**Table S3. Characteristics of subjects in the discovery cohort stratified according to *ZMAT3* mRNA expression in subcutaneous adipose cells.**

| ***Phenotypes*** | ***High ZMAT3 mRNA expression*** | ***Low ZMAT3 mRNA expression*** | ***p value*** |
|---|---|---|---|
| **N** | 14 | 15 | |
| ***ZMAT3* mRNA levels (REU)** | 0.52 [0.39; 0.64] | 0.21 [0.18; 0.31] | *<0.0001* |
| ***TP53* mRNA levels (REU)** | 0.53 [0.38; 0.91] | 0.26 [0.19; 0.35] | *<0.0001* |
| **Age, years** | 59.0 [32.8; 62.5] | 45.0 [32.0; 47.0] | *0.0150* |
| **T2D: N (%)** | 10 (71%) | 0 (0%) | *<0.0001* |
| **BMI, Kg/m$^2$** | 33.2 [30.5;35.0] | 26.6 [23.1; 29.2] | *<0.0001* |

Clinical study participants were stratified according to *ZMAT3* mRNA expression in subcutaneous adipose cells into two categories, low ($L_{exp}$) and high ($H_{exp}$) expression, defined by values below or above the median, respectively. Study participants are expressed as number (N). Data are shown as median [first quartile-Q1; third quartile-Q3]. Statistical differences between the two groups were tested using Mann Whitney test (continuous variables) or Fisher's exact test (categorical variable). *p* value *vs* $L_{exp}$ participants.

REU, relative expression units; BMI, body mass index; T2D, Type 2 Diabetes.