Supplementary Table 1. Identified proteins in MFGM and serum by using FASP-NanoLC-Orbitrap-MS/MS.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Uniprot number | Protein name | Gene name | Peptides | Unique peptides | Sequence coverage | PEP | Source1 |
| A2I7N1 | Serpin A3-5 | SERPINA3-5 | 5 | 5 | 11.9 | 6.42E-16 | S |
| A6QR11 | Protein kinase C-binding protein NELL2 | NELL2 | 3 | 3 | 4.4 | 4.60E-16 | S |
| E1BJP1 | Major allergen Equ c 1 |  | 2 | 2 | 8.8 | 1.59E-07 | S |
| F1MXQ3 | Family with sequence similarity 20, member C | FAM20C | 2 | 2 | 4 | 5.22E-05 | S |
| F1N076 | Ceruloplasmin | CP | 4 | 4 | 4.2 | 4.64E-11 | S |
| F6R3I5 | Cysteine-rich secretory protein 2 | CRISP3 | 2 | 2 | 7.4 | 0.000255 | S |
| G3N0V0 | IgG heavy chain |  | 5 | 5 | 17.5 | 2.59E-19 | S |
| G3X6N3 | Serotransferrin | TF | 36 | 36 | 51.3 | 4.38E-174 | S |
| G5E5H7 | Major allergen beta-lactoglobulin | PAEP | 21 | 2 | 68.5 | 0 | S |
| O02853 | Prostaglandin-H2 D-isomerase | PTGDS | 2 | 2 | 13.6 | 2.79E-06 | S |
| O18738 | Dystroglycan | DAG1 | 2 | 2 | 3.4 | 3.80E-09 | S |
| O46375 | Transthyretin | TTR | 6 | 6 | 50.3 | 6.67E-20 | S |
| P01030 | Complement C4-A precursor |  | 2 | 2 | 1.5 | 1.69E-07 | S |
| P01045 | Kininogen-2 | KNG2 | 3 | 3 | 6.5 | 5.40E-17 | S |
| P01966 | Hemoglobin subunit alpha | HBA | 2 | 2 | 18.3 | 3.33E-06 | S |
| P02672 | Fibrinogen alpha | FGA | 9 | 9 | 19 | 1.62E-36 | S |
| P02676 | Fibrinogen beta chain | FGB | 3 | 3 | 8.5 | 2.67E-12 | S |
| P02702 | Folate receptor alpha | FOLR1 | 3 | 3 | 17.8 | 8.92E-14 | S |
| P07107 | Acyl-CoA-binding protein | ACBP | 2 | 2 | 26.4 | 9.61E-06 | S |
| P07688 | Cathepsin B | CTSB | 2 | 2 | 7.8 | 0.000226 | S |
| P08037 | Beta-1,4-galactosyltransferase 1 | B4GALT1 | 2 | 2 | 7 | 1.59E-10 | S |
| P12763 | Alpha-2-HS-glycoprotein | AHSG | 6 | 6 | 22 | 3.26E-27 | S |
| P12799 | Fibrinogen gamma-B chain | FGG | 7 | 7 | 20.3 | 2.29E-28 | S |
| P13696 | Phosphatidylethanolamine-binding protein 1 | PEBP1 | 2 | 2 | 16.5 | 1.55E-05 | S |
| P15467 | Ribonuclease 4 | RNASE4 | 3 | 3 | 27.2 | 1.76E-10 | S |
| P15497 | Apolipoprotein A-I | APOA1 | 4 | 4 | 14.7 | 8.39E-15 | S |
| P26779 | Proactivator polypeptide | PSAP | 4 | 4 | 8.8 | 3.99E-16 | S |
| P28800 | Alpha-2-antiplasmin | SERPINF2 | 5 | 5 | 11 | 1.05E-11 | S |
| P34955 | Alpha-1-antiproteinase | SERPINA1 | 5 | 5 | 14.2 | 2.92E-29 | S |
| P41361 | Antithrombin-III | SERPINC1 | 2 | 2 | 4.9 | 9.40E-11 | S |
