Table S3. Full list of proteins identified by mass spectrometry

| Accession number | Protein name                                                                 | Mass (Da) | Score | Number of peptides | SC |
|------------------|-----------------------------------------------------------------------------|-----------|-------|--------------------|----|
| 4F2_HUMAN        | 4F2 cell-surface antigen heavy chain                                         | 68180     | 418   | 23                 | 34 |
| ACAD9_HUMAN      | Acyl-CoA dehydrogenase family member 9, mitochondrial                      | 69344     | 176   | 7                  | 9  |
| ACMDC_HUMAN      | Medium-chain specific acyl-CoA dehydrogenase, mitochondrial                 | 47015     | 146   | 8                  | 18 |
| ACSF2_HUMAN      | Acyl-CoA synthetase family member 2, mitochondrial                         | 68993     | 152   | 7                  | 11 |
| ACS11_HUMAN      | Long-chain-fatty-acid-CoA ligase 1                                          | 78919     | 136   | 9                  | 11 |
| ADT2_HUMAN       | ADP/ATP translocase 2                                                       | 33059     | 174   | 10                 | 31 |
| ADT3_HUMAN       | ADP/ATP translocase 3                                                       | 33073     | 83    | 5                  | 16 |
| AHNK_HUMAN       | Neuroblast differentiation-associated protein AHNAK                          | 629213    | 203   | 19                 | 3  |
| AL1B1_HUMAN      | Aldehyde dehydrogenase X, mitochondrial                                     | 57626     | 138   | 3                  | 6  |
| ACS11_HUMAN      | Acyl-CoA dehydrogenase family member 9, mitochondrial                      | 69344     | 176   | 7                  | 9  |
| ACSF2_HUMAN      | Acyl-CoA synthetase family member 2, mitochondrial                         | 68993     | 152   | 7                  | 11 |
| ACS11_HUMAN      | Long-chain-fatty-acid-CoA ligase 1                                          | 78919     | 136   | 9                  | 11 |
| ADT2_HUMAN       | ADP/ATP translocase 2                                                       | 33059     | 174   | 10                 | 31 |
| ADT3_HUMAN       | ADP/ATP translocase 3                                                       | 33073     | 83    | 5                  | 16 |
| AHNK_HUMAN       | Neuroblast differentiation-associated protein AHNAK                          | 629213    | 203   | 19                 | 3  |
| AL1B1_HUMAN      | Aldehyde dehydrogenase X, mitochondrial                                     | 57626     | 138   | 3                  | 6  |
| ACS11_HUMAN      | Long-chain-fatty-acid-CoA ligase 1                                          | 78919     | 136   | 9                  | 11 |
| ADT2_HUMAN       | ADP/ATP translocase 2                                                       | 33059     | 174   | 10                 | 31 |
| ADT3_HUMAN       | ADP/ATP translocase 3                                                       | 33073     | 83    | 5                  | 16 |
| AHNK_HUMAN       | Neuroblast differentiation-associated protein AHNAK                          | 629213    | 203   | 19                 | 3  |
| AL1B1_HUMAN      | Aldehyde dehydrogenase X, mitochondrial                                     | 57626     | 138   | 3                  | 6  |
| Protein name   | Description                                           | Accession number | Mw | PI | pI |
|---------------|-------------------------------------------------------|------------------|----|----|----|
| GRP75_HUMAN   | Stress-70 protein, mitochondrial                      | 73920            | 16 | 3  |
| GRP78_HUMAN   | 78 kDa glucose-regulated protein                      | 72402            | 16 | 4  |
| GT251_HUMAN   | Procollagen galactosyltransferase 1                   | 71933            | 8  | 1  |
| HCD2_HUMAN    | 3-hydroxacyl-CoA dehydrogenase type-2                | 27134            | 3  | 1  |
