

## SUPPLEMENTAL MATERIAL

### **Relationships between the efficacy of cardiac cell therapy and inhibition of differentiation of human iPSC-derived non-myocyte cardiac cells into myofibroblast-like cells**

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## SUPPLEMENTAL METHODS

### **Generation of human induced-pluripotent stem cell (hiPSC)-derived non-cardiomyocyte cardiac cells (hiPSC-NMCCs)**

The line of hiPSCs used in this study was reprogrammed from male, human, cardiac fibroblasts by transfecting the cells with Sendai viruses coding for OCT4, SOX2, KLF4, and C-MYC and then engineered to constitutively express green fluorescent protein (GFP). Cells were cultured with hiPSC growth medium in Matrigel-coated plate, and passaged every 3-4 days<sup>1</sup> for 15-20 passages before use in subsequent experiments.

hiPSCs were differentiated into endothelial cells (ECs) and smooth-muscle cells (SMCs) as described previously.<sup>2, 3</sup> Briefly, hiPSCs were differentiated into ECs by treating the cells sequentially with 10  $\mu$ M Y27632 in mTeSR, 8  $\mu$ M CHIR99021, and 25 ng/mL bone morphogenic protein 4 (BMP4) with 1% B27, and 200 ng/mL vascular endothelial growth factor (VEGF) and 2  $\mu$ M forskolin in StemPro34. hiPSC-ECs were purified and enriched by collecting cells that expressed both CD31 and vascular endothelial cadherin (VE-cadherin, CD144) via flow cytometry with a fluorescence activated cell sorting (FACS) apparatus. hiPSCs were differentiated into SMCs by treating the cells sequentially with 10  $\mu$ M Y27632 in mTeSR, 8  $\mu$ M CHIR99021, and 25 ng/mL BMP4 in N2B27 medium, and 10 ng/mL platelet-derived growth factor (PDGF)-BB and 2 ng/mL Activin A in N2B27 medium.

hiPSCs were differentiated into pericytes via a published method<sup>4</sup> and then purified and enriched by collecting cells that expressed both CD44 and CD146 via flow cytometry. hiPSCs were differentiated into fibroblasts via a protocol modified from a previous publication.<sup>5, 6</sup> The hiPSCs were seeded onto Matrigel-coated plates ( $10^4$  cells/cm<sup>2</sup>) in induction media consisting of high-glucose Dulbecco's Modified Eagle Medium (DMEM-HG), 10% fetal bovine serum (FBS), 0.1 mM non-essential amino acids, 1% Antibiotic-Antimycotic, 10  $\mu$ M of the anaplastic lymphoma kinase (ALK) inhibitor SB431542 (No. 04-0010), and 5 ng/mL basic fibroblast growth factor (bFGF) for 2 passages; then, the cells were transferred onto non-Matrigel-coated plates, cultured for 8 passages, and then cultured with 100 ng/mL connective tissue growth factor (CTGF) and 5 ng/mL fibroblast growth factor (FGF) for 2 weeks.

### **Characterization of hiPSC-derived NMCCs**

#### ***Surface-marker expression***

hiPSC-ECs were characterized via the expression of cluster of differentiation (CD) 31, CD144, and von Willebrand factor (VWF); hiPSC-SMCs were characterized via the expression of  $\alpha$ -smooth muscle actin ( $\alpha$ SMA), smooth muscle myosin heavy chain 11 (MYH11), and calponin1; hiPSC-pericytes were characterized via the expression of neural/glial antigen 2 (NG2), CD44, and CD146; hiPSC-fibroblasts were characterized via the expression of protein disulfide isomerase (PDI), discoidin domain receptor 2 (DDR2), short stature homeobox 2 (SHOX2), fibroblast marker clone TE7, platelet-derived growth factor receptor alpha (PDGFR $\alpha$ ), and transcription factor 21 (TCF21) (Online table IV).

### ***Flow cytometry analyses***

Cells were trypsinized, resuspended as single cells, permeabilized in 0.1% Triton X-100 at 4°C for 10 minutes, blocked with UltraV block at room temperature for 7 minutes, and incubated with the indicated primary antibodies, isotype-control antibodies, and secondary antibodies; then, the cells were washed, resuspended in 2% fetal calf serum/phosphate-buffered saline containing 5  $\mu$ L of propidium iodide (10  $\mu$ g/mL), and evaluated with a FACS Aria instrument (BD Biosciences, USA).

### ***Tube formation (ECs)***

Tube formation was evaluated as previously reported.<sup>2</sup> Briefly, Matrigel solution was placed in a 24-well tissue culture plate at 37°C and allowed to solidify for one hour. hiPSC-ECs or human umbilical vein endothelial cells (hUVECs) ( $1.5 \times 10^5$  cells/well) were seeded onto the solidified matrix with fresh EGM 2-MV medium (containing 50 ng/mL VEGF) and incubated under standard cell culture conditions for 24 hours; then, 2  $\mu$ g/mL calcein (Fisher scientific, USA) was added to the wells and the cells were incubated for 20 minutes. Tube formation was evaluated by examining the cells under an inverted fluorescence microscope (Olympus, Japan).

### ***Dil-conjugated acetylated low-density lipoprotein (Dil-ac-LDL) uptake (ECs)***

The Dil-ac-LDL uptake assay was conducted as described previously.<sup>2</sup> Briefly, cells were incubated with 10  $\mu$ g/mL of Dil-Ac-LDL (Life Technologies, USA) at 37 °C for 6 hours, washed with Dulbecco's PBS, fixed, and counterstained with 4',6-diamidino-2-phenylindole (DAPI).

### ***Cell contraction test (SMCs)***

hiPSC-SMCs or human aortic smooth muscle cells (hASMCs) were seeded onto a gelatin-coated 6-well plate, partially detached by incubating them with a non-enzymatic

dissociation buffer (Versene, Invitrogen, USA), and then treated with 10  $\mu$ M carbachol for 5 minutes. Images were obtained 0 and 5 minutes after carbachol treatment, and contraction was evaluated by using Image J Software to measure the cells' cross-sectional surface areas.<sup>7</sup>

### ***Collagen gel contraction assay (SMCs)***

The gel contraction assay was performed with a cell contraction assay kit (Cell Biolabs, USA) as directed by the manufacturer's instructions. Briefly,  $2 \times 10^5$  hiPSC-SMCs or hASMCs were mixed with 0.5 mL collagen gel and polymerized in one well of a 24-well culture plate; then, the gels were transferred to a 6-well plate and cultured in an incubator. Gel sizes were measured at 24-hour intervals over 3 days and quantified as a percentage of the initial area of the lattice.

### ***Wound healing assay (fibroblasts)***

The migration of hiPSC-fibroblasts or human dermal fibroblast (hDFs) was assessed via a wound healing assay. Cells were cultured until confluent in a 6-well plate; then, the monolayers were scratched with a 200  $\mu$ L pipette tip, the detached cells were removed, the remaining cells were washed, and fresh medium was added. Cell movement was recorded for 12 hours using a phase-contrast microscopy, and cell migration distance was measured with Image J software.

### ***Adhesion assay (fibroblasts)***

hiPSC-fibroblasts or hDFs were detached with 2.5 mM EDTA and resuspended in DMEM at  $2.5 \times 10^5$  cells/mL; then, 50  $\mu$ L of the cell suspension was plated into each well of a 96-well microtiter plate that had been coated with 1  $\mu$ g/mL fibronectin. Plates were incubated for 30 min and then washed with PBS to remove non-adherent cells; then, adherent cells were stained with methylene blue and quantified via dye extraction and absorbance measurements at 620 nm as described previously.<sup>8</sup>

### ***Osteogenic differentiation (pericytes)***

hiPSC-pericytes or human brain vascular pericytes (hBVPs) ( $5,000$  cells/cm<sup>2</sup>) were cultured in media comprised of low-glucose DMEM, 10% FBS, 1% penicillin/streptomycin, 10 mM  $\beta$ -glycerophosphate, 100 nM dexamethasone, and 50  $\mu$ M ascorbic acid (Sigma) for 3 weeks; then, the samples were fixed with 3.7% formaldehyde, washed, and incubated with Alizarin Red S (40 mM in DI H<sub>2</sub>O, pH ~4.2; Sigma) for 30 minutes.<sup>9</sup>

### ***Migration assay (pericytes)***

Cell migration was evaluated via the Boyden-chamber assay, as previously described.<sup>10</sup> hiPSC-pericytes or hBVPs ( $2 \times 10^4$  cells) were suspended in DMEM with 1% FBS in the upper chamber, and the lower chamber was filled with DMEM containing 10% FBS; then, the apparatus was incubated at 37 °C for 24 hours, and cells that had migrated to the lower membrane were counted under a light microscope.

## **Differentiation and characterization of myofibroblast-like cells from hiPSC-derived NMCCs**

### ***Cell culture and treatments***

hiPSC-ECs were maintained in endothelial-cell growth medium (EGM) (Lonza, USA), hiPSC-SMCs were maintained in DMEM containing 5% FBS, hiPSC-pericytes were maintained in pericyte medium (PM) (Stem Cell, USA), and hiPSC-fibroblasts were maintained in fibroblast growth medium (ATCC, USA) at 37 °C with 5 % CO<sub>2</sub> in a humidified atmosphere. For myofibroblast differentiation,  $2 \times 10^5$  hiPSC-NMCCs were seeded into Matrigel-coated 6-well plates in RPMI 1640 complete medium containing 1% B27 and 3 ng/mL TGF $\beta$ 1 for 5 days. For TGF $\beta$  blocking, cells were treated for 5 days with the culture medium (control), the anti-TGF $\beta$  antibody (10  $\mu$ g/mL, 1D11, R & D), or galunisertib (10  $\mu$ M, Selleckchem, USA); the TGF $\beta$ -blocking agents were added to the culture medium 1 hour before TGF $\beta$ 1 treatment.

### ***ELISA***

Cells were plated in 24-well plates, cultured to 70–80% confluence, and incubated for 24 hours; then, the cells were lysed, whole cell lysates were centrifuged, the supernatants were collected, and TGF- $\beta$ 1, interleukin-1 (IL-1), and VEGF levels were measured with the Duoset ELISA Development kit (R&D Systems, Minneapolis, MN). Measurements were normalized to the number of cells.

### ***Proliferation***

Cells ( $2 \times 10^4$ ) were seeded onto 96-well plates containing RPMI-1640 and 0.2% B27 and cultured for 16 hours; then, proliferation was quantified using the MTT Proliferation Assay (Roche) as directed by the manufacturer's instructions.

### ***Western blot***

Cells were washed twice in cold phosphate-buffered saline (PBS) and lysed in New RIPA lysis buffer (150 mM NaCl, 50 mM Tris pH 8.0, 1 mM ethylenediaminetetraacetic acid [EDTA], 1 mM egtazic acid [EGTA], 0.5% sodium deoxycholate, 0.1% sodium

dodecyl sulfate [SDS], and 1% Triton X-100) with protease inhibitors (0.1 M phenylmethylsulfonyl fluoride, 5 µg/mL leupeptin, 2 µg/mL aprotinin, and 1 µg/mL pepstatin). Protein concentrations for the whole-cell lysates were determined via the bicinchoninic acid (BCA) assay, and equal amounts of each protein sample (15 µg) were separated on an 8-14% SDS-polyacrylamide gel at 80 V; then, a Turbo transfer System (Bio-Rad, USA) was used for 8 minutes to transfer the separated proteins to a polyvinylidene difluoride membrane, and the proteins were blocked with 5% skim milk powder for 1 hour at room temperature. Membranes were incubated with primary antibodies for 1 hour at room temperature or overnight at 4 °C, washed three times with 0.05% PBS-Tween, incubated for 1 hour at room temperature with a horseradish peroxidase-conjugated secondary antibody, and washed with 0.05% PBS-Tween; then, the protein bands were visualized with ECL Plus as directed by the manufacturer's instructions and developed on film (Cell signaling, USA).

### **Real-time reverse transcription PCR**

Total RNA was extracted with the RNeasy mini-kit (Qiagen). PCR reactions were conducted on a Realplex<sup>2</sup> Real-Time PCR system (Eppendorf, USA) with 25 µL iScript92 RT-PCR Reaction Mix (Bio-Rad), 1 µL iScriptreverse transcriptase, 900 nM forward primer, 900 nM reverse primer, 250 nM probe, and 50 ng RNA in 50 µL. Primers are listed below.

Vimentin: F: 5'-ATCTGGATTCACTCCCTCTGGTT-3', R: 5'-GTGATGCTGAGAAGTTT-CGTTGATA-3';

TGFβ receptor 1: F: 5'-GCTGTGAAGCCTTGAGAGTAATGG-3', R: 5'-TTCCTGTTGACTGAGTTGCGATAA-3';

Smad3: F: 5'-ATGAACCACAGCATGGACGC-3', R: 5'-AGGAGATGGAGCACCAGAAG-G-3';

Snail1: F: 5'-GTCTCTTCCTTGGAGGCCGA-3', R: 5'-AGGCTGAGGTATTCCTTGTTGC-3';

Mammalian target of rapamycin (mTOR): F: 5'-CTGGGACTCAAATGTGTGCAGTTC-3', R: 5'-GAACAATAGGGTGAATGATCCGGG-3';

VEGF: F: 5'-GCAGATTATGCGGATCAAACC-3', R: 5'-TGCATTACATTTGTTGTGCTGTAG-3';

CXCL1: F: 5'-AACCGAAGTCATAGCCACAC-3', R: 5'-GTTGGATTTGTCACTGTTCA-GC-3';

CXCL8: F: 5'-CTTGGCAGCCTTCCTGA-3', R: 5'-TTCTTTAGCACTCCTTGGCAAAA-3';

CXCL3: F: 5'-ATCCCCCATGGTTCAGAAA-3', R: 5'-ACCCTGC AGGAAGTGTCAAT-3';

CXCL6: F: 5'-TTTGTCT GGACCCGGAAG-3', R: 5'-GGCAATTTTATGATGCATGG-3';

GAPDH: F: 5'-AACTTTGGCATTGTGGAAGG-3', R: 5'-CACATTGGGGGTAGGAACA-3';  
ACTA2: F: 5'-GATCTGGCACCCTCTTTCTA C-3', R: 5'-CAGGCAACTCGTAACTCT  
TCTC-3';  
MYH11: F: 5'-AGGCGAACCTAGACAAGAATAAG-3', R: 5'-CTGGATGTTGAGAGTGGA  
GAT G-3';  
TGF- $\beta$ 1: F: 5'-GGCCTTTCCTGCTTCTCATGG-3', R: 5'-CCTTGCTGTACTGCGTGTCC-  
3';  
Col1 $\alpha$ 1: F: 5'-GTTTCGTGACCGTGACCTCG-3', R: 5'-TCTTGTCTTGGGGTTCTTGC-3';  
NG2: F: 5'-TTGTCCTGATGGCTAATGCCT-3', R: 5'-TGGGCTGCTCGATGGTGTA-3';  
EDA: F: 5'-AGTAACCAACATTGATCGCCCTAA-3', R: 5'-TTCCAAGCAATTTTGATGG  
A-3';  
NMMIIB: F: 5'-CGACGCGTGCCAACGCATC-3', R: 5'-GACACAGTTGATCTTTCAGGA-  
AGG-3';  
SHOX2: F: 5'-CCGCCAGCCAGTTTGAAG-3', R: 5'-GCGCTGTGGCGCACGCGC-3'

### **Macrophages**

Macrophages were generated from the human monocyte cell line U937. The U937 cells were maintained with RPMI 1640 medium containing 10% FBS, and monocyte differentiation was induced by treating the cells with 20 nM phorbol myristate acetate (PMA) in RPMI 1640 medium for 16 hours; then, the medium was replaced with fresh medium, and the cells were differentiated into macrophages over the ensuing 3 days.

### **Murine myocardial infarction (MI) models and treatment**

All experimental procedures that involved animals were approved by the Institutional Animal Care and Use Committee of the University of Minnesota, performed in accordance with the Animal Use Guidelines of the University of Minnesota, and consistent with the National Institutes of Health Guide for the Care and Use of Laboratory Animals (NIH publication No 85-23). Twelve-week-old immunodeficient male and female (an equal number of each sex) NOD-scid/ $\gamma$ c<sup>-/-</sup> mice (Jackson Laboratory) were anesthetized with inhaled isoflurane (1.5-2%), intubated, and ventilated with a small animal respirator (Harvard Apparatus); then, a left thoracotomy was performed to expose the heart, and MI was induced by permanently ligating the left-anterior descending coronary artery with an 8.0 surgical silk suture.<sup>11</sup> After closing the chest muscles and skin, animals were administered buprenorphine (0.1 mg/kg, intraperitoneal injections) every 24 hours for up to three days and carprofen (5 mg/kg, intraperitoneal injections) every 24 hours for up to one day after surgery.

Two separate experiments were conducted. In experiment 1, the mice were randomly divided into eight groups (MI+ECs, MI+ECs+Gal, MI+SMCs, MI+SMCs+Gal, MI+PCs, MI+PCs+Gal, MI+FBs, and MI+FBs+Gal), and the experimental treatment was administered 15 minutes after MI was induced. In experiment 2, the animals were allowed to recover for 1 week after MI induction and then randomly divided into four groups (MI, MI+Cells, MI+Gal, and MI+Cells+Gal) before the chest was re-opened and the treatment was administered. Animals in the MI+EC group, the MI+SMC group, the MI+PC group, and the MI+FB group were treated with hiPSC-ECs, -SMCs, -pericytes, and fibroblasts, respectively ( $3 \times 10^5$  cells/mouse); animals in the MI+EC+Gal, MI+SMC+Gal, MI+PC+Gal, and MI+FB+Gal groups were treated with the indicated hiPSC-NMCCs ( $3 \times 10^5$  cells/mouse) and the TGF $\beta$  receptor 1 inhibitor galunisertib; animals in the MI+Cells group were treated with a combined population of all four NMCC types ( $0.75 \times 10^5$  of each cell type); animals in the MI+Gal group were treated with galunisertib; animals in the MI+Cells+Gal group were treated with the combined NMCC population ( $0.75 \times 10^5$  of each cell type) and galunisertib; and animals in the MI group recovered without any of the experimental treatments. The cells were injected into three sites of the heart ( $1 \times 10^5$  cells per injection site); one site was located in the infarcted region, and two were located in the region surrounding the infarct. Galunisertib (75 mg/kg per day) was administered orally until the animals were sacrificed at day 7 (experiment 1) or week 4 (experiment 2) after MI. Animals in the Sham group underwent all the surgical procedures for MI induction except the ligation step and recovered without either experimental treatment. Mice that died or displayed no decline in heart function one week after MI was induced were excluded from subsequent analyses, and all assessments were performed in a blinded manner.

### **Swine MI model**

Assessments of hiPSC-NMCC–myofibroblast-like cell differentiation were also conducted in the infarcted hearts of Yorkshire swine (14 kg, 45 days of age, Snyder Farms, Birmingham); because the hiPSC-NMCCs were derived from the cells of male humans, the experiments were performed with female animals to enable the transplanted cells to be identified via expression of the human Y chromosome as described previously.<sup>12, 13</sup> Briefly, MI was induced by occluding the left anterior descending coronary artery for 60 minutes; then, the hearts were reperfused, and the animals were treated with  $2.5 \times 10^6$  hiPSC-ECs and  $2.5 \times 10^6$  hiPSC-SMCs ( $5 \times 10^6$  cells total). The cells were injected directly into the injured myocardium, the chest was closed in layers, and the animals were allowed to recover. Hearts were harvested from all surviving animals and sectioned 4 weeks after treatment.



### **Echocardiographic assessments of cardiac function**

Echocardiographic measurements were obtained as recommended by the American Society of Echocardiography and performed on a Vevo 2100 Imaging System (Visual Sonics Inc, Canada); Briefly, mice were lightly anesthetized with 1.5-2% isoflurane until the heart rate stabilized at 400 to 500 bpm; then, both conventional 2-dimensional images and M-Mode images of the heart were acquired in a parasternal short axis view. Vevo Analysis software was used to calculate left ventricular (LV) ejection fraction (EF) and fractional shortening (FS).<sup>1</sup> All assessments were performed in a blinded manner.

### **Immunohistochemical evaluations**

Hearts were collected and frozen at the optimal temperature for cryo-sectioning. Embedded tissues were cut into 10- $\mu$ m sections; then, the sections were fixed with 4% paraformaldehyde for 20 min at room temperature, permeabilized in 0.1% Triton X-100 at 4 °C for 20 minutes, and blocked with UltraV block (Thermo Scientific, USA) for 7 min. Primary antibodies (Online table IV) were added to the UltraV block buffer, and the sections were incubated at 4 °C. On the following day, secondary antibodies conjugated with fluorescent markers (Jackson ImmunoResearch Lab, USA) were added; then, the sections were incubated for 1 hour at room temperature, stained with DAPI, washed, and examined under a confocal microscope (Zeiss 710, USA).

Vascular density was evaluated by counting the number of vascular structures that were positive for either CD31 or  $\alpha$ SMA expression; then, the images used for the CD31 and  $\alpha$ SMA evaluations were superimposed, and arteriole density was evaluated by counting the number of structures that expressed both CD31 and  $\alpha$ SMA. Cells and vessels were counted in 5 fields per section, 6 sections per animal.

### **Infarct size measurement**

Hearts were frozen and cut into 10- $\mu$ m sections; then, the sections were stained with an Accustain Trichrome Stains (Masson) kit (Sigma-Aldrich, USA). LV fibrotic area and total LV area of each image were measured using Image J, and the fibrotic area was reported as a percentage of the total LV area. Measurements were performed in three separate regions of each heart, one located just below the ligation suture, another located midway between the ligation suture and the apex, and a third located close to the apex; then, the three measurements were averaged.

### **Engraftment rate assessment**

Engraftment rates were evaluated via quantitative PCR (qPCR) assessments of the human Y-chromosome as previously reported.<sup>13</sup> Briefly, whole hearts of female mice were collected and digested overnight at 56 °C with proteinase K; then, the total DNA was isolated from the digested buffer with a QIAGEN DNA isolation kit. The number of cells in each mouse heart was determined by comparing the number of cycles required for each sample to a standard curve calculated from the DNA of known quantities of undifferentiated hiPSCs, and the engraftment rate was calculated as the number of cells in each animal divided by the number of cells administered ( $3 \times 10^5$ ). Analyses were performed with the SYBR Green kit (Thermo Scientific, USA) on an Eppendorf Realplex<sup>2</sup> PCR system (Eppendorf, USA) with the following primers: sense, ATCAGCCTAGCCTGTCTT-CAGCAA; anti-sense, TTCACGACCAACAGCACAGCAATG.

### **Proteomics analysis with isobaric tagging for relative and absolute quantification (iTRAQ), strong cation exchange (SCX) chromatography, LC-MALDI and 4800 MS/MS, and peptide and protein identification**

Samples were desalted and serially diluted with bovine serum albumin (1 mg/mL); then, protein concentrations were determined with Bradford reagent (Bio-Rad, Hercules, CA) and absorbance measurements at 590 nm. Equal amounts (20 µg) of protein from each cell lysate were labeled with iTRAQ™ reagents (113, 114, 115, 116, 117, 118, 119, and 121; ABI, Foster City, CA) as directed by the manufacturer's protocol and as described previously.<sup>14</sup> Samples were analyzed in triplicate via tandem (MS/MS) time-of-flight (TOF) mass spectroscopy. Peptide/protein isolation and identification were conducted as described previously.<sup>14</sup>

### **Proteomics analysis with myofibroblast-like cells medium**

Cells were cultured in serum-free RPMI medium at 50-75% confluency. The medium was changed and collected every 48 h and concentrated; then, the proteins in the medium were separated on an SDS-polyacrylamide gel and stained with Commassie Blue (Gelcode blue safe catalog 1892657, Thermo Fisher Scientific). Protein bands were excised, destained, and digested in-gel with trypsin; then, the peptides were resuspended in 98:2 water/acetonitrile, 0.1% formic acid and run on an OrbitrapVelos (Thermo Fisher Scientific) mass spectrometer. Data (MS/MS and protein inference) were interpreted by analyzing the tThermo RAW files with Peaks Studio 7.0 build 20140912 (Bioinformatics Solutions) software.

### **Ingenuity pathway analysis (IPA)**

Proteins were imported into the IPA software (<http://www.ingenuity.com>, 2016, May), and the number of genes associated with each biological pathway, function, or disease were counted; p values were calculated via the Fisher's exact test.

### **Statistical analysis**

Data distribution was evaluated with the Shapiro-Wilk normality test. For normally distributed data, values are presented as mean±standard error of the mean (SEM), and comparisons between two groups were performed with the two-tailed Student's *t*-test; ANOVA or repeated ANOVA and the Tukey post-hoc test were used for multiple comparisons or repeated measurements. For non-normally distributed data, values were presented as median (25th, 75th percentile) in box plots, the overall difference in distribution among multiple groups was determined by using the Kruskal-Wallis test, and post-hoc comparisons were performed with the Dunn test. Statistical analyses were performed with SPSS software (version 20.0), and  $P<0.05$  was considered statistically significant.

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## ONLINE FIGURE LEGENDS

### **Online Figure I. Immunofluorescent analysis of marker expression in human iPSC-derived non-cardiomyocyte cardiac cells (hiPSC-NMCCs).**

hiPSCs were differentiated into endothelial cells (hiPSC-ECs), smooth-muscle cells (hiPSC-SMCs), fibroblasts (hiPSC-FBs), and pericytes (hiPSC-PCs); then, hiPSC-ECs were evaluated for the expression of CD31 but not MYH11, TE7, and NG2; hiPSC-SMCs were evaluated for the expression of MYH11 but not CD31, TE7, and NG2; hiPSC-fibroblasts were evaluated for the expression of TE7 but not CD31, MYH11, and NG2; hiPSC-pericytes were evaluated for the expression of NG2 but not CD31, MYH11, and TE7. Nuclei were counterstained with DAPI. Bar=100  $\mu$ m.

**Online Figure II. Immunofluorescent analysis of specific marker expression in human native cells.** Human umbilical vein endothelial cells (hUVECs) were evaluated for the expression of CD31, CD144, and von Willebrand factor (VWF); human aortic smooth muscle cells (hASMCs) were evaluated for the expression of  $\alpha$ -smooth muscle actin ( $\alpha$ SMA), smooth muscle myosin heavy chain 11 (MYH11), and calponin1; human dermal fibroblasts (hDFs) were evaluated for the expression of fibroblast marker clone TE7, platelet-derived growth factor receptor alpha (PDGFR $\alpha$ ), and transcription factor 21 (TCF21); and human brain vascular pericytes (hBVPs) were evaluated for the expression of CD44, neural/glial antigen 2 (NG2), and CD146. Nuclei were counterstained with DAPI. Bar = 100  $\mu$ m.

**Online Figure III. Functional assessments of both human somatic and hiPSC-derived ECs, SMCs, pericytes, and FBs.** (A) hiPSC-ECs and hUVECS were suspended in EGM 2-MV medium supplemented with 50 ng/mL VEGF and then plated on Matrigel; 24 hours later, the cells were labeled with calcein for 20 mins, and then tube formation was evaluated under a light microscope (bar = 100  $\mu$ m). (B) The uptake of Dil-conjugated acetylated low-density lipoprotein (Dil-ac-LDL) was evaluated in hiPSC-ECs and hUVECs; nuclei were counterstained with DAPI (bar = 100  $\mu$ m). (C) hiPSC-SMCs and hASMCs were treated with carbachol to induce contraction, and images were obtained 0 and 5 mins later. Contraction was evaluated by calculating the mean cell surface area at each of the two time points. (D) Collagen gels containing hiPSC-SMCs or hASMCs were prepared, and the surface areas of the gels were measured 0 and 3 days later. Contractile activity was calculated as the ratio of day 3 and day 0 measurements (day 3/day 0) and expressed as a percentage. (E) Migration of hiPSC-fibroblasts (FBs) and hDFs was evaluated via the wound-healing assay. Cells

were grown to confluence; then, the monolayers were scratched with a pipette tip, and migration distances were measured 0 and 12 hours later. **(F)** Cell adhesion assays were performed with hiPSC-fibroblasts and hDFs. The cells were plated on microtiter wells coated with fibronectin (1  $\mu\text{g}/\text{mL}$ ), adherent cells were fixed and stained with methylene blue, and the extracted dye was quantified by absorbance at 620 nm. **(G)** The osteogenic differentiation potential of hiPSC-pericytes (hiPSC-PCs) and hBVPs was assessed via Alizarin Red S staining. Bar=100  $\mu\text{m}$ . **(H)** The migration of hiPSC-pericytes and hBVPs was evaluated via the Boyden-chamber assay. Cells that had migrated to the lower chamber were counted 24 hours later (n=3 independent experiments).

**Online Figure IV. TGF $\beta$  activates Smad3, Snail1, and mTOR signaling during hiPSC-NMCC–myofibroblast-like cell differentiation.** hiPSC-ECs, -SMCs, -pericytes (PCs), and -fibroblasts (FBs) were cultured with TGF $\beta$ 1 (3 ng/mL), with a TGF $\beta$ -blocking antibody (10  $\mu\text{g}/\text{mL}$ , AB), with galunisertib (10  $\mu\text{M}$ , G), which blocks the TGF $\beta$  receptor 1, with TGF $\beta$ 1 and a TGF $\beta$ -blocking antibody (TGF+AB), with TGF $\beta$ 1 and galunisertib (TGF+G), or without any experimental treatment (Con); then, **(A)** Snail1, **(B)** mTOR, and **(C)** Smad3 mRNA (left panels) and/or protein (right panels) levels were evaluated via quantitative RT-PCR and Western blot, respectively; **(D)** phosphorylated Smad3 (p-Smad3) were evaluated via Western blot (left panel: summarized results, right panel: representative immunoblots).  $\beta$ -actin protein levels were also evaluated via Western blot to confirm equal loading. \* $P$ <0.05, \*\* $P$ <0.01 versus Control, TGF+AB, and TGF+G; One-way ANOVA followed by Tukey post-hoc test. n=3 independent experiments.