| P50397 | Rab GDP dissociation inhibitor beta | GDI2 | 3 | 3 | 7.9 | 3.40E-08 | S |
| P50448 | Factor XIIa inhibitor |  | 5 | 5 | 5.6 | 2.98E-14 | S |
| P61823 | Ribonuclease pancreatic | RNASE1 | 2 | 2 | 23.3 | 1.90E-08 | S |
| P79105 | Protein S100-A12 | S100A12 | 2 | 2 | 20.7 | 4.59E-05 | S |
| P79345 | Epididymal secretory protein E1 | NPC2 | 6 | 6 | 51.7 | 1.27E-27 | S |
| P81187 | Complement factor B | CFB | 4 | 4 | 6.8 | 2.92E-14 | S |
| Q05B55 | Similar to Ig kappa chain C region | | 5 | 5 | 27.1 | 4.16E-31 | S |
| Q0IIA2 | Odorant-binding protein-like | MGC151921 | 4 | 4 | 22.1 | 3.03E-12 | S |
| Q0IIH5 | Nucleobindin 2 | NUCB2 | 6 | 6 | 16.4 | 6.12E-20 | S |
| Q0P569 | Nucleobindin-1 | NUCB1 | 19 | 19 | 43.7 | 7.83E-63 | S |
| Q1JPB0 | Leukocyte elastase inhibitor | SERPINB1 | 3 | 3 | 6.6 | 6.22E-09 | S |
| Q28133 | Allergen Bos d 2 |  | 2 | 1 | 11 | 4.46E-07 | S |
| Q29RQ1 | Complement component C7 | C7 | 5 | 5 | 6.5 | 6.63E-12 | S |
| Q2KIT0 | Protein HP-20 homolog |  | 2 | 2 | 9.9 | 3.52E-05 | S |
| Q2KIU3 | Protein HP-25 homolog 2 |  | 2 | 2 | 14.9 | 8.90E-08 | S |
| Q2KJF1 | Alpha-1B-glycoprotein | A1BG | 5 | 5 | 13.1 | 1.13E-20 | S |
| Q32KV6 | Nucleotide exchange factor SIL1 | SIL1 | 5 | 5 | 15.6 | 3.40E-17 | S |
| Q32PI4 | Similar to complement factor I |  | 3 | 3 | 5.3 | 1.26E-07 | S |
| Q32PJ2 | Apolipoprotein A-IV | APOA4 | 10 | 10 | 28.4 | 6.29E-25 | S |
| Q3MHN5 | Vitamin D-binding protein | GC | 11 | 11 | 30.7 | 2.82E-57 | S |
| Q3MHX6 | Protein OS-9 | OS9 | 2 | 2 | 3 | 1.93E-05 | S |
| Q3SZR3 | Alpha-1-acid glycoprotein | ORM1 | 7 | 7 | 37.6 | 1.45E-22 | S |
| Q3SZV7 | Hemopexin | HPX | 2 | 2 | 4.3 | 5.18E-09 | S |
| Q3T052 | Inter-alpha-trypsin inhibitor heavy chain | | 3 | 3 | 3.5 | 1.62E-10 | S |
| Q3ZBZ1 | 45 kDa calcium-binding protein | SDF4 | 3 | 3 | 11.8 | 3.14E-13 | S |
| Q3ZCH5 | Zinc-alpha-2-glycoprotein | AZGP1 | 11 | 11 | 36.1 | 2.38E-62 | S |
| Q7SIH1 | Alpha-2-macroglobuliN |  | 4 | 4 | 3.6 | 3.66E-11 | S |
| Q95121 | Pigment epithelium-derived factor |  | 3 | 3 | 10.6 | 1.00E-13 | S |
| Q9XSJ4 | Alpha-enolase | ENO1 | 2 | 2 | 8.8 | 1.22E-12 | S |
| A6QPK0 | SCGB2A2 protein | SCGB2A2 | 2 | 2 | 45.2 | 7.88E-07 | S,M |
| A8YXY3 | 15 kDa selenoprotein | 15-Sep | 3 | 3 | 17.9 | 2.13E-18 | S,M |
| F1MUT3 | Xanthine dehydrogenase/oxidase | XDH | 54 | 54 | 37.8 | 0 | S,M |
| F1N514 | CD5L protein | CD5L | 4 | 4 | 14.6 | 3.50E-15 | S,M |
