

**Supplementary File:**

**The AIM2 inflammasome is essential for host-defense against cytosolic  
bacteria and DNA viruses.**

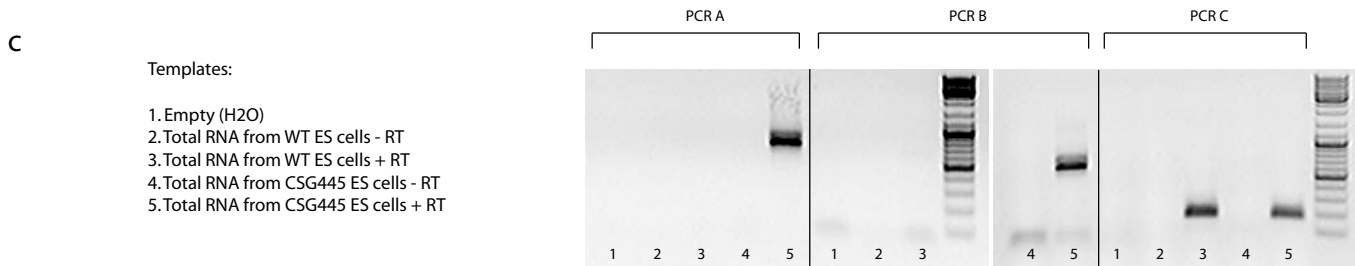
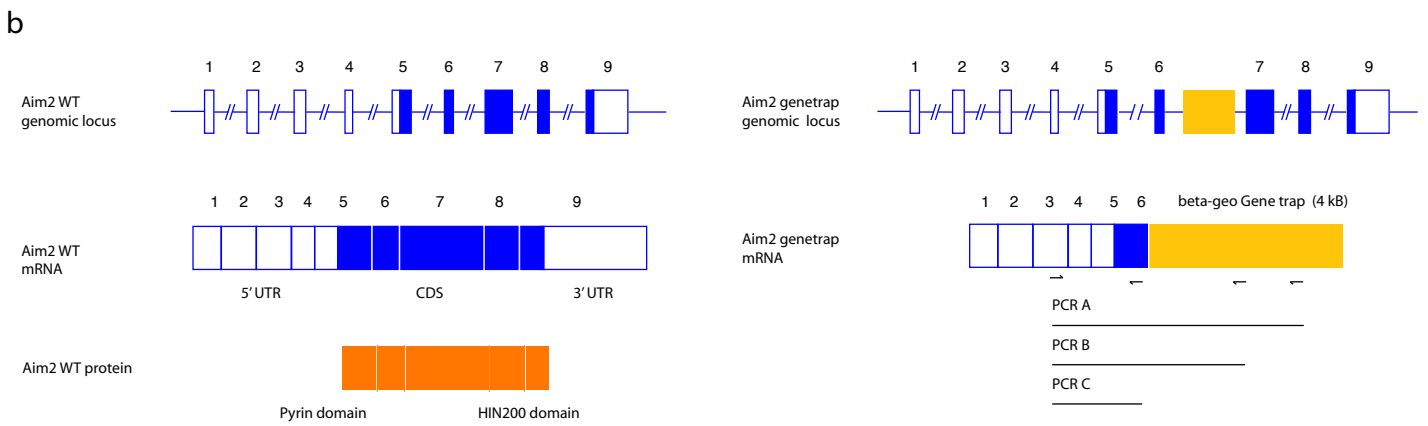
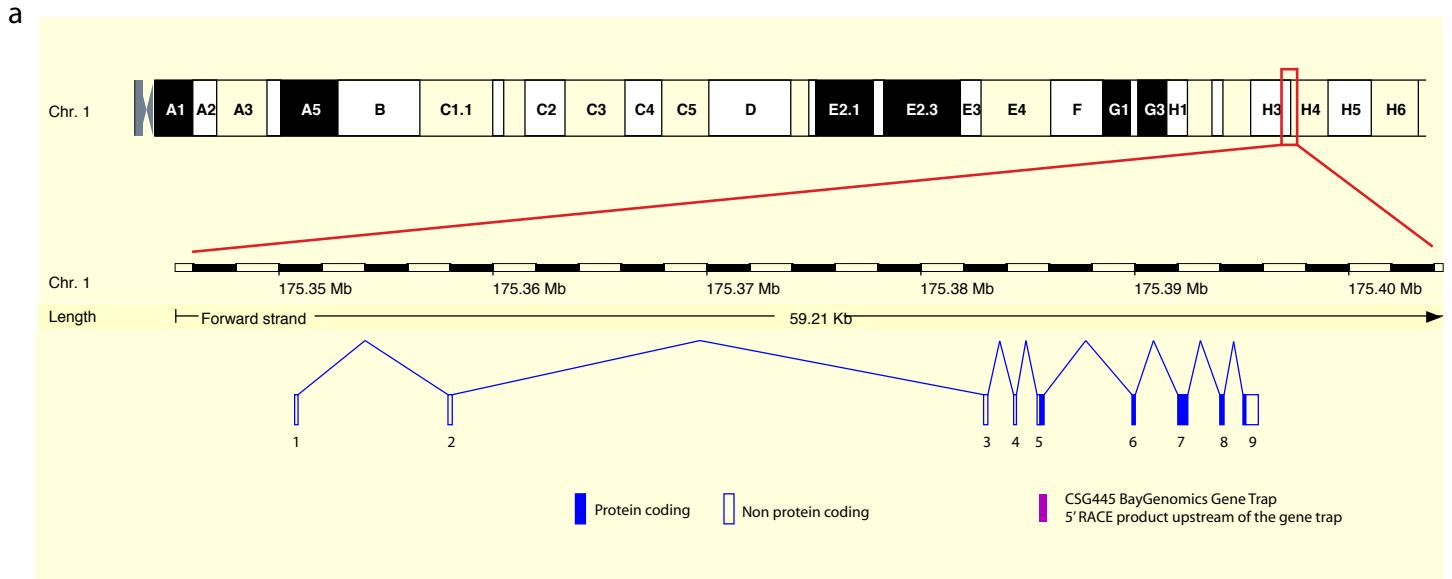
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## Supplemental figure legends.