| HDHDS_HUMAN   | Haloacid dehalogenase-like hydrolase domain-containing S | 46748            | 4  | 14 |
| HNRPK_HUMAN   | Heterogeneous nuclear ribonucleoprotein K            | 51230            | 5  | 11 |
| HSP7C_HUMAN   | Heat shock cognate 71 kDa protein                    | 71082            | 5  | 10 |
| HXK1_HUMAN    | Hexokinase-1                                         | 103561           | 12 | 13 |
| HYOU1_HUMAN   | Hypoxia up-regulated protein 1                        | 111494           | 36 | 31 |
| IDHP_HUMAN    | Isocitrate dehydrogenase [NADP], mitochondrial       | 51333            | 6  | 12 |
| IPYR2_HUMAN   | Inorganic pyrophosphatase 2, mitochondrial            | 38409            | 7  | 25 |
| ITA6_HUMAN    | Integrin alpha-6                                     | 127724           | 2  | 1  |
| ITB4_HUMAN    | Integrin beta-4                                      | 205745           | 12 | 8  |
| IVD_HUMAN     | Isovaleryl-CoA dehydrogenase, mitochondrial          | 46803            | 3  | 8  |
| KAD4_HUMAN    | Adenylate kinase 4, mitochondrial                    | 25366            | 5  | 26 |
| KPYM_HUMAN    | Pyruvate kinase PKM                                  | 58470            | 3  | 6  |
| LETM1_HUMAN   | Mitochondrial proton/calcium exchanger protein       | 83986            | 6  | 10 |
| LONM_HUMAN    | Lon protease homolog, mitochondrial                  | 106936           | 4  | 5  |
| LPPRC_HUMAN   | Leucine-rich PPR motif-containing protein, mitochondrial | 159003         | 38 | 28 |
| M2OM_HUMAN    | Mitochondrial 2-oxoglutarate/malate carrier protein  | 34211            | 5  | 15 |
| MCCB_HUMAN    | Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial | 61808         | 4  | 7  |
| MYH9_HUMAN    | Myosin-9                                             | 227646           | 2  | 1  |
| NSDHL_HUMAN   | Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating | 42159             | 4  | 10 |
| NU205_HUMAN   | Nuclear pore complex protein Nup205                  | 230171           | 6  | 2  |
| OCAD1_HUMAN   | OCIA domain-containing protein 1                     | 27780            | 4  | 13 |
| ODO1_HUMAN    | 2-oxoglutarate dehydrogenase, mitochondrial          | 117059           | 10 |    |
| ODO2_HUMAN    | Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial | 49067     | 5  | 11 |
| ODPA_HUMAN    | Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial | 43952     | 4  | 11 |
| ODPB_HUMAN    | Pyruvate dehydrogenase E1 component subunit beta, mitochondrial | 39550     | 7  | 22 |
| OST48_HUMAN   | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit | 50940     | 4  | 9  |
| PSCR1_HUMAN   | Pyrroline-5-carboxylate reductase 1, mitochondrial    | 33568            | 1  | 4  |
| P5CS_HUMAN    | Delta-1-pyrroline-5-carboxylate synthase             | 87989            | 14 | 16 |
| PDIA3_HUMAN   | Protein disulfide-isomerase A3                       | 57146            | 16 | 30 |
| PDIA6_HUMAN   | Protein disulfide-isomerase A6                       | 48490            | 4  | 12 |
| PDPR_HUMAN    | Pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial | 100156  | 8  | 10 |
| PHB_HUMAN     | Prohibitin                                           | 29843            | 8  | 30 |
| PHB2_HUMAN    | Prohibitin-2                                         | 33276            | 15 | 50 |
| Gene Symbol     | Protein Name                                      | Entrez ID | Mw  | pI  | Z-score |
|-----------------|---------------------------------------------------|-----------|-----|-----|---------|
| PRDX1_HUMAN     | Peroxiredoxin-1                                   | 22324     | 68  | 2   | 10      |
| PRDX4_HUMAN     | Peroxiredoxin-4                                   | 30749     | 47  | 1   | 6       |
| PTN1_HUMAN      | Tyrosine-protein phosphatase non-receptor type 1   | 50505     | 338 | 10  | 22      |
| QCR1_HUMAN      | Cytochrome b-c1 complex subunit 1, mitochondrial  | 53297     | 72  | 1   | 2       |