| F1N726 | Glycoprotein 2 (Zymogen granule membrane) | GP2 | 13 | 13 | 29 | 2.97E-95 | S,M |
| G3MXB5 | Ig alpha-1 chain C region | LOC524810 | 4 | 4 | 15 | 1.23E-16 | S,M |
| G3MXR2 | Mucin-16 | MUC16 | 5 | 5 | 4.1 | 1.78E-15 | S,M |
| G3N2D7 | Immunoglobulin lambda-like polypeptide 1 | IGLL1 | 2 | 2 | 25.7 | 7.87E-14 | S,M |
| G3N2D8 | Gamma-glutamyltranspeptidase 1 | GGT1 | 8 | 8 | 14.8 | 1.36E-22 | S,M |
| G5E604 | [IGL@ protein](mailto:IGL@%20protein) |  | 4 | 4 | 48.6 | 1.73E-15 | S,M |
| P00711 | Alpha-lactalbumin |  | 15 | 15 | 54.2 | 3.26E-175 | S,M |
| P02662 | Alpha-S1-casein | CSN1S1 | 7 | 7 | 30.8 | 7.37E-38 | S,M |
| P02663 | Alpha-S2-casein | CSN1S2 | 11 | 11 | 36.5 | 4.21E-47 | S,M |
| P02666 | Beta-casein | CSN2 | 5 | 5 | 31.2 | 3.75E-51 | S,M |
| P02668 | Kappa-casein |  | 3 | 3 | 15.3 | 1.47E-09 | S,M |
| P02754 | Beta-lactoglobulin | LGB | 23 | 23 | 76.4 | 1.45E-299 | S,M |
| P02769 | Serum albumin | ALB | 59 | 59 | 76.1 | 1.18E-278 | S,M |
| P05307 | Protein disulfide-isomerase | P4HB | 2 | 2 | 4.3 | 1.73E-10 | S,M |
| P10790 | Fatty acid-binding protein, heart | FABP3 | 8 | 8 | 52.6 | 1.58E-39 | S,M |
| P11151 | Lipoprotein lipase | LPL | 7 | 7 | 18.4 | 5.17E-32 | S,M |
| P17697 | Clusterin | CLU | 5 | 5 | 15 | 1.52E-32 | S,M |
| P18892 | Butyrophilin subfamily 1 member A1 | BTN1A1 | 35 | 35 | 60.3 | 7.62E-292 | S,M |
| P19660 | Cathelicidin-2 | CATHL2 | 3 | 3 | 13.6 | 3.29E-10 | S,M |
| P22226 | Cathelicidin-1 | CATHL1 | 5 | 5 | 40 | 1.04E-21 | S,M |
| P24627 | Lactotransferrin | LTF | 33 | 33 | 51.1 | 8.17E-267 | S,M |
| P26201 | Platelet glycoprotein 4 | CD36 | 6 | 6 | 10.4 | 1.14E-28 | S,M |
| P31096 | Osteopontin | SPP1 | 7 | 7 | 22.7 | 2.30E-36 | S,M |
| P31976 | Ezrin | EZR | 2 | 2 | 4.1 | 1.47E-09 | S,M |
| P33046 | Cathelicidin-4 | CATHL4 | 3 | 3 | 20.8 | 1.01E-09 | S,M |
| P63258 | Actin, cytoplasmic 2 | ACTG1 | 8 | 8 | 28.1 | 1.13E-32 | S,M |
| P80025 | Lactoperoxidase | LPO | 18 | 18 | 32.3 | 1.70E-53 | S,M |
| P80195 | Glycosylation-dependent cell adhesion molecule 1 | GLYCAM1 | 11 | 11 | 50.3 | 7.63E-45 | S,M |
| P81265 | Polymeric immunoglobulin receptor | PIGR | 27 | 27 | 33.8 | 1.09E-191 | S,M |
| Q03247 | Apolipoprotein E | APOE | 12 | 12 | 32 | 6.13E-39 | S,M |
| Q0VCX2 | 78 kDa glucose-regulated protein | HSPA5 | 5 | 4 | 10.8 | 2.39E-19 | S,M |
| Q1RMK2 | IGHM protein | IGHM | 11 | 11 | 33.2 | 7.39E-86 | S,M |
