**S3 Table.** Proteomics studies revealed 58 proteins significantly associated with diabetes

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Protein name** | **ID** | **Alter trend** | **Ref** | **Method** | **Sample** | **Phenotype** |
| C-reactive protein  | P02741 | Up | 1 | MS-ElisA | Serum | T2D |
| Apolipoprotein E | P02649 | UP | 1 | MS-ElisA | Serum | T2D |
| Leptin | P41159 | UP | 1 | MS-ElisA | Serum | T2D |
| Galectin-1  | P09382 | UP | 2 | 2DE-MS-ElisA | plasma | T2D |
| Ficolin-3 | O75636 | Up | 3 | MS-WB | Serum | T2D |
| Complement component 3  | P01024  | Up | 3 | MS-WB | Serum | T2D |
| C3-a | P01024  | Up | 3 | MS-WB | Serum | T2D |
| C3b alpha chain | P01024  | Up | 3 | MS-WB | Serum | T2D |
| TNF alpha receptor 2 | P20333 | UP | 4 | ElisA | plasma | T2D |
| IL 6 | P08505 | UP | 4 | ElisA | plasma | T2D |
| monocyte chemoattractant protein-1 | P13500 | UP | 5 | ElisA | plasma | T2D |
| Apolipoprotein A1 | P02647 | UP | 6 | MS-MRM | Serum | T2D |
| Afamin | P43652 | UP | 6 | MS-MRM | Serum | T2D |
| VDBP | P02774 | UP | 6 | MS-MRM | Serum | T2D |
| Transthyretin | P02766 | UP | 6 | MS-MRM | Serum | T2D |
| fibrinogen | P02671 | UP | 7 | ELISA | plasma | T2D |
| plasminogen activator inhibitor-1 (PAI-1) | P05121 | UP | 7 | ELISA | plasma | T2D |
| CRP | P02741 | UP | 7 | ELISA | plasma | T2D |
| Adiponectin | Q15848 | Down | 8 | ELISA | Serum | T2D |
| histidine triad nucleotide-binding protein 1 | P49773 | Down | 9 | MALDI-MS | urine | T2D |
| bifunctional aminoacyl-tRNA synthetase  | P07814 | Down | 9 | MALDI-MS | urine | T2D |
| clusterin precursor protein  | P14018 | Down | 9 | MALDI-MS | urine | T2D |
| α2-macroglobulin | P01023 | UP | 10 | LC-MS/Western | Serum | Diabetes |
| FABP4 | P15090 | UP | 11 | LC-MS/Western | visceral adipose tissues | T2D |
| C1QA | P02745 | UP | 11 | LC-MS/Western | visceral adipose tissues | T2D |
| S100A8 | P05109 | UP | 11 | LC-MS/Western | visceral adipose tissues | T2D |
| SORBS1 | Q9BX66 | UP | 11 | LC-MS/Western | visceral adipose tissues | T2D |
| ACADL | P28330 | DOWN | 11 | LC-MS/Western | visceral adipose tissues | T2D |
| PLIN4 | Q96Q06 | DOWN | 11 | LC-MS/Western | visceral adipose tissues | T2D |
| gelsolin | P06396 | UP | 12 | LC-MSMS | urine | T1D |
| antithrombin-III | P01008 | UP | 12 | LC-MSMS | urine | T1D |
| fibrinogen | P02671 | UP | 13 | LC-MS | plasma | T2D |
| haptoglobin | P00738 | UP | 13 | LC-MS | plasma | T2D |
| vitamin D binding protein | P02774 | DOWN | 13 | LC-MS | plasma | T2D |
| α-1-antitrypsin | P01009 | DOWN | 13 | LC-MS | plasma | T2D |
| transthyretin | P02766 | DOWN | 13 | LC-MS | plasma | T2D |
| apolipoprotein A1 | P02647 | DOWN | 13 | LC-MS | plasma | T2D |
| collagen alpha-2(VI) chain  | P12110 | UP | 14 | 2D-DIGE | omental adipose tissue | GDM |
| fibrinogen beta chain | P02675 | UP | 14 | 2D-DIGE | omental adipose tissue | GDM |
| lumican | P51884 | UP | 14 | 2D-DIGE | omental adipose tissue | GDM |
| S100A9 | P06702 | UP | 14 | 2D-DIGE | omental adipose tissue | GDM |
| alpha-1-antitrypsin1 | P02647 | DOWN | 14 | 2D-DIGE | omental adipose tissue | GDM |
| annexin A5 | P08758 | DOWN | 14 | 2D-DIGE | omental adipose tissue | GDM |
| FABP4 | P15090 | DOWN | 14 | 2D-DIGE | omental adipose tissue | GDM |
| GSTP | P09211 | DOWN | 14 | 2D-DIGE | omental adipose tissue | GDM |
| vinculin | P18206 | DOWN | 14 | 2D-DIGE | omental adipose tissue | GDM |
| heat-shock protein beta-1 | P04792 | DOWN | 14 | 2D-DIGE | omental adipose tissue | GDM |
| lactate dehydrogenase B chain | P07195 | DOWN | 14 | 2D-DIGE | omental adipose tissue | GDM |
| perilipin-1 | O60240 | DOWN | 14 | 2D-DIGE | omental adipose tissue | GDM |
| selenium-binding protein 1 | Q13228 | DOWN | 14 | 2D-DIGE | omental adipose tissue | GDM |
| PRDX6 | P30041 | DOWN | 14 | 2D-DIGE | omental adipose tissue | GDM |
| PPBP | P02775 | UP | 15 | LC-MS | serum | T1D |
| plasma protease C1 inhibitor | P05155 | UP | 15 | LC-MS | serum | T1D |
| complement C3 | P01024  | DOWN | 15 | LC-MS | serum | T1D |
| gelsolin | P06396 | DOWN | 15 | LC-MS | serum | T1D |
| N-acetylmuramoyl-L-alanine amidase | Q96PD5 | DOWN | 15 | LC-MS | serum | T1D |
| transthyretin | P02766 | DOWN | 15 | LC-MS | serum | T1D |
| adiponectin | Q15848 | DOWN | 16 | LC-MS | serum | T1D |
| insulin-like growth factor binding protein 2 | P18065 | DOWN | 16 | LC-MS | serum | T1D |
| serum amyloid protein A | P0DJI8 | DOWN | 16 | LC-MS | serum | T1D |
| C-reactive protein | P02741 | DOWN | 16 | LC-MS | serum | T1D |
| myeloperoxidase | P05164 | UP | 16 | LC-MS | serum | T1D |
| transforming growth factor beta induced | P01137 | UP | 16 | LC-MS | serum | T1D |
| Annexin A2 | P07355 | UP | 17 | 2DE-MALDI-TOF | placentas | GDM |
| Annexin A5  | P08758 | UP | 17 | 2DE-MALDI-TOF | placentas | GDM |
| 14-3-3 protein ζ/δ  | P63104 | UP | 17 | 2DE-MALDI-TOF | placentas | GDM |
| Ras-related protein Rap1A  | P62834 | DOWN | 17 | 2DE-MALDI-TOF | placentas | GDM |

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