Supplemental Table 1: Sequences of primers used for qRT-PCR analysis of human adipose tissues

Gene name	Forward primer sequence (5'- 3')	Reverse primer sequence (5'- 3')
cyclophilin A	atggcactggcggcaggtcc	ttgccattcctggacccaaa
leptin	tgacaccaaaaccctcatca	agcccaggaatgaagtcca
angiotensinogen	gtcctgtctgccctgcaggc	Aggctgtgaacacgcccacca
PAI-1	gacgaaccgccaatcgcaagg	cttggaggcctgcgccacgta
CD68	gagcatcattctttcaccag	cgatgatgagaggcagcaag
IL-6	ggtacatcct cgacggcatc	ccagattggaagcatccatc
TNF-alpha	cgagtgacaagcctgtagcc	gctggttat ctctcagctcc
adiponectin	ggtgagaaagg agatccagg	ccttctccaggttctcctttcc
resistin	gctgttggtgtctagcaagacc	ggccaatgctgcttattgcc
visfatin	gcagaagccgagttcaacatcc	gtactgcaacccataaaatactg
MCP-1	attccccaagggctcgctca	gcacagatctccttggccacaat

Supplemental Table 2: Adipocyte size and adipokine mRNA levels (mean ± SE). Adipocyte size was measured as the mean cross-sectional area per cell (μm^2/cell). All adipokine mRNA levels (in arbitrary units) are expressed relative to the respective cyclophilin A mRNA levels.

Gene name	Female SAT	Female VAT	Male SAT	Male VAT
adipocyte size	3643 ± 183	2418 ± 148	4823 ± 367	3294 ± 297
leptin	24.1 ± 3.8	6.9 ± 1.6	34.9 ± 4.0	12.5 ± 3.0
angiotensinogen	2.89 ± 0.36	3.09 ± 0.35	2.56 ± 0.21	3.15 ± 0.28
PAI-1	1.87 ± 0.21	1.33 ± 0.21	3.17 ± 0.36	2.12 ± 0.28
CD68	2.35 ± 0.29	2.24 ± 0.39	3.24 ± 0.65	1.47 ± 0.16
IL-6	11.0 ± 2.2	10.0 ± 2.4	41.5 ± 13.1	23.4 ± 7.4
TNF-alpha	1.46 ± 0.17	1.67 ± 0.75	0.88 ± 0.37	1.07 ± 0.20
adiponectin	2.78 ± 0.30	3.86 ± 0.85	1.63 ± 0.37	1.78 ± 0.43
resistin	3.51 ± 0.96	4.09 ± 1.08	2.47 ± 0.28	2.78 ± 0.76
visfatin	4.89 ± 0.53	5.00 ± 0.68	7.55 ± 0.97	8.00 ± 1.45
MCP-1	10.02 ± 2.71	6.82 ± 1.93	14.04 ± 4.82	7.57 ± 1.74