

Supplemental Table S2. Metabolic Parameters in ND-Fed Rats versus HFD-Fed Rats

Parameter	ND week 12	HFD week 12	<i>P</i> value	ND week 28	HFD week 28	<i>P</i> value
Anthropometry						
Body weight, g	417.49±5.90	596.30±14.72	<0.0001	574.48±7.62	824.09±27.86	<0.0001
Visceral fat weight, g	-	-	-	24.43±1.88	75.43±3.27	<0.0001
Whole-body substrate oxidation during vigorous exercise						
FAO, mg/kg/min	23.90±0.31	15.84±0.83	<0.0001	17.96±1.27	11.96±0.85	0.0028
CHOO, mg/kg/min	24.44±2.29	12.64±0.84	0.0007	18.79±1.86	6.21±0.36	<0.0001
Metabolic parameters						
Glucose, mg/dL	153.61±5.69	188.66±8.38	0.0061	175.96±5.43	185.36±5.24	NS
Insulin, mU/mL	4.65±0.57	7.03±0.91	0.0445	7.28±1.34	11.64±1.27	0.0448
HOMA-IR	1.58±0.30	3.03±0.45	0.0189	3.29±0.63	5.36±0.56	0.0391
Triglyceride, mg/dL	62.57±7.37	64.13±3.11	NS	86.59±13.99	135.00±10.26	0.0235
Total cholesterol, mg/dL	59.79±4.01	92.07±6.51	0.0022	87.13±3.39	117.65±2.69	<0.0001
HDL, mg/dL	31.28±0.95	20.48±2.04	0.0007	34.08±1.46	24.02±2.29	0.0039
Calculated LDL, mg/dL	31.36±3.04	57.67±5.56	0.0002	30.89±2.84	67.80±4.66	<0.0001
HDL/non-HDL ratio	0.84±0.07	0.38±0.05	0.0002	0.61±0.03	0.27±0.03	<0.0001

Values are expressed as mean ± standard error of the mean (*n*=8 per group). Week 12, baseline; Week 28, follow-up.

ND, normal diet-fed rats; HFD, high-fat diet-fed rats; FAO, fatty acid oxidation rate; CHOO, carbohydrate oxidation rate; NS, no significance; HOMA-IR, homeostatic model assessment for insulin resistance; HDL, high density lipoprotein; LDL, low density lipoprotein.