**Online Figure V. Protein expression in hiPSC-NMCC–myofibroblast-like cells (MFLCs) can vary depending on NMCC lineage.** Protein expression in hiPSC-EC–, -SMC–, -pericyte (PC)–, and -fibroblast (FB)–MFLCs was evaluated via iTRAQ LC-MS/MS. Data are summarized for proteins involved in **(A)** fibrosis and remodeling, **(B)** proliferation, and **(C)** apoptosis. IGFBP7: insulin-like growth factor binding protein 7; SERPINE1:serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; NAMPT: nicotinamide phosphoribosyltransferase; SERPINE2: serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2; LGALS3: galectin-3; COL8A1: collagen type VIII alpha 1 chain; THBS1: thrombospondin 1; GSN: gelsolin; COL12A1: collagen type XII alpha 1 chain; TGFBI: transforming growth factor beta Induced; VCAN: versican; POSTN: periostin; TNC: tenascin C; ARPC1A: actin related protein 2/3 complex subunit 1A; TCERG1:

transcription elongation regulator 1; HMGB1: high mobility group box 1; SMARCA4: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily A, member 4; MTA2: metastasis associated 1 family member 2; CBFβ: core-binding factor beta subunit; GTF2I: general transcription factor Iii; ILF2: interleukin enhancer binding factor 2; ACTN4: actinin alpha 4; PTRF: polymerase I and transcript release factor; CALR: calreticulin; FHL2: four and a half LIM domains 2; STAT6: signal transducer and activator of transcription 6; STAT1: signal transducer and activator of transcription 1; BZW1: basic leucine zipper and W2 domains 1; CIRBP: cold inducible RNA binding protein; EEF1B2: eukaryotic translation elongation factor 1 beta 2; EIF2S3: eukaryotic translation initiation factor 2 subunit gamma; EIF4E: eukaryotic translation initiation factor 4E; EIF4G1: eukaryotic translation initiation factor 4 gamma 1; EIF5A: eukaryotic translation initiation factor 5A; GCN1: EIF2 alpha kinase activator homolog; GSPT1: G1 To S phase transition 1; GF2BP1: insulin like growth factor 2 mRNA binding protein 1; IGF2BP3: insulin like growth factor 2 mRNA binding protein 3; LARP1: la ribonucleoprotein domain family member 1. \* $P < 0.05$ , \*\* $P < 0.01$  for comparisons across all four hiPSC-NMCC–MFLCs populations; One-way ANOVA followed by Tukey post-hoc test.

**Online Figure VI. Pathway activation in hiPSC-NMCC–myofibroblast-like cells (MFLCs) can vary depending on the NMCC lineage.** The results from proteomics analyses were evaluated with Ingenuity Pathway Analysis software to identify pathways that were more (red) or less (blue) active in hiPSC-pericyte (PC)–, -SMC–, -EC–, and -fibroblast (FB)–MFLCs than in the cells from which they were differentiated.

**Online Figure VII. Conditioned medium from hiPSC-NMCC–myofibroblast-like cells (MFLCs) promotes macrophage migration and cytokine production. (A)** Macrophages were seeded in the upper chamber of a cell-migration apparatus, and the lower chamber was filled with DMEM (Control) or with conditioned medium from hiPSC-EC–, -SMC–, -pericyte–, or -fibroblast–MFLCs (EC-M, SMC-M, PC-M, or FB-M, respectively). Six hours later, cells that had migrated to the lower chamber were counted and expressed as a percentage of the number of seeded cells. **(B–D)** Macrophages were cultured with Control or SMC-M for 24 hours; then, **(B)** mRNA levels of CXCL1, CXCL6, CXCL8, and vascular endothelial growth factor (VEGF) were evaluated via quantitative RT-PCR and normalized to GAPDH mRNA levels, and **(C)** IL-1 and **(D)** VEGF protein levels were measured via ELISA. \* $P < 0.05$ , \*\* $P < 0.01$ ; One-way ANOVA followed by Tukey post-hoc test for **A**; Two-tailed Student's *t*-test for **B, C, D**. n=3-4 independent experiments.



**Online Figure VIII. Conditioned medium from hiPSC-NMCC–myofibroblast-like cells (MFLCs) promotes collagen, vimentin, and  $\alpha$ SMA expression in NMCCs.** A combined population of NMCCs was cultured with TGF $\beta$ 1, with conditioned medium (CM) from (A) hiPSC-EC– MFLCs (B) -pericyte (PC)–MFLCs or (C) -fibroblast (FB)–MFLCs, with CM and an anti-TGF $\beta$  antibody (CM+Ab), with CM and galunisertib (CM+G), or without any experimental treatment (Con); then, Col1 $\alpha$ 1, VMT, and  $\alpha$ SMA mRNA levels were evaluated via quantitative RT-PCR (left panels), and Col1 $\alpha$ 1, VMT, and  $\alpha$ SMA protein levels were evaluated via Western blot (right panels). GAPDH protein levels were evaluated via Western blot to confirm equal loading. n=3 independent experiments. \* $P$ <0.05, \*\* $P$ <0.01 versus Control, CM+AB, and CM+G; One-way ANOVA followed by Tukey post-hoc test.

**Online Figure IX. hiPSC-ECs and -SMCs can differentiate into myofibroblast-like cells (MFLCs) after transplantation into infarcted swine hearts.** Swine were injected with GFP-labelled hiPSC-SMCs and -ECs after experimentally induced MI, and sacrificed four weeks later; then, marker expression was evaluated in sections from the site of cell administration via immunofluorescence. (A) Engrafted cells that retained their SMC phenotype were identified via GFP and MYH11 co-expression; (B) Engrafted cells that retained their EC phenotype were identified via hCD31 expression; and engrafted cells that had differentiated into MFLCs were identified via (C) hVMT and  $\alpha$ SMA, or (D) hCalponin 1 and VMT co-expression. Cardiomyocytes were visualized by staining for cTnl, and nuclei were counter-stained with DAPI. Bar=100  $\mu$ m. n=4 pigs.

**Online Figure X. TGF $\beta$  inhibition does not improve the engraftment of transplanted hiPSC-NMCCs.** MI was surgically induced in mice; one week later the animals were treated with transplanted hiPSC-NMCCs ( $0.75 \times 10^5$  of each of the four cell types) (the MI+Cells group) or with both transplanted hiPSC-NMCCs and orally administered galunisertib (the MI+Cells+Gal group). Engraftment was measured at week 4 after injury (i.e., 3 weeks after cell administration), via quantitative PCR assessments of human Y-chromosome expression. n=5 mice per group.

## ONLINE TABLE LEGENDS

### **Online Table I. Protein expression in hiPSC-EC-, -SMC-, -pericyte-, and -fibroblast-myofibroblast-like cells (MFLCs)**

Lysates of hiPSC-EC-, -SMC-, -pericyte-, and -fibroblast-MFLCs were evaluated via proteomics analysis and ITRAQ for protein identification and quantification. Results from each lineage subpopulation were compared against those from a blend of hiPSC-ECs, -SMCs, -pericytes, and -fibroblasts. The ITRAQ data was normalized and processed as described before.<sup>14</sup> Proteins with at least 2 unique peptides and  $\geq 99\%$  confidence with relative abundance were included in the list.

### **Online Table II. Protein function and signal transduction analysis**

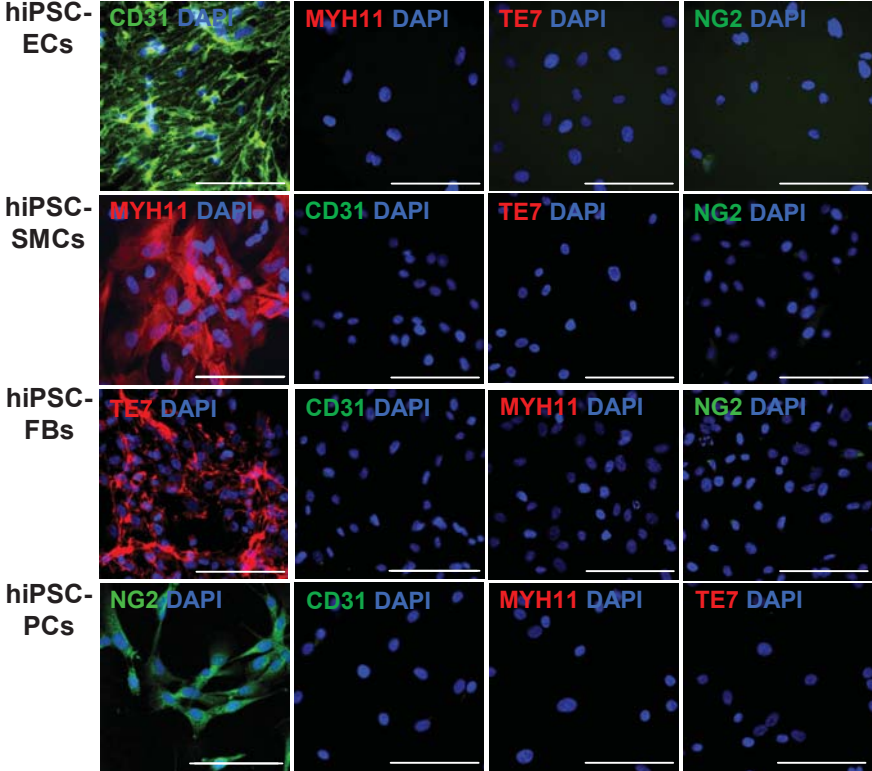
Proteins common among the hiPSC-EC-, SMC-, pericyte-, and fibroblast-derived myofibroblast-like cells were analyzed with the Ingenuity Pathway Analysis program to identify their corresponding signal transduction pathways and cellular functions. Results were compared against the Ingenuity Knowledge Base and in function analysis the relationship of gene (protein) includes direct and indirect.

### **Online Table III. hiPSC-NMCC-myofibroblast-like cell secretomes**

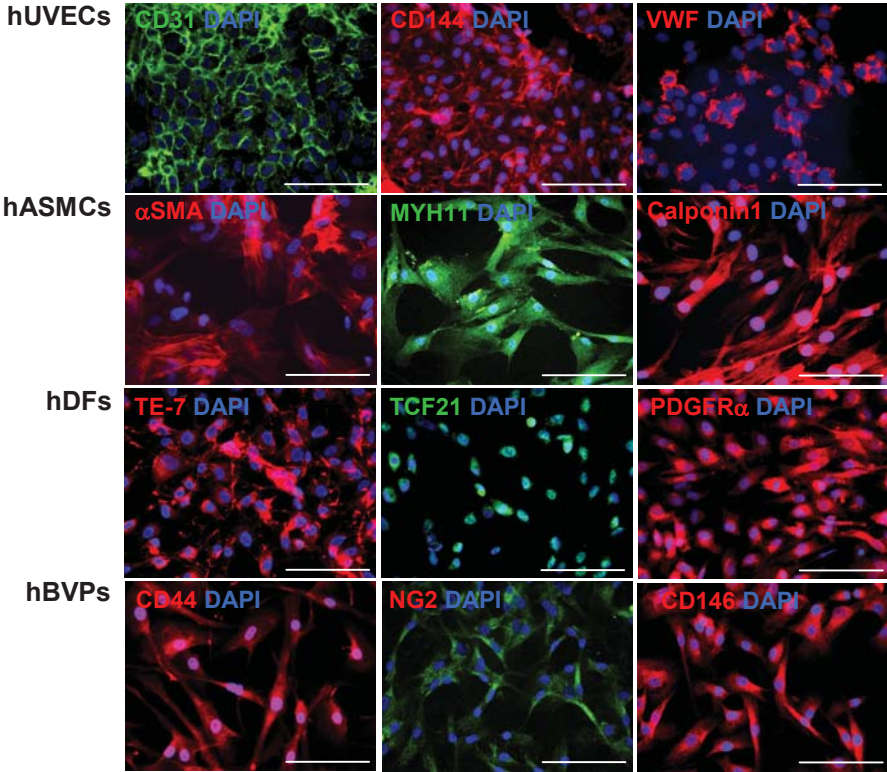
Proteins in conditioned medium were identified via the proteomics method on an Orbitrap Velos (Thermo Fisher Scientific) mass spectrometer. Concentrated proteins in cell culture medium were loaded and run on an SDS-PAGE gel; then, the protein bands were cut out, and the proteins were identified and processed as described in the Online Methods. Only proteins identified with two or more unique peptides with  $\geq 99\%$  confidence have been included.

