

Supplemental Table 1. Sequences of the primers and TaqMan[®] probes

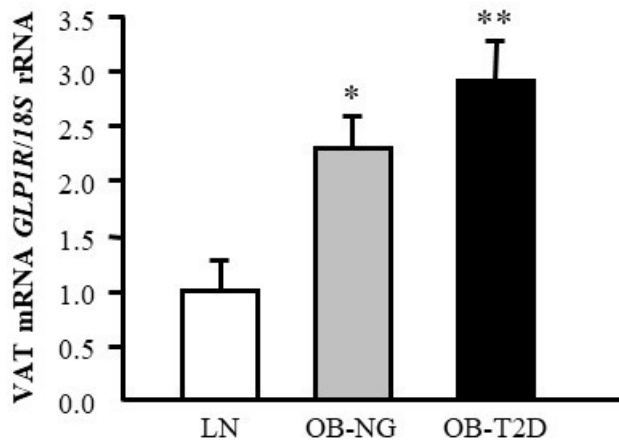
Gene (GenBank accession)	Oligonucleotide sequence (5'-3')
<i>ADIPOQ</i> (NM_001177800)	
Forward	GGAGATCCAGGTCTTATTGGTCCTA
Reverse	CCTTGGATTCCCGGAAAGC
TaqMan [®] Probe	FAM-ACATCGGTGAAACCGGAGTACCCGG-TAMRA
<i>ARG1</i> (NM_000045)	
Forward	TACTAGGAAGAAAGAAAAGGCCAATTC
Reverse	GTAGCCCTGTTTTGTAGATTTCTTCTGT
TaqMan [®] Probe	FAM-ACCCATCTTTCACACCAGCTACTGGCACA-TAMRA
<i>CCL2</i> (NM_002982)	
Forward	GTCATAGCAGCCACCTTCATT
Reverse	TCTGCACTGAGATCTTCCTATTGGT
TaqMan [®] Probe	FAM-TCGCTCAGCCAGATGCAATCAATGC-TAMRA
<i>IL1B</i> (NM_000576)	
Forward	CAGTGGCAATGAGGATGACTTG
Reverse	GTAGTGGTGGTCGGAGATTCGTA
TaqMan [®] Probe	FAM-TGGCCCTAAACAGATGAAGTGCTCCTTCC-TAMRA
<i>IL4</i> (NM_000589)	
Forward	GCCTCCAAGAACACAACACTGAGAA
Reverse	TGTCGAGCCGTTTCAGGAAT
TaqMan [®] Probe	FAM-CTGCGACTGTGCTCCGGCAGTTCTA-TAMRA
<i>IL6</i> (NM_000600)	
Forward	GCCCTGAGAAAGGAGACATGTAAC
Reverse	ATCCATCTTTTTTCAGCCATCTTTG
TaqMan [®] Probe	FAM-AGGCACTGGCAGAAAACAACCTGAACC-TAMRA
<i>IL8</i> (NM_000584.3)	
Forward	ACCTTTCCACCCCAAATTTATCA
Reverse	TTCTCAGCCCTCTTCAAAAACCTTC
TaqMan [®] Probe	FAM-CCACACTGCGCCAACACAGAAATTATTGTA-TAMRA
<i>KLF4</i> (NM_001314052.1)	
Forward	ACCTACACAAAGAGTTCCCATCTCA
Reverse	GTTTACGGTAGTGCCTGGTCAGTT
TaqMan [®] Probe	FAM-CCTGCGAACCACACAGGTGAGAAA-TAMRA
<i>PPARG</i> (NM_005037)	
Forward	GGGATGTCTCATAATGCCATCAG
Reverse	CCGCCAACAGCTTCTCCTT
TaqMan [®] Probe	FAM-TTTGGGCGGATGCCACAGGC-TAMRA
<i>TNF</i> (NM_000594)	
Forward	CCCCAGGGACCTCTCTAATC
Reverse	ACATGGGCTACAGGCTTGTC

TaqMan® Probe

FAM-CCTCTGGCCCAGGCAGTCAGATCAT-TAMRA

ADIOPQ, adiponectin; *ARG1*, arginase 1; *CCL2*, monocyte chemoattractant protein-1; *IL*, interleukin; *KLF4*, kruppel-like factor 4; *PPARG*, peroxisome proliferator-activated receptor- γ ; *TNF*, tumor necrosis factor- α .

Supplemental figure



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Supplemental Figure 1. Gene expression levels of *GLPIR* in lean, obese NG and obese patients with T2D. Bar graphs show the mRNA levels of *GLPIR* in visceral adipose tissue from lean (LN) volunteers, obese normoglycemic (NG) subjects and obese patients with type 2 diabetes (T2D). Bars represent the mean ± SEM. LN was assumed to be 1. Differences between groups were analyzed by one-way ANOVA followed by Tukey's tests. * $P < 0.05$, ** $P < 0.01$ vs LN subjects.

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