| QCR2_HUMAN      | Cytochrome b-c1 complex subunit 2, mitochondrial  | 48584     | 112 | 7   | 14      |
| RA1L2_HUMAN     | Heterogeneous nuclear ribonucleoprotein A1-like 2 | 34375     | 79  | 3   | 12      |
| RAB10_HUMAN     | Ras-related protein Rab-10                        | 22755     | 201 | 9   | 27      |
| RAB14_HUMAN     | Ras-related protein Rab-14                        | 24110     | 163 | 5   | 20      |
| RAB2A_HUMAN     | Ras-related protein Rab-2A                        | 23702     | 174 | 4   | 21      |
| RAB3A_HUMAN     | Ras-related protein Rab-3A                        | 25196     | 102 | 3   | 11      |
| RAB5B_HUMAN     | Ras-related protein Rab-5B                        | 23920     | 168 | 5   | 24      |
| RAB6A_HUMAN     | Ras-related protein Rab-6A                        | 23692     | 189 | 7   | 22      |
| RAB7A_HUMAN     | Ras-related protein Rab-7a                        | 23760     | 299 | 11  | 50      |
| RL14_HUMAN      | 60S ribosomal protein L14                         | 23531     | 86  | 1   | 5       |
| RLA0_HUMAN      | 60S acidic ribosomal protein P0                    | 34423     | 102 | 3   | 16      |
| ROA2_HUMAN      | Heterogeneous nuclear ribonucleoproteins A2/B1    | 37464     | 160 | 7   | 21      |
| RPN1_HUMAN      | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 | 68641     | 105 | 6   | 10      |
| RPN2_HUMAN      | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2 | 69355     | 109 | 4   | 7       |
| RS7_HUMAN       | 40S ribosomal protein S7                          | 22113     | 97  | 3   | 15      |
| RT22_HUMAN      | 28S ribosomal protein S22, mitochondrial          | 41425     | 103 | 5   | 12      |
| RT23_HUMAN      | 28S ribosomal protein S23, mitochondrial          | 21814     | 90  | 4   | 22      |
| RT27_HUMAN      | 28S ribosomal protein S27, mitochondrial          | 47924     | 81  | 1   | 2       |
| RT29_HUMAN      | 28S ribosomal protein S29, mitochondrial          | 45880     | 100 | 6   | 16      |
| SDHA_HUMAN      | Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial | 73672     | 151 | 8   | 16      |
| SDHB_HUMAN      | Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial | 32407     | 107 | 6   | 21      |
| SERPH_HUMAN     | Serpin H1                                         | 46525     | 403 | 18  | 36      |
| SURF4_HUMAN     | Surfelf locus protein 4                           | 30602     | 74  | 2   | 7       |
| SYIM_HUMAN      | Isoleucine--tRNA ligase, mitochondrial            | 114688    | 239 | 16  | 17      |
| TBRG4_HUMAN     | Protein TBRG4                                     | 71550     | 178 | 5   | 9       |
| TCGP_HUMAN      | T-complex protein 1 subunit gamma                 | 61066     | 107 | 3   | 6       |
| TFR1_HUMAN      | Transferrin receptor protein 1                    | 85274     | 150 | 4   | 5       |
| THIL_HUMAN      | Acetyl-CoA acetyltransferase, mitochondrial       | 45456     | 143 | 9   | 21      |
| TIM50_HUMAN     | Mitochondrial import inner membrane translocase subunit TIM50 | 39850     | 112 | 3   | 9       |
| TMED9_HUMAN     | Transmembrane emp24 domain-containing protein 9   | 27374     | 75  | 3   | 11      |
| TMM33_HUMAN     | Transmembrane protein 33                          | 28302     | 66  | 1   | 4       |
| TPR_HUMAN       | Nucleoprotein TPR                                 | 267530    | 314 | 11  | 5       |
| TRAP1_HUMAN     | Heat shock protein 75 kDa, mitochondrial           | 80345     | 137 | 5   | 8       |
| TRI29_HUMAN     | Tripartite motif-containing protein 29            | 66478     | 129 | 5   | 9       |
| TXTP_HUMAN      | Tricarboxylate transport protein, mitochondrial   | 34333     | 84  | 4   | 12      |
| VDAC1_HUMAN     | Voltage-dependent anion-selective channel protein 1 | 30868    | 259 | 8   | 24      |
| VDAC2_HUMAN | Voltage-dependent anion-selective channel protein 2 | 32060 | 199 | 7 | 23 |