### **Online Table IV. Antibody list**

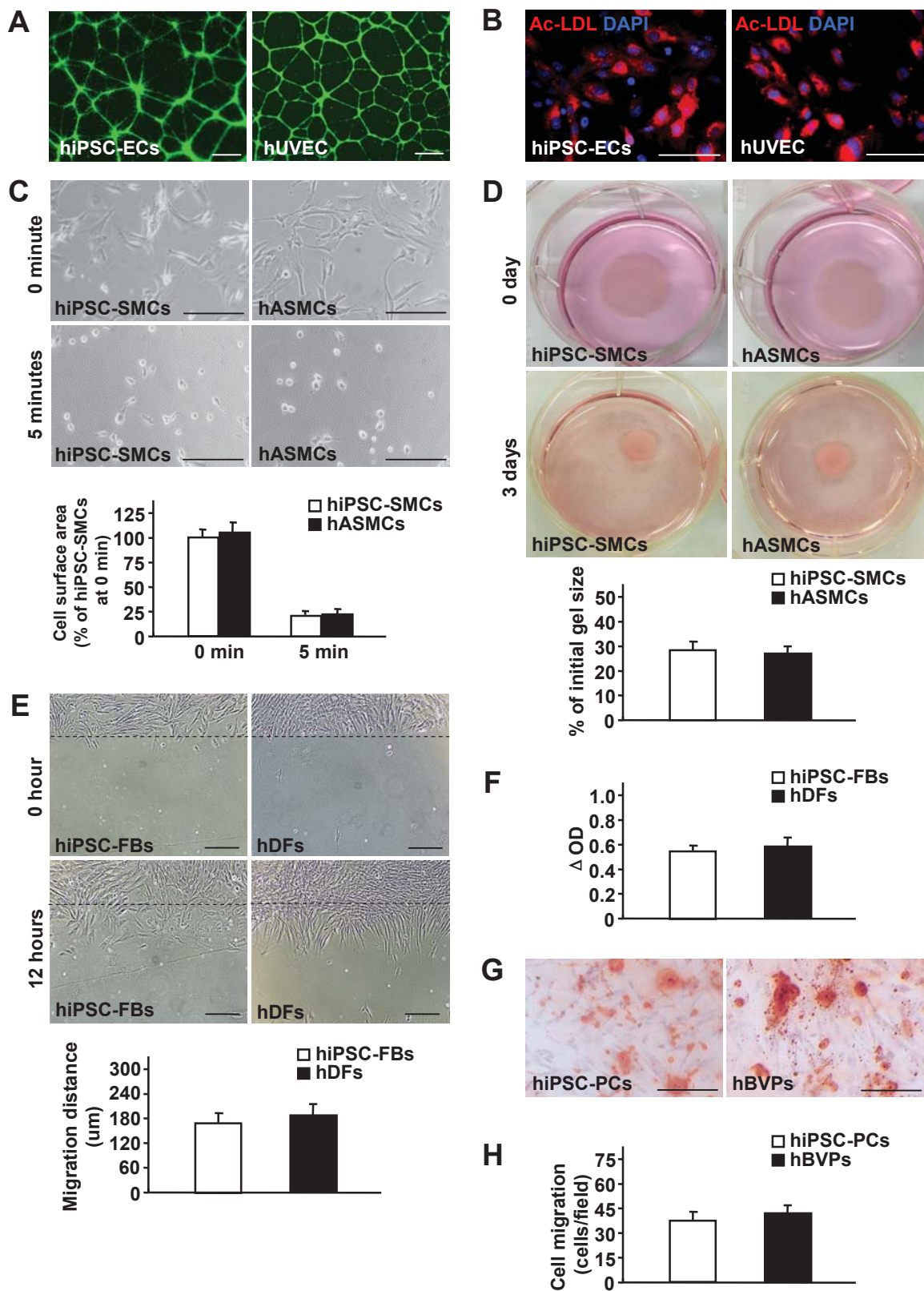
# Online Figure I



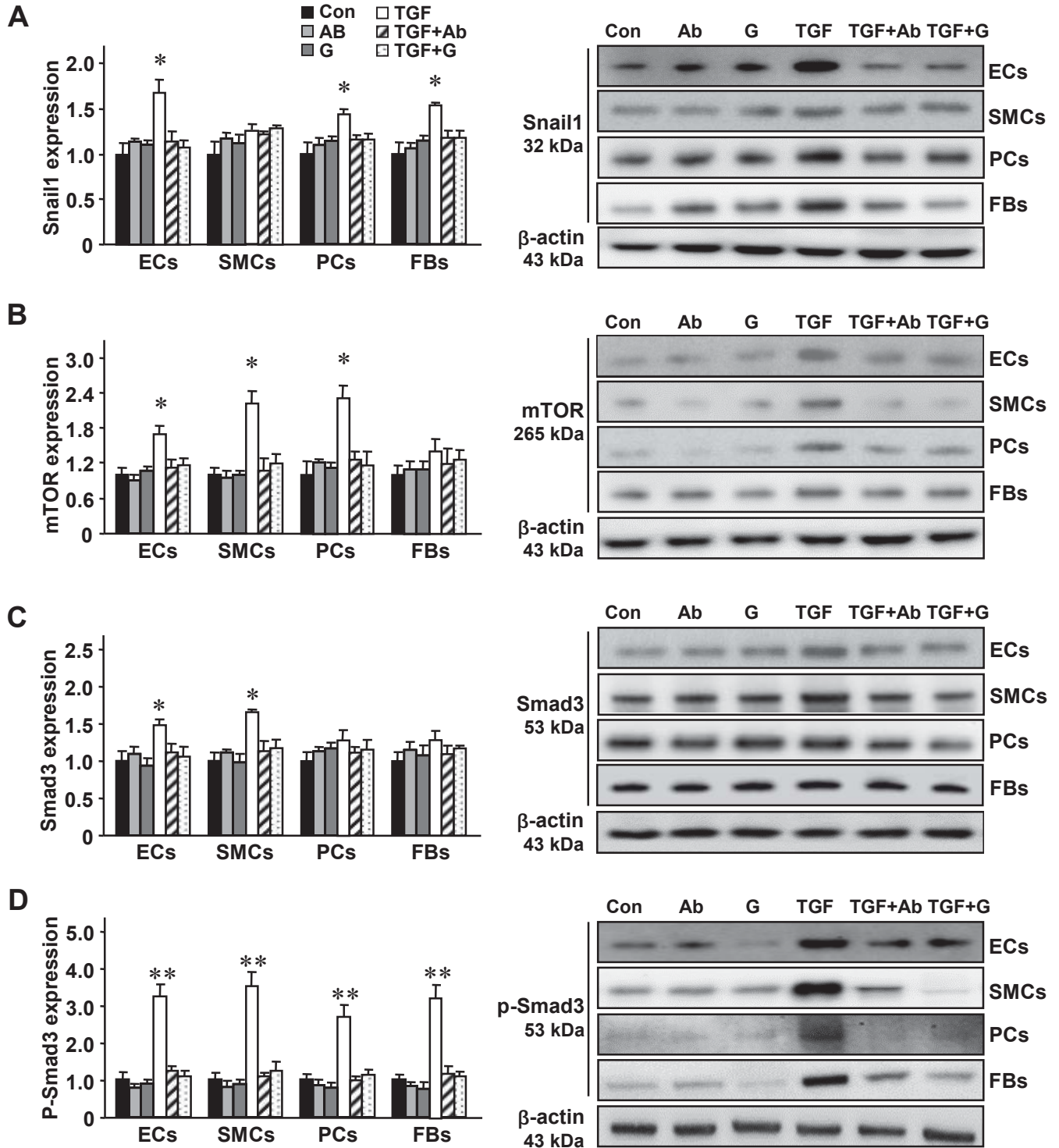
# Online Figure II



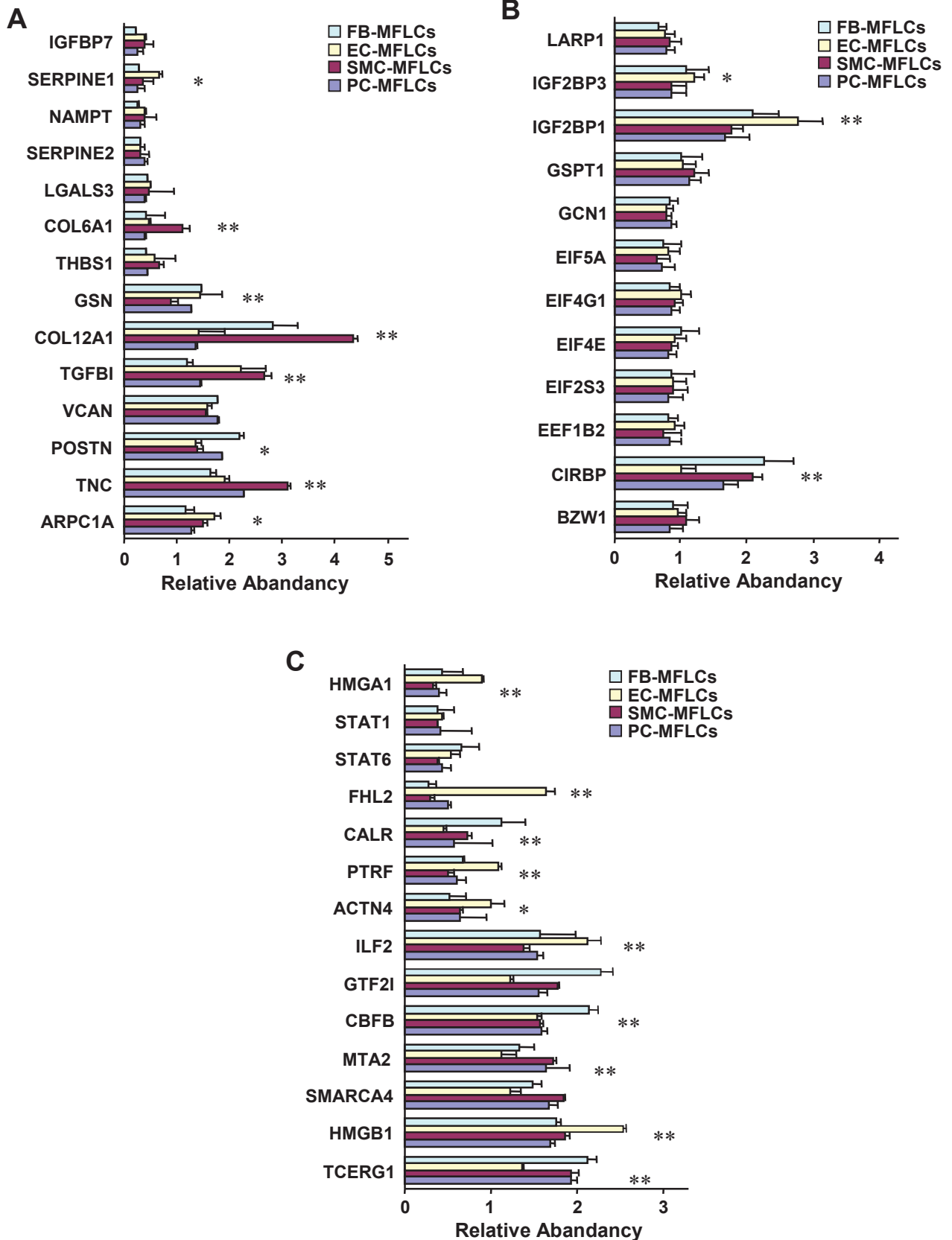
# Online Figure III



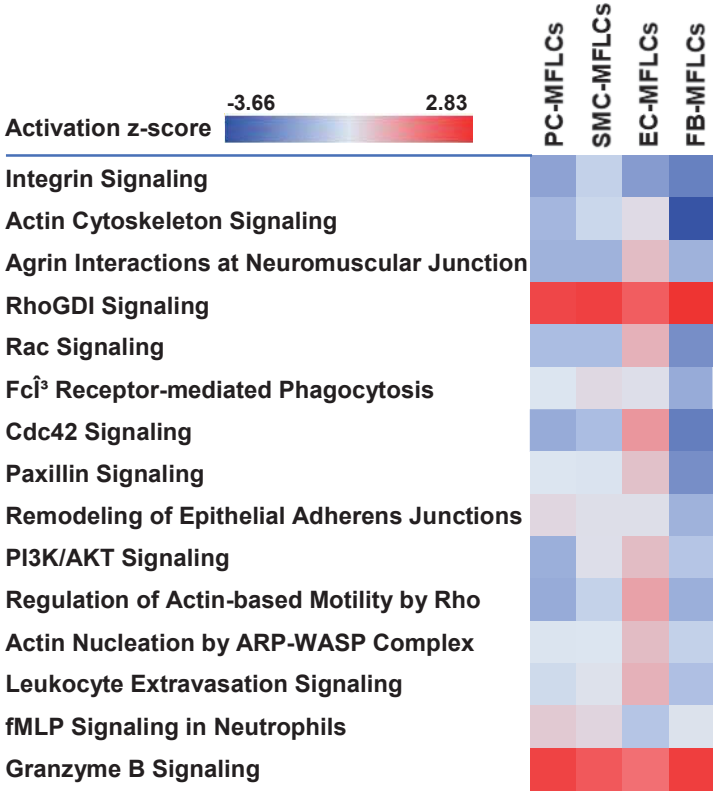
# Online Figure IV



# Online Figure V

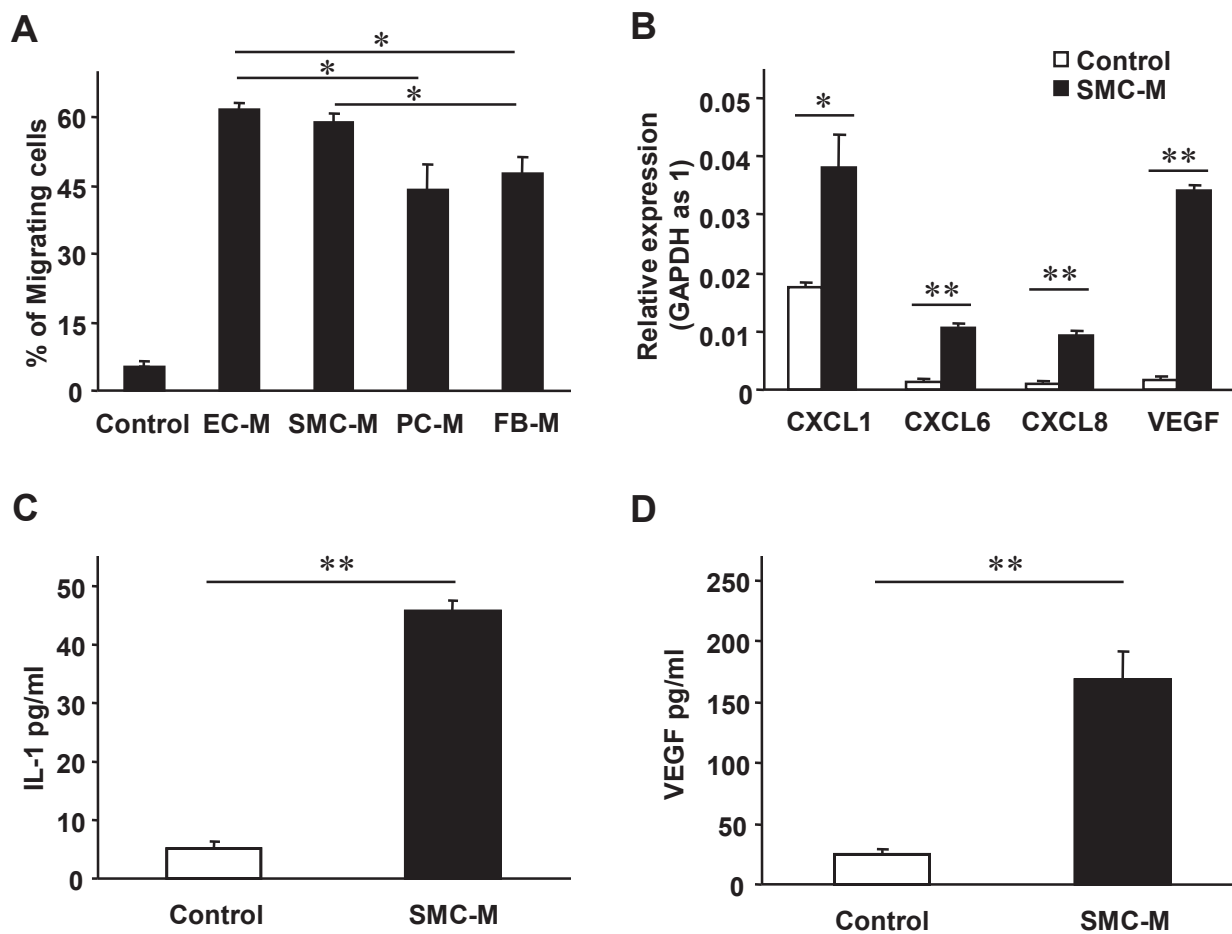


# Online Figure VI

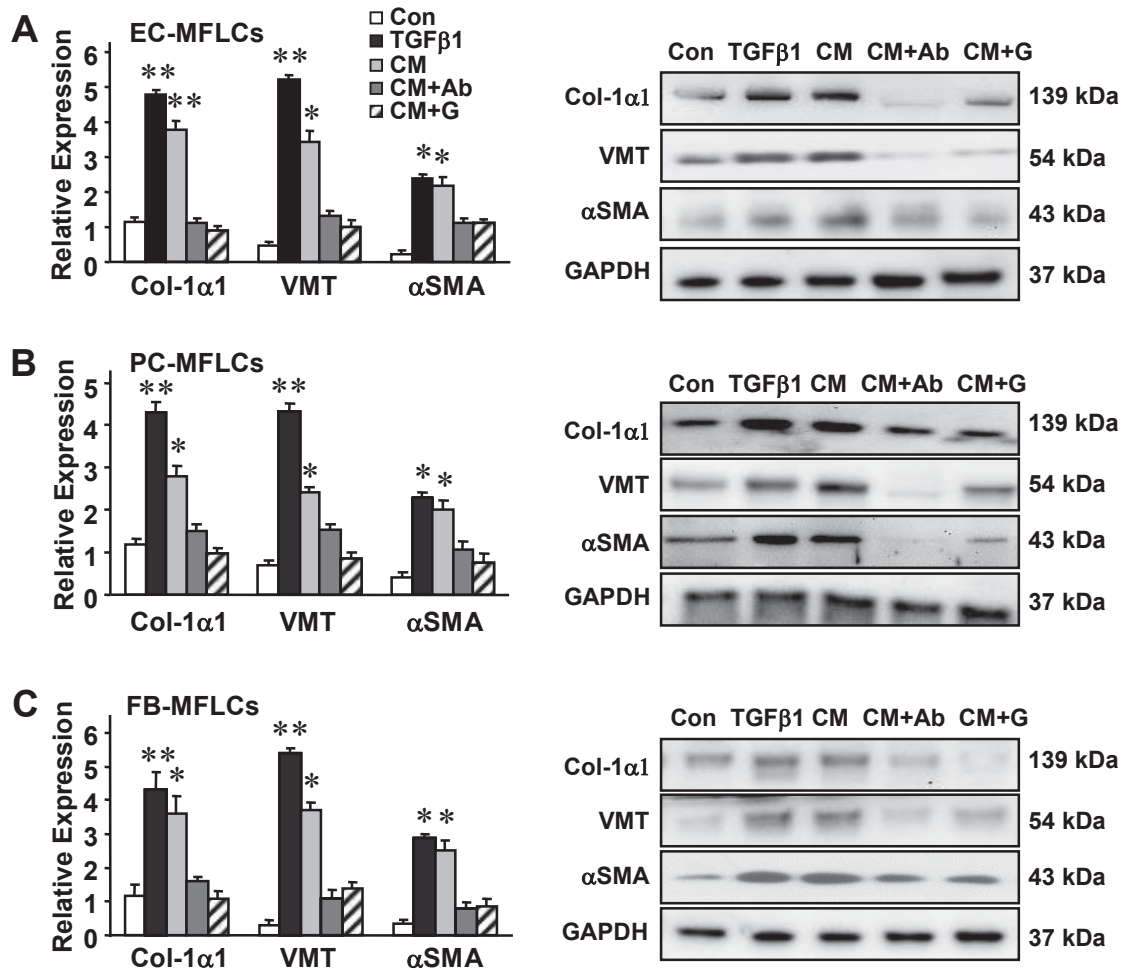




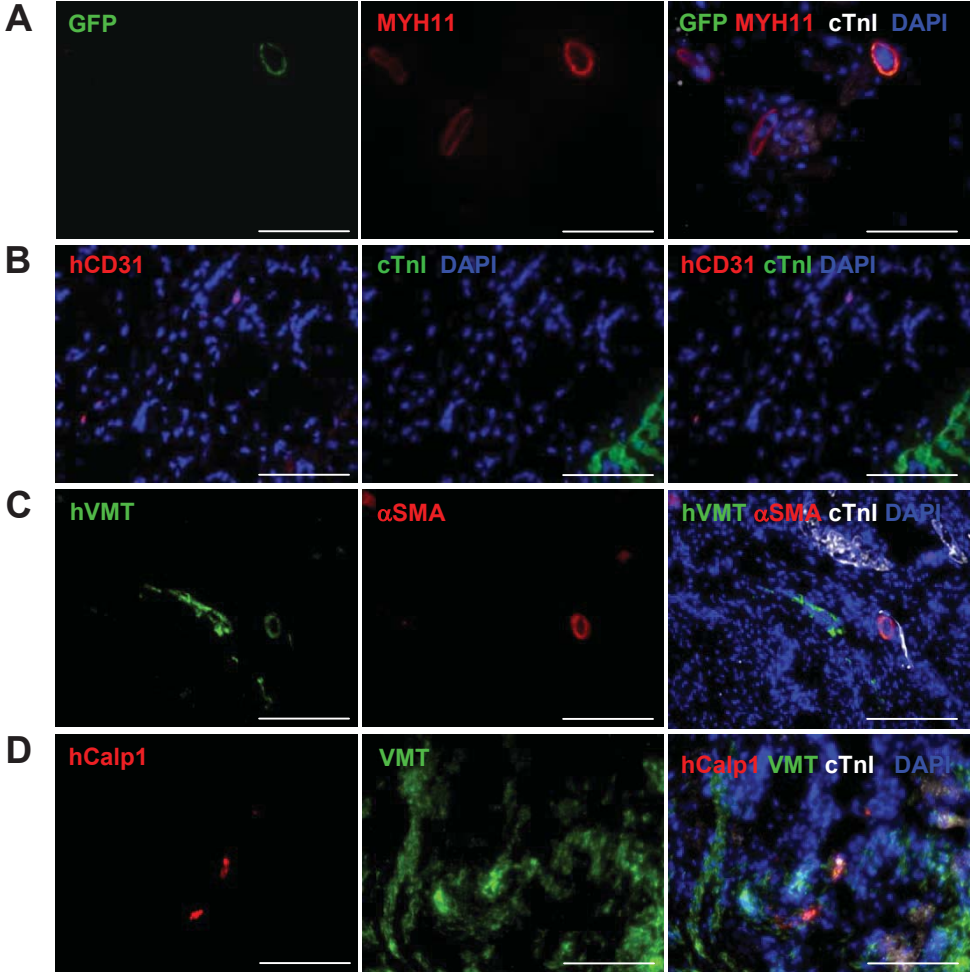
## Online Figure VII



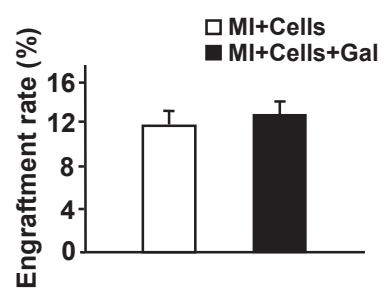
## Online Figure VIII



Online Figure IX



## Online Figure X



## Online Table I

The ITRAQ data was normalized and processed, and the list contains the proteins identified with at least 2 unique peptides over 99% or over confidence.

Accession	Name	PC-M	Pvalue	SMC-M	Pvalue	EC-M	PValue	FB-M	Pvalue
1.06E+08	neurofilament light polypeptide [Homo sapiens]	6.13		3.03		1.54		22.34	
4758128	serine/threonine-protein kinase DCLK1 isoform	5.98		5.78		1.16		3.21	
29788768	tubulin beta-2B chain [Homo sapiens]	5.79		10.90		4.07		3.05	
4503029	cellular retinoic acid-binding protein 2 [Homo sa	5.13	0.00	4.06	0.00	1.53	0.02	4.18	0.01
32490572	band 4.1-like protein 3 [Homo sapiens]	4.44	0.11	4.87	0.11	1.39	0.24	4.72	0.09
4758024	coilin [Homo sapiens]	4.29		3.58		1.18		2.95	
5174731	translin-associated protein X [Homo sapiens]	4.05	0.26	3.87	0.27	1.23	0.47	1.40	0.57
34577059	perilipin-2 [Homo sapiens]	3.87	0.01	0.93	0.56	1.11	0.39	3.16	0.00
4503979	glial fibrillary acidic protein isoform 1 [Homo sap	3.81	0.00	9.40	0.00	1.11	0.31	1.60	0.00
62739183	complement C1q tumor necrosis factor-related $\zeta$	3.73		4.30		1.23		3.32	
8923920	core histone macro-H2A.2 [Homo sapiens]	3.62		3.26		1.55		3.27	
19923362	thy-1 membrane glycoprotein preproprotein [Hoi	3.62	0.02	2.15	0.03	0.82	0.30	2.09	0.02
1.12E+08	5-azacytidine-induced protein 1 isoform b [Hom	3.61	0.42	4.51	0.34	1.14	0.80	1.57	0.50
4557585	fatty acid-binding protein, brain [Homo sapiens]	3.60		3.20		0.80		0.77	
4.22E+08	fatty acyl-CoA reductase 2 isoform 1 [Homo sap	3.59		1.27		0.59		1.72	
1.89E+08	protein PAT1 homolog 1 [Homo sapiens]	3.43		1.22		0.84		1.14	
2.42E+08	cullin-associated NEDD8-dissociated protein 2 i	3.35		3.31		0.88		4.13	
2.69E+08	ATP synthase subunit s-like protein isoform 1 [F	3.30		1.67		1.36		2.27	
74024917	atlastin-1 isoform b [Homo sapiens]	3.17	0.06	3.36	0.06	2.25	0.09	3.54	0.08
35493959	ubiquitin-protein ligase E3B isoform 1 [Homo sa	3.16	0.49	1.82	0.48	1.05	0.87	0.84	0.37
1351907	Serum albumin precursor (Allergen Bos d 6) (B $\zeta$	2.95	0.00	1.26	0.01	1.89	0.00	5.22	0.00
3.45E+08	redox-regulatory protein FAM213A isoform 3 pr	2.93	0.14	2.78	0.13	3.08	0.20	5.11	0.14
4758650	kinesin heavy chain isoform 5C [Homo sapiens]	2.91	0.07	5.44	0.05	2.15	0.09	3.39	0.12
4507129	small nuclear ribonucleoprotein E [Homo sapien	2.91	0.31	0.87	0.82	0.65	0.61	0.77	0.74
58530840	desmoplakin isoform I [Homo sapiens]	2.90	0.00	2.84	0.00	1.37	0.02	0.90	0.71
13514831	probable ATP-dependent RNA helicase DDX10	2.84		2.21		1.18		1.16	
1.12E+08	synemin isoform A [Homo sapiens]	2.75	0.06	4.46	0.04	2.74	0.06	1.69	0.20
13899317	SH3 domain-binding glutamic acid-rich-like prot	2.73		2.29		3.18		4.25	
42741679	V-type proton ATPase 116 kDa subunit a isoform	2.70	0.18	2.55	0.17	1.37	0.41	1.11	0.34
83641876	probable serine carboxypeptidase CPVL precur	2.65		4.31		0.74		4.06	
93277076	threonylcarbamoyladenosine tRNA methylthiotr	2.63		2.77		1.56		1.83	
2.38E+08	glutamate-rich WD repeat-containing protein 1 [	2.59		1.75		1.02		1.79	
5032027	histone-binding protein RBBP4 isoform a [Hom	2.57		2.85		1.40		2.24	
14141195	stromal cell-derived factor 2 precursor [Homo s	2.56	0.42	1.94	0.50	1.04	0.84	1.00	0.98
56549113	lariat debranching enzyme [Homo sapiens]	2.56	0.50	1.93	0.39	1.44	0.26	1.30	0.26
9256612	protocadherin beta-2 precursor [Homo sapiens]	2.55		3.08		2.43		3.01	
9945439	septin-5 isoform 1 [Homo sapiens]	2.54	0.03	2.16	0.03	1.21	0.08	2.19	0.02
21359945	condensin complex subunit 3 [Homo sapiens]	2.54		2.72		0.96		1.24	
5454034	protein S100-B [Homo sapiens]	2.53		4.92		0.71		0.60	
21536286	creatine kinase B-type [Homo sapiens]	2.52	0.00	4.89	0.00	2.45	0.00	1.25	0.15
3.31E+08	nuclear receptor corepressor 2 isoform 3 [Hom	2.52	0.22	1.82	0.19	1.21	0.33	1.14	0.44
33356547	DNA replication licensing factor MCM2 [Homo s	2.51	0.05	3.14	0.02	0.86	0.31	1.29	0.11
3.59E+08	dihydropyrimidinase-related protein 5 [Homo sa]	2.49	0.14	5.96	0.07	1.15	0.39	1.32	0.22
4505047	lumican precursor [Homo sapiens]	2.48	0.10	1.87	0.15	1.36	0.26	3.53	0.07
3.36E+08	neural cell adhesion molecule 1 isoform 5 precu	2.45	0.01	2.29	0.01	3.15	0.00	9.07	0.00
21218438	transcriptional repressor p66-beta [Homo sapier	2.43		2.45		1.93		2.41	
4885287	guanine nucleotide-binding protein G(I)/G(S)/G(	2.43	0.17	1.86	0.31	2.17	0.26	2.56	0.27
29294639	mesoderm-specific transcript homolog protein is	2.42	0.00	1.16	0.17	1.26	0.05	5.32	0.00
1.97E+08	uncharacterized protein C7orf50 [Homo sapiens]	2.41		2.41		1.09		2.81	
28195394	histone H2A type 2-B [Homo sapiens]	2.39	0.02	2.50	0.02	1.04	0.91	2.17	0.18

41152506	prostaglandin F2 receptor negative regulator precursor	2.37	0.17	1.70	0.31	1.46	0.17	4.22	0.05
3.95E+08	DNA replication licensing factor MCM3 isoform 1	2.37	0.11	3.31	0.08	1.07	0.52	1.85	0.28
38372901	transcription factor Sp1 isoform a [Homo sapiens]	2.37		2.42		0.98		2.41	
547754	Keratin, type II cytoskeletal 2 epidermal (Cytokeratin 2)	2.36	0.00	0.66	0.02	1.01	0.88	1.04	0.59
30725877	integral membrane protein GPR180 precursor [Transcript]	2.36		0.80		1.22		0.67	
4885253	growth arrest-specific protein 2 [Homo sapiens]	2.35	0.04	1.04	0.73	1.04	0.70	8.55	0.01
1.96E+08	keratin, type I cytoskeletal 10 [Homo sapiens]	2.35	0.00	0.63	0.00	0.95	0.32	0.83	0.03
1.12E+08	protein crumbs homolog 2 precursor [Homo sapiens]	2.34		3.40		0.94		0.84	
28557798	protein FAM84B [Homo sapiens]	2.33		2.40		3.16		1.38	
22325364	ubiquitin-associated protein 2 [Homo sapiens]	2.29	0.57	2.42	0.46	1.39	0.46	1.41	0.47
4503833	frizzled-7 precursor [Homo sapiens]	2.29		3.73		1.73		2.99	
1.54E+08	tenascin precursor [Homo sapiens]	2.27	0.00	3.11	0.00	1.90	0.00	1.05	0.63
14150147	protein syndesmosis isoform 1 [Homo sapiens]	2.22		1.85		1.07		1.63	
7705558	inositol-3-phosphate synthase 1 isoform 1 [Homo sapiens]	2.21	0.00	2.78	0.00	1.50	0.02	3.11	0.00
18644734	beta-catenin-like protein 1 [Homo sapiens]	2.21	0.43	1.46	0.23	0.88	0.61	1.34	0.22
68348709	formin-binding protein 1-like isoform 1 [Homo sapiens]	2.20	0.25	2.54	0.24	3.34	0.13	2.57	0.21
1.58E+08	ubiquitin conjugation factor E4 B isoform 1 [Homo sapiens]	2.19		1.24		1.05		1.00	
58761546	lysine-specific histone demethylase 1A isoform 1 [Homo sapiens]	2.19	0.15	1.58	0.03	0.87	0.73	0.79	0.56
47174859	tripartite motif-containing protein 46 isoform 1 [Transcript]	2.19	0.09	2.35	0.08	2.68	0.07	1.08	0.60
23510448	DNA replication licensing factor MCM5 [Homo sapiens]	2.17	0.01	2.60	0.00	1.02	0.77	1.47	0.02
71143137	high mobility group protein B3 [Homo sapiens]	2.17		2.37		1.18		3.36	
47132585	cAMP-dependent protein kinase type II-beta regulator 2	2.17		3.57		2.37		0.93	
91208437	GEM-interacting protein [Homo sapiens]	2.16		1.67		1.72		0.35	
33469968	DNA replication licensing factor MCM7 isoform 1 [Homo sapiens]	2.15	0.05	2.41	0.05	1.11	0.34	1.42	0.33
7427519	DNA replication licensing factor MCM6 [Homo sapiens]	2.15		3.10		0.76		1.49	
9506689	exosome complex component RRP41 [Homo sapiens]	2.13		1.93		0.94		0.85	
1.83E+08	regulation of nuclear pre-mRNA domain-containing protein 2	2.13		1.97		1.35		2.25	
1.53E+08	KDEL motif-containing protein 2 precursor [Homo sapiens]	2.13	0.10	1.98	0.18	1.71	0.27	3.87	0.17
33457336	interferon regulatory factor 2-binding protein-like 2	2.12		2.96		1.43		1.63	
4504897	importin subunit alpha-2 [Homo sapiens]	2.12	0.01	2.39	0.00	1.31	0.01	0.99	0.89
2.69E+08	four and a half LIM domains protein 1 isoform 2	2.08	0.00	1.82	0.00	1.27	0.04	2.11	0.00
87578396	microtubule-associated protein 2 isoform 1 [Homo sapiens]	2.08		6.60		0.52		1.45	
14150171	THO complex subunit 3 [Homo sapiens]	2.07		2.34		1.16		1.73	
4505343	nuclear cap-binding protein subunit 1 [Homo sapiens]	2.07		2.05		1.26		1.42	
4E+08	negative elongation factor C/D [Homo sapiens]	2.06		1.96		1.05		2.30	
70995211	delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial	2.06	0.00	1.42	0.01	1.20	0.05	2.15	0.01
28557745	zinc-binding alcohol dehydrogenase domain-containing protein 2	2.05		2.31		1.89		1.94	
1.18E+08	heat shock protein beta-11 [Homo sapiens]	2.04	0.23	1.25	0.27	1.04	0.76	1.20	0.54
67089147	squalene synthase [Homo sapiens]	2.04	0.01	1.37	0.03	2.04	0.01	1.39	0.06
41393554	putative RNA-binding protein Luc7-like 1 isoform 1 [Homo sapiens]	2.04	0.02	2.50	0.01	1.20	0.20	1.66	0.02
18426973	dr1-associated corepressor [Homo sapiens]	2.01		1.25		0.92		1.05	
50843837	rho guanine nucleotide exchange factor 40 [Homo sapiens]	2.00		1.81		0.73		1.82	
4.59E+08	coiled-coil domain-containing protein 12 2 [Homo sapiens]	2.00		2.15		1.03		2.19	
4885375	histone H1.2 [Homo sapiens]	1.99	0.00	2.84	0.00	1.33	0.06	3.09	0.00
7662274	TOX high mobility group box family member 4 [Transcript]	1.98		2.18		1.21		1.52	
28372531	serine/threonine-protein phosphatase 4 regulator 1	1.97		2.17		1.43		1.83	
1.19E+08	RNA-binding protein 12B [Homo sapiens]	1.97	0.02	1.94	0.04	1.25	0.12	1.72	0.10
53759148	retinoblastoma-binding protein 5 isoform 1 [Homo sapiens]	1.97		2.25		1.10		2.19	
4557403	mitochondrial carnitine/acylcarnitine carrier protein 1	1.97	0.18	1.20	0.39	1.13	0.50	1.62	0.13
4.1E+08	PREDICTED: thioredoxin-interacting protein-like 1	1.97		0.84		4.80		3.23	
1.9E+08	dihydropyrimidinase-related protein 4 [Homo sapiens]	1.96		3.07		2.03		1.77	
33149331	nucleoredoxin isoform 1 [Homo sapiens]	1.95	0.28	2.43	0.27	1.99	0.25	2.10	0.28
1.96E+08	dysferlin isoform 2 [Homo sapiens]	1.94	0.16	1.06	0.67	3.10	0.06	0.79	0.26
1.48E+08	hydroxymethylglutaryl-CoA synthase, cytoplasmic	1.94	0.27	1.63	0.19	1.22	0.42	1.17	0.70
13491174	MARCKS-related protein [Homo sapiens]	1.93	0.05	2.33	0.03	1.72	0.02	2.25	0.05
4504919	keratin, type II cytoskeletal 8 isoform 2 [Homo sapiens]	1.93	0.00	0.87	0.26	#####	0.00	1.52	0.00

1.17E+08	spliceosome-associated protein CWC15 homolog 1.93		2.07		1.09		1.85		
5031851	stathmin isoform a [Homo sapiens]	1.93	0.00	2.71	0.00	1.34	0.00	2.19	0.00
57242796	lysine-specific demethylase 5B [Homo sapiens]	1.93		2.17		1.62		1.51	
91208418	transcription elongation regulator 1 isoform 2 [Homo sapiens]	1.93	0.02	1.93	0.02	1.37	0.19	2.13	0.01
13569879	acidic leucine-rich nuclear phosphoprotein 32 family class A member 1 [Homo sapiens]	1.92	0.10	1.94	0.10	1.45	0.17	2.33	0.15
50345294	hematological and neurological expressed protein 1 precursor [Homo sapiens]	1.91	0.06	2.31	0.00	1.66	0.02	1.35	0.13
73747829	DNA ligase 3 isoform alpha precursor [Homo sapiens]	1.91	0.02	2.11	0.01	1.06	0.55	2.28	0.01
4503101	cysteine and glycine-rich protein 2 [Homo sapiens]	1.91	0.00	2.42	0.00	2.99	0.00	1.98	0.00
1.56E+08	general transcription factor 3C polypeptide 4 [Homo sapiens]	1.91		1.99		1.11		1.78	
51317370	NADH dehydrogenase [ubiquinone] 1 alpha subunit 1 [Homo sapiens]	1.91	0.56	1.49	0.66	1.18	0.70	1.44	0.51
20986521	mitogen-activated protein kinase 8 isoform beta [Homo sapiens]	1.90		1.59		1.36		1.33	
29789090	protein RCC2 [Homo sapiens]	1.90	0.00	1.83	0.00	1.27	0.00	1.72	0.00
62422571	dihydropyrimidinase-related protein 1 isoform 1 [Homo sapiens]	1.89	0.16	2.16	0.08	1.66	0.13	1.76	0.14
27262628	nuclear autoantigenic sperm protein isoform 2 [Homo sapiens]	1.88	0.00	2.33	0.00	1.16	0.09	2.27	0.01
1.49E+08	acetyl-CoA acetyltransferase, cytosolic [Homo sapiens]	1.87	0.00	1.45	0.00	1.60	0.00	2.35	0.00
7661690	coiled-coil domain-containing protein 9 [Homo sapiens]	1.87	0.37	1.90	0.36	1.57	0.44	1.83	0.30
2.1E+08	periostin isoform 1 precursor [Homo sapiens]	1.86	0.00	1.39	0.03	1.36	0.01	1.18	0.03
1.18E+08	chromodomain-helicase-DNA-binding protein 2 [Homo sapiens]	1.86	0.33	1.80	0.34	1.42	0.18	1.51	0.15
2.24E+08	histone-lysine N-methyltransferase SETDB1 isoform 1 [Homo sapiens]	1.86		1.78		1.29		1.99	
10337613	B-cell CLL/lymphoma 7 protein family member 1 [Homo sapiens]	1.86		2.34		1.31		2.86	
33300633	integrator complex subunit 11 isoform 2 [Homo sapiens]	1.85		1.75		0.96		1.91	
1.19E+08	serine/arginine repetitive matrix protein 2 [Homo sapiens]	1.85	0.05	1.61	0.00	1.33	0.03	1.67	0.02
32895368	collagen alpha-1(VIII) chain precursor [Homo sapiens]	1.84	0.06	1.16	0.25	0.98	0.82	0.95	0.60
8922563	dnaJ homolog subfamily C member 17 [Homo sapiens]	1.84		1.64		1.21		2.00	
51599156	chromodomain-helicase-DNA-binding protein 4 [Homo sapiens]	1.84	0.00	2.07	0.00	1.07	0.25	1.84	0.00
31542745	protein wntless homolog isoform 1 precursor [Homo sapiens]	1.83	0.11	2.36	0.08	1.31	0.23	2.09	0.09
46397394	pogo transposable element with ZNF domain isoform 1 [Homo sapiens]	1.82	0.11	2.26	0.08	1.47	0.17	2.16	0.08
24638446	histone H2A type 2-C [Homo sapiens]	1.82		2.05		0.91		2.24	
5031877	lamin-B1 isoform 1 [Homo sapiens]	1.82	0.00	2.22	0.00	1.43	0.00	2.75	0.00
5803036	heterogeneous nuclear ribonucleoprotein A0 [Homo sapiens]	1.80	0.00	1.95	0.00	1.26	0.02	2.14	0.00
1.17E+08	tetratricopeptide repeat protein 38 [Homo sapiens]	1.79		1.41		1.07		2.00	
30795180	zinc finger FYVE domain-containing protein 1 isoform 1 [Homo sapiens]	1.79		1.56		1.25		1.21	
4504277	histone H2B type 2-E [Homo sapiens]	1.78	0.11	1.94	0.13	1.14	0.42	2.73	0.07
4505587	platelet-activating factor acetylhydrolase IB subunit 1 [Homo sapiens]	1.78	0.05	1.99	0.02	1.19	0.08	1.59	0.03
4.03E+08	ras-related protein Rap-2c isoform 1 precursor [Homo sapiens]	1.78		1.38		1.09		1.52	
37595752	lamin-B receptor [Homo sapiens]	1.77	0.11	2.11	0.08	1.49	0.16	2.63	0.07
77539758	histone H4 [Homo sapiens]	1.77	0.03	2.10	0.00	0.88	0.31	1.90	0.00
2.56E+08	versican core protein isoform 4 precursor [Homo sapiens]	1.77	0.02	1.56	0.07	1.57	0.03	1.18	0.79
3.27E+08	HEAT repeat-containing protein 5A [Homo sapiens]	1.77		1.37		0.88		0.72	
5902724	RNA-binding protein Nova-2 [Homo sapiens]	1.77	0.13	2.43	0.09	1.44	0.39	2.68	0.57
2.22E+08	NADH dehydrogenase [ubiquinone] flavoprotein 1 [Homo sapiens]	1.77	0.61	1.82	0.61	0.93	0.83	1.22	0.56
7706617	glycerophosphodiester phosphodiesterase 1 [Homo sapiens]	1.76		1.60		1.10		1.28	
5174409	CD2 antigen cytoplasmic tail-binding protein 2 [Homo sapiens]	1.76		2.14		1.44		2.15	
1.27E+08	zinc finger CCCH domain-containing protein 4 [Homo sapiens]	1.76	0.11	1.85	0.10	1.23	0.28	1.62	0.13
33469919	DNA replication licensing factor MCM4 [Homo sapiens]	1.76	0.10	2.21	0.08	0.90	0.58	1.36	0.07
1.5E+08	brefeldin A-inhibited guanine nucleotide-exchange factor 1 [Homo sapiens]	1.76	0.37	1.64	0.37	1.30	0.25	1.04	0.79
93141031	paralemmin-1 isoform 1 [Homo sapiens]	1.75	0.02	1.85	0.05	1.82	0.09	2.02	0.09
66346695	fibrillin-2 precursor [Homo sapiens]	1.75		0.97		1.37		1.62	
3.26E+08	SWI/SNF-related matrix-associated actin-dependent nuclear core protein 1 [Homo sapiens]	1.75	0.22	1.76	0.11	1.22	0.54	1.50	0.30
5803092	methionine aminopeptidase 2 [Homo sapiens]	1.75	0.11	1.51	0.16	1.12	0.47	1.54	0.15
15487670	nuclear RNA export factor 1 isoform 1 [Homo sapiens]	1.75	0.07	1.80	0.04	1.07	0.50	1.71	0.09
1.57E+08	poly [ADP-ribose] polymerase 1 [Homo sapiens]	1.74	0.00	2.19	0.00	1.10	0.04	2.04	0.00
1.17E+08	tRNA-splicing endonuclease subunit Sen34 [Homo sapiens]	1.74	0.45	1.51	0.24	0.77	0.26	1.25	0.56
4507217	signal recognition particle 9 kDa protein isoform 1 [Homo sapiens]	1.74	0.02	1.58	0.03	1.00	0.99	1.74	0.02
15826840	inactive tyrosine-protein kinase 7 isoform alpha precursor [Homo sapiens]	1.74	0.00	2.05	0.00	1.56	0.00	1.61	0.00
31563338	forkhead box protein K2 [Homo sapiens]	1.74	0.11	1.78	0.11	1.09	0.87	1.34	0.51

