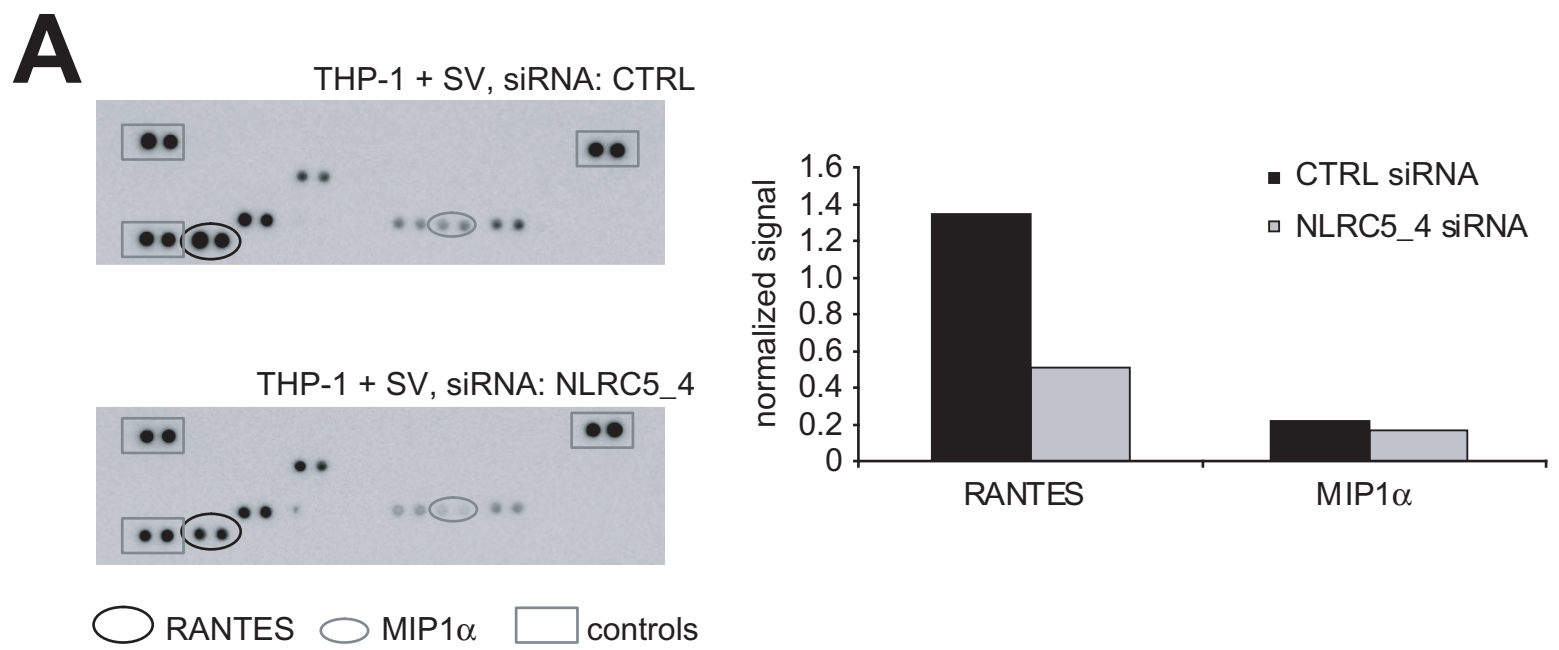
Neerincx et al. supplemental figure legends

Fig.S1. NLRC5 reduces Sendai virus induced cytokine responses. A. Analysis of the cytokine secretion profile after SeV infection of THP-1 cells treated with control siRNA (CTRL) or the NLRC5 specific NLRC5_4 siRNA using a Western-based array. Densitometric quantification of the signals for RANTES and MIP1 α , normalized to the controls are shown in the right panel. B. ELISA of the supernatants from (Fig. 5A) for IFN- β , RANTES and IP-10 protein levels.

