

Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: Larsen CM, Faulenbach M, Vaag A, et al. Interleukin-1–receptor antagonist in type 2 diabetes mellitus. *N Engl J Med* 2007;356:1517-26.

Supplementary Appendix:

Muscle Biopsy, RNA Extraction and RT-PCR

The muscle biopsies were immediately frozen in liquid nitrogen and stored at -80°C until analysis. Total RNA was extracted by the Tri Reagent kit following the manufacturer's description (Sigma-Aldrich). cDNA was synthesized using RevertAid™ H minus First Strand cDNA Synthesis kit (Fermentas) following DNase treatment of the RNA (Promega). Glucose-transporter 4 (GLUT4) and peroxisome-proliferator-activated receptor- γ coactivator 1 α (PGC-1 α) mRNA were quantified using TaqMan Real-Time PCR with probes and primer pairs for GLUT4 and PGC-1 α (Assays-on-Demand Hs00168966_m1 and Hs00173304_m1, respectively, Applied Biosystems). Each sample was run in duplicate and the transcript quantity was determined by the standard curve method normalized to cyclophilin A (4333763F, Applied Biosystems) expression.