**Supplemental data**

**Supplemental Figure 1: mRNA expression of genes related to inflammation in WAT**

(Methods are described in Materials and methods)

Quantitative real-time PCR analysis of genes in epidydimal white adipose tissue (epiWAT) and subcutaneous white adipose tissue (scWAT) from mice fed HD diet for 16 weeks. All data are presented as mean **±** SEM. MCP-1, monocyte chemoattractant protein-1; IL-1B, interleukin-1β; IL-10, interleukin-10; TNF, tumor necrosis factor.

**Supplemental Figure 2: TNF-α-induced IL-6 secretion in 3T3L1 adipocytes**

The levels of IL-6 induced by TNF with or without terrain were not significantly different. 3T3L1 preadipocytes were cultured in DMEM containing 10% calf serum, 100 units/mL penicillin, and 100 μg/mL streptomycin. Two days after reaching confluence, differentiation of the cells was induced by changing the medium to DMEM containing 10% fetal bovine serum, 0.5 mM 3-isobutylmethylxanthine, 1 μM dexamethasone, and 1.7 μM insulin. After 4 days, the induction medium was removed, and the cells were maintained in DMEM containing 10% fetal bovine serum and insulin. After 7 days, well-differentiated 3T3-L1 adipocytes were incubated with 100 nM or 1 µM of (+)-terrein or 10 µM of rosiglitazone in DMEM plus 10% FBS at 37°C. After 24 hours, cells were treated with 10 ng/mL of TNFα and incubated for another 24 hours. IL-6 concentration secreted in medium was determined using IL-6 ELISA kit (R&D Systems, MN, USA). Cont, control (without (+)-terrein).