**DiOGenes dietary intervention:**
548 obese adults completed the program

\[ \downarrow \]

**selected subjects:**

\[ n = 227 \]

(see Materials and Methods for inclusion criteria)

**Subject classification**
Subjects were classified as WM or WR according to body weight variations during the 6-month weight maintenance phase in relation to weight lost during the low calorie diet (LCD) phase

\[ \text{% regain} = \frac{\text{kgs at CID3} - \text{kgs at CID2}}{\text{kgs at CID1} - \text{kgs at CID2}} \]

**WM** (0-10% regain) 
\[ n = 20 \]

**DNA microarrays on scAT**

Identification of differentially expressed genes

\[ \downarrow \]

**Validation by real time RT-PCR**

\[ n = 17 \]

**WR** (50-100% regain) 
\[ n = 20 \]