11034811	catenin delta-2 [Homo sapiens]	1.73	0.24	2.95	0.08	0.86	0.80	1.52	0.22
4506141	serine protease HTRA1 precursor [Homo sapiens]	1.73	0.07	1.11	0.42	1.11	0.27	1.50	0.09
55925576	insulin-like growth factor-binding protein 2 precursor [Homo sapiens]	1.73	0.12	1.77	0.20	1.68	0.32	1.32	0.24
72534684	phospholipase D3 [Homo sapiens]	1.73	0.00	1.98	0.00	1.46	0.00	2.62	0.00
1.91E+08	dephospho-CoA kinase domain-containing protein 1 [Homo sapiens]	1.73	0.04	2.55	0.04	1.49	0.14	2.58	0.07
1.71E+08	general transcription factor 3C polypeptide 5 isoform 1 [Homo sapiens]	1.72	0.13	1.70	0.12	0.93	0.66	1.30	0.24
5031633	FERM, RhoGEF and pleckstrin domain-containing protein 1 [Homo sapiens]	1.72	0.00	1.52	0.00	1.67	0.00	2.87	0.00
19923475	tRNA (adenine(58)-N(1))-methyltransferase non-mammalian [Homo sapiens]	1.72		1.65		0.94		1.16	
93102371	protein polybromo-1 [Homo sapiens]	1.72		1.87		1.15		1.82	
1.16E+08	myosin light chain kinase, smooth muscle isoform 1 [Homo sapiens]	1.72	0.08	0.86	0.53	2.31	0.02	0.79	0.29
4557888	keratin, type I cytoskeletal 18 [Homo sapiens]	1.72	0.00	0.81	0.03	#####	0.00	1.37	0.00
11641247	Golgi-associated plant pathogenesis-related protein 1 [Homo sapiens]	1.72	0.03	1.47	0.03	2.09	0.04	2.21	0.04
2.24E+08	SURP and G-patch domain-containing protein 2 [Homo sapiens]	1.71	0.02	2.03	0.04	1.36	0.06	2.52	0.07
2.25E+08	importin-13 [Homo sapiens]	1.71		2.95		0.95		1.72	
3.25E+08	replication factor C subunit 1 isoform 2 [Homo sapiens]	1.71		1.95		0.90		1.74	
38569505	probable ATP-dependent RNA helicase DDX52 [Homo sapiens]	1.71		1.50		1.18		0.99	
3.56E+08	gem-associated protein 5 isoform 2 [Homo sapiens]	1.71	0.19	1.81	0.16	1.03	0.84	1.42	0.44
91208423	thyroid receptor-interacting protein 6 [Homo sapiens]	1.71		1.48		1.19		1.92	
1.97E+08	5'-nucleotidase domain-containing protein 2 isoform 1 [Homo sapiens]	1.70	0.00	1.54	0.00	1.72	0.00	1.23	0.15
4.1E+08	PREDICTED: chromodomain-helicase-DNA-binding protein 1 [Homo sapiens]	1.70	0.23	1.82	0.27	1.10	0.54	1.33	0.81
19923855	synapse-associated protein 1 [Homo sapiens]	1.70		1.10		0.85		0.36	
15626999	inosine triphosphate pyrophosphatase isoform 1 [Homo sapiens]	1.70	0.08	1.56	0.08	1.24	0.16	1.33	0.35
4758356	flap endonuclease 1 [Homo sapiens]	1.70	0.04	1.79	0.04	0.95	0.47	1.51	0.05
2.4E+08	tRNA-dihydrouridine(47) synthase [NAD(P)(+)]-dependent [Homo sapiens]	1.69		1.57		0.86		0.94	
93277122	RNA-binding protein 4 isoform 1 [Homo sapiens]	1.69	0.03	1.83	0.02	1.29	0.05	1.72	0.01
24234683	ubiquitin carboxyl-terminal hydrolase 11 [Homo sapiens]	1.69	0.45	2.72	0.21	1.11	0.48	1.54	0.15
38176300	nestin [Homo sapiens]	1.69	0.00	1.71	0.00	3.16	0.00	1.70	0.00
1.19E+08	lysosomal alpha-glucosidase preproprotein [Homo sapiens]	1.69	0.00	1.33	0.01	1.13	0.23	1.62	0.00
4504425	high mobility group protein B1 [Homo sapiens]	1.69	0.00	1.87	0.00	1.11	0.14	1.75	0.01
15147335	nuclear receptor coactivator 5 [Homo sapiens]	1.68	0.33	1.73	0.44	1.10	0.72	1.70	0.45
19913369	transducin beta-like protein 3 [Homo sapiens]	1.68	0.02	1.51	0.04	0.88	0.27	1.00	1.00
2.66E+08	6-phosphofructokinase, muscle type isoform 1 [Homo sapiens]	1.67	0.09	1.28	0.02	1.15	0.07	1.36	0.14
1.1E+08	trafficking protein particle complex subunit 5 [Homo sapiens]	1.67	0.17	1.13	0.82	0.87	0.73	0.99	0.98
1.93E+08	transcription activator BRG1 isoform D [Homo sapiens]	1.67	0.01	1.84	0.00	1.22	0.05	1.48	0.08
7657198	probable dimethyladenosine transferase [Homo sapiens]	1.67	0.19	1.87	0.43	0.90	0.80	0.81	0.51
2.24E+08	histone-lysine N-methyltransferase EHMT1 isoform 1 [Homo sapiens]	1.67		1.48		1.44		1.98	
56786144	dual specificity protein phosphatase 23 [Homo sapiens]	1.67	0.03	1.43	0.05	1.05	0.66	1.12	0.31
62912476	lethal(2) giant larvae protein homolog 1 [Homo sapiens]	1.67	0.04	1.40	0.10	1.20	0.15	1.81	0.17
4504245	histone H2A type 1-C [Homo sapiens]	1.67		1.85		0.76		1.87	
4503503	translation initiation factor eIF-2B subunit alpha [Homo sapiens]	1.66	0.11	1.11	0.70	0.76	0.46	0.90	0.92
4507555	thymopoietin isoform alpha [Homo sapiens]	1.66	0.46	1.38	0.19	0.79	0.65	1.13	0.71
3.79E+08	RNA polymerase II-associated factor 1 homolog 1 [Homo sapiens]	1.66	0.14	1.87	0.17	1.15	0.42	1.61	0.16
56237027	insulin-like growth factor 2 mRNA-binding protein 1 [Homo sapiens]	1.66	0.00	1.77	0.00	2.77	0.00	2.08	0.01
3.21E+08	RPS10-NUDT3 protein [Homo sapiens]	1.66		1.20		0.56		0.65	
5803078	mucosa-associated lymphoid tissue lymphoma transmembrane protein 1 [Homo sapiens]	1.65	0.33	1.67	0.35	0.78	0.33	1.22	0.69
4502847	cold-inducible RNA-binding protein [Homo sapiens]	1.65	0.03	2.09	0.01	1.02	0.84	2.26	0.03
46447823	NFATC2-interacting protein [Homo sapiens]	1.65		1.42		1.36		0.79	
4502277	sodium/potassium-transporting ATPase subunit alpha 1 [Homo sapiens]	1.65		2.87		1.50		1.67	
94536743	protein DDX26B [Homo sapiens]	1.65		1.45		1.09		1.79	
20336300	putative pre-mRNA-splicing factor ATP-dependent [Homo sapiens]	1.65		1.59		1.33		1.57	
14141170	metastasis-associated protein MTA2 [Homo sapiens]	1.64	0.01	1.72	0.00	1.05	0.56	1.34	0.07
4759098	transformer-2 protein homolog beta isoform 1 [Homo sapiens]	1.64		1.82		1.21		1.87	
21361659	importin-9 [Homo sapiens]	1.64	0.00	1.83	0.00	1.15	0.22	1.44	0.02
70906441	deoxyuridine 5'-triphosphate nucleotidohydrolase 1 [Homo sapiens]	1.64	0.01	1.79	0.01	0.94	0.65	1.05	0.67
13994259	28S ribosomal protein S5, mitochondrial [Homo sapiens]	1.63		1.37		1.26		1.15	
61743916	carboxypeptidase A4 preproprotein [Homo sapiens]	1.63	0.31	1.00	0.99	0.55	0.11	0.65	0.28



53793688	histone H3.2 [Homo sapiens]	1.63	0.07	2.07	0.00	0.98	0.78	2.60	0.00
1.49E+08	exportin-4 [Homo sapiens]	1.63		1.68		1.15		2.38	
29826282	protein phosphatase 1G [Homo sapiens]	1.63	0.01	1.78	0.00	1.13	0.19	1.78	0.01
17402904	exosome complex component MTR3 [Homo sapiens]	1.63		1.53		0.94		1.38	
33946282	protein virilizer homolog isoform 1 [Homo sapiens]	1.63		1.79		1.44		1.58	
62988276	mitochondrial ribonuclease P protein 3 isoform 1 [Homo sapiens]	1.63	0.13	1.14	0.52	1.02	0.86	1.44	0.42
41152097	A-kinase anchor protein 17A isoform 1 [Homo sapiens]	1.62	0.13	1.72	0.18	1.32	0.22	1.73	0.19
16418383	nucleus accumbens-associated protein 1 [Homo sapiens]	1.62	0.14	1.57	0.16	1.03	0.85	1.35	0.22
24475816	very-long-chain enoyl-CoA reductase [Homo sapiens]	1.61	0.32	1.35	0.31	1.14	0.51	1.26	0.27
1.55E+08	sister chromatid cohesion protein PDS5 homolog 1 [Homo sapiens]	1.61		1.93		1.23		1.09	
45269149	nicotinate-nucleotide pyrophosphorylase [carboxyl transferase] [Homo sapiens]	1.61	0.05	1.17	0.14	1.93	0.05	3.54	0.03
4507241	FACT complex subunit SSRP1 [Homo sapiens]	1.60	0.00	1.81	0.00	0.84	0.01	1.66	0.00
1.56E+08	kanadaplin [Homo sapiens]	1.60		1.58		1.14		1.12	
57863248	terminal uridylyltransferase 4 isoform a [Homo sapiens]	1.60		1.80		1.85		1.56	
20070260	negative elongation factor B [Homo sapiens]	1.60		2.09		1.12		1.92	
4503325	deoxyhypusine synthase isoform a [Homo sapiens]	1.60		1.36		0.86		0.68	
40018640	parafibromin [Homo sapiens]	1.60	0.03	1.63	0.03	1.02	0.90	1.17	0.58
48255947	plasma membrane calcium-transporting ATPase 1 [Homo sapiens]	1.60		1.09		0.99		1.68	
33942072	protein canopy homolog 3 precursor [Homo sapiens]	1.60		1.58		0.63		1.59	
1.67E+08	tRNA (guanine-N(7)-)-methyltransferase isoform 1 [Homo sapiens]	1.60		1.44		0.73		0.88	
1.16E+08	lipase maturation factor 1 [Homo sapiens]	1.59		1.46		1.42		1.23	
27883866	synembryn-A [Homo sapiens]	1.59	0.00	1.13	0.47	0.98	0.93	0.93	0.84
57165424	cullin-4A isoform 1 [Homo sapiens]	1.59	0.03	1.01	0.94	0.98	0.88	0.91	0.73
1.44E+08	39S ribosomal protein L1, mitochondrial precursor [Homo sapiens]	1.59	0.32	1.16	0.55	1.04	0.83	1.17	0.69
5453579	bone morphogenetic protein 1 isoform 3 precursor [Homo sapiens]	1.58		1.19		2.76		1.19	
5453880	acidic leucine-rich nuclear phosphoprotein 32 family class B member 1 [Homo sapiens]	1.58	0.01	1.69	0.01	1.34	0.02	2.22	0.00
13124873	core-binding factor subunit beta isoform 2 [Homo sapiens]	1.58	0.03	1.57	0.03	1.11	0.32	1.08	0.46
40786408	vesicle transport protein SFT2B [Homo sapiens]	1.58		1.62		1.01		1.80	
74048434	leucine carboxyl methyltransferase 1 isoform a [Homo sapiens]	1.58		1.64		1.10		1.40	
38605733	nucleoporin Nup43 [Homo sapiens]	1.58	0.15	1.60	0.14	1.12	0.52	1.49	0.21
33469941	DNA-directed RNA polymerase I subunit RPA2 isoform 1 [Homo sapiens]	1.58		1.23		0.99		0.84	
56699456	iron-sulfur cluster assembly enzyme ISCU, mitochondrial [Homo sapiens]	1.58		1.56		1.24		1.55	
20149530	casein kinase I isoform delta isoform 1 [Homo sapiens]	1.58		1.37		0.77		0.72	
4504111	growth factor receptor-bound protein 2 isoform 1 [Homo sapiens]	1.58	0.01	1.46	0.01	1.33	0.03	1.19	0.10
41281496	mediator of RNA polymerase II transcription subunit 1 [Homo sapiens]	1.58		1.89		0.98		1.44	
2.61E+08	palladin isoform 3 [Homo sapiens]	1.58	0.08	1.64	0.21	0.93	0.67	0.86	0.27
28212272	nucleolar protein 9 [Homo sapiens]	1.57	0.05	1.35	0.13	0.86	0.22	1.17	0.24
18426913	drebrin isoform b [Homo sapiens]	1.57	0.00	1.71	0.00	1.70	0.00	1.26	0.00
4505751	profilin-2 isoform b [Homo sapiens]	1.57	0.05	1.62	0.02	1.10	0.23	1.75	0.02
4506001	protoporphyrinogen oxidase [Homo sapiens]	1.57	0.20	1.35	0.22	1.13	0.84	1.66	0.32
40068518	6-phosphogluconate dehydrogenase, decarboxylating [Homo sapiens]	1.57	0.00	1.52	0.00	1.56	0.00	1.86	0.00
4557719	DNA ligase 1 [Homo sapiens]	1.57		1.61		1.10		0.87	
4826972	RNA-binding protein 8A [Homo sapiens]	1.56	0.08	1.49	0.16	1.29	0.19	1.51	0.06
1.26E+08	protein Red [Homo sapiens]	1.56		1.60		1.00		1.63	
1.57E+08	UPF0609 protein C4orf27 [Homo sapiens]	1.56	0.18	1.74	0.16	0.76	0.29	1.40	0.48
53759107	argininosuccinate synthase [Homo sapiens]	1.56	0.00	1.77	0.00	1.06	0.20	3.71	0.00
24308324	fatty acyl-CoA reductase 1 [Homo sapiens]	1.56		1.47		1.08		0.75	
21396504	ephrin type-B receptor 2 isoform 2 precursor [Homo sapiens]	1.56	0.18	1.22	0.45	1.08	0.80	1.45	0.41
11225260	DNA topoisomerase 1 [Homo sapiens]	1.56	0.00	1.53	0.00	1.05	0.64	1.38	0.16
1.64E+08	sacsin [Homo sapiens]	1.56	0.05	1.84	0.01	1.23	0.13	1.06	0.71
2.55E+08	general transcription factor II-I isoform 5 [Homo sapiens]	1.56	0.00	1.78	0.00	1.23	0.02	2.28	0.00
1.17E+08	desmoglein-2 preproprotein [Homo sapiens]	1.55	0.30	1.48	0.23	2.18	0.14	1.23	0.65
13124891	polypeptide N-acetylgalactosaminyltransferase 1 [Homo sapiens]	1.55	0.00	0.91	0.14	0.90	0.26	1.76	0.00
40807447	proline-rich protein PRCC [Homo sapiens]	1.55	0.43	1.36	0.59	1.09	0.71	1.82	0.41
96974985	coiled-coil and C2 domain-containing protein 1A [Homo sapiens]	1.55	0.16	1.69	0.43	1.39	0.20	1.38	0.27
50658065	structural maintenance of chromosomes protein 1 [Homo sapiens]	1.55		2.07		0.77		0.72	

7706427	cleavage and polyadenylation specificity factor $\epsilon$	1.55	1.60	1.10	1.42				
34452715	calcium-dependent secretion activator 1 isoform 1	1.55	1.95	0.56	0.79				
62750354	matrin-3 isoform a [Homo sapiens]	1.54	0.00	1.76	0.00	1.14	0.00	1.72	0.00
4557581	fatty acid-binding protein, epidermal [Homo sapiens]	1.54	0.00	1.36	0.01	0.98	0.80	5.14	0.00
6912540	cytosolic Fe-S cluster assembly factor NUBP2 [Homo sapiens]	1.54	0.29	1.33	0.09	1.18	0.21	1.29	0.38
4759234	TATA box-binding protein-like protein 1 [Homo sapiens]	1.54		1.42		1.03		1.08	
66392146	phosphorylated adapter RNA export protein [Homo sapiens]	1.54		1.66		1.07		1.05	
4504431	high mobility group protein HMGI-C isoform a [Homo sapiens]	1.54	0.05	1.40	0.06	2.07	0.02	1.94	0.02
3.72E+08	serine/threonine-protein kinase A-Raf isoform 2 [Homo sapiens]	1.53	0.31	1.51	0.54	1.18	0.65	0.84	0.60
3.93E+08	interleukin enhancer-binding factor 2 isoform 2 [Homo sapiens]	1.53	0.01	1.39	0.00	1.04	0.64	1.58	0.01
2.05E+08	bifunctional coenzyme A synthase isoform c [Homo sapiens]	1.53	0.24	1.23	0.12	0.76	0.08	1.36	0.06
14916483	caspase-6 isoform alpha preproprotein [Homo sapiens]	1.53	0.20	1.52	0.24	1.41	0.35	2.13	0.26
54792138	probable helicase with zinc finger domain [Homo sapiens]	1.53	0.15	1.51	0.15	1.26	0.26	1.53	0.15
56181387	E3 ubiquitin-protein ligase CHIP [Homo sapiens]	1.53		1.28		1.12		0.96	
38788319	guanine nucleotide-binding protein-like 1 [Homo sapiens]	1.53	0.17	1.38	0.21	0.64	0.34	1.16	0.42
5174703	TGF-beta-activated kinase 1 and MAP3K7-binding protein 1 [Homo sapiens]	1.53		1.53		1.25		1.36	
39725938	DNA-directed RNA polymerase III subunit RPC11 [Homo sapiens]	1.53		1.77		1.19		1.34	
1.11E+08	DNA-directed RNA polymerase, mitochondrial $\beta$ [Homo sapiens]	1.53	0.30	1.88	0.28	0.98	0.88	0.89	0.80
1.09E+08	60 kDa SS-A/Ro ribonucleoprotein isoform 1 [Homo sapiens]	1.53	0.00	1.53	0.00	1.39	0.00	1.33	0.00
9558733	transformer-2 protein homolog alpha [Homo sapiens]	1.52	0.15	1.87	0.10	1.08	0.56	1.71	0.90
38026934	rho guanine nucleotide exchange factor 11 isoform c [Homo sapiens]	1.52	0.11	1.64	0.04	1.29	0.26	2.03	0.01
5031719	glypican-6 precursor [Homo sapiens]	1.52	0.09	0.89	0.48	2.26	0.01	1.34	0.07
4506903	serine/arginine-rich splicing factor 9 [Homo sapiens]	1.52	0.00	1.64	0.00	1.33	0.02	1.73	0.00
2.17E+08	heterogeneous nuclear ribonucleoprotein L-like protein 1 [Homo sapiens]	1.52	0.15	1.38	0.19	1.17	0.36	1.35	0.20
4506761	protein S100-A10 [Homo sapiens]	1.52	0.01	0.86	0.41	2.57	0.00	1.50	0.03
33286418	pyruvate kinase isozymes M1/M2 isoform a [Homo sapiens]	1.52		0.96		1.06		0.78	
30581135	structural maintenance of chromosomes protein 1 [Homo sapiens]	1.52	0.10	1.73	0.04	1.02	0.87	1.32	0.13
1.94E+08	hsp70-binding protein 1 [Homo sapiens]	1.51		1.64		1.03		1.14	
4506007	serine/threonine-protein phosphatase PP1-gamma [Homo sapiens]	1.51		1.55		1.03		1.40	
73760405	thymopoietin isoform beta [Homo sapiens]	1.51	0.01	1.62	0.01	1.15	0.39	2.68	0.00
7706143	armadillo repeat-containing X-linked protein 1 [Homo sapiens]	1.51		0.76		0.42		0.32	
1.53E+08	myristoylated alanine-rich C-kinase substrate [Homo sapiens]	1.51	0.00	1.22	0.03	1.22	0.01	1.48	0.01
28558969	mediator of RNA polymerase II transcription subunit 1 [Homo sapiens]	1.51	0.15	1.66	0.12	1.03	0.79	1.48	0.16
5453994	double-strand-break repair protein rad21 homolog 1 [Homo sapiens]	1.51	0.20	1.87	0.18	0.84	0.34	1.66	0.13
31377548	glucose 1,6-bisphosphate synthase [Homo sapiens]	1.51	0.15	0.87	0.67	0.92	0.89	0.78	0.64
23238226	cdc42 effector protein 1 [Homo sapiens]	1.50		1.37		1.36		1.26	
5032087	splicing factor 3A subunit 1 isoform 1 [Homo sapiens]	1.50	0.00	1.53	0.00	1.19	0.03	1.53	0.01
67188550	RNA polymerase II subunit A C-terminal domain [Homo sapiens]	1.50		1.45		1.36		0.78	
7657562	SH3 domain-binding protein 4 [Homo sapiens]	1.50	0.17	1.44	0.19	0.90	0.54	0.65	0.17
1.5E+08	signal recognition particle 14 kDa protein [Homo sapiens]	1.50	0.08	1.36	0.07	0.91	0.35	1.56	0.05
66933014	3-hydroxybutyrate dehydrogenase type 2 [Homo sapiens]	1.50	0.15	1.32	0.22	0.93	0.60	1.14	0.41
63252904	tropomyosin alpha-1 chain isoform 6 [Homo sapiens]	1.50	0.15	1.25	0.27	1.98	0.09	2.12	0.09
2.26E+08	glycogen synthase kinase-3 beta isoform 2 [Homo sapiens]	1.50	0.16	1.34	0.22	1.04	0.77	0.88	0.97
16332358	cyclin-dependent kinase 11B isoform 2 [Homo sapiens]	1.50	0.09	1.46	0.06	1.01	0.91	1.47	0.06
38679892	peptidyl-prolyl cis-trans isomerase NIMA-interacting 1 [Homo sapiens]	1.50	0.25	1.37	0.19	1.76	0.32	1.32	0.22
2.38E+08	synaptojanin-1 isoform a [Homo sapiens]	1.50		1.89		1.14		1.30	
3.2E+08	alpha-amino adipic semialdehyde dehydrogenase [Homo sapiens]	1.49	0.00	1.83	0.00	1.27	0.00	1.37	0.00
1.46E+08	YLP motif-containing protein 1 [Homo sapiens]	1.49	0.43	1.56	0.17	1.13	0.28	1.31	0.08
13376007	isochorismatase domain-containing protein 2, mitochondrial [Homo sapiens]	1.49		1.07		1.11		0.93	
29648305	zinc finger CCHC domain-containing protein 3 [Homo sapiens]	1.49	0.44	1.65	0.43	1.23	0.43	2.85	0.32
1.98E+08	WD repeat-containing protein 6 [Homo sapiens]	1.49	0.01	1.52	0.00	1.51	0.02	1.46	0.01
3.99E+08	sorbin and SH3 domain-containing protein 2 isoform 1 [Homo sapiens]	1.49	0.16	1.15	0.39	1.68	0.12	0.79	0.38
5032179	transcription intermediary factor 1-beta [Homo sapiens]	1.49	0.00	1.81	0.00	1.36	0.00	1.86	0.00
34335253	disks large-associated protein 4 isoform a [Homo sapiens]	1.49	0.14	1.32	0.24	1.34	0.38	1.26	0.59
41281489	IST1 homolog isoform b [Homo sapiens]	1.49	0.23	1.41	0.31	1.28	0.13	1.67	0.05
53759151	acyl-CoA desaturase [Homo sapiens]	1.48		1.30		0.65		0.75	

14670268	negative elongation factor E [Homo sapiens]	1.48		1.58		1.35		1.72	
47174864	exosome complex component RRP46 [Homo sapiens]	1.48	0.17	1.10	0.54	0.86	0.58	1.01	0.96
49574532	glycogen synthase kinase-3 alpha [Homo sapiens]	1.48	0.52	1.33	0.48	0.88	0.49	0.77	0.29
53729363	E3 ubiquitin-protein ligase LRSAM1 isoform 1 [Homo sapiens]	1.48	0.18	1.23	0.32	1.20	0.35	1.40	0.42
3.01E+08	death-inducer obliterator 1 isoform c [Homo sapiens]	1.48	0.16	1.50	0.16	1.03	0.84	1.62	0.13
40806205	protein Wnt-5a isoform 1 [Homo sapiens]	1.48	0.16	1.33	0.22	1.43	0.32	1.20	0.33
5803221	WD repeat-containing protein 3 [Homo sapiens]	1.48	0.04	1.83	0.11	1.06	0.79	1.36	0.33
3.81E+08	probable ATP-dependent RNA helicase DDX6 [Homo sapiens]	1.48	0.00	1.53	0.00	1.18	0.01	1.28	0.02
70166852	double-stranded RNA-specific adenosine deaminase 1 [Homo sapiens]	1.48	0.00	1.39	0.00	1.27	0.00	1.64	0.00
6912660	NAD-dependent protein deacetylase sirtuin-3, nuclear isoform 1 [Homo sapiens]	1.48		1.66		1.20		2.73	
1.57E+08	set1/Ash2 histone methyltransferase complex subunit 1 [Homo sapiens]	1.48		1.65		1.15		1.35	
38788372	intron-binding protein aquarius [Homo sapiens]	1.48	0.05	1.55	0.04	1.08	0.47	1.40	0.21
8923516	ankyrin repeat and SOCS box protein 6 isoform 1 [Homo sapiens]	1.47		1.46		0.79		0.89	
22538446	quinone oxidoreductase PIG3 isoform 1 [Homo sapiens]	1.47	0.08	1.32	0.07	1.61	0.00	1.62	0.01
30089972	peroxisomal acyl-coenzyme A oxidase 1 isoform 1 [Homo sapiens]	1.47	0.02	1.79	0.00	1.03	0.78	0.95	0.59
3.66E+08	protein C19orf12 isoform 2 [Homo sapiens]	1.47		1.58		1.07		1.49	
48675813	transportin-2 isoform 2 [Homo sapiens]	1.47		1.35		0.93		1.17	
21237808	SWI/SNF complex subunit SMARCC2 isoform b [Homo sapiens]	1.47	0.01	1.76	0.00	1.23	0.02	2.18	0.00
14670392	tyrosine-protein kinase BAZ1B [Homo sapiens]	1.47	0.09	1.71	0.09	1.10	0.50	1.33	0.24
4506583	replication protein A 70 kDa DNA-binding subunit [Homo sapiens]	1.47	0.01	1.38	0.09	0.90	0.23	1.44	0.02
2.82E+08	breast cancer anti-estrogen resistance protein 1 [Homo sapiens]	1.47	0.04	1.96	0.02	1.62	0.07	1.15	0.23
1.58E+08	spermatogenesis-associated protein 5 [Homo sapiens]	1.47		1.42		1.18		0.89	
2.84E+08	ubiquitin-associated protein 1 isoform 3 [Homo sapiens]	1.47	0.16	1.31	0.23	1.07	0.64	1.13	0.43
4503685	farnesyl pyrophosphate synthase isoform a [Homo sapiens]	1.47	0.01	1.16	0.10	1.57	0.02	2.03	0.01
41327712	adapter molecule crk isoform a [Homo sapiens]	1.47	0.07	1.26	0.01	1.18	0.02	1.18	0.19
18699734	uridine-cytidine kinase 2 [Homo sapiens]	1.46		1.53		1.26		0.88	
4759156	U1 small nuclear ribonucleoprotein A [Homo sapiens]	1.46		1.39		1.37		0.99	
5729980	phosphomevalonate kinase [Homo sapiens]	1.46	0.12	1.52	0.05	0.98	0.75	1.55	0.03
50511943	exosome complex component RRP40 isoform 1 [Homo sapiens]	1.46		1.57		0.82		1.18	
4504511	dnaJ homolog subfamily A member 1 [Homo sapiens]	1.46	0.02	1.67	0.01	1.17	0.08	1.30	0.02
5174449	histone H1x [Homo sapiens]	1.46	0.18	2.32	0.16	1.16	0.41	2.86	0.09
23199983	GPI-anchor transamidase precursor [Homo sapiens]	1.46	0.56	1.14	0.65	1.03	0.80	1.09	0.54
47271443	serine/arginine-rich splicing factor 2 [Homo sapiens]	1.45	0.00	1.59	0.00	1.19	0.04	1.80	0.00
1.46E+08	C-terminal-binding protein 2 isoform 2 [Homo sapiens]	1.45	0.05	1.63	0.03	1.15	0.54	1.42	0.19
46276863	parathymosin [Homo sapiens]	1.45		1.52		1.59		1.96	
45446747	ATP-dependent RNA helicase DDX42 [Homo sapiens]	1.45	0.00	1.67	0.00	1.02	0.69	1.31	0.03
3.46E+08	kinesin-like protein KIF1A isoform 1 [Homo sapiens]	1.45		1.75		1.26		1.15	
6005882	serine protease 23 precursor [Homo sapiens]	1.45	0.61	0.60	0.34	4.23	0.05	0.83	0.32
4557367	bleomycin hydrolase [Homo sapiens]	1.45	0.06	1.49	0.05	1.02	0.89	1.82	0.06
1.02E+08	general transcription factor 3C polypeptide 1 [Homo sapiens]	1.45		1.67		0.95		1.52	
1.58E+08	multidrug resistance-associated protein 4 isoform 1 [Homo sapiens]	1.45		1.23		1.99		0.60	
31742501	sorting nexin-27 [Homo sapiens]	1.45	0.01	1.44	0.00	1.44	0.00	1.50	0.00
7524354	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1 [Homo sapiens]	1.45	0.00	1.83	0.00	1.63	0.00	2.05	0.00
1.09E+08	paraspeckle component 1 [Homo sapiens]	1.44	0.03	1.46	0.00	1.13	0.13	1.56	0.00
1.87E+08	cirhin [Homo sapiens]	1.44	0.05	1.35	0.09	1.00	0.99	1.22	0.50
2.61E+08	latent-transforming growth factor beta-binding protein 1 [Homo sapiens]	1.44		1.04		3.10		1.21	
1.5E+08	UBX domain-containing protein 7 [Homo sapiens]	1.44	0.03	1.53	0.01	1.16	0.14	1.73	0.01
3.15E+08	BCL2L2-PABPN1 protein [Homo sapiens]	1.44	0.03	1.54	0.03	1.19	0.10	1.90	0.01
42542403	methyltransferase-like protein 13 isoform 1 [Homo sapiens]	1.44	0.05	1.44	0.06	0.93	0.47	1.06	0.85
41872583	rho-associated protein kinase 2 [Homo sapiens]	1.44	0.13	1.12	0.40	1.02	0.86	1.08	0.72
4758138	probable ATP-dependent RNA helicase DDX5 [Homo sapiens]	1.44	0.00	1.74	0.00	1.24	0.01	1.03	0.65
7706425	N-alpha-acetyltransferase 38, NatC auxiliary subunit [Homo sapiens]	1.44	0.20	1.61	0.15	1.35	0.23	1.78	0.13
20357568	L-aminoadipate-semialdehyde dehydrogenase [Homo sapiens]	1.43	0.01	1.50	0.01	1.01	0.90	1.29	0.04
1.56E+08	fumarylacetoacetate hydrolase domain-containing protein 1 [Homo sapiens]	1.43	0.18	1.18	0.36	0.92	0.75	1.18	0.36
4507467	transforming growth factor-beta-induced protein 1 [Homo sapiens]	1.43	0.00	1.12	0.18	2.22	0.00	1.14	0.04
41327773	probable ATP-dependent RNA helicase DDX46 [Homo sapiens]	1.43	0.03	1.38	0.02	0.99	0.92	1.27	0.07