| Q1RMN8 | Similar to Immunoglobulin lambda-like polypeptide 1 | | 8 | 8 | 33.8 | 1.47E-76 | S,M |
| Q27960 | Sodium-dependent phosphate transport protein 2B | SLC34A2 | 13 | 13 | 21 | 4.99E-80 | S,M |
| Q2UVX4 | Complement C3 | C3 | 50 | 50 | 32.3 | 1.64E-208 | S,M |
| Q32PA1 | CD59 molecule, complement regulatory protein | CD59 | 3 | 3 | 27 | 1.49E-08 | S,M |
| Q3SX14 | Gelsolin | GSN | 8 | 8 | 12.5 | 6.58E-23 | S,M |
| Q5E9F7 | Cofilin-1 | CFL1 | 2 | 2 | 13.9 | 3.75E-06 | S,M |
| Q95114 | Lactadherin | MFGE8 | 25 | 25 | 48.5 | 4.77E-221 | S,M |
| Q95122 | Monocyte differentiation antigen CD14 | CD14 | 4 | 4 | 13.1 | 7.75E-21 | S,M |
| Q9MZ06 | Fibroblast growth factor-binding protein 1 | FGFBP1 | 4 | 4 | 19.7 | 1.14E-15 | S,M |
| A1L528 | member RAS oncogene family | RAB1A | 6 | 6 | 34.6 | 1.08E-25 | M |
| A2VDV1 | Ankyrin repeat domain 22 | ANKRD22 | 3 | 3 | 17.3 | 1.64E-07 | M |
| A3FPG8 | Glycerol-3-phosphate acyltransferase 4 | AGPAT6 | 4 | 4 | 8.8 | 2.47E-14 | M |
| A4FUD2 | HSD17B7 | HSD17B7 | 3 | 3 | 6.6 | 1.02E-10 | M |
| A5D977 | RALB protein | RALB | 2 | 1 | 9.7 | 4.67E-08 | M |
| A5PK13 | Leucine-rich repeat-containing protein 8C | LRC8C | 4 | 4 | 6.6 | 3.04E-14 | M |
| A5PK61 | Histone H3 |  | 2 | 2 | 8.1 | 2.67E-06 | M |
| A5PKL2 | RRAS2 protein | RRAS2 | 2 | 2 | 11.3 | 8.11E-06 | M |
| A6QLS9 | RAB10 protein | RAB10 | 2 | 1 | 11 | 1.83E-10 | M |
| A6QPP7 | ELA2 protein | ELA2 | 3 | 3 | 11.9 | 6.61E-08 | M |
| A6QPT4 | MPO protein | MPO | 2 | 2 | 2.8 | 2.76E-06 | M |
| A6QR35 | SCAMP2 protein | SCAMP2 | 2 | 2 | 7.9 | 1.59E-05 | M |
| A6QR46 | Ras-related protein Rab-6B | RAB6B | 2 | 2 | 11.1 | 3.45E-06 | M |
| A7MB57 | Tyrosine-protein kinase Yes | YES1 | 2 | 2 | 4.6 | 4.12E-08 | M |
| A7YWF1 | ACSS2 protein | ACSS2 | 2 | 2 | 4.1 | 9.44E-12 | M |
| A7Z024 | RP2 protein | RP2 | 2 | 2 | 5.4 | 0.000251 | M |
| E1B749 | Sodium/glucose cotransporter 4 | SGLT4 | 4 | 4 | 8.7 | 1.09E-14 | M |
| E1BA29 | Guanine nucleotide binding protein (G protein), q polypeptide | GNAQ | 6 | 6 | 19.2 | 2.48E-18 | M |
| E1BB50 | Cyclin-dependent kinase 12 | CDK12 | 2 | 2 | 1.3 | 0.000639 | M |
| E1BCI3 | Cationic amino acid transporter 4 | SLC7A4 | 4 | 4 | 7.9 | 5.06E-12 | M |
| E1BG26 | Putative cation-transporting ATPase 13A3 | ATP13A3 | 2 | 2 | 1.9 | 9.22E-05 | M |
| E1BJL8 | Folate receptor alpha | FOLR1 | 4 | 4 | 17.9 | 6.91E-18 | M |
