Supplementary Table 1. Characteristics of study subjects used in the PCR verification. Mean $\pm$ SD; * p<0.05 , † p<0.005 vs. lean controls. NA=not assessed. To convert to mg/dL divide: glucose by 0.0555, cholesterol by 0.0259 and triglycerides by 0.0113. To convert insulin to mU/L divide by 6.945.

	Lean Controls	**Obese**	**Obese T2DM**
Subjects in Group	6	7	11
Gender (M/F)	0/6	1/6	1/11
Age (years)	39.1 ± 9.8	36.4 ± 9.8	47.0 ± 11.9
Body mass index (kg/m^2)	22.6 ± 3.5	49.1 ± 6.9 †	47.2 ± 7.0 †
Duration of DM (years)	NA	NA	1.5 ± 2.9
Hemoglobin A1c	5.2 ± 0.3	5.2 ± 0.2	7.1 ± 1.7 †
Fasting Glucose (mmol/L)	4.6 ± 0.8	5.3 ± 0.4	7.7 ± 0.4 *
Fasting Insulin (pmol/L)	62.5 ± 38.8	166.7 ± 113.2*	345.9 ± 235.4*
HOMA-IR	2.2 ± 2.0	5.4 ± 3.1*	20.2 ± 11.3
Si (Insulin Sensitivity)	NA	1.13 ± 0.90	0.26 ± 0.22
Sg (Glucose Effectiveness)	NA	0.014 ± 0.006	0.014 ± 0.004
Cholesterol (mmol/L)	4.6 ± 0.7	5.7 ± 0.3 *	4.5 ± 0.9
LDL – cholesterol (mmol/L)	3.1 ± 0.7	3.7 ± 0.7	2.5 ± 0.6
HDL – cholesterol (mmol/L)	1.2 ± 0.3	1.0 ± 0.1	1.2 ± 0.2
Triglycerides (mmol/L)	0.7 ± 0.2	2.1 ± 0.7	1.6 ± 1.0
ALT (U/L)	25 ± 8	29 ± 8	31 ± 19
AST (U/L)	32 ± 11	24 ± 4	29 ± 12