5803207	splicing factor U2AF 35 kDa subunit isoform a [Homo sapiens]	1.43	0.11	1.56	0.05	1.02	0.85	1.33	0.28
52632383	heterogeneous nuclear ribonucleoprotein L isoform 1 [Homo sapiens]	1.43	0.00	1.52	0.00	1.18	0.01	1.74	0.00
33598948	1-phosphatidylinositol 4,5-bisphosphate phosphatase [Homo sapiens]	1.43	0.30	1.71	0.30	1.07	0.65	1.45	0.18
56699409	RNA-binding motif protein, X chromosome isoform 1 [Homo sapiens]	1.43	0.00	1.65	0.00	1.23	0.00	1.89	0.00
9966881	nuclear pore complex protein Nup107 [Homo sapiens]	1.42		1.33		1.08		1.43	
1.23E+08	U2 snRNP-associated SURP motif-containing protein 1 [Homo sapiens]	1.42	0.01	1.50	0.00	1.12	0.14	1.32	0.13
30089954	DDB1- and CUL4-associated factor 8 [Homo sapiens]	1.42	0.06	1.19	0.25	1.03	0.74	1.61	0.06
6912734	transportin-3 isoform 1 [Homo sapiens]	1.42	0.08	1.46	0.07	1.07	0.61	1.10	0.46
1.9E+08	SWI/SNF-related matrix-associated actin-dependent nucleosome remodeling factor 1 [Homo sapiens]	1.42	0.21	1.60	0.16	1.00	0.98	1.33	0.25
17999539	pre-mRNA-splicing factor ATP-dependent RNA helicase DDX54 isoform 2 [Homo sapiens]	1.42	0.05	1.58	0.08	0.98	0.93	1.44	0.10
4507463	transforming growth factor beta-2 isoform 2 precursor [Homo sapiens]	1.42		1.30		3.00		0.74	
6677723	replication factor C subunit 5 isoform 1 [Homo sapiens]	1.42		1.35		1.13		0.93	
4.1E+08	PREDICTED: DNA-directed RNA polymerase III subunit 1 [Homo sapiens]	1.41		1.60		0.89		1.07	
4504341	histone acetyltransferase type B catalytic subunit 1 [Homo sapiens]	1.41		1.51		0.86		1.01	
7705477	tRNA methyltransferase 112 homolog [Homo sapiens]	1.41	0.09	1.27	0.02	0.95	0.58	0.83	0.15
4758052	cellular retinoic acid-binding protein 1 [Homo sapiens]	1.41	0.02	6.28	0.00	1.21	0.02	7.71	0.00
93141020	core histone macro-H2A.1 isoform 2 [Homo sapiens]	1.41	0.04	1.38	0.08	1.11	0.53	1.32	0.31
1.91E+08	ralBP1-associated Eps domain-containing protein 1 [Homo sapiens]	1.41	0.18	1.16	0.37	0.78	0.25	0.83	0.31
51094101	ATP-dependent RNA helicase DDX54 isoform 2 [Homo sapiens]	1.41	0.08	1.32	0.20	1.07	0.54	1.19	0.20
2.93E+08	histone deacetylase 2 [Homo sapiens]	1.41	0.03	1.58	0.02	1.33	0.01	1.36	0.12
3.49E+08	forkhead box protein P1 isoform 8 [Homo sapiens]	1.41	0.20	1.25	0.43	0.80	0.41	1.60	0.14
4506749	ribonucleoside-diphosphate reductase large subunit 1 [Homo sapiens]	1.41	0.18	1.87	0.10	0.99	0.93	0.98	0.95
3.33E+08	UPF0464 protein C15orf44 isoform 5 [Homo sapiens]	1.40		1.23		1.12		1.58	
1.56E+08	dimethyladenosine transferase 1, mitochondrial [Homo sapiens]	1.40		1.01		0.93		0.92	
4.03E+08	poly(U)-binding-splicing factor PUF60 isoform g [Homo sapiens]	1.40	0.00	1.47	0.02	1.08	0.58	1.18	0.38
7661952	squamous cell carcinoma antigen recognized by T cells 1 [Homo sapiens]	1.40	0.20	1.53	0.06	1.08	0.36	1.76	0.00
21361376	splicing factor 3A subunit 2 [Homo sapiens]	1.40	0.05	1.48	0.04	1.15	0.22	1.43	0.26
83627705	cytochrome b-c1 complex subunit 6, mitochondrial [Homo sapiens]	1.40	0.18	1.05	0.71	1.02	0.85	1.07	0.93
5031753	heterogeneous nuclear ribonucleoprotein H [Homo sapiens]	1.40	0.02	1.48	0.01	1.31	0.04	1.48	0.12
3.24E+08	disks large homolog 1 isoform 3 [Homo sapiens]	1.40		1.41		1.28		1.27	
31563537	CLIP-associating protein 1 isoform 1 [Homo sapiens]	1.40	0.34	1.42	0.06	1.20	0.17	1.14	0.28
1.17E+08	diphthine synthase isoform a [Homo sapiens]	1.40		1.36		0.84		1.16	
1.51E+08	prothymosin alpha isoform 1 [Homo sapiens]	1.40		1.49		0.94		2.31	
31543164	THO complex subunit 6 homolog isoform 1 [Homo sapiens]	1.39	0.08	1.38	0.07	1.13	0.31	1.61	0.03
39777586	putative ATP-dependent RNA helicase DHX57 [Homo sapiens]	1.39	0.33	1.51	0.23	0.95	0.70	1.03	0.90
11034845	regulation of nuclear pre-mRNA domain-containing protein 1 [Homo sapiens]	1.39	0.83	1.69	0.74	0.98	0.99	1.92	0.66
1.34E+08	mRNA-capping enzyme [Homo sapiens]	1.39		1.25		0.84		0.79	
33356174	pinin [Homo sapiens]	1.39	0.00	1.60	0.00	1.16	0.03	1.52	0.00
1.93E+08	serrate RNA effector molecule homolog isoform 1 [Homo sapiens]	1.39	0.02	1.47	0.01	1.14	0.13	1.62	0.01
6005757	FACT complex subunit SPT16 [Homo sapiens]	1.39	0.00	1.63	0.00	1.01	0.88	1.41	0.00
19923830	pre-B-cell leukemia transcription factor-interacting protein 1 [Homo sapiens]	1.39	0.00	1.66	0.00	2.03	0.00	1.17	0.18
16933537	glomulin [Homo sapiens]	1.39		1.54		1.48		1.37	
38679950	4-aminobutyrate aminotransferase, mitochondrial [Homo sapiens]	1.39	0.24	2.26	0.10	0.92	0.58	1.00	0.97
1.55E+08	beta-1,3-glucosyltransferase precursor [Homo sapiens]	1.38		1.34		1.27		1.99	
1.26E+08	THO complex subunit 2 [Homo sapiens]	1.38	0.06	1.40	0.05	1.02	0.80	1.75	0.02
5729850	guanine nucleotide-binding protein G(k) subunit 1 [Homo sapiens]	1.38	0.24	1.34	0.21	1.49	0.16	1.84	0.23
5803076	chromobox protein homolog 1 [Homo sapiens]	1.38	0.57	1.95	0.13	1.27	0.23	2.04	0.17
6678271	TAR DNA-binding protein 43 [Homo sapiens]	1.38	0.08	1.60	0.01	1.34	0.03	1.84	0.01
41327781	NADH dehydrogenase [ubiquinone] 1 alpha subunit 1 [Homo sapiens]	1.38		1.43		1.14		1.52	
54112121	splicing factor 3B subunit 3 [Homo sapiens]	1.38	0.00	1.38	0.00	1.07	0.16	1.33	0.01
2.15E+08	serine/threonine-protein phosphatase 2B catalytic subunit [Homo sapiens]	1.38	0.54	1.35	0.62	1.04	0.76	1.71	0.28
3.47E+08	DNA-(apurinic or apyrimidinic site) lyase [Homo sapiens]	1.38	0.00	1.38	0.00	1.03	0.62	1.66	0.00
54112385	four and a half LIM domains protein 3 isoform 1 [Homo sapiens]	1.38	0.01	1.33	0.01	1.48	0.00	1.22	0.04
4504811	junction plakoglobin [Homo sapiens]	1.38	0.00	1.14	0.05	2.63	0.00	1.23	0.14
4505641	proliferating cell nuclear antigen [Homo sapiens]	1.38	0.00	1.56	0.00	0.98	0.78	1.16	0.10
4506363	ras-related protein Rab-13 isoform 1 [Homo sapiens]	1.37	0.20	1.36	0.18	1.85	0.07	1.74	0.13

45827706	protein quaking isoform HQK-5 [Homo sapiens]	1.37	0.12	1.40	0.13	1.04	0.60	1.47	0.24
61676106	cytoplasmic tRNA 2-thiolation protein 2 isoform	1.37		1.16		0.98		0.94	
40538799	ubiquilin-4 [Homo sapiens]	1.37		1.64		1.30		1.69	
98986457	host cell factor 1 [Homo sapiens]	1.37	0.02	1.52	0.01	1.06	0.44	1.68	0.01
1.93E+08	superkiller viralicidic activity 2-like 2 [Homo sapiens]	1.37	0.02	1.46	0.01	1.00	0.96	1.27	0.10
24432106	DBIRD complex subunit KIAA1967 [Homo sapiens]	1.37	0.00	1.53	0.00	1.12	0.10	1.71	0.00
41872389	FAD synthase isoform 1 [Homo sapiens]	1.37	0.07	1.21	0.25	1.13	0.30	0.91	0.93
29171734	protein argonaute-2 isoform 1 [Homo sapiens]	1.37	0.26	1.13	0.47	0.89	0.85	0.79	0.29
1.56E+08	ubiquitin-fold modifier-conjugating enzyme 1 [Homo sapiens]	1.37	0.21	1.38	0.21	1.49	0.31	1.36	0.22
4507125	small nuclear ribonucleoprotein-associated protein 1	1.37	0.07	1.36	0.07	1.07	0.52	1.51	0.04
3.5E+08	U4/U6 small nuclear ribonucleoprotein Prp4 isoform 1	1.37	0.08	1.41	0.08	1.08	0.40	1.48	0.02
7661958	bcl-2-associated transcription factor 1 isoform 1	1.37	0.01	1.52	0.00	0.94	0.36	1.61	0.00
55956921	heterogeneous nuclear ribonucleoprotein A/B isoform 1	1.37	0.01	1.53	0.00	1.20	0.13	1.31	0.05
7662162	armadillo repeat-containing X-linked protein 2 [Homo sapiens]	1.37		1.07		0.52		1.01	
20127499	serine/arginine-rich splicing factor 6 [Homo sapiens]	1.37	0.01	1.50	0.00	1.08	0.33	1.49	0.01
20149629	probable ATP-dependent RNA helicase DDX47	1.36	0.12	1.33	0.12	0.70	0.01	0.90	0.56
1.45E+08	general transcription factor IIE subunit 1 [Homo sapiens]	1.36		1.27		1.52		1.32	
5031741	dnaJ homolog subfamily A member 2 [Homo sapiens]	1.36	0.15	1.29	0.09	1.20	0.16	1.24	0.12
4503895	galactokinase [Homo sapiens]	1.36	0.04	1.38	0.02	1.01	0.87	1.50	0.02
68509926	putative pre-mRNA-splicing factor ATP-dependent	1.36	0.00	1.42	0.00	1.04	0.50	1.33	0.01
7019333	nuclear receptor-binding protein [Homo sapiens]	1.36	0.07	1.35	0.03	1.12	0.30	1.56	0.02
1.87E+08	conserved oligomeric Golgi complex subunit 8 [Homo sapiens]	1.36		1.06		0.76		0.84	
1.57E+08	heterogeneous nuclear ribonucleoprotein M isoform 1	1.36	0.00	1.50	0.00	1.17	0.00	1.62	0.00
70610136	poly(ADP-ribose) glycohydrolase [Homo sapiens]	1.36		1.35		1.13		0.99	
72534660	serine/arginine-rich splicing factor 7 isoform 1 [Homo sapiens]	1.36	0.00	1.48	0.00	1.12	0.11	1.48	0.00
3.21E+08	scaffold attachment factor B1 isoform 2 [Homo sapiens]	1.36	0.00	1.46	0.00	1.33	0.00	1.61	0.00
4885153	crk-like protein [Homo sapiens]	1.36	0.14	1.59	0.02	1.22	0.08	1.52	0.01
4557471	AP-1 complex subunit sigma-1A [Homo sapiens]	1.36		1.04		1.01		1.01	
7657581	calcium-binding mitochondrial carrier protein Arp1	1.36	0.00	1.20	0.02	1.42	0.01	1.26	0.08
4826908	phosphatidylinositol 3-kinase regulatory subunit 1	1.36		1.37		0.93		1.28	
7706501	WW domain-binding protein 11 [Homo sapiens]	1.36		1.60		1.06		1.60	
75709194	BRISC and BRCA1-A complex member 1 [Homo sapiens]	1.36		1.19		1.06		1.40	
4505939	DNA-directed RNA polymerase II subunit RPB1	1.36	0.06	1.79	0.03	1.06	0.54	1.49	0.04
31542723	spermatogenesis-associated protein 20 isoform 1	1.36		1.08		1.06		2.03	
1.02E+08	sphingomyelin phosphodiesterase 4 isoform 2 [Homo sapiens]	1.36	0.22	1.47	0.22	1.44	0.35	1.48	0.18
7657315	U6 snRNA-associated Sm-like protein LSm3 [Homo sapiens]	1.35	0.33	1.46	0.17	1.15	0.40	1.63	0.18
38569394	elongator complex protein 1 [Homo sapiens]	1.35	0.20	1.46	0.18	0.89	0.44	1.10	0.60
93141047	collagen alpha-1(XII) chain long isoform precursor	1.35	0.00	4.34	0.00	1.41	0.00	2.81	0.00
5902076	serine/arginine-rich splicing factor 1 isoform 1 [Homo sapiens]	1.35	0.00	1.46	0.00	1.20	0.01	1.65	0.00
1.19E+08	heterogeneous nuclear ribonucleoprotein U-like	1.35	0.00	1.39	0.00	1.16	0.00	1.81	0.00
62234461	notchless protein homolog 1 isoform a [Homo sapiens]	1.35		1.35		0.81		1.20	
1.17E+08	putative RNA-binding protein Luc7-like 2 isoform 1	1.35	0.11	1.35	0.05	1.14	0.15	1.41	0.12
23308607	minor histocompatibility antigen H13 isoform 1 [Homo sapiens]	1.35	0.18	1.10	0.42	1.04	0.65	0.94	0.65
5032161	transcription elongation factor B polypeptide 1 isoform 1	1.35	0.26	1.39	0.34	0.98	0.81	0.76	0.20
21389361	trans-L-3-hydroxyproline dehydratase [Homo sapiens]	1.35		0.80		1.49		1.67	
41281447	intraflagellar transport protein 140 homolog [Homo sapiens]	1.35		1.81		0.78		1.32	
56550043	sarcolemmal membrane-associated protein [Homo sapiens]	1.35		1.99		1.03		0.89	
52485853	integrin alpha-11 precursor [Homo sapiens]	1.35	0.01	1.29	0.00	1.37	0.00	2.30	0.00
8923448	39S ribosomal protein L16, mitochondrial [Homo sapiens]	1.35	0.56	1.18	0.66	1.15	0.48	1.32	0.24
55749531	splicing factor 3B subunit 2 [Homo sapiens]	1.35	0.00	1.42	0.00	1.14	0.01	1.48	0.00
13236510	ubiquitin-like protein 5 [Homo sapiens]	1.34		1.52		0.96		1.08	
1.01E+08	ATP-dependent RNA helicase A [Homo sapiens]	1.34	0.00	1.49	0.00	1.07	0.14	1.28	0.00
1.57E+08	phospholipase D2 isoform PLD2A [Homo sapiens]	1.34		1.03		0.86		1.56	
7661872	probable leucine--tRNA ligase, mitochondrial [Homo sapiens]	1.34	0.09	1.22	0.17	1.10	0.41	1.48	0.14
14589953	DNA-directed RNA polymerases I, II, and III subunit alpha	1.34	0.21	1.41	0.18	1.24	0.28	1.30	0.44
4757852	mitochondrial chaperone BCS1 [Homo sapiens]	1.34		4.20		1.88		2.40	

28559085	CTP synthase 2 [Homo sapiens]	1.34		1.27		1.07		1.22	
14043072	heterogeneous nuclear ribonucleoproteins A2/B	1.34	0.00	1.55	0.00	1.28	0.01	1.98	0.00
2.3E+08	spermatogenesis-associated protein 5-like prote	1.34		1.44		1.08		1.24	
1.17E+08	3-hydroxyacyl-CoA dehydratase 3 [Homo sapien	1.34	0.06	1.32	0.04	1.23	0.04	1.35	0.06
19923592	oxysterol-binding protein-related protein 11 [Hor	1.34	0.36	1.57	0.14	0.84	0.33	0.85	0.35
21493022	A-kinase anchor protein 12 isoform 1 [Homo sa	1.34	0.00	1.62	0.00	1.18	0.00	1.50	0.00
3.36E+08	anaphase-promoting complex subunit 16 isoform	1.34		1.70		0.94		1.34	
57863277	vacuolar protein sorting-associated protein 8 ho	1.34	0.07	1.28	0.09	1.30	0.35	1.47	0.13
41350333	tubulin-specific chaperone D [Homo sapiens]	1.34	0.01	1.32	0.01	0.81	0.15	0.97	0.88
8393638	junctional adhesion molecule A precursor [Homo	1.34	0.21	0.91	0.53	3.84	0.05	0.44	0.35
12232385	COP9 signalosome complex subunit 7b [Homo s	1.34	0.21	1.37	0.20	1.22	0.31	1.31	0.23
27597090	transcription elongation factor SPT6 [Homo sapi	1.34	0.05	1.41	0.12	1.00	0.97	1.14	0.47
1.09E+08	coatamer subunit gamma-2 [Homo sapiens]	1.34	0.15	1.41	0.09	0.93	0.37	1.07	0.56
52856421	chromatin complexes subunit BAP18 isoform 2	1.34	0.28	1.47	0.16	1.00	0.97	1.26	0.26
4504349	hemoglobin subunit beta [Homo sapiens]	1.34	0.21	1.18	0.45	1.03	0.83	0.51	0.25
18105007	CAD protein [Homo sapiens]	1.33	0.00	1.20	0.00	1.04	0.41	1.17	0.01
13027604	28S ribosomal protein S34, mitochondrial [Homo	1.33	0.03	1.22	0.08	1.01	0.89	1.85	0.01
1.91E+08	DNA repair protein XRCC1 [Homo sapiens]	1.33	0.23	1.46	0.18	1.06	0.67	1.63	0.16
13129148	apolipoprotein O precursor [Homo sapiens]	1.33	0.21	1.44	0.18	1.08	0.58	1.48	0.18
4757926	RNA-binding protein 39 isoform b [Homo sapien	1.33	0.05	1.51	0.03	1.03	0.67	1.41	0.10
1.78E+08	condensin complex subunit 1 [Homo sapiens]	1.33	0.11	1.55	0.09	0.75	0.15	0.78	0.09
1.95E+08	negative elongation factor A [Homo sapiens]	1.33	0.07	1.54	0.04	0.98	0.89	1.49	0.08
23943862	N-acetyltransferase 14 [Homo sapiens]	1.33	0.21	1.18	0.41	1.18	0.35	1.21	0.53
27597059	dnaJ homolog subfamily C member 9 [Homo sa	1.33		1.54		0.99		1.30	
4506027	serine/threonine-protein phosphatase 4 catalytic	1.33		1.35		1.47		1.23	
4504445	heterogeneous nuclear ribonucleoprotein A1 isc	1.33	0.00	1.44	0.00	1.20	0.02	1.63	0.00
50592996	tubulin beta-3 chain isoform 1 [Homo sapiens]	1.33	0.04	1.36	0.03	1.84	0.03	0.62	0.23
5901926	cleavage and polyadenylation specificity factor ε	1.33	0.00	1.49	0.00	1.07	0.30	1.70	0.00
1.68E+08	3-ketoacyl-CoA thiolase, mitochondrial [Homo s	1.33	0.00	1.18	0.02	1.11	0.11	1.69	0.00
5803167	splicing factor 3A subunit 3 [Homo sapiens]	1.33	0.05	1.36	0.04	1.13	0.25	1.57	0.01
31543831	tubulin gamma-1 chain [Homo sapiens]	1.33	0.43	1.44	0.40	0.96	0.85	1.29	0.32
19923951	protein C10 [Homo sapiens]	1.33	0.23	1.24	0.56	1.01	0.94	0.94	0.83
33386693	polyadenylate-binding protein-interacting proteir	1.33		1.21		0.96		1.09	
13129110	methylosome protein 50 [Homo sapiens]	1.33	0.21	1.55	0.14	0.83	0.31	1.13	0.44
8922665	pantothenate kinase 4 [Homo sapiens]	1.33	0.18	1.29	0.27	1.19	0.24	1.46	0.05
40548403	mRNA-decapping enzyme 1B [Homo sapiens]	1.32		1.23		1.11		0.82	
4501993	alkyldihydroxyacetonephosphate synthase, perc	1.32	0.48	1.15	0.45	1.15	0.40	0.85	0.49
1.62E+08	cleavage and polyadenylation specificity factor ε	1.32	0.00	1.40	0.00	1.26	0.02	1.87	0.00
1.71E+08	nucleolar protein 10 isoform 1 [Homo sapiens]	1.32	0.50	1.16	0.38	0.93	0.62	1.22	0.46
15811782	G patch domain and KOW motifs-containing prc	1.32	0.42	1.28	0.46	0.93	0.58	0.99	0.98
1.94E+08	sulfatase-modifying factor 2 isoform e precursor	1.32	0.12	1.23	0.13	1.20	0.16	1.55	0.08
4506439	histone-binding protein RBBP7 isoform 2 [Homc	1.32	0.24	1.52	0.23	0.80	0.29	1.17	0.37
4505289	diphosphomevalonate decarboxylase [Homo sa	1.32	0.01	1.02	0.74	1.58	0.00	1.75	0.00
23065552	glutathione S-transferase Mu 3 [Homo sapiens]	1.32	0.09	1.40	0.06	1.56	0.04	1.98	0.02
23397666	paired amphipathic helix protein Sin3a [Homo s	1.32	0.08	1.63	0.16	1.14	0.26	1.52	0.04
22202633	prefoldin subunit 5 isoform alpha [Homo sapiens	1.32	0.42	0.94	0.44	0.98	0.77	0.85	0.14
7705421	3-keto-steroid reductase [Homo sapiens]	1.32		1.29		1.35		2.08	
2.96E+08	propionyl-CoA carboxylase beta chain, mitochor	1.32	0.16	1.28	0.10	1.16	0.23	1.78	0.02
32481209	MAP kinase-activated protein kinase 2 isoform 2	1.32	0.22	1.60	0.19	1.28	0.24	1.14	0.47
55741709	RNA-binding protein 25 [Homo sapiens]	1.32	0.00	1.51	0.00	1.25	0.01	1.61	0.00
1.15E+08	U5 small nuclear ribonucleoprotein 40 kDa prote	1.32	0.28	1.37	0.13	1.10	0.31	1.43	0.02
2.56E+08	putative pre-mRNA-splicing factor ATP-depende	1.32	0.24	1.38	0.20	0.97	0.84	1.01	0.97
1.94E+08	ribosomal RNA small subunit methyltransferase	1.31	0.38	1.25	0.42	0.67	0.32	0.80	0.29
4759160	small nuclear ribonucleoprotein Sm D3 [Homo s	1.31	0.05	1.42	0.02	1.09	0.35	1.60	0.01
1.89E+08	acid ceramidase isoform a preproprotein [Homo	1.31	0.01	1.30	0.00	0.96	0.46	1.47	0.00
13129006	ATP-dependent RNA helicase DDX50 [Homo sa	1.31	0.22	1.30	0.23	0.88	0.41	0.94	0.66

