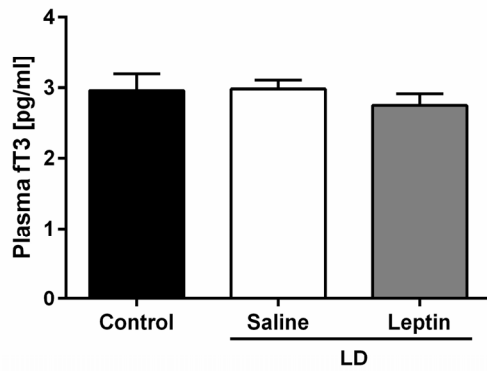
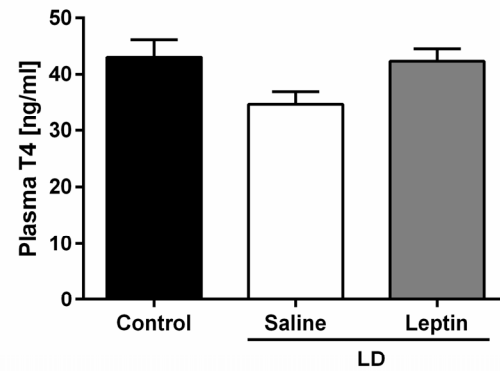


(a)



(b)



**Supplementary Figure S1.** Effects of chronic leptin treatment on circulating thyroid hormones in LD mice. Circulating (a) free triiodothyronine (fT3) and (b) thyroxine (T4) determined by ELISA of control mice, saline-treated LD mice, and 3.0 mg/kg BW/day leptin-treated mice. Data are presented as mean  $\pm$  SEM and represent N = 8 per group.

<b>Gene</b>	<b>Forward sequence</b>	<b>Reverse sequence</b>
<i>36b4</i>	AAGCGCGTCCTGGCATTGTCT	CCGCAGGGGCAGCAGTGGT
<i>Cidea</i>	GCCGTGTTAAGGAATCTGCTG	TGCTCTTCTGTATCGCCCAGT
<i>Dio2</i>	CAGTGTGGTGCACGTCTCCAATC	TGAACCAAAGTTGACCACCAG
<i>Pgc1a</i>	CTTTTGTGGACGGAAGCAAT	GAGTCTTGGGAAAGGACACG
<i>Nrg4</i>	CGACGAGAGAAGCCCATCAT	TCCAGGCCAGTGATGACAGTA
<i>Ucp1</i>	TCTGCATGGGATCAAACCCC	ACAGTAAATGGCAGGGGACG

**Supplemental Table S1.** Primer sequences 5'-3' used for quantitative real-time RT-PCR analysis.