| E1BJV0 | EH domain-containing protein 4 | EHD4 | 2 | 2 | 5 | 1.79E-10 | M |
| E1BNX1 | Ras-related protein Rab-3D | RAB3D | 3 | 2 | 14.6 | 3.79E-09 | M |
| E1BQ28 | Zinc transporter ZIP8 | SLC39A8 | 5 | 5 | 6.3 | 1.32E-10 | M |
| F1MD24 | Sodium/glucose cotransporter 1 | SGLT1 | 4 | 4 | 6 | 5.64E-14 | M |
| F1MDL3 | Syntaxin-3 | STX3 | 4 | 4 | 15.8 | 1.06E-12 | M |
| F1MDQ6 | cGMP-dependent protein kinase | PRKG2 | 2 | 2 | 3.9 | 2.96E-08 | M |
| F1MEX9 | Long-chain-fatty-acid--CoA ligase 3 | ACSL3 | 3 | 3 | 4.6 | 1.71E-07 | M |
| F1MGR1 | Solute carrier family 28 member 3 | SLC28A3 | 7 | 7 | 13.5 | 1.58E-82 | M |
| F1MHC2 | Syntaxin binding protein 2 | STXBP2 | 5 | 5 | 9.4 | 1.45E-17 | M |
| F1MHQ9 | Coiled-coil domain-containing protein 141 | CCDC141 | 2 | 2 | 2.3 | 0.000475 | M |
| F1MLR4 | Ciliary neurotrophic factor receptor subunit alpha | CNTFR | 2 | 2 | 5.9 | 7.93E-05 | M |
| F1MPK7 | Solute carrier family 15 member 2 | SLC15A2 | 3 | 3 | 5.4 | 4.23E-11 | M |
| F1MQ37 | Myosin-9 | MYH9 | 4 | 4 | 2.3 | 2.14E-14 | M |
| F1MSJ9 | RAB35 | RAB35 | 7 | 7 | 28.4 | 3.07E-17 | M |
| F1MUP9 | Synaptic vesicle membrane protein VAT-1 homolog | VAT1 | 2 | 2 | 6.5 | 2.66E-10 | M |
| F1MVJ8 | Olfactomedin-4 | OLFM4 | 2 | 2 | 5.1 |  | M |
| F1N261 | Tyrosine-protein kinase Lyn | LYN | 2 | 2 | 4.1 | 0.000107 | M |
| F1N272 | Putative cation-transporting ATPase 13A4 | ATP13A4 | 2 | 2 | 7.9 | 5.04E-32 | M |
| F1N2R1 | Stomatin | STOM | 9 | 9 | 39.8 | 1.74E-83 | M |
| F6QVC9 | Annexin A5 | ANXA5 | 4 | 4 | 18.4 | 1.19E-24 | M |
| F6RC46 | Aldehyde dehydrogenase | LOC508879 | 2 | 2 | 4.9 | 2.85E-06 | M |
| F6RF48 | Vesicle transport protein SFT2B | SFT2D2 | 2 | 2 | 16.9 | 2.88E-08 | M |
| G3N0S9 | C4b-binding protein alpha chain |  | 2 | 2 | 9 | 8.65E-05 | M |
| G3N3U3 | CIDEA protein | CIDEA | 4 | 4 | 30.3 | 1.05E-09 | M |
| G5E554 | Similar to Patatin-like phospholipase domain-containing protein 3 | PNPLA3 | 2 | 2 | 8.5 | 2.63E-13 | M |
| G5E6P3 | Guanine nucleotide-binding protein subunit alpha-13 | GNA13 | 2 | 1 | 7.7 | 5.09E-07 | M |
| H9GW43 | Ribonuclease/angiogenin inhibitor 1 | RNH1 | 2 | 2 | 10.4 | 1.02E-05 | M |
| P02253 | Histone H1.2 | HIST1H1C | 6 | 6 | 31 | 2.94E-23 | M |
| P04272 | Annexin A2 | ANXA2 | 4 | 4 | 10.9 | 2.95E-13 | M |
| P04896 | Guanine nucleotide-binding protein G(s) subunit alpha isoforms short | GNAS | 4 | 3 | 10.9 | 5.80E-13 | M |