4758248	ephrin-B1 precursor [Homo sapiens]	1.31	1.32	1.12	1.65				
4885637	target of Myb protein 1 isoform 1 [Homo sapiens]	1.31	0.99	0.88	0.75				
2.21E+08	S1 RNA-binding domain-containing protein 1 [Homo sapiens]	1.31	1.33	0.58	1.17				
7657210	arfaptin-1 isoform 2 [Homo sapiens]	1.31	0.81	0.89	0.78				
34932414	non-POU domain-containing octamer-binding protein 1 [Homo sapiens]	1.31	0.00	1.69	0.00	1.29	0.00	1.76	0.00
38201692	ras GTPase-activating protein 3 [Homo sapiens]	1.31	1.18	0.98	0.61				
1.5E+08	HEAT repeat-containing protein 7A isoform 1 [Homo sapiens]	1.31	1.39	1.10	0.78				
4506925	SH3 domain-binding glutamic acid-rich-like protein 1 [Homo sapiens]	1.31	0.47	1.16	0.52	1.22	0.04	1.20	0.11
2.56E+08	probable ATP-dependent RNA helicase DDX20 [Homo sapiens]	1.31	1.19	0.85	1.03				
4507123	U2 small nuclear ribonucleoprotein B'' [Homo sapiens]	1.31	0.09	1.41	0.02	1.25	0.03	1.34	0.08
1.49E+08	SWI/SNF-related matrix-associated actin-dependent nucleosome assembly factor 1 [Homo sapiens]	1.31	1.54	1.32	1.84				
5453958	serine/threonine-protein phosphatase 5 isoform 1 [Homo sapiens]	1.31	0.09	1.64	0.03	1.28	0.11	1.47	0.05
3.05E+08	BRCA1-associated ATM activator 1 [Homo sapiens]	1.31	0.29	1.65	0.49	1.28	0.69	1.03	0.93
56550081	mitotic checkpoint protein BUB3 isoform b [Homo sapiens]	1.31	0.00	1.49	0.00	1.11	0.23	1.33	0.05
2.16E+08	enhancer of mRNA-decapping protein 3 [Homo sapiens]	1.31	1.47	1.03	1.19				
1.23E+08	ribonucleoprotein PTB-binding 1 [Homo sapiens]	1.31	0.38	1.42	0.38	0.87	0.43	1.38	0.45
6912616	histone H2A.V isoform 1 [Homo sapiens]	1.31	0.23	1.64	0.13	0.97	0.81	1.62	0.13
27734984	huntingtin-interacting protein K isoform 1 [Homo sapiens]	1.31	0.89	0.98	0.79				
4758796	developmentally-regulated GTP-binding protein 1 [Homo sapiens]	1.31	0.01	1.22	0.04	1.12	0.15	1.16	0.08
2.25E+08	probable ATP-dependent RNA helicase DDX27 [Homo sapiens]	1.31	0.38	0.95	0.76	0.87	0.53	1.11	0.67
7661786	NADH dehydrogenase [ubiquinone] 1 alpha subunit [Homo sapiens]	1.31	1.05	0.86	1.29				
4557657	peptidyl-tRNA hydrolase ICT1, mitochondrial precursor [Homo sapiens]	1.31	1.53	1.11	1.35				
1.94E+08	pre-rRNA processing protein FTSJ3 [Homo sapiens]	1.30	0.15	1.30	0.05	1.10	0.28	1.29	0.01
71051598	vacuolar protein-sorting-associated protein 36 [Homo sapiens]	1.30	0.43	1.31	0.24	1.22	0.63	1.64	0.27
21361468	nucleolar protein 11 [Homo sapiens]	1.30	0.24	1.48	0.16	1.06	0.68	1.03	0.88
2.62E+08	probable ATP-dependent RNA helicase DHX40 [Homo sapiens]	1.30	1.67	0.94	1.24				
73747915	antigen peptide transporter 2 isoform 1 [Homo sapiens]	1.30	1.02	0.94	0.97				
4.43E+08	inositol hexakisphosphate and diphosphoinositol 3-kinase [Homo sapiens]	1.30	1.32	0.96	1.82				
21361837	PITH domain-containing protein 1 [Homo sapiens]	1.30	0.23	1.46	0.17	1.15	0.54	1.43	0.32
2.81E+08	hephaestin isoform a [Homo sapiens]	1.30	1.61	0.70	1.33				
3.33E+08	heterogeneous nuclear ribonucleoprotein D-like 1 [Homo sapiens]	1.30	0.12	1.66	0.02	1.13	0.22	1.60	0.03
24797148	selenide, water dikinase 1 isoform 1 [Homo sapiens]	1.30	0.24	1.45	0.10	1.38	0.11	1.54	0.13
8922735	elongator complex protein 2 isoform 2 [Homo sapiens]	1.30	0.16	1.26	0.22	0.92	0.46	1.15	0.61
17978479	vacuolar protein sorting-associated protein 16 homolog [Homo sapiens]	1.30	0.37	1.11	0.48	0.87	0.40	0.85	0.34
10863895	thymosin beta-10 [Homo sapiens]	1.30	0.28	1.12	0.49	0.83	0.66	1.14	0.55
3.08E+08	oxysterol-binding protein-related protein 9 isoform 1 [Homo sapiens]	1.30	0.40	1.24	0.33	0.79	0.28	1.07	0.83
3.23E+08	lysosomal thioesterase PPT2 isoform a precursor [Homo sapiens]	1.30	1.11	1.10	1.26				
21536476	diphthamide biosynthesis protein 2 isoform a [Homo sapiens]	1.30	1.15	0.98	0.99				
38201714	ELAV-like protein 1 [Homo sapiens]	1.30	0.00	1.33	0.00	1.18	0.02	1.40	0.00
3.85E+08	putative ribosomal RNA methyltransferase NOP56 [Homo sapiens]	1.30	0.00	1.18	0.03	1.04	0.59	1.05	0.75
4557511	death-associated protein kinase 3 [Homo sapiens]	1.30	0.04	0.97	0.74	3.06	0.02	0.87	0.40
4557495	cleavage stimulation factor subunit 3 isoform 1 [Homo sapiens]	1.30	0.09	1.27	0.20	1.12	0.32	1.38	0.14
45238858	WD repeat-containing protein 44 isoform 1 [Homo sapiens]	1.30	0.92	1.02	0.61				
57634534	nuclear pore complex protein Nup205 [Homo sapiens]	1.30	0.04	1.30	0.09	1.03	0.72	1.30	0.30
24797097	pyrroline-5-carboxylate reductase 1, mitochondrial isoform 1 [Homo sapiens]	1.30	0.04	1.11	0.29	0.98	0.89	1.37	0.01
1.11E+08	xylosyltransferase 2 [Homo sapiens]	1.30	0.98	1.15	1.28				
23510283	elongator complex protein 3 [Homo sapiens]	1.30	0.13	1.36	0.07	0.83	0.28	1.04	0.81
1.1E+08	pumilio domain-containing protein KIAA0020 [Homo sapiens]	1.29	0.33	1.06	0.56	0.75	0.09	0.66	0.10
26051237	nucleoporin p54 [Homo sapiens]	1.29	0.09	1.30	0.08	1.15	0.23	1.28	0.09
50263042	rho-related GTP-binding protein RhoQ precursor [Homo sapiens]	1.29	0.57	0.82	0.79				
42558250	caprin-1 isoform 1 [Homo sapiens]	1.29	0.02	1.34	0.01	1.15	0.10	1.04	0.62
4826643	annexin A3 [Homo sapiens]	1.29	0.00	0.85	0.13	2.29	0.00	1.77	0.00
32967311	ephrin type-A receptor 2 precursor [Homo sapiens]	1.29	0.01	0.96	0.65	1.71	0.01	0.98	0.84
41281907	stAR-related lipid transfer protein 13 isoform 2 [Homo sapiens]	1.29	1.16	0.82	0.83				
2.26E+08	major facilitator superfamily domain-containing protein 1 [Homo sapiens]	1.29	1.07	1.70	0.94				
48762926	periodic tryptophan protein 2 homolog [Homo sapiens]	1.29	0.12	1.17	0.21	0.79	0.15	0.90	0.39

2.24E+08	secernin-1 isoform a [Homo sapiens]	1.29	0.00	1.26	0.01	1.39	0.00	1.65	0.00
1.45E+08	protein SMG9 [Homo sapiens]	1.29		1.13		0.76		0.46	
50593002	U2 small nuclear ribonucleoprotein A' [Homo sa	1.29	0.00	1.43	0.00	0.99	0.81	1.41	0.01
1.56E+08	heterogeneous nuclear ribonucleoprotein R isof	1.29	0.00	1.52	0.00	1.21	0.01	1.54	0.00
66348045	nuclear-interacting partner of ALK [Homo sapier	1.29		1.14		0.89		1.08	
1.68E+08	probable ATP-dependent RNA helicase DHX36	1.29	0.37	1.25	0.31	0.99	0.94	1.04	0.84
13376259	nuclear pore complex protein Nup85 [Homo sap	1.29	0.24	1.23	0.29	1.05	0.73	1.33	0.22
10863945	X-ray repair cross-complementing protein 5 [Ho	1.29	0.00	1.34	0.00	1.05	0.13	1.52	0.00
1.34E+08	rho GTPase-activating protein 29 [Homo sapien	1.29		0.83		0.51		0.91	
56676371	cleavage and polyadenylation specificity factor ε	1.29	0.02	1.42	0.01	1.26	0.06	1.47	0.01
4505895	pleiotropic regulator 1 isoform 1 [Homo sapiens]	1.29	0.24	1.14	0.50	0.91	0.51	1.04	0.83
23957690	conserved oligomeric Golgi complex subunit 7 [I	1.29	0.12	1.20	0.25	0.95	0.62	1.07	0.57
21327667	ribosome biogenesis protein BOP1 [Homo sapie	1.29		1.09		0.75		0.83	
22748641	charged multivesicular body protein 7 [Homo sa	1.29	0.48	1.06	0.74	0.92	0.59	0.97	0.80
55769548	PHD finger protein 14 [Homo sapiens]	1.29		1.41		1.04		1.62	
41350320	melanoma-associated antigen D2 [Homo sapier	1.28	0.01	1.56	0.00	1.19	0.01	1.21	0.01
20544151	chromobox protein homolog 3 [Homo sapiens]	1.28	0.03	1.42	0.01	1.08	0.31	1.48	0.00
2.22E+08	importin subunit alpha-1 [Homo sapiens]	1.28		1.40		1.18		1.08	
2.21E+08	U4/U6 small nuclear ribonucleoprotein Prp31 [H	1.28	0.23	1.23	0.36	1.15	0.18	1.38	0.05
2.21E+08	cell division cycle protein 123 homolog [Homo s	1.28		1.56		1.08		0.72	
4826673	cadherin-6 preproprotein [Homo sapiens]	1.28		0.87		0.19		0.21	
5729875	membrane-associated progesterone receptor α	1.28	0.15	1.66	0.01	1.12	0.14	1.43	0.03
40018633	isopentenyl-diphosphate Delta-isomerase 1 [Ho	1.28	0.26	0.97	0.90	1.14	0.45	1.16	0.80
5454084	serine palmitoyltransferase 1 isoform a [Homo s	1.28		1.48		1.20		0.99	
94721261	2',3'-cyclic-nucleotide 3'-phosphodiesterase [Ho	1.28	0.05	1.25	0.06	1.25	0.06	1.46	0.02
22748615	UPF0444 transmembrane protein C12orf23 [Ho	1.28	0.08	0.98	0.73	1.07	0.44	1.07	0.47
5453954	serine/threonine-protein phosphatase 2A 56 kDa	1.28	0.07	1.39	0.02	1.04	0.78	1.14	0.32
1.26E+08	elastin isoform b precursor [Homo sapiens]	1.28		2.59		0.99		1.04	
4507373	tubulin-specific chaperone C [Homo sapiens]	1.28	0.29	1.37	0.24	1.18	0.40	1.41	0.22
41327749	anaphase-promoting complex subunit 4 [Homo :	1.28		1.16		0.95		1.47	
60279268	splicing factor U2AF 65 kDa subunit isoform b [I	1.28	0.02	1.51	0.00	1.21	0.03	1.63	0.00
30023820	protein FAM134C [Homo sapiens]	1.28	0.25	1.18	0.36	1.53	0.24	1.48	0.28
4557010	lysosomal acid phosphatase isoform 1 precursor	1.28	0.01	1.27	0.01	0.76	0.01	1.16	0.22
66529396	serum paraoxonase/arylesterase 2 isoform 2 [H	1.28		1.57		1.35		0.96	
18490987	mRNA turnover protein 4 homolog [Homo sapie	1.28	0.45	1.36	0.21	0.84	0.55	0.98	0.89
1.1E+08	WD40 repeat-containing protein SMU1 [Homo s	1.28	0.18	1.31	0.10	1.05	0.71	1.12	0.34
7657381	pre-mRNA-processing factor 19 [Homo sapiens]	1.28	0.01	1.37	0.00	0.99	0.83	1.39	0.00
1.19E+08	calcium homeostasis endoplasmic reticulum prc	1.27	0.25	1.37	0.33	0.93	0.65	1.12	0.82
73808090	zinc finger protein 207 isoform b [Homo sapiens	1.27	0.21	1.25	0.14	1.01	0.90	1.51	0.10
4506567	mRNA cap guanine-N7 methyltransferase [Hom	1.27		1.29		1.03		0.77	
56090582	immunity-related GTPase family Q protein [Hom	1.27	0.10	1.62	0.04	1.18	0.19	1.02	0.92
4503249	protein DEK isoform 1 [Homo sapiens]	1.27	0.10	1.42	0.05	0.99	0.94	1.41	0.10
1.92E+08	ubiquitin-conjugating enzyme E2 O [Homo sapie	1.27	0.10	1.39	0.06	0.86	0.21	0.86	0.20
10863903	E3 ubiquitin-protein ligase TRIP12 [Homo sapie	1.27	0.06	1.35	0.02	1.16	0.18	1.15	0.20
2.83E+08	AN1-type zinc finger protein 1 isoform c [Homo :	1.27		1.32		1.09		1.67	
19718766	ubiquitin-protein ligase E3A isoform 2 [Homo sa	1.27	0.11	1.31	0.22	1.01	0.91	1.03	0.85
24308440	multivesicular body subunit 12A [Homo sapiens]	1.27		1.33		0.90		1.03	
27886582	39S ribosomal protein L39, mitochondrial isoform	1.27	0.12	1.99	0.18	1.59	0.22	1.82	0.11
2.21E+08	cysteine and histidine-rich domain-containing pr	1.27	0.20	1.31	0.16	1.03	0.74	1.01	0.96
10863889	U4/U6.U5 tri-snRNP-associated protein 1 [Homo	1.27	0.02	1.29	0.01	1.34	0.00	1.50	0.00
7705437	60S ribosome subunit biogenesis protein NIP7 f	1.27		1.11		1.10		0.81	
1.11E+08	alpha-L-iduronidase precursor [Homo sapiens]	1.27	0.27	1.12	0.49	0.97	0.85	1.81	0.33
3.85E+08	116 kDa U5 small nuclear ribonucleoprotein cor	1.27	0.02	1.44	0.00	1.10	0.12	1.34	0.00
40217805	polynucleotide 5'-hydroxyl-kinase NOL9 [Homo :	1.27	0.44	1.31	0.23	0.91	0.53	0.96	0.86
71361682	nuclear mitotic apparatus protein 1 [Homo sapie	1.27	0.02	1.62	0.00	1.05	0.54	1.98	0.00
4504165	gelsolin isoform a precursor [Homo sapiens]	1.27	0.00	1.17	0.02	1.45	0.00	1.46	0.00



34101286	zinc finger RNA-binding protein [Homo sapiens]	1.27	1.39	1.06	1.08				
1.7E+08	methionine synthase [Homo sapiens]	1.27	0.85	0.68	1.38				
22907052	actin-related protein 2/3 complex subunit 1A iso	1.27	0.00	1.49	0.00	1.73	0.00	1.15	0.10
54859722	nuclear pore complex protein Nup160 [Homo sa	1.27	0.00	1.32	0.03	1.06	0.36	1.25	0.01
66277202	podocalyxin isoform 1 precursor [Homo sapiens	1.27	0.10	1.50	0.01	1.62	0.01	0.88	0.37
4502349	beta-1,4-galactosyltransferase 3 [Homo sapiens	1.27		1.95		0.99		1.08	
1.54E+08	exportin-7 [Homo sapiens]	1.27	0.01	1.32	0.00	1.17	0.15	1.35	0.04
19718741	oxysterol-binding protein-related protein 1 isofor	1.27		1.49		0.99		1.50	
2.22E+08	phosphatidylinositol 3,4,5-trisphosphate 5-phos	1.27	0.31	1.23	0.13	1.39	0.10	1.22	0.14
50659095	nucleolar RNA helicase 2 isoform 1 [Homo sapi	1.27	0.00	1.51	0.00	1.01	0.84	0.76	0.28
13376429	protein FAM192A [Homo sapiens]	1.27		1.57		0.95		1.13	
25470890	DAZ-associated protein 1 isoform a [Homo sapi	1.27	0.34	1.13	0.49	1.12	0.49	1.27	0.26
51702526	neural Wiskott-Aldrich syndrome protein [Homo	1.27		1.13		1.28		1.61	
4503841	X-ray repair cross-complementing protein 6 [Ho	1.27	0.00	1.32	0.00	1.02	0.56	1.42	0.00
11067747	cell division cycle 5-like protein [Homo sapiens]	1.26	0.05	1.47	0.01	1.10	0.33	1.40	0.03
1.18E+08	lactoylglutathione lyase [Homo sapiens]	1.26	0.04	1.29	0.03	1.12	0.14	1.36	0.01
52426745	E3 ubiquitin-protein ligase CBL [Homo sapiens]	1.26	0.12	1.26	0.31	1.43	0.02	0.85	0.14
41327771	probable ATP-dependent RNA helicase DDX23	1.26	0.00	1.34	0.00	1.13	0.05	1.50	0.00
40789249	aspartate--tRNA ligase, mitochondrial [Homo sa	1.26	0.14	1.15	0.24	1.06	0.65	1.25	0.12
3.2E+08	CORO7-PAM16 protein [Homo sapiens]	1.26	0.13	1.18	0.18	1.06	0.53	1.15	0.43
7661728	regulator complex protein LAMTOR2 isoform 1 [	1.26	0.32	1.14	0.39	0.72	0.11	1.02	0.94
2.6E+08	apoptotic chromatin condensation inducer in the	1.26	0.10	1.31	0.03	1.12	0.25	1.54	0.01
4505683	platelet-derived growth factor receptor beta prec	1.26	0.05	1.21	0.07	0.96	0.67	1.39	0.09
40806207	NEDD4-like E3 ubiquitin-protein ligase WWP2 i	1.26		1.23		0.99		0.93	
14149746	COUP transcription factor 2 isoform a [Homo sa	1.26	0.58	1.43	0.50	0.92	0.57	0.76	0.36
4759270	translin isoform 1 [Homo sapiens]	1.26	0.10	1.40	0.02	1.03	0.63	1.27	0.02
1.94E+08	putative helicase MOV-10 [Homo sapiens]	1.26	0.15	1.02	0.88	0.92	0.56	1.73	0.05
71979932	large neutral amino acids transporter small sub	1.26	0.28	1.28	0.26	2.14	0.15	0.63	0.14
54112117	splicing factor 3B subunit 1 isoform 1 [Homo sa	1.26	0.00	1.27	0.00	1.01	0.80	1.23	0.05
4.01E+08	trafficking protein particle complex subunit 3 iso	1.26	0.27	1.16	0.38	1.15	0.40	1.16	0.38
61835204	3-mercaptopyruvate sulfurtransferase isoform 2	1.26	0.06	1.04	0.76	1.24	0.02	1.54	0.01
74136883	heterogeneous nuclear ribonucleoprotein U isof	1.26	0.00	1.42	0.00	1.11	0.02	1.51	0.00
46255052	DNA ligase 4 [Homo sapiens]	1.26		1.22		1.11		1.10	
5032189	tumor suppressor p53-binding protein 1 isoform	1.26	0.01	1.51	0.00	1.22	0.02	1.71	0.00
11386139	1-phosphatidylinositol 4,5-bisphosphate phosph	1.25	0.48	1.18	0.35	1.12	0.81	0.99	0.93
5032113	survival of motor neuron-related-splicing factor	1.25		1.58		1.11		1.46	
56118310	nuclear ubiquitous casein and cyclin-dependent	1.25	0.31	1.52	0.04	1.66	0.05	2.68	0.03
1.49E+08	BRISC complex subunit Abro1 [Homo sapiens]	1.25		1.21		0.98		1.46	
4826998	splicing factor, proline- and glutamine-rich [Hom	1.25	0.00	1.47	0.00	1.18	0.00	1.54	0.00
40217847	U5 small nuclear ribonucleoprotein 200 kDa heli	1.25	0.00	1.38	0.00	1.08	0.16	1.43	0.00
1.94E+08	pyruvate dehydrogenase phosphatase regulator	1.25	0.26	1.10	0.50	0.92	0.77	1.97	0.17
4505023	proteasome assembly chaperone 1 isoform a [H-	1.25		1.23		0.83		1.26	
50234889	ras-related protein Rab-43 isoform a [Homo sap	1.25		1.40		1.29		0.99	
1.01E+08	far upstream element-binding protein 3 [Homo s	1.25	0.13	1.37	0.06	1.13	0.28	0.98	0.93
7657671	nucleolar transcription factor 1 isoform a [Homo	1.25	0.47	1.37	0.53	1.09	0.67	1.94	0.16
6912352	protein argonaute-1 [Homo sapiens]	1.25		1.51		1.07		1.48	
67078404	trans-2-enoyl-CoA reductase, mitochondrial isof	1.25		1.15		1.15		1.14	
3.96E+08	cdc42 effector protein 3 [Homo sapiens]	1.25		1.34		1.27		0.90	
1.11E+08	collagen alpha-1(XVIII) chain isoform 2 precurs	1.25	0.06	1.73	0.01	1.18	0.11	1.00	0.99
67188443	CD276 antigen isoform a precursor [Homo sapi	1.25		1.18		1.27		1.44	
1.45E+08	tRNA (guanine(37)-N1)-methyltransferase [Hom	1.25	0.27	1.52	0.15	0.85	0.34	0.92	0.83
24111250	guanine nucleotide-binding protein subunit alph	1.25	0.24	1.12	0.70	1.10	0.71	1.33	0.26
1.56E+08	general transcription factor IIF subunit 1 [Homo	1.25	0.39	1.27	0.25	0.95	0.64	1.05	0.62
16306548	serine--tRNA ligase, cytoplasmic [Homo sapiens	1.25	0.01	1.12	0.07	1.05	0.51	1.30	0.13
4502403	biglycan preproprotein [Homo sapiens]	1.25	0.18	0.74	0.07	0.62	0.04	1.47	0.00
1.49E+08	probable ATP-dependent RNA helicase DDX17	1.24	0.00	1.35	0.00	1.10	0.06	1.52	0.00

2.24E+08	nuclease EXOG, mitochondrial isoform 1 precu	1.24	0.14	1.25	0.13	1.05	0.62	0.90	0.75
2.91E+08	aladin isoform 2 [Homo sapiens]	1.24	0.30	1.23	0.43	0.97	0.82	1.21	0.55
2.39E+08	histone H2B type 2-F isoform b [Homo sapiens]	1.24	0.28	1.63	0.13	1.05	0.74	2.06	0.10
1.51E+08	pre-mRNA-processing factor 40 homolog A [H	1.24	0.12	1.25	0.12	1.21	0.15	1.38	0.06
4503453	endothelial differentiation-related factor 1 isoform	1.24	0.03	1.19	0.06	1.11	0.19	1.18	0.06
1.61E+08	integrator complex subunit 1 [Homo sapiens]	1.24	0.13	1.20	0.17	1.04	0.72	1.37	0.07
7706343	mitotic spindle-associated MMXD complex subu	1.24		0.95		1.49		1.60	
24308115	interferon regulatory factor 2-binding protein 1 [I	1.24	0.57	1.51	0.20	1.00	0.99	1.23	0.60
29788785	tubulin beta chain [Homo sapiens]	1.24	0.15	1.09	0.45	0.88	0.49	0.77	0.59
34328930	inosine-5'-monophosphate dehydrogenase 1 isc	1.24		1.09		1.07		0.76	
28460688	alpha-taxilin [Homo sapiens]	1.24	0.03	1.35	0.03	0.98	0.79	1.34	0.00
1.11E+08	5'-3' exoribonuclease 1 isoform a [Homo sapien	1.24	0.17	0.99	0.92	0.99	0.91	1.08	0.47
1.93E+08	protein NipSnap homolog 1 isoform 1 [Homo sa	1.24	0.01	1.27	0.00	1.63	0.00	2.38	0.00
2.4E+08	testis-expressed sequence 10 protein isoform 1	1.24	0.11	1.25	0.18	0.98	0.93	1.14	0.40
29568103	U1 small nuclear ribonucleoprotein 70 kDa [Hon	1.24	0.00	1.29	0.00	1.11	0.04	1.34	0.00
18104959	thioredoxin domain-containing protein 9 [Homo	1.24	0.08	1.22	0.04	0.86	0.33	0.73	0.16
2.26E+08	inactive hydroxysteroid dehydrogenase-like prot	1.24		1.57		1.56		1.25	
4557791	sialidase-1 precursor [Homo sapiens]	1.24		0.97		1.21		0.86	
2.25E+08	splicing factor 45 [Homo sapiens]	1.24	0.33	1.42	0.11	0.96	0.81	1.15	0.31
1.49E+08	structural maintenance of chromosomes flexible	1.24	0.14	1.42	0.16	1.09	0.59	1.24	0.30
26051235	nuclear pore complex protein Nup133 [Homo sa	1.24	0.34	1.19	0.22	0.92	0.54	1.04	0.64
20070344	threonine--tRNA ligase, mitochondrial isoform a	1.24		1.22		0.80		1.30	
56550051	U4/U6.U5 tri-snRNP-associated protein 2 isoform	1.24	0.09	1.36	0.02	1.14	0.13	1.30	0.06
3.97E+08	PREDICTED: serine/arginine-rich splicing factor	1.24	0.11	1.36	0.04	1.14	0.06	1.47	0.02
21361495	ester hydrolase C11orf54 [Homo sapiens]	1.24	0.35	1.32	0.22	0.92	0.72	2.24	0.10
4758334	fatty acid desaturase 2 [Homo sapiens]	1.24	0.03	0.94	0.61	1.05	0.48	0.81	0.03
1.17E+08	heterogeneous nuclear ribonucleoproteins C1/C	1.24	0.02	1.46	0.00	1.25	0.01	1.88	0.00
21359867	cytochrome c1, heme protein, mitochondrial [Hc	1.24	0.07	0.92	0.44	1.12	0.31	1.96	0.00
4826649	39S ribosomal protein L49, mitochondrial [Homc	1.24	0.32	1.05	0.76	1.12	0.51	1.08	0.63
1.54E+08	sterile alpha and TIR motif-containing protein 1	1.23	0.28	1.50	0.45	0.85	0.34	0.87	0.39
31880783	protein pelota homolog [Homo sapiens]	1.23	0.29	0.98	0.88	1.00	0.98	0.80	0.27
4758638	peroxiredoxin-6 [Homo sapiens]	1.23	0.00	1.18	0.12	2.83	0.00	1.32	0.34
20149524	transcription elongation factor SPT5 isoform a [I	1.23	0.06	1.28	0.04	1.08	0.34	1.29	0.04
22538465	proteasome subunit beta type-3 [Homo sapiens]	1.23	0.41	0.99	0.89	0.88	0.46	0.93	0.68
7706423	U6 snRNA-associated Sm-like protein LSm7 [Hc	1.23	0.23	1.36	0.07	1.28	0.12	1.72	0.02
46094058	bifunctional 3'-phosphoadenosine 5'-phosphosu	1.23	0.23	1.24	0.17	1.08	0.27	1.25	0.07
6005884	translocon-associated protein subunit gamma [I	1.23		1.08		1.00		1.28	
42476299	PERQ amino acid-rich with GYF domain-contair	1.23	0.13	1.13	0.27	0.83	0.19	0.99	0.99
3E+08	TBC1 domain family member 15 isoform 1 [Hor	1.23		0.97		0.61		1.00	
34485716	ras-related protein Rab-23 [Homo sapiens]	1.23		1.24		0.61		1.25	
1.59E+08	puromycin-sensitive aminopeptidase [Homo sap	1.23	0.00	1.28	0.00	1.16	0.00	1.35	0.00
91208426	pre-mRNA-processing-splicing factor 8 [Homo s	1.23	0.00	1.30	0.00	1.08	0.05	1.35	0.00
3.52E+08	protein SET isoform 3 [Homo sapiens]	1.23	0.11	1.28	0.02	1.07	0.37	1.46	0.02
1.67E+08	thyroid hormone receptor-associated protein 3 [I	1.23	0.00	1.34	0.00	1.10	0.09	1.55	0.00
1.54E+08	far upstream element-binding protein 2 [Homo s	1.23	0.00	1.37	0.00	1.11	0.01	1.70	0.00
1.09E+08	protein FAM98B isoform 1 [Homo sapiens]	1.23	0.13	1.31	0.03	1.10	0.27	1.36	0.11
4504175	glutathione S-transferase Mu 2 isoform 1 [Homc	1.23	0.10	1.29	0.05	0.50	0.05	2.15	0.01
1.48E+08	WD repeat-containing protein 82 [Homo sapiens	1.23	0.37	1.36	0.21	1.23	0.29	1.49	0.15
40807485	pre-mRNA-processing factor 6 [Homo sapiens]	1.23	0.09	1.40	0.01	1.06	0.62	1.37	0.04
29826287	39S ribosomal protein L47, mitochondrial isoform	1.23	0.08	1.11	0.45	1.07	0.58	1.34	0.14
3.46E+08	transcription factor p65 isoform 3 [Homo sapien	1.23	0.14	1.19	0.18	1.01	0.91	1.25	0.20
5031863	galectin-3-binding protein precursor [Homo sapi	1.23	0.04	1.51	0.02	0.84	0.05	0.78	0.05
7657309	LIM and cysteine-rich domains protein 1 [Homo	1.23	0.19	0.58	0.02	1.09	0.44	0.32	0.04
3.99E+08	nurim isoform 2 [Homo sapiens]	1.23		1.09		0.86		0.93	
42490749	ATP-binding cassette sub-family B member 7, n	1.23		1.06		1.09		1.15	
22547138	39S ribosomal protein L4, mitochondrial isoform	1.23	0.13	1.18	0.18	0.98	0.85	1.30	0.10