**Supplemental Fig. 1. *Aim2* genomic locus and gene trap genomic locus.** a, The organization of the genomic locus of *Aim2* and the CSG445 Gene Trap locus is shown. B, Schematic of the *Aim2* and *Aim2* genetrapped genomic locus, mRNA and protein showing the position of RT-PCR results used in (c). RT-PCR analysis of ES cell line showing integration of vector.

**Supplemental Fig. 1. Site of integration of pGT0lxf vector in *Aim2* gDNA.** Long range PCR followed by DNA sequencing led to the identification of the genetrapped integration site within intron 6 of *Aim2* as shown.

**Supplemental Fig. 1. Analysis of splenic NK cells in MCMV infected mice.** (a) Gating strategy for NK cell analysis in a representative *Aim2*<sup>+/+</sup> mouse. Doublet events were excluded by gating based on FSC-A and FSC-W. Live lymphocyte populations were determined based on FSC-A and SSC-A. CD3-negative cells were gated and analyzed for expression of the NK cell markers NKp46 and NK1.1. (b) Expression levels of NK1.1, Ly49H, and NKp46 were compared on gated NK cells in C57BL/6 (top plots, shaded histogram), *Asc*<sup>-/-</sup> (top plots, line histogram), *Aim2*<sup>+/+</sup> (bottom plots, shaded histogram), and *Aim2*<sup>-/-</sup> (bottom plots, line histogram) spleens. Representative overlay histograms are shown. (c) The proportions and MFI of Ly49H expression on splenic NK cells for individual mice (n = 4/group) are plotted. *P* values were determined by unpaired two-tailed Student's *T* test.



Supplemental Figure 1

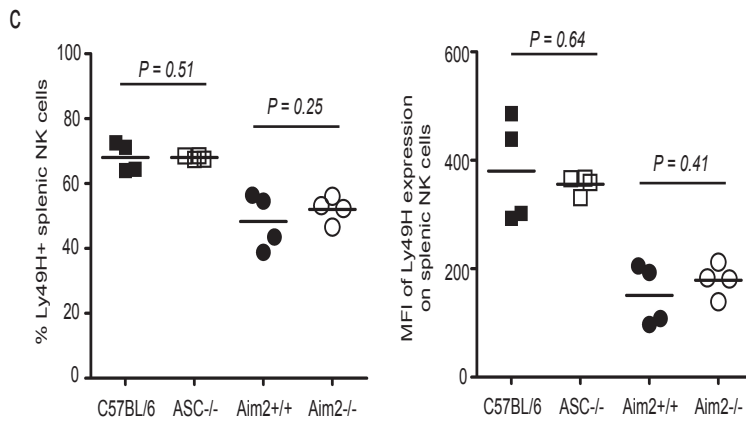
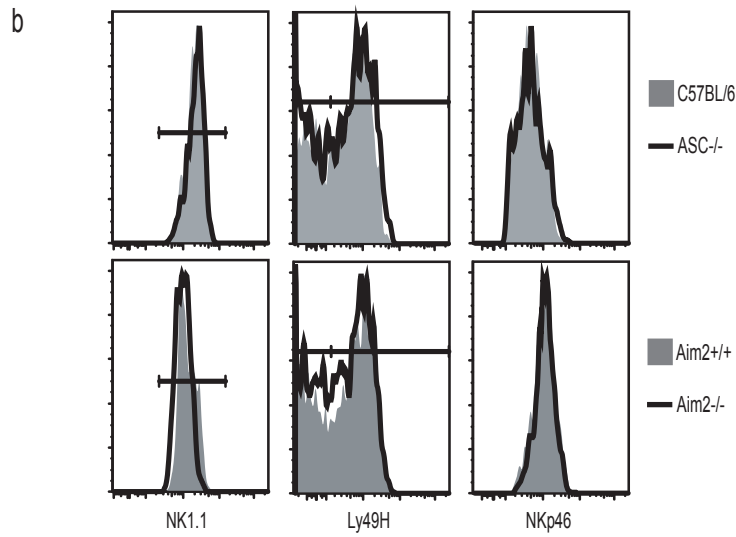
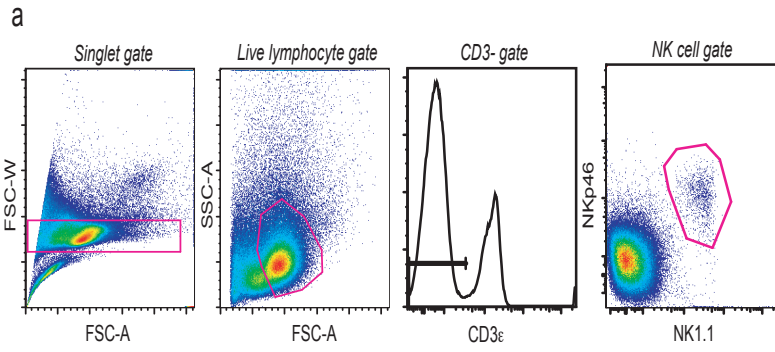
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Exon 6

Genetrap integration site

Exon 7

Supplemental Figure 2



Supplemental Figure 3