| P07514 | NADH-cytochrome b5 reductase 3 | CYB5R3 | 4 | 4 | 15.2 | 7.90E-42 | M |
| P08239 | Guanine nucleotide-binding protein G(o) subunit alpha | GNAO1 | 3 | 2 | 11 | 7.39E-08 | M |
| P09487 | Alkaline phosphatase, tissue-nonspecific isozyme | ALPL | 4 | 4 | 8.6 | 2.07E-12 | M |
| P0C0S9 | Histone H2A | HIST1H2A | 4 | 4 | 20.8 | 1.10E-09 | M |
| P0CH28 | Polyubiquitin-C | UBC | 2 | 2 | 32.6 | 1.65E-11 | M |
| P10152 | Angiogenin-1 | ANG1 | 2 | 2 | 10.8 | 0.000164 | M |
| P11017 | Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 | GNB2 | 3 | 3 | 15.3 | 2.65E-15 | M |
| P13214 | Annexin A4 | ANXA4 | 3 | 3 | 15 | 1.26E-13 | M |
| P15396 | Ectonucleotide pyrophosphatase/phosphodiesterase family member 3 | ENPP3 | 8 | 8 | 10 | 1.15E-29 | M |
| P19120 | Heat shock cognate 71 kDa protein | HSPA8 | 9 | 9 | 16.2 | 1.21E-26 | M |
| P19483 | ATP synthase subunit alpha, mitochondrial | ATP5A1 | 2 | 2 | 5.1 | 0.000105 | M |
| P20072 | Annexin A7 | ANXA7 | 2 | 2 | 4.1 | 0.000364 | M |
| P27214 | Annexin A11 | ANXA11 | 2 | 2 | 5.4 | 9.41E-07 | M |
| P28782 | Protein S100-A8 | S100A8 | 4 | 4 | 24.7 | 1.08E-08 | M |
| P28783 | Protein S100-A9 | S100A9 | 2 | 2 | 17.9 | 5.33E-07 | M |
| P30932 | CD9 antigen | CD9 | 3 | 3 | 15 | 7.47E-08 | M |
| P35541 | Serum amyloid A protein | SAA1 | 6 | 6 | 39.7 | 1.20E-16 | M |
| P38409 | Guanine nucleotide-binding protein subunit alpha-11 | GNA11 | 5 | 3 | 15.6 | 4.52E-13 | M |
| P46193 | Annexin A1 | ANXA1 | 10 | 10 | 37 | 1.72E-35 | M |
| P48616 | Vimentin | VIM | 3 | 2 | 6 | 1.09E-06 | M |
| P61223 | Ras-related protein Rap-1b | RAP1B | 5 | 5 | 16.3 | 6.72E-11 | M |
| P61585 | Transforming protein RhoA | RHOA | 4 | 4 | 19.2 | 2.80E-14 | M |
| P62261 | 14-3-3 protein epsilon | YWHAE | 2 | 2 | 9 | 1.39E-07 | M |
| P62803 | Histone H4 | H4 | 6 | 6 | 40.4 | 5.74E-15 | M |
| P62808 | Histone H2B | HIST1H2BN | 4 | 4 | 33.3 | 5.83E-11 | M |
| P62871 | Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1 | GNB1 | 6 | 6 | 24.1 | 3.94E-23 | M |
| P62935 | Peptidyl-prolyl cis-trans isomerase A | PPIA | 2 | 2 | 13.4 | 1.20E-09 | M |
| P62998 | Ras-related C3 botulinum toxin substrate 1 | RAC1 | 3 | 3 | 15.6 | 5.89E-08 | M |
| P63097 | Guanine nucleotide-binding protein G(i) subunit alpha-1 | GNAI1 | 4 | 1 | 12.1 | 1.09E-13 | M |
| P63103 | 14-3-3 protein zeta/delta | YWHAZ | 4 | 4 | 19.2 | 1.73E-11 | M |
| P63217 | Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5 | GNG5 | 2 | 2 | 29.4 | 0.000168 | M |
| P68103 | Elongation factor 1-alpha 1 | EEF1A1 | 5 | 5 | 9.3 | 1.40E-12 | M |
| P81644 | Apolipoprotein A-II |  | 2 | 2 | 11 | 5.13E-05 | M |
| P84466 | Lanosterol synthase | LSS | 9 | 9 | 13.3 | 6.22E-25 | M |
| Q05927 | 5-nucleotidase | NT5E | 7 | 7 | 16.7 | 1.83E-21 | M |
| Q08E42 | Leucine rich repeat containing 8 family, member A | LLRC8A | 2 | 2 | 2.3 | 8.29E-05 | M |
| Q0II86 | Synaptosomal-associated protein 29 | SNAP29 | 3 | 3 | 14.3 | 2.61E-08 | M |
| Q0IIG8 | Ras-related protein Rab-18 | RAB18 | 9 | 9 | 57.3 | 1.49E-45 | M |
| Q0VCH9 | GLI pathogenesis-related 2 | GLIPR2 | 2 | 2 | 16.9 | 6.32E-06 | M |
| Q0VCZ8 | Acyl-CoA synthetase long-chain family member 1 | ACSL1 | 16 | 16 | 24 | 2.74E-48 | M |
| Q148J4 | RAB2A, member RAS oncogene family | RAB2A | 3 | 3 | 18 | 3.78E-06 | M |
| Q148L0 | Chromatin modifying protein 6 | CHMP6 | 2 | 2 | 10.4 | 1.65E-06 | M |
| Q1JQD4 | PDZ domain-containing protein GIPC2 | GIPC2 | 3 | 3 | 11.5 | 1.13E-12 | M |
| Q1RMI2 | Ras homolog gene family, member G (Rho G | RHOG | 2 | 2 | 15.2 | 3.76E-11 | M |
| Q1RMW9 | Golgi phosphoprotein 3 (Coat-protein) | GOLPH3 | 2 | 2 | 9.4 | 0.000615 | M |
| Q28065 | C4b-binding protein alpha chain | C4BPA | 2 | 2 | 3.3 | 1.65E-06 | M |
| Q2HJH2 | Ras-related protein Rab-1B | RAB1B | 6 | 4 | 36.3 | 6.58E-21 | M |
| Q2KII3 | Hepatitis A virus cellular receptor 1 N-terminal domain containing protein | MGC137099 | 2 | 2 | 17.6 | 3.32E-06 | M |
| Q2KIS4 | Dehydrogenase/reductase (SDR family) member 1 | DHRS1 | 7 | 7 | 29.8 | 8.72E-20 | M |
| Q2T9M8 | Synaptosomal-associated protein | SNAP23 | 9 | 9 | 55 | 2.12E-42 | M |
| Q2TBU0 | Haptoglobin | HP | 4 | 4 | 11 | 3.85E-10 | M |
| Q3MHP2 | Ras-related protein Rab-11B | RAB11B | 5 | 5 | 24.3 | 1.79E-15 | M |
| Q3SX32 | Mannose 6 phosphate receptor binding protein 1 | M6PRBP1 | 6 | 6 | 15.8 | 3.36E-19 | M |
| Q3SYS6 | Calcineurin B homologous protein 1 | CHP1 | 6 | 6 | 35.4 | 2.90E-19 | M |
| Q3SYU2 | Elongation factor 2 | EEF2 | 2 | 2 | 2.8 | 4.04E-05 | M |
| Q3SZA1 | Rho-related GTP-binding protein RhoF | RHOF | 2 | 2 | 15.3 | 4.71E-17 | M |
| Q3SZF2 | ADP-ribosylation factor 4 | ARF4 | 4 | 4 | 21.7 | 2.39E-08 | M |
| Q3SZI4 | 14-3-3 protein theta | YWHAQ | 2 | 2 | 9 | 8.90E-06 | M |
| Q3T000 | Synaptobrevin homolog YKT6 | YKT6 | 4 | 4 | 22.7 | 1.08E-12 | M |
| Q3T0D7 | GTP-binding protein SAR1a | SAR1A | 4 | 4 | 21.2 | 5.57E-12 | M |
| Q3T0F5 | Ras-related protein Rab-7a | RAB7A | 2 | 2 | 13 | 1.43E-18 | M |
| Q3T0Y8 | Vesicle-associated membrane protein 8 | VAMP8 | 2 | 2 | 23 | 0.00057 | M |
| Q3T149 | Heat shock protein beta-1 | HSPB1 | 2 | 2 | 15.4 | 6.48E-09 | M |
| Q3ZBE9 | Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating | NSDHL | 4 | 4 | 12.6 | 2.09E-10 | M |
| Q3ZC83 | Solute carrier family 29 (Nucleoside transporters), member 1 | SLC29A1 | 3 | 3 | 9.2 | 2.66E-11 | M |
| Q3ZCA7 | Guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3 | GNAI3 | 6 | 6 | 20.9 | 3.05E-62 | M |
| Q3ZCK2 | Ras-related protein Ral-A | RALA | 4 | 4 | 19.9 | 3.76E-12 | M |
| Q4GZT4 | ATP-binding cassette sub-family G member 2 | ABCG2 | 22 | 22 | 32.5 | 9.88E-83 | M |
| Q56JZ1 | 60S ribosomal protein L13 | RPL13 | 2 | 2 | 6.8 | 0.000651 | M |
| Q58CY6 | Prostamide/prostaglandin F synthase | FAM213B | 2 | 2 | 10 | 3.36E-05 | M |
| Q58DG6 | F-box/LRR-repeat protein 20 | FBXL20 | 2 | 2 | 5.7 | 3.64E-06 | M |
| Q58DS5 | Ras-related protein Rab-13 | RAB13 | 3 | 3 | 16.4 | 8.13E-08 | M |
| Q58DS9 | Ras-related protein Rab-5C | RAB5C | 3 | 3 | 17.6 | 3.93E-14 | M |
| Q58DW6 | Ras-related protein Rab-25 | RAB25 | 3 | 2 | 17.4 | 6.02E-10 | M |
| Q5EA19 | ADP-ribosylation factor-like protein 15 | ARL15 | 2 | 2 | 13.4 | 3.45E-10 | M |
| Q5EA79 | Aldose 1-epimerase | GALM | 2 | 2 | 7.3 | 5.35E-08 | M |
| Q5GJ77 | Glycerol-3-phosphate acyltransferase 1, mitochondrial | GPAM | 3 | 2 | 5.5 | 6.32E-24 | M |
| Q6QRN7 | PP1201 protein | RECS1 | 3 | 3 | 8.8 | 3.31E-09 | M |
| Q6VE48 | Membrane cofactor protein | CD46 | 3 | 3 | 11.7 | 3.35E-15 | M |
| Q71SP7 | Fatty acid synthase | FASN | 32 | 32 | 14.6 | 1.97E-144 | M |
| Q76LV1 | Heat shock protein HSP 90-beta | HSP90AB1 | 5 | 2 | 8.4 | 5.35E-48 | M |
| Q76LV2 | Heat shock protein HSP 90-alpha | HSP90AA1 | 5 | 5 | 9.5 | 3.16E-52 | M |
| Q8MI01 | Mucin-15 | MUC15 | 6 | 6 | 16.1 | 3.01E-14 | M |
| Q8SPP7 | Peptidoglycan recognition protein 1 | PGLYRP1 | 3 | 3 | 18.9 | 2.20E-07 | M |
| Q95LA9 | Toll-like receptor 2 | TLR2 | 4 | 4 | 4.3 | 5.82E-11 | M |
| Q9TT94 | Acyl-CoA desaturase | SCD | 2 | 2 | 5.8 | 2.88E-07 | M |
| Q9TTS3 | Acetyl-CoA carboxylase 1 | ACACA | 11 | 11 | 5.4 | 1.56E-28 | M |
| Q9TUM6 | Adipophilin | ADFP | 34 | 34 | 63.3 | 2.70E-223 | M |
| Q9XSG3 | Isocitrate dehydrogenase [NADP] cytoplasmic | IDH1 | 2 | 2 | 4.8 | 1.31E-09 | M |

1S: serum; M: MFGM