

Supplemental Material

Supplemental Figure 1. IFN- γ deficiency causes premature aortic rupture and death

Representative necropsy of *ApoE*^{-/-}/*Ifng*^{-/-} mouse. Arrow indicates retroperitoneal hematoma.

Supplemental Figure 2. IFN- γ deficiency did not alter aortic medial structure

Measurements of (A) aortic medial area and (B) aortic medial thickness are displayed as means and SEMs from age-matched *ApoE*^{-/-}/*Ifng*^{+/+} (open boxes) and *ApoE*^{-/-}/*Ifng*^{-/-} (closed boxes) mice (n = 10 mice/group). Data were analyzed by Student's *t* test. No significant differences were determined between the groups.

Supplemental Figure 3. CXCL10 deficiency causes premature aortic rupture and death

Representative necropsy of *ApoE*^{-/-}/*Cxcl10*^{-/-} mouse. Arrows indicate thoracic and retroperitoneal hematomas with adjacent aneurysms.

Supplemental Figure 4. CXCL10 deficiency attenuates AngII-induced T cell infiltration into the vascular wall

Thy 1.2 immunostaining analysis of aneurysms from *ApoE*^{-/-}/*Cxcl10*^{+/+} or *ApoE*^{-/-}/*Cxcl10*^{-/-} mice infused with AngII (1000 ng·kg⁻¹·min⁻¹) or saline for 28 days.

Supplemental Table 1

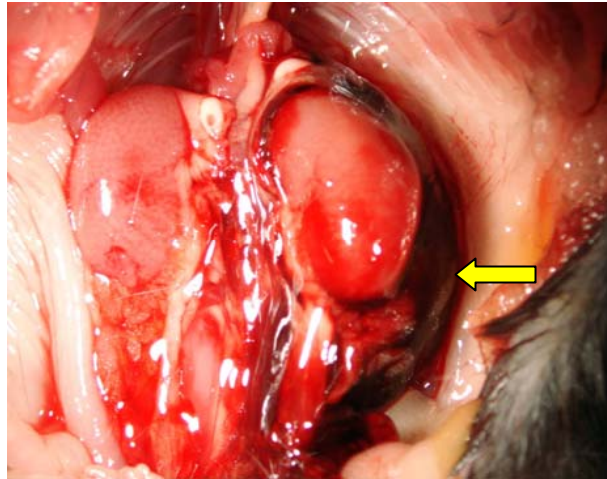
Table 1. Analysis of Aortic Ring Contractility in *Ifng*^{+/+} and *Ifng*^{-/-} Mice.

IFN- γ Genotype	Agonist	Log EC ₅₀
+/+	PE	2.032 \pm 0.055
	KCl	0.580 \pm 0.053
-/-	PE	2.076 \pm 0.055
	KCl	0.622 \pm 0.089

Data represent means \pm SEM.

SUPPLEMENTAL MATERIAL

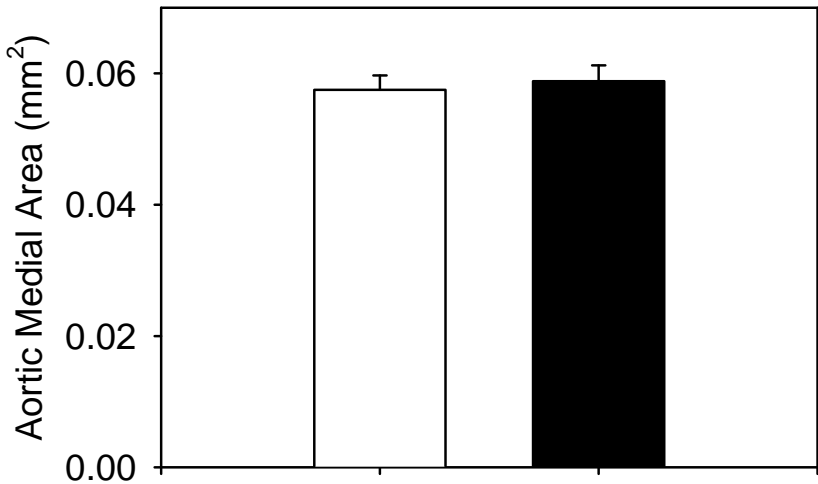
Supplemental Figure 1



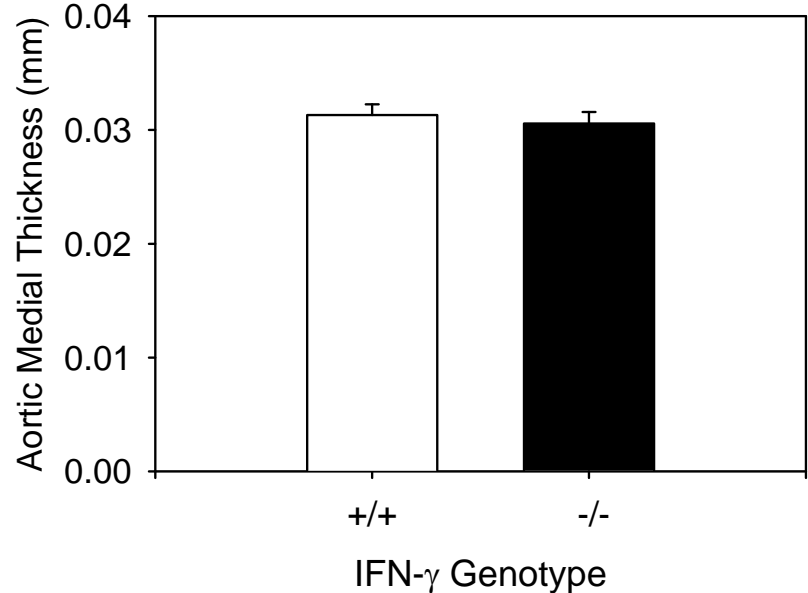
Ifng^{-/-}

Supplemental Figure 2

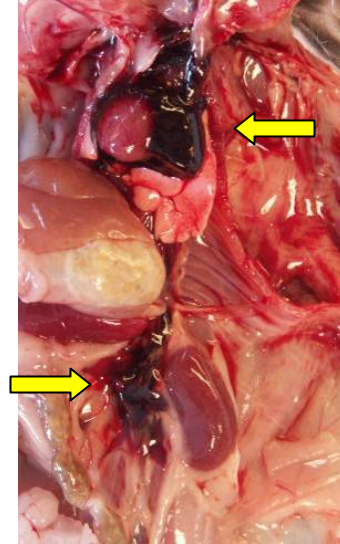
A



B



Supplemental Figure 3



***Cxcl10*^{-/-}**

Supplemental Figure 4

Cxcl10^{+/+}

Cxcl10^{-/-}

Thy-1.2

