

Supplementary Figure S2. Reproducibility of Gel-LC-MS/MS separations and identification.

(A) Two duplicates of one pooled-diabetic serum (500 μ g) and one pooled-nondiabetic serum (500 μ g) were separated on 12% gel electrophoresis, respectively. The entire gel was cut into 12 gel slices. After digestion in gel, the peptide mixture of each slice was processed by mass spectrometry. (B) The number of identified proteins (left y-axis) and peptides (right y-axis) with at least two spectral peptide counts from two diabetic-serum duplicates. (C) The distribution of proteins identified in 12 gel slices between two diabetic-serum duplicates. (D) The distribution of proteins identified in 12 gel slices between two diabetic-serum duplicates. (E) The correlations between the data of duplicate 1 and duplicate 2. Reproducibility of two duplicates of GeLC-MS/MS separations and identifications were assessed based on the distribution of proteins, peptides identified in 12 gel slices, and spectral peptide count information of identified proteins.

Supplementary Figure S2

