SUPPLEMENTARY FIGURE LEGENDS

Supplementary Figure 1. No Correlation Between Weights and Lesion Burden in LDLr-/-TRIF$^{LPS2/LPS2}$ Male Mice. Possible relationships between the weights and lesion burden in hearts and aortae of LDLr-/- or LDLr-/-TRIF$^{LPS2/LPS2}$ male mice following 12 and 15 weeks of HFD feeding were explored using Sigma Plot (Version 8.0). No coefficient of determination (R^2) greater than 0.4 was found in any relationship, indicating there was no correlation between weights and lesion burden.

Supplementary Figure 2. Necrosis in Heart Sinus Valve Lesion of Hyperlipidemic LDLr-/- and LDLr-/-TRIF$^{LPS2/LPS2}$ Mice. Cohorts of age-matched males were fed HFD for 12 weeks. Lesional data and CD68+ staining from these hearts are shown in Figures 3 and 4, respectively. Sections near the median of the volumetric analysis from hearts stained with Oil Red O were selected for analysis of necrosis and morphometric lesion analysis by H&E staining.

Supplementary Figure 3. IL-12/IL-23p40 ELISA of Plasma from LDLr-/-TLR3-/- Mice. Groups of chow-fed male LDLr-/- or LDLr-/-TLR3-/- mice were i.p. injected with saline (n=4) or 20 μg poly(I:C) (n=8) (TLR3 agonist). Plasma was collected at 4 hours post-injection and plasma IL-12/IL-23p40 was measured by ELISA.

173x245mm (300 x 300 DPI)

Supplementary Table 1.

Weights and Total Plasma Cholesterol (TPC) of LDLr-/-TRIF$^{LPS2/LPS2}$ Males

Weeks HFD	0		6		12		15	
Genotype	Weight (g)	TPC (mg/dl)	*Weight (g)	TPC (mg/dl)	*Weight (g)	TPC (mg/dl)	*Weight (g)	TPC (mg/dl)
LDLr-/-	20.3 ±0.4	247 ±7	28.2 ±0.4	1074 ±64	33.6 ±0.9	1432 ±107	35.8 ±0.6	1854 ±79
LDLr-/- TRIF*/*	19.9 ±0.4	251 ±10	26.8 ±0.5	970 ±52	29.2 ±0.8	1608 ±105	30.9 ±1.5	1964 ±302

Values are mean ± S.E. in each group (n=10).
*p<0.01.

186x141mm (300 x 300 DPI)

Supplementary Table 2.

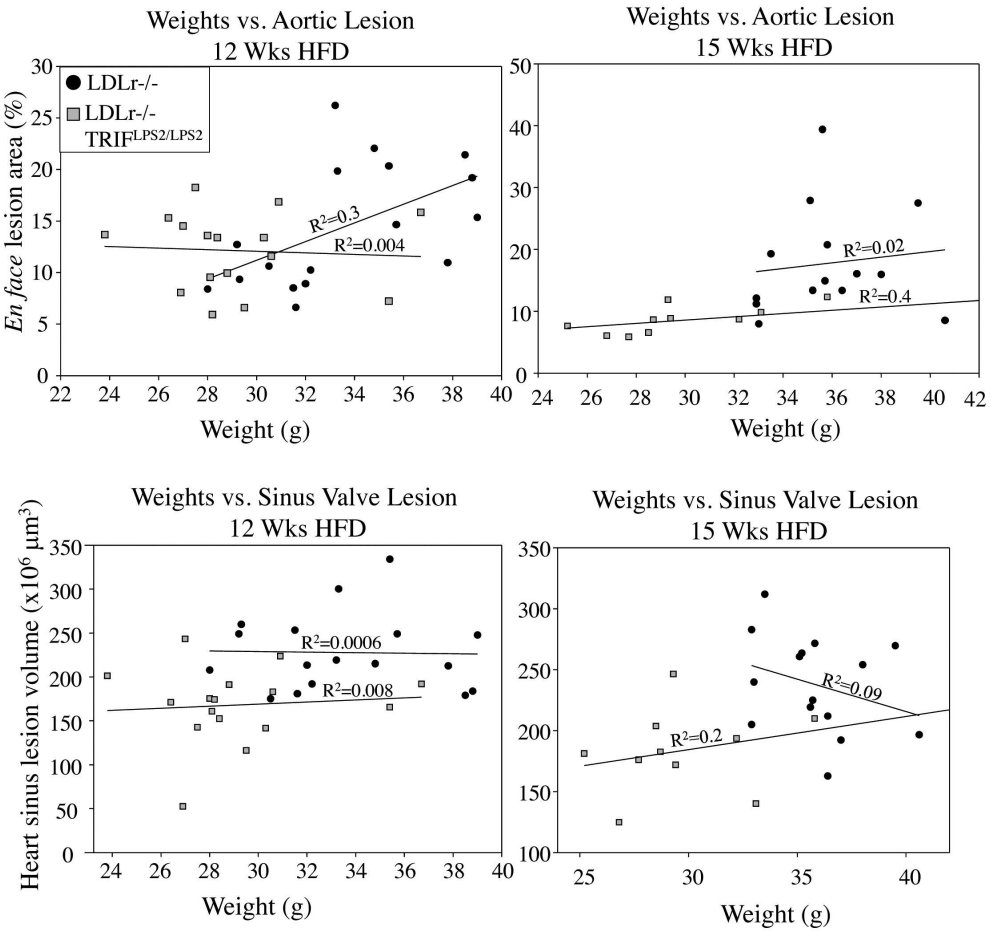
Weights and Total Plasma Cholesterol (TPC) of LDLr-/-TLR3-/- Males