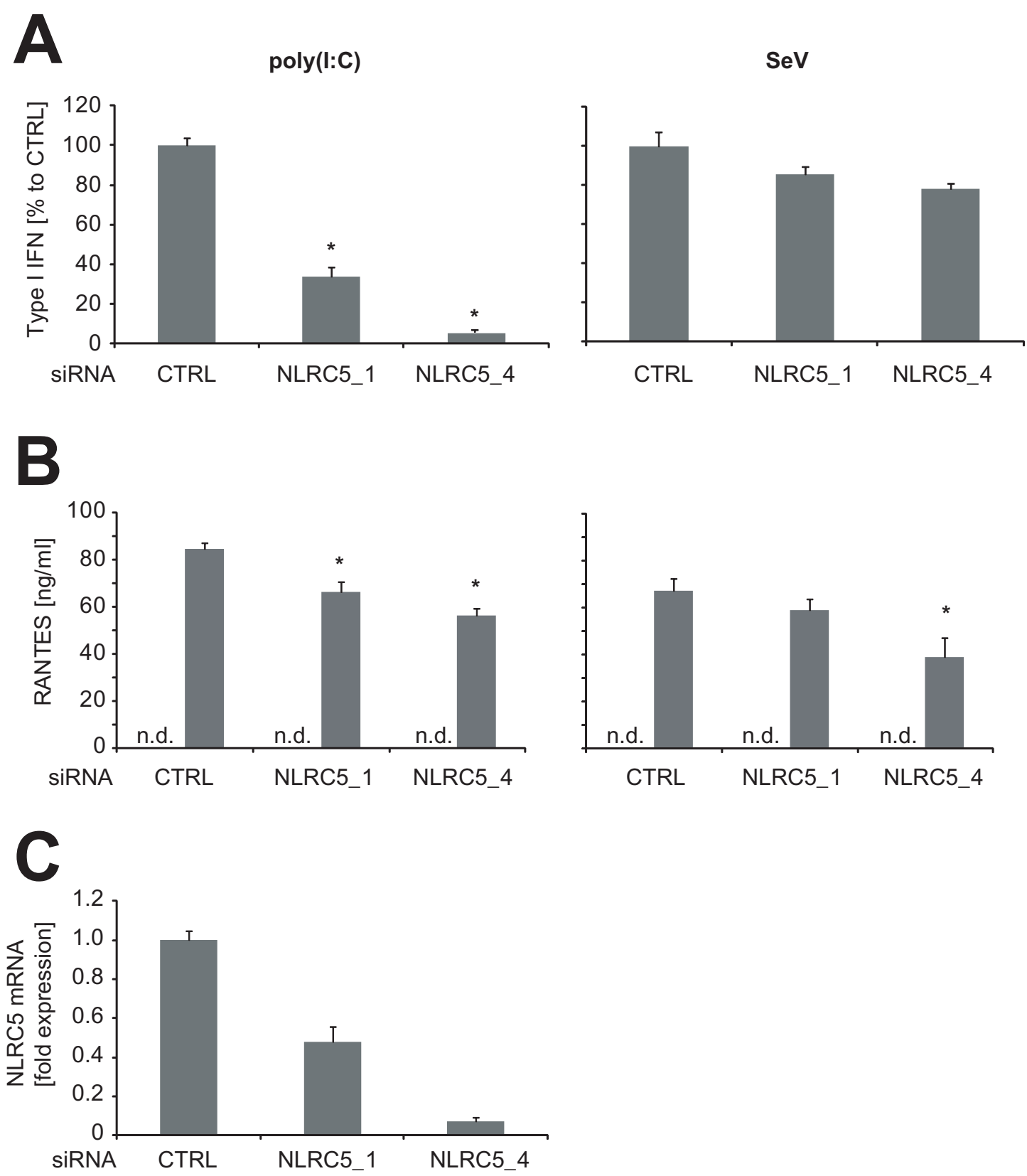
Fig.S2. Analysis of NLRC5 function in primary human dermal fibroblasts. A. Cells from donor 3 were treated with the indicated NLRC5 specific siRNA duplexes (1 and 4) for 72 h and subsequently stimulated with poly(I:C) (left panel) or SeV (right panel). A non-targeting siRNA (CTRL) was used as negative control. Type I interferon secretion was assayed using a type I interferon SEAP reporter cell-line (HEK-Blue IFN α/β) based bioassay. Data is shown relative to CTRL siRNA set to 100 %. B. RANTES cytokine levels measured in the supernatant of cells of (A) after 16 h of induction with poly(I:C) or SeV (gray bars) or mock treatment (white bars). C. Quantitative PCR analysis of NLRC5 mRNA expression in the cells of (A,B) treated with control (CTL) or NLRC5 siRNAs for 72 h. Expression normalized to GAPDH is shown. n.d.: not detectable.

Fig.S3. NLRC5 over-expression negatively influences type I interferon reporter activation in HEK293T cells. A. Effect of NLRC5 on signalling responses in HEK293T cells. The indicated amounts of FLAG-NLRC5 were co-transfected along with a NF- κ B responsive reporter plasmid in 96-well plates and cells were treated with 100 ng/ml TNF (upper panel). Alternatively, an IFN- β luciferase reporter construct was transfected and activated by TBK1 over-expression (middle panel) or Sendai virus (lower panel), respectively. Normalized relative light units (RLU) of triplicate measurements, + S.D., representative of three independent experiments are shown.

Neerincx et al. , Figure S1:



Neerincx et al. , Figure S2:



Neerincx et al. , Figure S3:

