Supplemental table 3 List of differential proteins (down-regulated)

|  |  |  |  |
| --- | --- | --- | --- |
| NCBInr Description | Ratio NC/SY | P-value NC/SY | NCBInr Accession |
| microfibril-associated glycoprotein 4 precursor | 0.47 | 0.001 | gi|123858762 |
| lipopolysaccharide-binding protein precursor | 0.23 | 0.001 | gi|296481091 |
| 60S ribosomal protein L4-like | 0.11 | 0.008 | gi|296476944 |
| CD5 antigen-like precursor | 0.55 | 0.001 | gi|156120885 |
| apolipoprotein D precursor | 0.38 | 0.001 | gi|115494984 |
| glutathione peroxidase 3 precursor | 0.27 | 0.001 | gi|27806593 |
| phosphatidylcholine-sterol acyltransferase precursor | 0.41 | 0.016 | gi|114051546 |
| complement component 4 binding protein, alpha chain precursor | 0.64 | 0.001 | gi|146231832 |
| Enterotoxin-binding glycoprotein PP20K (Fragment) | 0.33 | 0.028 | - |
| serum amyloid A protein precursor | 0.1 | 0.001 | gi|115497340 |
| apolipoprotein A-I preproprotein | 0.32 | 0.001 | gi|75832056 |
| SLAM family member 5, partial | 0.2 | 0.014 | gi|440899076 |
| lumican precursor | 0.65 | 0.001 | gi|27806853| |
| IgM heavy chain constant region, secretory form | 0.6 | 0.001 | gi|28592070 |
| TPA: apolipoprotein A-IV precursor | 0.23 | 0.001 | gi|296480272 |
| Apolipoprotein D, partial | 0.44 | 0.001 | gi|440904404 |
| complement C1q subcomponent subunit B precursor | 0.62 | 0.002 | gi|114051157 |
| C1QC protein | 0.33 | 0.001 | gi|92097580 |
| serum amyloid A-4 protein precursor | 0.39 | 0.001 | gi|94966809 |
| complement component C9 precursor | 0.34 | 0.001 | gi|78369352 |
| Complement C1s subcomponent | 0.39 | 0.001 | gi|146286057 |
| apolipoprotein A-II precursor | 0.65 | 0.004 | gi|114052298 |
| Complement C4 Precursor | 0.32 | 0.013 | gi|31563307 |
| clusterin preproprotein | 0.31 | 0.001 | gi|27806907 |
| elongation factor 1-alpha 1 | 0.72 | 0.043 | gi|4503471 |
| Galectin-3-binding protein | 0.66 | 0.008 | gi|218526525 |
| EGF-containing fibulin-like extracellular matrix protein 1 precursor | 0.53 | 0.033 | gi|126165232 |
| ribonuclease 4 precursor | 0.58 | 0.021 | gi|95006989 |
| apolipoprotein C-III precursor | 0.45 | 0.001 | gi|47564119 |
| ApoN protein | 0.66 | 0.002 | gi|86438511| |
| selenoprotein P precursor | 0.42 | 0.001 | gi|156631001 |
| Vitamin K-dependent protein C | 0.57 | 0.001 | gi|131065 |
| TPA: kappa light chain-like | 0.23 | 0.001 | gi|296482544 |
| complement component C8 gamma chain precursor | 0.61 | 0.001 | gi|158519861 |
| uncharacterized protein LOC510860 precursor | 0.41 | 0.001 | gi|115495991 |
| TPA: keratinocyte differentiation-associated protein | 0.35 | 0.041 | gi|296477739 |
| coagulation factor X precursor | 0.4 | 0.001 | gi|262050638 |
| TPA: complement C4 | 0.43 | 0.001 | gi|296474220 |
| procollagen C-endopeptidase enhancer 1 precursor | 0.62 | 0.001 | gi|114052653 |
| TPA: complement component 8, alpha polypeptide | 0.65 | 0.005 | gi|296489078 |
| complement C4 precursor | 0.4 | 0.001 | gi|262050656 |
| TPA: complement component C7 precursor | 0.64 | 0.001 | gi|296475775 |
| TPA: proteoglycan 4 | 0.57 | 0.001 | gi|296478893 |
| Prothrombin | 0.58 | 0.001 | gi|135806 |
| TPA: ADAM metallopeptidase with thrombospondin type 1 motif, 13 | 0.62 | 0.001 | gi|296482106 |
| olfactomedin-like protein 3 precursor | 0.56 | 0.015 | gi|115497736 |
| apolipoprotein C-IV precursor [ | 0.36 | 0.001 | gi|77736596 |
| Plasma serine protease inhibitor | 0.52 | 0.012 | gi|440905713 |
| coagulation factor XIII B chain precursor | 0.72 | 0.007 | gi|84370091 |
| Coagulation factor IX | 0.68 | 0.001 | gi|440905148 |
| Actin, alpha 1, skeletal muscle | 0.6 | 0.028 | gi|134024776 |
| fibulin-5 precursor | 0.61 | 0.009 | gi|62460592 |
| apolipoprotein E precursor | 0.33 | 0.001 | gi|27806739 |
| TPA: factor XIIa inhibitor precursor | 0.59 | 0.001 | gi|296479521 |
| nidogen-1 precursor | 0.6 | 0.004 | gi|155372035 |
| P4HB protein | 0.49 | 0.007 | gi|148878430 |
| actin, cytoplasmic 2 | 0.74 | 0.007 | gi|4501887 |
| coagulation factor VII precursor | 0.46 | 0.001 | gi|77736594 |
| TPA: RNA binding motif protein 12-like | 0.37 | 0.03 | gi|296480442 |
| peroxiredoxin-2 | 0.7 | 0.001 | gi|27807469 |
| fibrinogen-like protein 1 precursor | 0.75 | 0.004 | gi|77735579 |
| bromodomain-containing protein 9 | 0.23 | 0.001 | gi|300796945 |
| major allergen beta-lactoglobulin | 0.27 | 0.038 | gi|195957138 |
| TPA: mannan-binding lectin serine protease 1 | 0.52 | 0.001 | gi|296491298 |
| calpain small subunit 1 | 0.42 | 0.025 | gi|27806277 |
| complement factor H precursor | 0.73 | 0.001 | gi|76677897 |
| immunoglobulin J chain precursor | 0.69 | 0.001 | gi|32401410 |
| tubulin alpha-4A chain | 0.35 | 0.004 | gi|6678467 |
| Carboxypeptidase B | 0.82 | 0.03 | gi|134047711 |
| IgM heavy chain constant region | 0.62 | 0.001 | gi|2232299 |
| protein Z-dependent protease inhibitor precursor | 0.37 | 0.001 | gi|149642955 |
| TIR domain-containing adapter molecule 1 | 0.1 | 0.031 | gi|166987397 |
| HSP90AA1 protein | 0.66 | 0.001 | gi|12654329 |
| apolipoprotein E precursor | 0.2 | 0.001 | gi|27806739 |
| alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6 | 0.4 | 0.03 | gi|115749610 |
| CD14 antigen | 0.62 | 0.001 | gi|157703516 |
| coagulation factor V precursor | 0.38 | 0.002 | gi|27806943|r |
| uncharacterized protein LOC790886 precursor [ | 0.42 | 0.030 | gi|157279963 |
| Actin, gamma-enteric smooth muscle | 0.5 | 0.001 | gi|431920358 |
| TPA: serum amyloid A protein-like | 0.59 | 0.001| | gi|296471870 |
| TPA: complement component 8, beta polypeptide | 0.58 | 0.001 | gi|296489069 |
| endoplasmin precursor | 0.71 | 0.037 | gi|27807263 |
| apolipoprotein C-II precursor | 0.37 | 0.001 | gi|156139070 |
| TPA: fibulin 1 | 0.49 | 0.001 | gi|296486900 |
| clusterin precursor | 0.41 | 0.023 | gi|47522770 |
| complement component C6 precursor | 0.7 | 0.001 | gi|114051692 |
| histidine-rich glycoprotein precursor | 0.61 | 0.001 | gi|27806875 |
| TPA: complement component 4 binding protein, alpha chain-like | 0.36 | 0.001 | gi|296479410 |
| complement component 1, r subcomponent | 0.46 | 0.001 | gi|146231866 |
| sulfhydryl oxidase 1 precursor [ | 0.46 | 0.001 | gi|156120795| |
| vitronectin precursor | 0.66 | 0.001 | gi|78045497 |
| solute carrier family 30 member 1 | 0.28 | 0.001 | gi|326321600 |
| Histone H4 | 0.16 | 0.001 | gi|344240018 |
| complement C1q subcomponent subunit A precursor | 0.4 | 0.001 | gi|62460582 |

Supplemental table 3 List of differential proteins (up-regulated)

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| --- | --- | --- | --- |
| NCBInr Description | Ratio NC/SY | P-value | NCBInr Accession |
| TPA: icos ligand-like | 4.45 | 0.001 | gi|296490898 |
| angiotensinogen precursor | 4.24 | 0.001 | gi|166159174 |
| PREDICTED: LOW QUALITY PROTEIN: apolipoprotein B-100 | 1.32 | 0.001 | gi|358414526 |
| TPA: SERPINA3-8 | 8.07 | 0.001 | gi|296475182 |
| TPA: myosin VIIA and Rab interacting protein-like | 6.98 | 0.034 | gi|296475126 |
| PREDICTED: immunoglobulin lambda-like polypeptide 5-like | 5.21 | 0.001 | gi|358416465 |
| protein HP-20 homolog precursor | 8.28 | 0.001 | gi|114051225 |
| xaa-Pro dipeptidase | 3.52 | 0.005 | gi|260593653 |
| acidic mammalian chitinase precursor | 2.96 | 0.001 | gi|27807261 |
| ceruloplasmin precursor | 1.72 | 0.001 | gi|375065868 |
| PREDICTED: transmembrane protein C18orf45 | 5.13 | 0.002 | gi|194678088 |
| TPA: endopin 1b | 4.32 | 0.001 | gi|296475221 |
| zinc-alpha-2-glycoprotein precursor | 3.9 | 0.018 | gi|77735615 |
| cathepsin S precursor | 4.02 | 0.006 | gi|75812934 |
| immunoglobulin light chain variable region | 3.22 | 0.001 | gi|2323386 |
| Trypsin inhibitor (Fragments) | 8.72 | 0.008 | - |
| von Willebrand factor precursor | 1.4 | 0.041 | gi|328887902 |
| [IGL@ protein](mailto:IGL@%20protein) | 4.46 | 0.026 | gi|148744106 |
| complement factor B precursor | 3.45 | 0.001 | gi|95147674 |
| TPA: complement factor I | 4.84 | 0.001 | gi|296486756 |
| inhibitor of carbonic anhydrase precursor] | 8.66 | 0.048 | gi|114053269 |
| IGK protein | 3.25 | 0.008 | gi|115545495 |
| transforming growth factor-beta-induced protein ig-h3 precursor | 1.23 | 0.002 | gi|329663916 |
| peroxisome proliferator activated receptor beta | 10 | 0.004 | gi|8132822 |
| Pantetheinase | 4.49 | 0.001 | gi|75057535 |
| TPA: pancreatic amylase alpha 2A | 2.66 | 0.001 | gi|296489335 |
| complement C2 precursor | 2.38 | 0.001 | gi|77735935 |
| alpha-1-antiproteinase precursor | 7.21 | 0.001 | gi|27806941 |
| Coatomer subunit alpha | 10 | 0.001 | gi|2494888 |
| alpha-1B-glycoprotein precursor | 9.05 | 0.001 | gi|114053019 |
| hemopexin precursor | 7.34 | 0.001 | gi|77736171 |
| TPA: endopin 2C-like | 5.94 | 0.001 | gi|296475302 |
| alpha-2-macroglobulin precursor | 4.28 | 0.001 | gi|157954061 |
| IgG2a heavy chain constant region | 4.85 | 0.001 | gi|1699167 |
| vitamin D-binding protein precursor | 5.72 | 0.001 | gi|78369364 |
| alpha-2-HS-glycoprotein precursor | 4.03 | 0.001 | gi|27806751 |
| TPA: lymphocyte cytosolic protein 1 (L-plastin) | 3.36 | 0.001 | gi|296481841 |
| Apolipoprotein H (beta-2-glycoprotein I) | 5.15 | 0.001 | gi|109939993 |
| TPA: SH2 containing inositol phosphatase | 10 | 0.033 | gi|296488823 |
| serum paraoxonase/arylesterase 1 precursor | 1.5 | 0.001 | gi|114053183 |
| carbonic anhydrase 2 | 9.57 | 0.004 | gi|30466252 |
| TPA: G protein-coupled receptor 83 | 4.05 | 0.001 | gi|296480378 |
| TPA: collagen, type VI, alpha 3-like isoform 1 | 1.38 | 0.007 | gi|296488811 |
| pantetheinase precursor | 3.7 | 0.009 | gi|255652936 |
| fibrinogen alpha chain precursor | 1.37 | 0.002 | gi|75812954 |
| alpha-2-antiplasmin precursor | 1.95 | 0.001 | gi|27807209 |
| carboxypeptidase N subunit 2 precursor | 2.37 | 0.001 | gi|155372183 |
| beta-2-microglobulin precursor | 4.66 | 0.001 | gi|41386683 |
| Serotransferrin | 4.22 | 0.001 | gi|2501351 |
| sex hormone-binding globulin | 5.93 | 0.001 | gi|38325826 |
| PREDICTED: LPS-responsive vesicle trafficking, beach and anchor containing, partial | 3.8 | 0.018 | gi|358416226 |
| TPA: PRAMEF8 protein-like | 4.02 | 0.013 | gi|296471966 |
| extracellular superoxide dismutase [Cu-Zn] precursor | 2.38 | 0.018 | gi|129277510 |
| TPA: immunoglobulin iota chain-like | 2.09 | 0.001 | gi|296478361 |
| TPA: primary amine oxidase, liver isozyme-like | 3.53 | 0.001 | gi|296476451 |
| TPA: coagulation factor XII precursor | 2.96 | 0.002 | gi|296485509 |
| retinol-binding protein 4 precursor | 7.02 | 0.001 | gi|164420709 |
| complement component C8 alpha chain precursor | 2.65 | 0.032 | gi|114053319 |
| alpha-fetoprotein precursor | 10 | 0.001 | gi|77735479 |
| pigment epithelium-derived factor precursor | 5.01 | 0.001| | gi|27806487 |
| TPA: IST1 homolog | 10 | 0.001 | gi|296477929 |
| interleukin-1 receptor accessory protein precursor | 3.66 | 0.007 | gi|115495597 |
| catalase | 2.36 | 0.003 | gi|78369302 |
| immunoglobulin heavy chain, partial | 2.8 | 0.002 | gi|1322312 |
| Protein HP-25-like protein 2 | 8.73 | 0.001 | gi|440903968 |
| ALB protein | 10 | 0.003 | gi|154425704 |
| TPA: membrane primary amine oxidase | 4.52 | 0.021 | gi|296476304 |
| TPA: vitamin D-binding protein precursor | 4.73 | 0.001 | gi|296486435 |
| TPA: amylase, alpha 2A (pancreatic) | 4.57 | 0.022 | gi|296489419 |
| PREDICTED: uncharacterized protein LOC100300806, partial | 2.3 | 0.003 | gi|359061754 |
| L-lactate dehydrogenase B chain; Short=LDH-B | 2.41 | 0.001 | gi|118572666 |
| fetuin-B precursor | 8.89 | 0.001 | gi|77735387 |
| inter-alpha-trypsin inhibitor heavy chain H3 precursor | 1.5 | 0.001 | gi|156120445 |
| vinculin | 1.35 | 0.001 | gi|300798390 |
| plasminogen precursor | 1.54 | 0.001 | gi|27806815 |
| keratin, type II cuticular Hb6 | 10 | 0.001 | gi|300796466 |
| rab GTPase-activating protein 1 | 5.81 | 0.007 | gi|329299101 |
| afamin precursor | 1.28 | 0.009 | gi|300793939 |
| TPA: inter-alpha-trypsin inhibitor heavy chain H1 precursor | 2.81 | 0.001 | gi|296474790 |
| alpha-amylase 2B precursor | 4.32 | 0.001 | gi|78042496 |
| coagulation factor XII precursor | 2.11 | 0.003 | gi|115496224 |
| TPA: 72 kDa type IV collagenase precursor | 3.05 | 0.037 | gi|296477900 |
| Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7 | 7.34 | 0.001 | gi|74268410 |
| Collagen alpha-1(VI) chain | 1.62 | 0.004 | gi|440900498 |
| Corticosteroid-binding globulin | 3.29 | 0.007 | gi|408407579 |
| alpha-2-macroglobulin variant 5 | 5.41 | 0.001 | gi|408689573 |
| TPA: immunoglobulin iota chain-like | 2.56 | 0.019 | gi|296478322 |
| legumain precursor | 2.47 | 0.006 | gi|27806555 |
| TPA: acidic mammalian chitinase precursor | 1.77 | 0.021 | gi|296489327 |
| inter-alpha-trypsin inhibitor heavy chain H1 precursor | 3.55 | 0.001 | gi|115496418 |
| serpin A3-2 precursor | 5.25 | 0.001 | gi|226373737 |
| endopin 2C | 6.21 | 0.001 | gi|62126072 |
| TPA: endopin 2 | 7.26 | 0.001 | gi|296475175 |
| Unknown (protein for MGC:159455) | 3.04 | 0.001 | gi|148744128 |
| haptoglobin precursor | 1.77 | 0.043 | gi|94966763 |
| TPA: peptidoglycan recognition protein L-like | 2.8 | 0.016 | gi|296486107 |
| serpin A3-3 precursor | 3 | 0.001 | gi|84000377 |
| alpha-2-macroglobulin variant 4 | 3.02 | 0.001 | gi|408689571 |
| protein HP-25 homolog 1 precursor | 8.07 | 0.013 | gi|114050753 |
| TPA: sushi domain containing 1 | 5.06 | 0.034 | gi|296484374 |
| TPA: serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3 | 4.91 | 0.001 | gi|296475228 |
| PREDICTED: sacsin | 8.94 | 0.001 | gi|76631591 |
| immunoglobulin light chain | 2.4 | 0.001| | gi|310893435 |
| alpha-1-acid glycoprotein precursor | 9.05 | 0.001 | gi|122697593 |
| TPA: serotransferrin precursor | 8.2 | 0.001 | gi|296490958 |
| bcl-2/adenovirus E1B 19 kDa-interacting protein 2-like protein | 3.81 | 0.028 | gi|118601834 |
| TPA: HGF activator preproprotein-like | 2.23 | 0.011 | gi|296486347 |
| mitotic checkpoint protein BUB3 | 6.33 | 0.028 | gi|31560618 |
| PREDICTED: fibrous sheath-interacting protein 2-like | 10 | 0.022 | gi|345807594 |
| TPA: inter-alpha globulin inhibitor H2 polypeptide | 2.73 | 0.001 | gi|296481520 |
| Complement C3 | 1.96 | 0.001 | gi|440891551 |
| serglycin precursor | 8.7 | 0.009 | gi|70778776 |
| TPA: insulin-like growth factor binding protein, acid labile subunit | 1.83 | 0.001 | gi|296473487 |
| alpha-2-macroglobulin variant 23 | 6.12 | 0.001 | gi|408689609 |
| transthyretin precursor | 5.75 | 0.001 | gi|27806789 |
| IgE heavy chain constant region | 5.92 | 0.002 | gi|28611153 |
| [IGL@ protein](mailto:IGL@%20protein) | 2.59 | 0.001 | gi|74353860 |
| tetranectin precursor | 4.88 | 0.001 | gi|114051137 |
| complement factor D precursor | 2.82 | 0.002 | gi|77735465 |
| leucine-rich alpha-2-glycoprotein precursor | 5.86 | 0.001 | gi|114051379 |
| immunoglobulin heavy chain variable region | 2.44 | 0.008 | gi|1293598 |
| serum albumin precursor | 8.97 | 0.001 | gi|30794280 |
| uncharacterized protein LOC524810 precursor | 1.92 | 0.008 | gi|326937675 |
| TPA: maltase-glucoamylase-like | 4.41 | 0.001 | gi|296488098 |
| Immunoglobulin light chain, lambda gene cluster | 3.31 | 0.001 | gi|92096965 |
| primary amine oxidase, liver isozyme precursor | 2.11 | 0.001 | gi|195539525 |
| fructose-bisphosphate aldolase B | 2.52 | 0.002 | gi|77735921 |
| IGK protein | 3.85 | 0.035 | gi|115545495 |
| TPA: collagen, type VI, alpha 3-like isoform 1 | 1.45 | 0.001 | gi|296488811 |
| TPA: ADAMTS-like 2-like | 10 | 0.008 | gi|296482145 |
| fibrinogen beta chain precursor | 1.43 | 0.001 | gi|218931172 |
| TPA: IgM | 6.27 | 0.004 | gi|296475279 |