

Table 1

Body weight, blood glucose, and lipids of ND and HFD mice

	ND	HFD
Weight (g)	26 ± 0.5	36 ± 1.5 *
Fasting Blood Glucose (mg/dL)	91 ± 6	143 ± 7 **
Total Cholesterol (mg/dL)	67 ± 6	98 ± 2 *
Triglycerides (mg/dL)	53 ± 7	63 ± 6

*All measurements were taken after 12 weeks on either a 10% (ND) or 60% (HFD) fat diet. Results are expressed as mean ± SEM, n=6-8/phenotype (*p=0.002, **p=0.0005, ND vs HFD).*

Table 2

Basal Serum Cytokines of ND and HFD mice

	ND	HFD
IL-1 β (pg/mL)	72.05 \pm 9.71	58.76 \pm 10.29
IL-6 (pg/mL)	97.26 \pm 8.81	50.98 \pm 12.24*
TNF- α (pg/mL)	285.30 \pm 46.69	241.21 \pm 28.68
IL-12 (p40) (pg/mL)	148.56 \pm 11.65	125.39 \pm 7.99
IL-12 (p70) (pg/mL)	80.82 \pm 5.56	63.16 \pm 10.68
INF- γ (pg/mL)	30.14 \pm 7.74	24.01 \pm 4.10
IL-1RA (pg/mL)	10.4 \pm 7.3	112.65 \pm 38.01**
IL-4 (pg/mL)	13.05 \pm 0.84	9.96 \pm 1.80
IL-10 (pg/mL)	158.71 \pm 9.17	122.37 \pm 21.47
IL-13 (pg/mL)	201.85 \pm 57.38	166.18 \pm 23.64
Leptin (pg/mL)	5214.83 \pm 543.10	7215.35 \pm 69.61***

All measurements were taken after 12 weeks on either a 10% (ND) or 60% (HFD) fat diet. Results are expressed as mean \pm SEM, n=4-5/phenotype (*p<0.05, **p<0.005, ***p<0.00005 ND vs HFD).

Table 3

Basal White Adipose Tissue Cytokines of ND and HFD mice

	ND	HFD
IL-1RA (ΔmRNA)		
Perigonadal	1.07 \pm 0.37	41.43 \pm 7.78**
Subcutaneous	1.78 \pm 0.64	4.12 \pm 0.71
Perirenal	1.50 \pm 0.93	142.30 \pm 39.56*
Mesenteric	1.46 \pm 0.6	1.03 \pm 0.27
IL-1R2 (ΔmRNA)		
Perigonadal	1.03 \pm 0.20	2.88 \pm 0.36#
Subcutaneous	0.80 \pm 0.37	0.39 \pm 0.18
Perirenal	0.45 \pm 0.17	4.78 \pm 1.31*
Mesenteric	1.08 \pm 0.22	0.83 \pm 0.17
IL-1α (ΔmRNA)		
Perigonadal	0.97 \pm 0.09	1.08 \pm 0.39
Subcutaneous	1.15 \pm 0.51	0.25 \pm 0.08
Perirenal	1.67 \pm 0.71	22.23 \pm 7.02#
Mesenteric	1.09 \pm 0.55	189.13 \pm 53.72#
IL-1β (ΔmRNA)		
Perigonadal	1.03 \pm 0.76	1.76 \pm 0.78
Subcutaneous	1.19 \pm 0.41	0.24 \pm 0.09
Perirenal	1.81 \pm 0.65	3.64 \pm 0.9
Mesenteric	1.16 \pm 0.57	133.42 \pm 22.38##

All measurements were taken after 12 weeks on either a 10% (ND) or 60% (HFD) fat diet. Results are expressed as relative change in target mRNA to GAPDH (Δ mRNA) and as mean \pm SEM, n=6-8/phenotype (*p=0.01, **p=0.002, #p=0.004, ###p=0.0004 ND vs HFD).