77917604	ubiquitin domain-containing protein UBFD1 [Homo sapiens]	1.23			1.35			1.65	
40255005	plexin domain-containing protein 2 precursor [Homo sapiens]	1.22			1.05			1.04	2.12
2.25E+08	transmembrane and TPR repeat-containing protein 1 [Homo sapiens]	1.22			0.87			0.93	1.26
2.96E+08	hydroxyacyl-coenzyme A dehydrogenase, mitochondrial [Homo sapiens]	1.22	0.15	1.33	0.08	0.95	0.83	1.40	0.27
7657455	pescadillo homolog isoform 1 [Homo sapiens]	1.22	0.13	1.17	0.38	0.83	0.15	0.98	0.83
7661806	39S ribosomal protein L15, mitochondrial [Homo sapiens]	1.22	0.13	1.06	0.69	1.03	0.73	1.23	0.33
4506727	40S ribosomal protein S4, Y isoform 1 [Homo sapiens]	1.22	0.29	1.30	0.23	0.69	0.44	0.88	0.74
5730027	KH domain-containing, RNA-binding, signal transduction protein 1 [Homo sapiens]	1.22	0.02	1.34	0.00	1.15	0.06	1.63	0.00
39995084	integrator complex subunit 3 [Homo sapiens]	1.22	0.55	1.50	0.39	0.86	0.65	1.46	0.49
9966779	translation initiation factor eIF-2B subunit gamma [Homo sapiens]	1.22	0.29	1.28	0.24	1.08	0.58	1.07	0.75
21362070	uncharacterized protein C7orf26 [Homo sapiens]	1.22			1.08			1.05	1.19
4757902	centrin-2 [Homo sapiens]	1.22			1.63			0.81	0.86
87162455	clustered mitochondria protein homolog [Homo sapiens]	1.22			1.34			0.68	0.79
2.1E+08	transmembrane protein with metallophosphoesterase activity [Homo sapiens]	1.22			1.35			1.40	0.98
57222565	serine/threonine-protein phosphatase 2A catalytic subunit [Homo sapiens]	1.22	0.04	1.29	0.03	1.15	0.10	1.02	0.85
16418361	protein RFT1 homolog [Homo sapiens]	1.22			1.16			1.12	1.23
2.59E+08	fragile X mental retardation syndrome-related protein 1 [Homo sapiens]	1.22	0.58	1.20	0.35	1.17	0.61	1.06	0.67
41327715	TP53-regulating kinase [Homo sapiens]	1.22			1.33			1.07	1.17
2.6E+08	ubiquitin carboxyl-terminal hydrolase 24 [Homo sapiens]	1.22	0.83	0.76	0.53	0.57	0.11	0.38	0.07
21700763	hematological and neurological expressed 1-like protein 1 [Homo sapiens]	1.22	0.02	1.40	0.00	1.40	0.00	1.10	0.38
4503355	dedicator of cytokinesis protein 1 [Homo sapiens]	1.22	0.30	1.30	0.23	1.15	0.54	1.37	0.50
50301240	exosome component 10 isoform 1 [Homo sapiens]	1.22	0.07	1.29	0.08	0.97	0.73	1.20	0.08
24797106	FAS-associated factor 2 [Homo sapiens]	1.22	0.33	1.09	0.42	1.06	0.57	1.22	0.15
24234750	interleukin enhancer-binding factor 3 isoform a [Homo sapiens]	1.22	0.00	1.23	0.00	1.11	0.07	1.46	0.00
66346693	protocadherin Fat 1 precursor [Homo sapiens]	1.22	0.30	1.20	0.33	2.28	0.10	0.93	0.58
4557781	alpha-N-acetylgalactosaminidase precursor [Homo sapiens]	1.21	0.15	1.50	0.04	1.12	0.31	1.71	0.02
2.24E+08	deoxyhypusine hydroxylase [Homo sapiens]	1.21	0.68	1.17	0.40	0.83	0.35	0.87	0.43
4826760	heterogeneous nuclear ribonucleoprotein F [Homo sapiens]	1.21	0.05	1.28	0.01	1.03	0.68	1.30	0.00
40288286	7,8-dihydro-8-oxoguanine triphosphatase isoform 1 [Homo sapiens]	1.21	0.37	1.35	0.25	1.12	0.52	1.27	0.30
1.67E+08	cell division cycle protein 27 homolog isoform 1 [Homo sapiens]	1.21	0.30	1.41	0.18	0.90	0.48	1.13	0.47
21361633	leucine-rich repeat-containing protein 40 [Homo sapiens]	1.21	0.01	1.33	0.00	1.19	0.07	1.12	0.08
7661920	eukaryotic initiation factor 4A-III [Homo sapiens]	1.21	0.01	1.34	0.00	1.06	0.22	1.28	0.01
24430149	nuclear pore complex protein Nup155 isoform 1 [Homo sapiens]	1.21	0.17	1.31	0.15	1.11	0.21	1.29	0.05
2.19E+08	sn1-specific diacylglycerol lipase beta isoform 1 [Homo sapiens]	1.21			1.25			0.99	0.88
73611906	phosphorylase b kinase regulatory subunit beta [Homo sapiens]	1.21			1.32			1.19	1.04
42741682	zinc finger Ran-binding domain-containing protein 1 [Homo sapiens]	1.21			1.17			1.16	1.46
2.96E+08	splicing factor 1 isoform 4 [Homo sapiens]	1.21	0.10	1.34	0.03	1.04	0.68	1.32	0.09
33636738	cAMP-dependent protein kinase catalytic subunit [Homo sapiens]	1.21			0.98			0.61	0.60
54112432	FAD-linked sulfhydryl oxidase ALR [Homo sapiens]	1.21	0.44	1.19	0.36	1.06	0.64	0.94	0.66
41349449	MOB-like protein phosphoinositide 3-kinase [Homo sapiens]	1.21			1.31			1.08	0.85
8923812	acyl-coenzyme A thioesterase 13 isoform 1 [Homo sapiens]	1.21			1.06			1.32	1.12
4507215	signal recognition particle 54 kDa protein isoform 1 [Homo sapiens]	1.21	0.15	1.12	0.31	1.01	0.90	1.06	0.69
51477704	SWI/SNF-related matrix-associated actin-dependent nuclear core protein 1 [Homo sapiens]	1.21			1.41			1.31	1.43
19913408	DNA topoisomerase 2-beta [Homo sapiens]	1.21	0.08	1.46	0.00	1.11	0.05	1.38	0.02
11128019	cytochrome c [Homo sapiens]	1.21	0.09	0.73	0.01	1.09	0.31	1.52	0.01
1.26E+08	serine/threonine-protein kinase 10 [Homo sapiens]	1.21			1.20			1.89	1.13
46852164	alpha-mannosidase 2C1 isoform 1 [Homo sapiens]	1.20			1.12			1.07	1.48
32171247	cyclin-Y isoform 1 [Homo sapiens]	1.20			1.37			1.24	1.82
2.21E+08	N-acetyltransferase 10 isoform b [Homo sapiens]	1.20	0.45	1.21	0.31	0.85	0.35	1.05	0.81
10864017	enolase-phosphatase E1 [Homo sapiens]	1.20			1.16			0.63	0.66
23308577	D-3-phosphoglycerate dehydrogenase [Homo sapiens]	1.20	0.01	1.56	0.00	1.18	0.00	1.30	0.00
7706244	protein CutA isoform 2 precursor [Homo sapiens]	1.20	0.51	1.03	0.93	0.88	0.73	1.10	0.83
49169828	mitochondrial import receptor subunit TOM5 homolog [Homo sapiens]	1.20	0.32	1.29	0.24	1.36	0.20	1.62	0.17
9910278	keratinocyte-associated transmembrane protein 1 [Homo sapiens]	1.20			0.99			1.34	0.98
18644728	nucleolar protein 6 alpha isoform [Homo sapiens]	1.20	0.32	1.09	0.54	0.92	0.54	0.92	0.62
4826952	26S proteasome non-ATPase regulatory subunit 1 [Homo sapiens]	1.20	0.15	1.12	0.26	1.04	0.77	1.20	0.28

21536326	heterogeneous nuclear ribonucleoprotein U-like	1.20	0.06	1.25	0.03	1.16	0.35	1.66	0.01
4503131	catenin beta-1 [Homo sapiens]	1.20	0.04	1.14	0.06	0.98	0.84	0.95	0.62
4502023	RAC-beta serine/threonine-protein kinase isoform 1	1.20	0.51	0.88	0.30	0.90	0.69	0.95	0.83
1.54E+08	protein EFR3 homolog A [Homo sapiens]	1.20		0.77		0.65		0.74	
2.61E+08	palladin isoform 4 [Homo sapiens]	1.20		1.05		1.59		0.30	
37574726	BH3-interacting domain death agonist isoform 1	1.20	0.41	1.21	0.56	1.21	0.43	1.24	0.47
46389556	alpha-endosulfine isoform 5 [Homo sapiens]	1.20	0.32	1.25	0.27	1.30	0.23	1.20	0.32
50592988	cytochrome b-c1 complex subunit 2, mitochondrial	1.20	0.07	0.92	0.18	1.03	0.61	1.34	0.01
31652226	39S ribosomal protein L21, mitochondrial isoform 1	1.20	0.42	1.07	0.69	0.93	0.67	1.12	0.54
1.57E+08	nuclear protein localization protein 4 homolog [Homo sapiens]	1.20	0.09	1.13	0.24	1.11	0.23	1.05	0.57
21265093	39S ribosomal protein L41, mitochondrial [Homo sapiens]	1.20	0.33	1.13	0.46	0.96	0.77	0.97	0.97
1.93E+08	poly(rC)-binding protein 2 isoform f [Homo sapiens]	1.20	0.05	1.32	0.01	1.03	0.66	1.18	0.21
24308207	leucine-rich repeat-containing protein 47 [Homo sapiens]	1.20	0.03	1.23	0.01	0.98	0.76	1.33	0.00
2.26E+08	phosphatidylinositol 5-phosphate 4-kinase type-1	1.19		1.24		1.03		1.33	
2.15E+08	histone deacetylase complex subunit SAP18 [Homo sapiens]	1.19	0.17	1.29	0.09	1.09	0.40	1.36	0.07
2.17E+08	PTGES3L-AARSD1 protein isoform 1 [Homo sapiens]	1.19	0.03	1.15	0.06	1.03	0.59	1.16	0.23
46593007	cytochrome b-c1 complex subunit 1, mitochondrial	1.19	0.09	0.97	0.57	1.03	0.68	1.44	0.00
8923444	H/ACA ribonucleoprotein complex subunit 2 isoform 1	1.19	0.59	1.04	0.86	1.09	0.56	1.20	0.44
7705726	thioredoxin-related transmembrane protein 2 isoform 1	1.19	0.21	1.25	0.05	1.21	0.09	1.21	0.50
7657603	heme-binding protein 2 [Homo sapiens]	1.19	0.67	0.92	0.40	1.06	0.63	1.16	0.50
4502923	calponin-3 [Homo sapiens]	1.19	0.04	1.43	0.00	2.62	0.00	1.18	0.13
39930469	ribosome production factor 2 homolog [Homo sapiens]	1.19		1.10		0.84		0.94	
7705805	28S ribosomal protein S2, mitochondrial [Homo sapiens]	1.19	0.10	1.09	0.35	0.96	0.65	1.21	0.13
4502389	barrier-to-autointegration factor [Homo sapiens]	1.19	0.34	1.16	0.39	0.98	0.95	1.34	0.32
38683807	ankyrin repeat domain-containing protein 17 isoform 1	1.19	0.17	1.30	0.09	1.00	1.00	1.05	0.62
46409324	SPRY domain-containing protein 4 [Homo sapiens]	1.19		1.05		1.13		1.24	
1.19E+08	fibronectin type-III domain-containing protein 3A1	1.19	0.23	1.38	0.33	1.22	0.25	1.49	0.10
2.39E+08	THO complex subunit 4 [Homo sapiens]	1.19	0.18	1.36	0.11	1.31	0.27	1.24	0.13
37594464	ADP-sugar pyrophosphatase [Homo sapiens]	1.19	0.09	1.11	0.43	1.31	0.03	1.12	0.14
66392203	NME1-NME2 protein [Homo sapiens]	1.19	0.05	1.15	0.03	0.92	0.26	1.08	0.27
7661672	polymerase delta-interacting protein 2 [Homo sapiens]	1.19	0.36	0.97	0.79	0.83	0.16	1.04	0.83
4505229	protein FADD [Homo sapiens]	1.19		1.23		1.02		1.06	
71284108	nuclear distribution protein nudE-like 1 isoform 1	1.19		1.48		1.04		0.83	
2.62E+08	transmembrane protein 201 isoform 1 [Homo sapiens]	1.19		1.21		1.05		1.33	
4885425	GTPase HRas isoform 1 [Homo sapiens]	1.19	0.53	1.13	0.68	1.63	0.39	2.00	0.39
1.94E+08	SHC-transforming protein 1 isoform 3 [Homo sapiens]	1.19	0.18	1.19	0.69	1.57	0.04	1.69	0.30
21264365	nuclear pore complex protein Nup98-Nup96 isoform 1	1.19	0.19	1.19	0.09	1.03	0.75	1.23	0.09
52426743	luc7-like protein 3 [Homo sapiens]	1.19	0.19	1.39	0.06	1.06	0.73	1.43	0.05
1.18E+08	zinc finger CCCH domain-containing protein 15 isoform 1	1.19	0.37	1.17	0.41	1.00	0.99	0.78	0.24
6912676	SNW domain-containing protein 1 [Homo sapiens]	1.19	0.61	1.32	0.31	1.29	0.25	1.34	0.22
29501813	ubiquitin fusion degradation protein 1 homolog 1	1.19	0.06	1.22	0.04	1.39	0.03	1.27	0.15
4507361	mitogen-activated protein kinase kinase kinase 1	1.19	0.46	1.06	0.79	1.04	0.80	0.72	0.41
47933339	putative RNA-binding protein 15 isoform 1 [Homo sapiens]	1.19		1.15		0.97		1.30	
3.12E+08	copine-1 isoform c [Homo sapiens]	1.19	0.01	1.27	0.00	1.15	0.03	1.45	0.00
11321607	pachytene checkpoint protein 2 homolog isoform 1	1.19	0.42	1.20	0.22	0.73	0.16	0.98	0.87
50301238	glutathione reductase, mitochondrial isoform 1 [Homo sapiens]	1.19	0.64	1.19	0.33	1.14	0.78	1.22	0.77
7110661	putative ribosomal RNA methyltransferase 1 isoform 1	1.19		1.26		1.24		1.10	
2.03E+08	all-trans-retinol 13,14-reductase precursor [Homo sapiens]	1.18	0.45	0.94	0.64	0.83	0.51	1.02	0.92
3.13E+08	armadillo repeat-containing protein 6 isoform 1 [Homo sapiens]	1.18		1.00		0.72		0.75	
1.48E+08	calcium-binding mitochondrial carrier protein SC1	1.18	0.04	1.06	0.43	1.63	0.00	1.77	0.00
18860916	5'-3' exoribonuclease 2 [Homo sapiens]	1.18	0.23	1.30	0.23	0.94	0.56	1.14	0.37
11386147	proactivator polypeptide isoform a preproprotein	1.18	0.51	1.11	0.60	0.73	0.01	1.23	0.38
1.64E+08	cytochrome b-c1 complex subunit Rieske, mitochondrial	1.18	0.10	0.73	0.01	0.87	0.45	0.92	0.66
21265080	39S ribosomal protein L18, mitochondrial [Homo sapiens]	1.18		1.12		1.14		1.07	
31657129	phosphoribosylformylglycinamide synthase [Homo sapiens]	1.18	0.02	1.25	0.03	1.09	0.41	1.24	0.16
4759140	Na(+)/H(+) exchange regulatory cofactor NHE-F1	1.18	0.38	1.90	0.11	1.56	0.16	1.00	0.98

14150017	transmembrane protein 126A isoform 1 [Homo sapiens]	1.18	1.12		0.82		1.44		
3.87E+08	radixin isoform 1 [Homo sapiens]	1.18	0.03	1.52	0.00	1.41	0.00	1.48	0.00
33457344	conserved oligomeric Golgi complex subunit 6 isoform 1 [Homo sapiens]	1.18	0.36	0.99	0.91	0.97	0.84	1.05	0.71
32130514	protein NDRG3 isoform b [Homo sapiens]	1.18		1.13		0.85		1.14	
3.01E+08	exonuclease 3'-5' domain-containing protein 2 isoform 1 [Homo sapiens]	1.18	0.63	0.96	0.76	1.14	0.41	1.25	0.27
55953087	nucleolar GTP-binding protein 1 [Homo sapiens]	1.18	0.06	1.32	0.01	1.02	0.76	0.98	0.87
41871960	kinesin light chain 4 isoform b [Homo sapiens]	1.18		1.10		1.53		1.28	
47078240	COP9 signalosome complex subunit 1 isoform 2 [Homo sapiens]	1.18	0.02	1.28	0.00	1.09	0.22	1.09	0.39
39995082	tRNA (cytosine(34)-C(5))-methyltransferase isoform 1 [Homo sapiens]	1.18	0.08	1.33	0.00	1.12	0.09	1.18	0.04
47132622	S-methyl-5'-thioadenosine phosphorylase [Homo sapiens]	1.18	0.39	0.97	0.91	0.83	0.56	1.00	1.00
31712030	ancient ubiquitous protein 1 [Homo sapiens]	1.18		1.16		0.91		1.02	
2.17E+08	leucine zipper protein 1 [Homo sapiens]	1.18	0.19	1.00	0.98	1.80	0.04	1.08	0.43
21040326	protein SON isoform F [Homo sapiens]	1.18	0.11	1.38	0.02	1.20	0.10	1.41	0.18
13569956	actin-related protein 2/3 complex subunit 5-like protein 1 [Homo sapiens]	1.17	0.20	1.08	0.47	1.12	0.31	0.98	0.89
28872792	CDK5 regulatory subunit-associated protein 3 [Homo sapiens]	1.17	0.48	1.07	0.65	0.85	0.21	1.18	0.24
17149830	ARF GTPase-activating protein GIT2 isoform 1 [Homo sapiens]	1.17	0.51	1.17	0.26	1.05	0.80	1.39	0.13
1.45E+08	UPF0160 protein MYG1, mitochondrial precursor [Homo sapiens]	1.17	0.30	1.24	0.26	0.87	0.11	1.15	0.51
2.21E+08	valacyclovir hydrolase precursor [Homo sapiens]	1.17	0.36	1.33	0.22	0.98	0.87	1.51	0.15
4557497	C-terminal-binding protein 1 isoform 1 [Homo sapiens]	1.17	0.14	1.21	0.09	1.04	0.85	1.25	0.06
1.49E+08	ADP-ribosylation factor-like protein 2 isoform 1 [Homo sapiens]	1.17	0.36	1.23	0.29	0.74	0.42	0.95	0.77
14165274	protein Hook homolog 3 [Homo sapiens]	1.17		1.29		1.13		1.18	
1.55E+08	CCA tRNA nucleotidyltransferase 1, mitochondrial [Homo sapiens]	1.17	0.12	1.11	0.27	0.91	0.58	1.00	0.96
3.52E+08	tripartite motif-containing protein 3 isoform 1 [Homo sapiens]	1.17		1.24		1.08		1.41	
7242140	ATP-dependent Clp protease ATP-binding subunit 1 [Homo sapiens]	1.17		1.20		1.05		1.38	
7661666	testin isoform 1 [Homo sapiens]	1.17	0.01	0.98	0.62	1.30	0.00	1.30	0.01
5454064	RNA-binding protein 14 isoform 1 [Homo sapiens]	1.17	0.00	1.28	0.00	1.23	0.01	1.23	0.06
7657313	U6 snRNA-associated Sm-like protein LSM1 [Homo sapiens]	1.17	0.23	1.14	0.30	1.39	0.62	1.05	0.85
77695912	nucleolysin TIAR isoform 2 [Homo sapiens]	1.17	0.13	1.23	0.03	1.11	0.28	1.24	0.14
1.49E+08	ubiquitin carboxyl-terminal hydrolase 5 isoform 1 [Homo sapiens]	1.17	0.01	1.20	0.00	1.04	0.40	1.42	0.00
3.12E+08	RNA-binding protein 12 [Homo sapiens]	1.17	0.08	1.29	0.02	1.54	0.06	1.27	0.08
2.91E+08	mRNA-decapping enzyme 1A [Homo sapiens]	1.17		1.40		1.02		1.75	
1.17E+08	protein RER1 [Homo sapiens]	1.17		0.81		0.85		0.90	
11386183	wiskott-Aldrich syndrome protein family member 1 [Homo sapiens]	1.17	0.37	1.08	0.69	1.09	0.66	1.19	0.33
48526509	mitochondrial import inner membrane translocator subunit 1 [Homo sapiens]	1.17	0.28	1.16	0.21	1.19	0.17	1.55	0.03
24307983	cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1 [Homo sapiens]	1.17		1.35		0.79		0.89	
1.54E+08	glucoside xylosyltransferase 1 isoform 1 [Homo sapiens]	1.17	0.36	1.33	0.27	1.30	0.42	2.20	0.21
9966764	acyl-protein thioesterase 2 [Homo sapiens]	1.17		1.45		1.30		1.01	
21040371	ATP-dependent RNA helicase DDX39A [Homo sapiens]	1.17	0.77	1.41	0.25	1.04	0.92	1.40	0.32
39753957	torsin-1A-interacting protein 1 isoform 2 [Homo sapiens]	1.17	0.41	0.96	0.83	1.11	0.31	1.23	0.28
51317376	NHP2-like protein 1 [Homo sapiens]	1.17	0.08	1.12	0.16	1.02	0.73	1.23	0.04
32129199	SAP domain-containing ribonucleoprotein [Homo sapiens]	1.17	0.05	1.22	0.02	1.01	0.81	1.28	0.01
27436946	lamin isoform A [Homo sapiens]	1.17		1.08		0.96		0.89	
4502889	battenin [Homo sapiens]	1.17		1.68		0.76		1.21	
1.91E+08	cytochrome c oxidase subunit 5A, mitochondrial [Homo sapiens]	1.17		1.03		0.90		1.17	
1.94E+08	phosphoribosyl pyrophosphate synthase-associated protein 1 [Homo sapiens]	1.17	0.41	1.34	0.38	0.79	0.34	0.66	0.29
5453918	peroxisomal membrane protein PMP34 [Homo sapiens]	1.17	0.39	1.21	0.33	1.26	0.46	0.79	0.69
4503165	cullin-3 isoform 1 [Homo sapiens]	1.17	0.20	1.24	0.01	1.18	0.01	1.30	0.00
41872631	fatty acid synthase [Homo sapiens]	1.17	0.00	1.15	0.00	1.21	0.00	1.11	0.02
3.13E+08	ubiquitin carboxyl-terminal hydrolase isozyme L1 [Homo sapiens]	1.16	0.12	1.13	0.12	1.09	0.27	1.16	0.32
1.16E+08	torsin-3A precursor [Homo sapiens]	1.16		1.13		1.12		0.53	
7657234	small acidic protein [Homo sapiens]	1.16	0.21	1.23	0.13	1.03	0.73	1.47	0.05
5453690	dnaJ homolog subfamily B member 1 [Homo sapiens]	1.16	0.60	1.27	0.44	1.05	0.81	1.02	0.91
20149680	ketosamine-3-kinase [Homo sapiens]	1.16		1.78		1.15		1.93	
4759154	synaptosomal-associated protein 29 [Homo sapiens]	1.16		0.79		0.59		0.42	
4759100	serine/arginine-rich splicing factor 11 isoform 1 [Homo sapiens]	1.16	0.37	1.20	0.32	1.06	0.66	0.99	0.97
21361091	ubiquitin carboxyl-terminal hydrolase isozyme L1 [Homo sapiens]	1.16	0.05	1.23	0.01	1.14	0.04	1.27	0.02

7019419	nucleolar GTP-binding protein 2 [Homo sapiens]	1.16	1.19		0.80		0.71	
2.05E+08	TLD domain-containing protein KIAA1609 [Homo sapiens]	1.16	0.39	0.93	0.86	1.15	0.81	1.09 0.90
1.17E+08	epimerase family protein SDR39U1 [Homo sapiens]	1.16		1.49		1.13		1.30
4504035	GMP synthase [glutamine-hydrolyzing] [Homo sapiens]	1.16	0.04	1.22	0.01	1.06	0.61	1.18 0.27
27545323	chondroitin sulfate synthase 2 isoform 1 [Homo sapiens]	1.16	0.22	1.14	0.27	0.89	0.30	1.02 0.92
1.51E+08	coiled-coil domain-containing protein 43 isoform 1 [Homo sapiens]	1.16		1.46		1.05		1.19
38683855	pentatricopeptide repeat domain-containing protein 1 [Homo sapiens]	1.16	0.25	1.11	0.34	1.04	0.79	1.16 0.51
62955803	nucleoporin NUP188 homolog [Homo sapiens]	1.16	0.80	1.47	0.20	1.17	0.97	1.33 0.79
54607086	selenocysteine-specific elongation factor [Homo sapiens]	1.16	0.39	1.17	0.37	1.05	0.70	1.28 0.44
5031715	PDZ domain-containing protein GIPC1 isoform 1 [Homo sapiens]	1.16		1.10		1.12		0.96
4502169	NEDD8-activating enzyme E1 regulatory subunit 1 [Homo sapiens]	1.16	0.10	1.19	0.07	1.07	0.40	1.28 0.04
2.65E+08	WD repeat-containing protein 26 isoform a [Homo sapiens]	1.16		1.21		1.15		1.05
3.95E+08	pre-mRNA-splicing regulator WTAP isoform 1 [Homo sapiens]	1.16		1.33		0.96		1.12
4507729	tubulin beta-2A chain [Homo sapiens]	1.16		1.27		1.72		0.74
23510451	acylamino-acid-releasing enzyme [Homo sapiens]	1.16	0.08	1.33	0.01	1.27	0.01	1.29 0.02
48762697	growth factor receptor-bound protein 10 isoform 1 [Homo sapiens]	1.16		1.38		0.85		0.33
1.5E+08	ubiquitin carboxyl-terminal hydrolase 7 [Homo sapiens]	1.16	0.44	1.16	0.12	1.00	0.95	1.32 0.03
37693993	nucleoside diphosphate kinase 3 precursor [Homo sapiens]	1.16	0.33	1.11	0.34	1.23	0.13	1.73 0.14
31543667	ATP-dependent RNA helicase SUPV3L1, mitochondrial [Homo sapiens]	1.16	0.38	1.02	0.90	0.91	0.53	0.95 0.90
3.45E+08	kinesin-like protein KIF2A isoform 4 [Homo sapiens]	1.16	0.13	1.32	0.07	1.33	0.07	1.02 0.91
4507127	U1 small nuclear ribonucleoprotein C [Homo sapiens]	1.16		1.24		1.16		1.32
6912494	microtubule-associated protein RP/EB family member 1 [Homo sapiens]	1.16	0.02	1.30	0.00	1.12	0.23	0.79 0.22
10092657	NADH dehydrogenase [ubiquinone] 1 alpha subunit [Homo sapiens]	1.16		1.14		0.95		1.35
4506901	serine/arginine-rich splicing factor 3 [Homo sapiens]	1.16	0.42	1.35	0.23	1.08	0.61	1.53 0.16
28372497	E3 ubiquitin-protein ligase UBR1 [Homo sapiens]	1.16		1.12		1.12		1.01
21361499	sentrin-specific protease 3 [Homo sapiens]	1.16	0.72	1.26	0.51	0.96	0.72	1.03 0.82
7706254	nucleolar protein 58 [Homo sapiens]	1.16	0.13	1.05	0.58	0.88	0.16	1.06 0.59
14249158	hepatoma-derived growth factor-related protein 1 [Homo sapiens]	1.15	0.31	1.13	0.44	1.10	0.58	1.41 0.38
20070220	protein arginine N-methyltransferase 5 isoform 1 [Homo sapiens]	1.15	0.15	1.02	0.92	0.77	0.24	0.88 0.74
6912278	COMM domain-containing protein 3 [Homo sapiens]	1.15	0.39	1.01	0.93	0.81	0.28	1.24 0.28
1.53E+08	calcineurin-like phosphoesterase domain-containing protein 1 [Homo sapiens]	1.15		1.11		2.15		1.18
4505901	transmembrane protein 11, mitochondrial [Homo sapiens]	1.15		1.09		0.89		1.28
4502011	adenylate kinase isoenzyme 1 [Homo sapiens]	1.15	0.16	1.73	0.01	1.15	0.14	0.99 0.96
4503727	peptidyl-prolyl cis-trans isomerase FKBP3 [Homo sapiens]	1.15	0.11	1.20	0.07	1.21	0.02	1.34 0.00
23199998	putative methyltransferase NSUN5 isoform 1 [Homo sapiens]	1.15	0.65	1.02	0.92	0.76	0.08	0.86 0.66
21361517	UBX domain-containing protein 1 [Homo sapiens]	1.15	0.17	1.16	0.15	1.13	0.22	1.20 0.11
32307148	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 1 [Homo sapiens]	1.15	0.39	1.35	0.20	1.39	0.25	0.77 0.61
5803185	synaptophysin-like protein 1 isoform a [Homo sapiens]	1.15		1.04		0.90		1.00
2.62E+08	dnaJ homolog subfamily C member 7 isoform 1 [Homo sapiens]	1.15	0.39	1.39	0.20	1.10	0.50	0.92 0.88
1.15E+08	N-terminal kinase-like protein isoform B [Homo sapiens]	1.15	0.39	1.07	0.62	0.88	0.41	1.09 0.55
11024698	bifunctional protein NCOAT isoform a [Homo sapiens]	1.15	0.07	1.15	0.07	1.24	0.02	1.18 0.18
32455256	ceramide synthase 2 [Homo sapiens]	1.15	0.56	1.09	0.73	1.25	0.27	0.88 0.68
1.89E+08	2',5'-phosphodiesterase 12 [Homo sapiens]	1.15	0.22	1.04	0.68	0.92	0.40	0.97 0.82
38327634	ATP-dependent RNA helicase DDX18 [Homo sapiens]	1.15		1.12		0.93		0.90
56676330	heterochromatin protein 1-binding protein 3 [Homo sapiens]	1.15	0.02	1.22	0.01	1.10	0.25	1.84 0.00
55956916	unconventional myosin-1e [Homo sapiens]	1.15	0.17	0.98	0.86	1.15	0.17	1.17 0.19
2.09E+08	nuclear pore complex protein Nup93 isoform 1 [Homo sapiens]	1.15	0.03	1.24	0.01	1.09	0.11	1.22 0.00
47132583	cAMP-dependent protein kinase type I-alpha regulatory subunit [Homo sapiens]	1.15	0.26	1.10	0.41	0.99	0.82	1.22 0.01
4557873	uroporphyrinogen-III synthase [Homo sapiens]	1.15		1.33		0.98		1.28
1.5E+08	E3 SUMO-protein ligase RanBP2 [Homo sapiens]	1.15	0.12	1.11	0.17	1.03	0.68	1.18 0.08
3.16E+08	small EDRK-rich factor 2 isoform a [Homo sapiens]	1.15	0.40	1.12	0.46	1.26	0.25	1.32 0.22
31742498	SUN domain-containing protein 2 isoform b [Homo sapiens]	1.15	0.07	1.21	0.06	1.13	0.25	1.21 0.12
40789229	splicing factor, arginine/serine-rich 15 isoform 1 [Homo sapiens]	1.15		2.09		1.02		2.04
19923142	importin subunit beta-1 isoform 1 [Homo sapiens]	1.15	0.00	1.27	0.00	1.03	0.46	1.17 0.03
1.98E+08	importin-11 isoform 1 [Homo sapiens]	1.15		1.49		1.39		1.57
42544159	heat shock protein 105 kDa [Homo sapiens]	1.15	0.01	1.54	0.00	0.97	0.52	0.86 0.00

