

**Supplementary Table 1.** Serum hormones, adipokines, and cytokines in C57BL/6 mice

Analyte	Control	DIO	p-value
Insulin (ng/mL)	1.04 (0.49)	2.09 (0.66)	0.006
IGF-1 (ng/mL)	69.7 (12.1)	85.6 (4.87)	0.004
Leptin (ng/mL)	1.87 (1.20)	22.5 (5.66)	<0.001
Adiponectin ( $\mu$ g/mL)	20.0 (4.18)	24.5 (2.49)	0.02
Resistin (ng/mL)	75.1 (18.4)	165 (35.4)	<0.001
PAI-1 (ng/mL)	1.41 (0.37)	1.33 (0.34)	0.68
GIP (pg/mL)	50.4 (5.72)	87.3 (17.4)	<0.001
GLP-1 (pg/mL)	45.1 (30.5)	60.6 (17.9)	0.27
IL-1 $\beta$ (pg/mL)	236 (67.2)	306 (21.7)	0.02
IL-6 (pg/mL)	9.00 (3.04)	15.5 (6.50)	0.03
IL-10 (pg/mL)	113 (38.6)	163 (38.9)	0.03
IL-17A (ng/mL)	137 (74.0)	304 (154)	0.02
IFN $\gamma$ (pg/mL)	39.8 (17.3)	66.5 (23.1)	0.007
GM-CSF (pg/mL)	88.4 (21.7)	122 (31.5)	0.006
MCP-1 (pg/mL)	268 (52.0)	351 (41.3)	0.002
TNF $\alpha$ (ng/mL)	1.38 (0.59)	2.39 (0.90)	0.002

Multiplex immunoassay analyses performed on serum collected at euthanization from mice maintained on control (n=110) or DIO (n=92) diet regimens for 14 weeks; serum from mice in each diet group was randomly combined into 8 separate pools and analyzed. Standard deviations shown in parentheses. Abbreviations: IGF-1, insulin-like growth factor; PAI-1, plasminogen activator inhibitor-1; GIP, gastric inhibitory polypeptide; GLP-1, glucagon-like peptide-1; IL-1 $\beta$ , interleukin 1 beta; IL-6, interleukin 6; IL-10, interleukin 10; IL-17A, interleukin 17A; IFN $\gamma$ , interferon gamma; GM-CSF, granulocyte macrophage colony-stimulating factor; MCP-1, macrophage chemoattractant protein-1; TNF $\alpha$ , tumor necrosis factor alpha.