Weeks HFD	0		6		10		14	
Genotype	Weight (g)	TPC (mg/dl)	Weight (g)	TPC (mg/dl)	Weight (g)	*TPC (mg/dl)	Weight (g)	TPC (mg/dl)
LDLr-/-	21.2 ±0.2	241 ±5	27.0 ±0.5	1258 ±39	29.9 ±0.7	1168 ±51	33.7 ±1.3	1165 ±98
LDLr-/- TLR3-/-	21.5 ±0.5	229 ±7	27.2 ±0.7	1202 ±52	29.5 ±0.6	998 ±65	29.7 ±1.6	1106 ±52

Values are mean ± S.E. in each group (n=10).
*p<0.05.

190x138mm (300 x 300 DPI)

Supplementary Figure 1.



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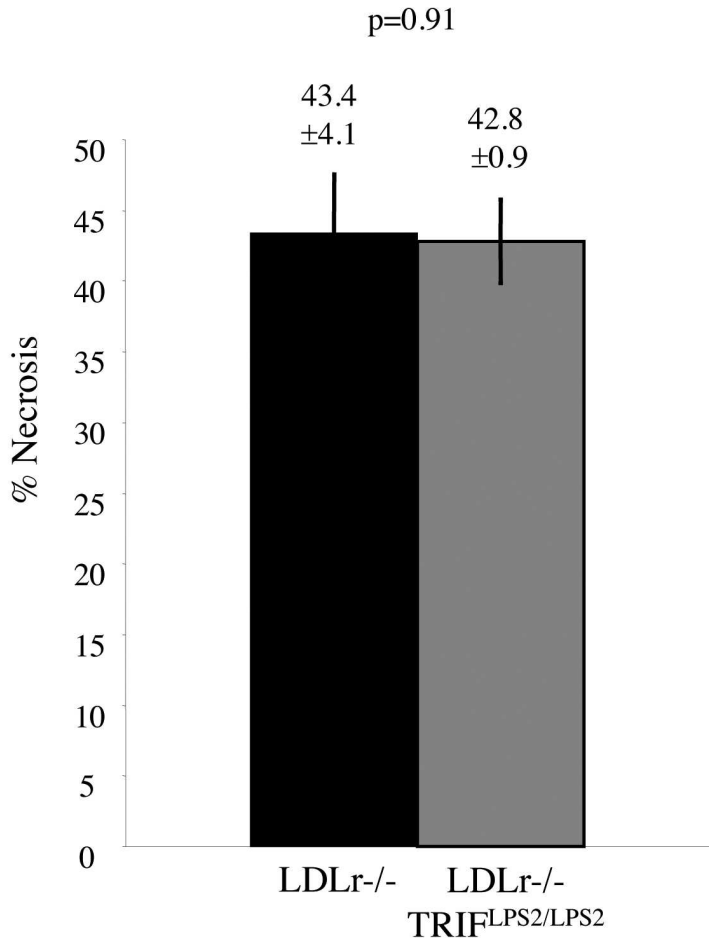
190x196mm (300 x 300 DPI)

Supplementary Figure 2.



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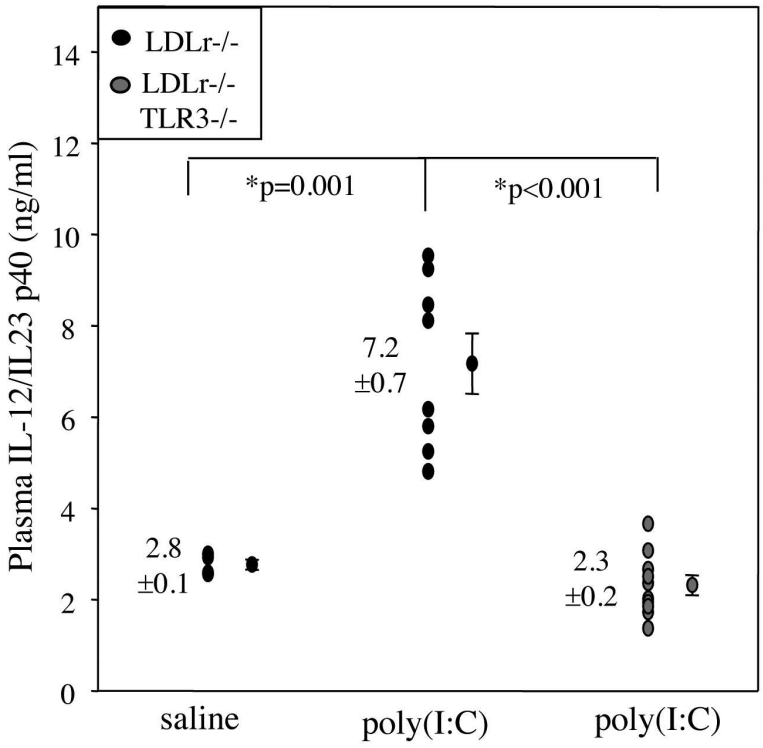
133x152mm (300 x 300 DPI)

Supplementary Figure 3.



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144x133mm (300 x 300 DPI)