61743948	abl interactor 1 isoform d [Homo sapiens]	1.14	1.30	1.13	1.22				
7706351	peptidyl-tRNA hydrolase 2, mitochondrial precursor	1.14	0.16	1.08	0.35	1.06	0.45	1.09	0.31
14150100	cancer-related nucleoside-triphosphatase [Homo sapiens]	1.14	0.15	1.03	0.70	0.92	0.35	0.98	0.88
1.88E+08	E3 ubiquitin-protein ligase ARIH1 [Homo sapiens]	1.14		1.29		1.32		1.29	
14150155	vacuolar protein-sorting-associated protein 25 [Homo sapiens]	1.14	0.24	1.19	0.10	1.05	0.67	1.11	0.27
4505357	NADH dehydrogenase [ubiquinone] 1 alpha subunit	1.14	0.51	0.96	0.76	0.91	0.54	1.43	0.18
4757838	apoptosis regulator BAX isoform beta [Homo sapiens]	1.14	0.33	1.03	0.90	1.39	0.02	1.01	0.90
8393516	sterol-4-alpha-carboxylate 3-dehydrogenase, desaturase	1.14	0.16	0.96	0.65	1.30	0.03	1.29	0.04
4758078	tyrosine-protein kinase CSK [Homo sapiens]	1.14	0.40	1.29	0.31	1.22	0.18	1.46	0.06
2.81E+08	fibrillin-1 precursor [Homo sapiens]	1.14	0.12	0.80	0.01	1.29	0.04	0.96	0.72
20149560	syntaxin-4 isoform 3 [Homo sapiens]	1.14		1.29		1.23		1.03	
2.23E+08	39S ribosomal protein L23, mitochondrial [Homo sapiens]	1.14	0.60	1.10	0.42	0.91	0.60	1.09	0.90
73466520	fatty aldehyde dehydrogenase isoform 1 [Homo sapiens]	1.14	0.45	1.49	0.17	0.71	0.42	1.63	0.15
19923181	PDZ and LIM domain protein 4 isoform 1 [Homo sapiens]	1.14	0.08	0.93	0.29	0.83	0.03	0.78	0.02
40217812	protein TBRG4 isoform 1 [Homo sapiens]	1.14		0.95		0.93		1.14	
40316915	aminopeptidase B [Homo sapiens]	1.14	0.06	1.10	0.13	1.37	0.00	1.09	0.12
4506929	endophilin-A2 isoform 1 [Homo sapiens]	1.14	0.08	1.12	0.29	1.18	0.06	1.16	0.03
4502247	armadillo repeat protein deleted in velo-cardio-facial syndrome	1.14		1.30		0.87		0.99	
2.91E+08	pyruvate dehydrogenase E1 component subunit 1 [Homo sapiens]	1.14	0.21	1.12	0.13	1.24	0.00	1.54	0.00
19923403	exosome complex component RRP4 [Homo sapiens]	1.14	0.61	1.01	0.94	0.89	0.49	0.98	0.91
8922712	septin-11 [Homo sapiens]	1.14	0.25	1.13	0.21	1.24	0.16	0.99	0.96
4885649	SUMO-activating enzyme subunit 2 [Homo sapiens]	1.14	0.30	1.34	0.08	1.03	0.78	1.60	0.19
1.56E+08	acyl-CoA synthetase family member 2, mitochondrial	1.14		1.17		0.88		1.28	
34577049	bullous pemphigoid antigen 1 isoform 1eA precursor	1.14	0.29	1.31	0.04	1.13	0.21	0.77	0.31
1.34E+08	arginine and glutamate-rich protein 1 [Homo sapiens]	1.14	0.42	1.41	0.18	1.08	0.62	1.63	0.13
37594471	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial	1.14	0.29	1.09	0.44	0.95	0.68	1.58	0.13
1.15E+08	E3 ubiquitin-protein ligase NEDD4 isoform 2 [Homo sapiens]	1.14		1.15		1.17		1.15	
23097250	TIP41-like protein isoform 1 [Homo sapiens]	1.14	0.15	1.08	0.27	1.25	0.01	1.25	0.02
8393009	vacuolar protein sorting-associated protein 51 homolog	1.14	0.58	1.27	0.52	0.91	0.75	1.26	0.60
4502801	regulator of chromosome condensation isoform 1 [Homo sapiens]	1.14	0.65	1.04	0.89	1.21	0.44	1.18	0.60
3.13E+08	proteasome assembly chaperone 2 isoform 2 [Homo sapiens]	1.14	0.43	0.96	0.77	0.69	0.18	0.81	0.29
1.24E+08	symplekin [Homo sapiens]	1.14	0.44	1.29	0.17	0.95	0.77	1.38	0.20
6912674	SNARE-associated protein Snapin [Homo sapiens]	1.14		1.16		0.85		1.00	
5454152	cytochrome b-c1 complex subunit 7 isoform 1 [Homo sapiens]	1.14	0.60	0.78	0.12	1.00	0.99	1.39	0.43
33519455	methionine adenosyltransferase 2 subunit beta [Homo sapiens]	1.14	0.17	1.07	0.43	0.94	0.38	1.07	0.35
46275835	protein FAM45A [Homo sapiens]	1.14		1.15		1.03		0.94	
4759158	small nuclear ribonucleoprotein Sm D2 isoform 1 [Homo sapiens]	1.14	0.17	1.20	0.05	1.10	0.22	1.41	0.01
2.17E+08	activated RNA polymerase II transcriptional coactivator	1.14	0.27	1.13	0.13	0.90	0.19	1.70	0.00
78000158	translation initiation factor eIF-2B subunit delta [Homo sapiens]	1.14	0.17	0.99	0.90	0.88	0.18	0.92	0.33
4885399	structural maintenance of chromosomes protein 1 [Homo sapiens]	1.13	0.24	1.47	0.02	0.99	0.95	1.41	0.05
60499025	ferrochelatase, mitochondrial isoform a precursor	1.13	0.19	1.04	0.65	1.19	0.10	1.64	0.01
1.9E+08	exosome complex exonuclease RRP44 isoform 1 [Homo sapiens]	1.13	0.66	1.23	0.25	0.97	0.74	1.35	0.07
41349456	prolyl endopeptidase [Homo sapiens]	1.13	0.30	0.97	0.60	1.01	0.87	1.21	0.11
40789233	ubiquinone biosynthesis protein COQ9, mitochondrial	1.13		1.19		0.94		0.76	
17402900	far upstream element-binding protein 1 [Homo sapiens]	1.13	0.17	1.24	0.01	1.16	0.02	1.25	0.00
72534692	5'-nucleotidase domain-containing protein 3 [Homo sapiens]	1.13		1.27		1.11		0.54	
73695475	HEAT repeat-containing protein 1 [Homo sapiens]	1.13	0.17	1.18	0.20	0.94	0.44	0.91	0.84
21071044	probable global transcription activator SNF2L1 isoform 1 [Homo sapiens]	1.13	0.30	1.37	0.07	1.16	0.24	1.19	0.35
13236583	lys-63-specific deubiquitinase BRCC36 isoform 1 [Homo sapiens]	1.13		0.94		1.09		1.07	
94721336	RUN and FYVE domain-containing protein 1 isoform 1 [Homo sapiens]	1.13		0.87		0.65		1.19	
21361912	dnaJ homolog subfamily C member 1 precursor [Homo sapiens]	1.13		1.08		0.84		0.77	
1.9E+08	TBC1 domain family member 13 [Homo sapiens]	1.13	0.55	1.27	0.25	1.03	0.83	1.45	0.34
1.49E+08	ATP-binding cassette sub-family F member 3 [Homo sapiens]	1.13	0.35	1.13	0.52	0.95	0.63	0.97	0.91
20911035	peptidyl-prolyl cis-trans isomerase-like 4 [Homo sapiens]	1.13		1.28		0.92		0.98	
7657015	tRNA-splicing ligase RtcB homolog [Homo sapiens]	1.13	0.01	1.11	0.05	1.16	0.01	1.25	0.00
4506341	ATP-binding cassette sub-family D member 3 isoform 1 [Homo sapiens]	1.13	0.20	1.15	0.10	1.01	0.86	0.72	0.32

2.62E+08	trafficking protein particle complex subunit 1 [Hc	1.13	1.11	1.12	1.23			
4E+08	proline-rich AKT1 substrate 1 isoform a [Homo	ε 1.13	1.15	1.07	0.98			
20806097	nucleolar complex protein 3 homolog [Homo sa	1.13	0.49	1.20	0.39	0.97	0.84	1.22 0.30
45545435	COMM domain-containing protein 2 [Homo sapi	1.13	1.10			0.95		1.16
11055998	guanine nucleotide-binding protein subunit beta	1.13	0.28	1.11	0.34	1.19	0.18	1.51 0.06
8051631	RNA-binding protein Raly isoform 1 [Homo sapi	1.13	0.05	1.35	0.00	1.23	0.01	1.43 0.00
1.19E+08	cytosolic Fe-S cluster assembly factor NUBP1 [I	1.13		1.28		0.97		1.65
4557537	developmentally-regulated GTP-binding protein	1.13	0.37	1.05	0.64	0.94	0.52	1.09 0.64
31044432	LEM domain-containing protein 2 isoform 1 [Hor	1.13	0.49	1.00	0.99	0.98	0.90	1.23 0.62
3.01E+08	calcium/calmodulin-dependent 3',5'-cyclic nucle	1.13		2.93		0.39		0.41
4759274	thioredoxin-like protein 1 [Homo sapiens]	1.13	0.20	1.08	0.38	0.74	0.10	0.94 0.62
4505941	DNA-directed RNA polymerase II subunit RPB2	1.13	0.19	1.20	0.04	0.91	0.14	0.97 0.81
24308113	KIF1-binding protein [Homo sapiens]	1.13	0.32	1.05	0.64	0.99	0.92	0.79 0.12
4506243	polypyrimidine tract-binding protein 1 isoform a	1.13	0.03	1.20	0.00	1.04	0.50	1.45 0.00
4557323	apolipoprotein C-III precursor [Homo sapiens]	1.13		1.45		1.11		1.01
1.17E+08	3'(2'),5'-bisphosphate nucleotidase 1 [Homo sa	1.13	0.29	0.96	0.59	1.05	0.61	1.16 0.14
56549640	septin-2 [Homo sapiens]	1.13	0.11	1.13	0.15	1.40	0.00	1.27 0.00
6857824	intraflagellar transport protein 27 homolog isofo	1.13	0.44	1.45	0.33	1.27	0.49	1.76 0.32
24119203	tropomyosin alpha-3 chain isoform 2 [Homo sap	1.13	0.32	0.99	0.94	1.70	0.00	1.19 0.01
3.59E+08	protein LAP2 isoform 1 [Homo sapiens]	1.13	0.54	0.89	0.62	1.25	0.51	1.02 0.93
4505773	prohibitin [Homo sapiens]	1.13	0.04	1.12	0.04	1.17	0.02	1.49 0.00
23503295	casein kinase II subunit beta [Homo sapiens]	1.13	0.28	1.07	0.50	0.91	0.37	0.99 0.91
57863295	uncharacterized protein KIAA0930 isoform b [Hc	1.13		1.28		1.25		1.24
1.17E+08	mannose-P-dolichol utilization defect 1 protein [	1.13		1.08		1.26		1.45
15088795	GPI transamidase component PIG-S [Homo sa	1.12	0.30	1.21	0.22	0.99	0.92	1.08 0.84
1.87E+08	28S ribosomal protein S7, mitochondrial [Homo	1.12	0.12	1.08	0.37	1.09	0.42	1.15 0.08
51093832	GTPase-activating protein and VPS9 domain-cc	1.12	0.60	1.15	0.49	1.19	0.10	0.94 0.60
14249398	PHD finger-like domain-containing protein 5A [H	1.12	0.33	1.18	0.16	1.52	0.09	1.51 0.02
15100151	abhydrolase domain-containing protein 16A isof	1.12	0.29	1.03	0.77	1.13	0.27	0.94 0.81
4885413	histidine triad nucleotide-binding protein 1 [Hom	1.12	0.24	1.06	0.55	1.02	0.81	1.02 0.83
4503363	dolichol-phosphate mannosyltransferase [Homo	1.12	0.23	0.98	0.81	0.98	0.83	0.94 0.83
27436901	39S ribosomal protein L12, mitochondrial [Homo	1.12	0.49	1.14	0.46	1.08	0.84	1.31 0.40
5032069	splicing factor 3B subunit 4 [Homo sapiens]	1.12	0.32	1.21	0.16	1.23	0.28	1.38 0.08
2.24E+08	COBW domain-containing protein 1 isoform 3 [H	1.12		1.13		1.00		1.10
5729953	nuclear migration protein nudC [Homo sapiens]	1.12	0.03	1.35	0.00	1.06	0.22	0.94 0.28
8923421	serine--tRNA ligase, mitochondrial isoform b pre	1.12	0.41	1.15	0.27	1.01	0.88	1.34 0.17
2.13E+08	ethylmalonyl-CoA decarboxylase isoform 5 [Hor	1.12	0.51	0.99	0.92	0.92	0.55	0.99 0.94
1.84E+08	serine/threonine-protein phosphatase 6 catalytic	1.12	0.66	0.99	0.96	0.95	0.76	0.85 0.39
56237023	UDP-glucose 4-epimerase [Homo sapiens]	1.12	0.31	1.03	0.87	1.00	0.96	0.91 0.39
4826734	RNA-binding protein FUS isoform 1 [Homo sapi	1.12	0.44	1.40	0.03	1.15	0.18	1.73 0.05
12056465	rRNA 2'-O-methyltransferase fibrillarlin [Homo s	1.12	0.17	1.09	0.41	0.91	0.13	1.09 0.28
4506031	palmitoyl-protein thioesterase 1 isoform 1 precu	1.12	0.65	1.00	1.00	0.80	0.52	1.32 0.22
20270253	activating signal cointegrator 1 complex subunit	1.12	0.57	0.83	0.35	0.91	0.78	0.74 0.62
15011936	40S ribosomal protein S26 [Homo sapiens]	1.12		1.06		0.93		0.79
1.57E+08	cyclin-G-associated kinase [Homo sapiens]	1.12	0.47	1.12	0.48	1.44	0.51	0.97 0.86
31621303	sideroflexin-3 [Homo sapiens]	1.12	0.39	1.03	0.86	1.28	0.05	1.51 0.05
42716275	CCR4-NOT transcription complex subunit 1 isof	1.12	0.06	1.23	0.06	1.20	0.12	1.17 0.13
1.94E+08	eukaryotic peptide chain release factor GTP-bin	1.12	0.04	1.19	0.00	1.03	0.74	1.01 0.84
1.55E+08	protein arginine N-methyltransferase 1 isoform	1.12	0.12	1.13	0.09	1.02	0.66	1.14 0.15
14165439	heterogeneous nuclear ribonucleoprotein K isof	1.12	0.03	1.31	0.00	1.08	0.10	1.44 0.00
1.34E+08	pericentriolar material 1 protein [Homo sapiens]	1.12		1.85		0.75		1.00
33636698	serine/threonine-protein kinase tousled-like 1 is	1.12		1.50		0.80		1.29
23510381	transportin-1 isoform 2 [Homo sapiens]	1.12	0.22	1.03	0.74	0.96	0.39	0.98 0.87
4506613	60S ribosomal protein L22 proprotein [Homo sa	1.12	0.41	1.09	0.49	1.00	0.97	1.06 0.64
4503243	lanosterol 14-alpha demethylase isoform 1 prec	1.12	0.38	1.19	0.10	0.95	0.56	0.82 0.08
46367787	polyadenylate-binding protein 1 [Homo sapiens]	1.12	0.21	1.23	0.02	1.00	0.95	0.94 0.41



21361598	MAGUK p55 subfamily member 6 [Homo sapiens]	1.12	0.25	1.08	0.38	0.89	0.24	1.16	0.15
4557663	immunoglobulin-binding protein 1 [Homo sapiens]	1.12	0.51	0.99	0.94	1.04	0.77	0.80	0.26
4826686	ATP-dependent RNA helicase DDX1 [Homo sapiens]	1.12	0.09	1.11	0.10	1.09	0.08	1.14	0.02
4507375	tubulin-specific chaperone E [Homo sapiens]	1.12	0.22	1.09	0.46	1.14	0.34	0.92	0.64
7656952	calcyclin-binding protein isoform 1 [Homo sapiens]	1.12	0.12	1.33	0.00	0.84	0.03	1.22	0.02
94400932	syntaxin-5 isoform 1 [Homo sapiens]	1.12	0.47	0.97	0.83	0.98	0.89	1.13	0.44
87196351	ATP-dependent RNA helicase DDX3X isoform 1 [Homo sapiens]	1.12	0.13	1.17	0.09	1.05	0.53	0.83	0.23
8922944	protein lin-7 homolog C [Homo sapiens]	1.12	0.52	1.08	0.60	1.22	0.30	1.08	0.57
21361282	serine/arginine-rich splicing factor 4 [Homo sapiens]	1.12		1.21		1.20		1.69	
42544243	dynamamin-3 isoform a [Homo sapiens]	1.12		1.15		1.04		1.20	
1.34E+08	DIS3-like exonuclease 2 isoform 1 [Homo sapiens]	1.12	0.57	1.12	0.60	0.97	0.80	0.88	0.44
33946327	nuclear pore complex protein Nup214 [Homo sapiens]	1.12	0.31	1.16	0.20	1.04	0.68	1.19	0.22
4507357	transgelin-2 [Homo sapiens]	1.12	0.19	0.78	0.00	1.59	0.00	0.46	0.00
83267861	thymocyte nuclear protein 1 isoform 1 [Homo sapiens]	1.11		1.09		0.99		1.30	
30410796	proteasome activator complex subunit 3 isoform 1 [Homo sapiens]	1.11	0.08	1.29	0.00	0.98	0.76	1.04	0.50
21361120	calponin-1 [Homo sapiens]	1.11	0.09	1.92	0.00	3.67	0.00	0.79	0.30
83367083	cytochrome b-c1 complex subunit 8 [Homo sapiens]	1.11	0.32	0.93	0.61	0.98	0.84	1.43	0.06
3.33E+08	catenin delta-1 isoform 1AC [Homo sapiens]	1.11	0.04	1.11	0.22	1.44	0.01	1.03	0.83
6912586	6-phosphogluconolactonase [Homo sapiens]	1.11	0.19	1.23	0.04	0.96	0.54	0.99	0.90
1.58E+08	E3 ubiquitin-protein ligase HECTD3 [Homo sapiens]	1.11		1.22		1.23		1.12	
7662358	ectonucleotide pyrophosphatase/phosphodiesterase 1 [Homo sapiens]	1.11		1.27		0.40		1.39	
94681057	tyrosine--tRNA ligase, mitochondrial precursor [Homo sapiens]	1.11	0.19	1.04	0.51	1.08	0.23	1.20	0.31
3.39E+08	ADP-ribosylation factor GTPase-activating protein 1 [Homo sapiens]	1.11	0.32	1.09	0.40	0.97	0.77	1.29	0.12
15149465	caldesmon isoform 5 [Homo sapiens]	1.11	0.05	1.02	0.75	2.39	0.00	0.79	0.00
4506707	40S ribosomal protein S25 [Homo sapiens]	1.11	0.26	0.95	0.54	0.83	0.27	0.75	0.15
13129010	ADP-ribose pyrophosphatase, mitochondrial isoform 1 [Homo sapiens]	1.11	0.76	0.94	0.86	1.79	0.61	1.03	0.91
19923193	hsc70-interacting protein [Homo sapiens]	1.11	0.14	1.20	0.01	1.25	0.00	1.43	0.00
1.5E+08	supervillin isoform 2 [Homo sapiens]	1.11	0.22	0.76	0.01	1.33	0.00	1.35	0.03
24307969	cytoplasmic FMR1-interacting protein 1 isoform 1 [Homo sapiens]	1.11	0.12	1.02	0.76	0.94	0.37	1.03	0.75
1.18E+08	E3 ubiquitin-protein ligase HECTD1 [Homo sapiens]	1.11	0.21	1.12	0.20	1.12	0.14	1.13	0.11
1.94E+08	collagen type IV alpha-3-binding protein isoform 1 [Homo sapiens]	1.11		0.99		0.83		1.06	
1.18E+08	conserved oligomeric Golgi complex subunit 4 isoform 1 [Homo sapiens]	1.11	0.34	1.05	0.63	0.96	0.68	1.10	0.36
25777713	S-phase kinase-associated protein 1 isoform b [Homo sapiens]	1.11	0.24	1.21	0.08	1.05	0.52	1.10	0.46
22749415	dolichyl-diphosphooligosaccharide--protein glycosyltransferase 1 [Homo sapiens]	1.11	0.38	1.06	0.57	1.39	0.01	1.41	0.04
1.51E+08	thioredoxin-related transmembrane protein 1 precursor [Homo sapiens]	1.11	0.24	0.95	0.54	1.05	0.74	0.90	0.43
63252900	tropomyosin alpha-1 chain isoform 4 [Homo sapiens]	1.11	0.15	0.95	0.49	2.44	0.00	0.96	0.48
88853069	vitronectin precursor [Homo sapiens]	1.11	0.36	1.82	0.02	1.35	0.08	1.18	0.83
4758516	hepatoma-derived growth factor isoform a [Homo sapiens]	1.11	0.21	1.15	0.04	1.12	0.06	1.41	0.00
4506711	40S ribosomal protein S27 [Homo sapiens]	1.11	0.49	1.33	0.31	1.15	0.39	1.27	0.43
5729794	CUGBP Elav-like family member 1 isoform 1 [Homo sapiens]	1.11	0.30	1.49	0.04	1.34	0.08	1.43	0.33
66346698	alpha-N-acetylglucosaminidase precursor [Homo sapiens]	1.11	0.10	1.23	0.01	0.92	0.52	1.34	0.20
4507115	fascin [Homo sapiens]	1.11	0.26	1.21	0.00	1.43	0.00	1.03	0.55
22748747	protein LSM12 homolog [Homo sapiens]	1.11	0.52	1.22	0.49	1.23	0.30	1.30	0.52
1.12E+08	dnaJ homolog subfamily C member 13 [Homo sapiens]	1.11	0.43	1.08	0.65	0.83	0.28	0.93	0.71
5454002	deoxyribonucleoside 5'-monophosphate N-glycosyltransferase 1 [Homo sapiens]	1.11	0.33	1.15	0.14	0.77	0.03	1.08	0.34
34740329	heterogeneous nuclear ribonucleoprotein A3 [Homo sapiens]	1.11	0.49	1.31	0.03	1.12	0.23	1.54	0.03
1.18E+08	protein FAM127A [Homo sapiens]	1.11		1.18		0.94		1.28	
14028877	28S ribosomal protein S25, mitochondrial [Homo sapiens]	1.11		0.91		0.79		1.07	
4503269	deoxycytidine kinase [Homo sapiens]	1.11		1.81		0.64		0.80	
2.41E+08	serine/threonine-protein phosphatase 2A 56 kDa isoform 1 [Homo sapiens]	1.11		1.28		0.80		1.00	
1.18E+08	protein FAM177A1 isoform 1 precursor [Homo sapiens]	1.11	0.55	0.98	0.92	0.90	0.52	0.67	0.32
73486658	aspartate aminotransferase, mitochondrial precursor [Homo sapiens]	1.10	0.32	0.93	0.51	1.10	0.43	1.02	0.87
7662298	oxysterol-binding protein-related protein 2 isoform 1 [Homo sapiens]	1.10		0.98		1.15		1.39	
1.89E+08	syntaxin-binding protein 5 isoform b [Homo sapiens]	1.10		0.91		0.99		1.04	
82659087	double-stranded RNA-binding protein Staufen homolog 1 [Homo sapiens]	1.10	0.39	1.17	0.24	1.03	0.81	1.07	0.54
21361794	cullin-associated NEDD8-dissociated protein 1 [Homo sapiens]	1.10	0.02	1.09	0.06	1.04	0.58	1.22	0.00

75677353	ATPase family AAA domain-containing protein 3	1.10	0.57	1.12	0.58	1.40	0.52	1.33	0.36
5730085	dynein light chain Tctex-type 1 [Homo sapiens]	1.10		1.38		1.29		1.27	
17978477	vacuolar protein sorting-associated protein 11 h	1.10	0.50	1.00	1.00	0.81	0.52	1.15	0.65
2.96E+08	GPI transamidase component PIG-T isoform 2 f	1.10	0.47	1.26	0.25	1.05	0.74	1.18	0.27
91984773	NAD(P)H-hydrate epimerase precursor [Homo s	1.10	0.21	1.16	0.08	1.06	0.35	1.17	0.10
39780588	pre-rRNA-processing protein TSR1 homolog [H	1.10	0.59	1.18	0.42	0.83	0.38	0.82	0.36
15011918	renin receptor precursor [Homo sapiens]	1.10	0.51	1.15	0.39	0.96	0.77	0.76	0.23
4505371	NADH dehydrogenase [ubiquinone] iron-sulfur p	1.10	0.47	0.96	0.66	0.86	0.13	1.15	0.17
7019545	neudesin precursor [Homo sapiens]	1.10	0.62	1.40	0.47	0.94	0.85	0.96	0.83
45439359	triple functional domain protein [Homo sapiens]	1.10	0.43	1.08	0.40	1.47	0.01	1.06	0.43
3.88E+08	lamin-B2 [Homo sapiens]	1.10	0.03	1.16	0.00	1.18	0.00	1.66	0.00
1.46E+08	alpha-(1,3)-fucosyltransferase 11 precursor [Ho	1.10		1.11		0.82		1.47	
4506691	40S ribosomal protein S16 [Homo sapiens]	1.10	0.30	0.92	0.25	0.79	0.11	0.86	0.38
1.88E+08	medium-chain specific acyl-CoA dehydrogenase	1.10	0.36	1.06	0.52	0.87	0.25	1.41	0.05
20149498	ferritin light chain [Homo sapiens]	1.10		0.46		0.72		1.50	
38679914	N-alpha-acetyltransferase 25, NatB auxiliary sub	1.10		1.56		1.36		1.22	
4758528	hepatocyte growth factor-regulated tyrosine kin	1.10	0.21	0.96	0.61	0.95	0.68	0.91	0.20
1.97E+08	proteasome assembly chaperone 3 [Homo sapi	1.10		0.97		0.96		0.93	
22325372	ribonuclease P protein subunit p25-like protein [	1.10	0.68	0.97	0.90	0.82	0.30	0.78	0.56
7706339	peptidyl-prolyl cis-trans isomerase-like 1 [Homo	1.10	0.51	1.10	0.52	0.97	0.80	1.26	0.26
62953131	macrophage erythroblast attacher isoform 1 [Ho	1.10		1.38		1.23		1.25	
1.09E+08	ATP-binding cassette sub-family E member 1 [F	1.10	0.37	1.04	0.38	0.92	0.13	1.08	0.40
45267832	FAST kinase domain-containing protein 2 [Homo	1.10		1.00		0.86		1.19	
4507775	ubiquitin-conjugating enzyme E2 D2 isoform 1 [I	1.10	0.40	0.97	0.87	0.93	0.62	0.94	0.73
5032041	GTP-binding protein Rheb [Homo sapiens]	1.10	0.18	1.36	0.09	1.05	0.48	1.11	0.14
14141159	heterogeneous nuclear ribonucleoprotein H3 isc	1.10	0.73	1.30	0.33	0.95	0.78	1.23	0.43
1.1E+08	arf-GAP with GTPase, ANK repeat and PH dom	1.10		1.00		1.06		1.04	
9910382	mitochondrial import receptor subunit TOM22 hc	1.10	0.38	1.09	0.44	1.55	0.22	1.25	0.12
4506221	26S proteasome non-ATPase regulatory subuni	1.10	0.04	1.23	0.03	1.01	0.77	1.07	0.11
82546879	GTP-binding protein 1 [Homo sapiens]	1.10	0.38	1.17	0.20	0.93	0.50	1.18	0.18
4507943	exportin-1 [Homo sapiens]	1.10	0.06	1.21	0.00	1.03	0.56	1.27	0.00
16117791	60S ribosomal protein L35a [Homo sapiens]	1.10	0.58	0.90	0.32	0.80	0.05	0.75	0.26
5454038	synaptonemal complex protein SC65 precursor	1.10	0.55	0.85	0.28	0.81	0.23	1.00	0.98
38045942	NEDD8-activating enzyme E1 catalytic subunit i	1.10	0.54	1.15	0.45	1.21	0.32	1.10	0.52
1.56E+08	peroxisomal acyl-coenzyme A oxidase 3 isoform	1.10		1.27		1.34		0.57	
31982936	sphingosine-1-phosphate lyase 1 [Homo sapien	1.10	0.49	1.15	0.47	1.22	0.53	0.89	0.81
62739173	mRNA export factor [Homo sapiens]	1.10	0.29	1.16	0.13	1.24	0.30	1.23	0.06
1.1E+08	monoacylglycerol lipase ABHD12 isoform a [Ho	1.10	0.46	1.07	0.68	0.99	0.88	0.74	0.43
2.18E+08	chitinase domain-containing protein 1 isoform b	1.10	0.63	0.94	0.42	0.81	0.29	1.04	0.88
4503943	glutaryl-CoA dehydrogenase, mitochondrial isof	1.09	0.56	1.11	0.53	1.08	0.62	1.52	0.16
13540531	integrin-linked kinase-associated serine/threonin	1.09	0.31	1.22	0.08	0.90	0.26	0.85	0.52
11596859	39S ribosomal protein L17, mitochondrial [Homo	1.09	0.39	1.03	0.79	0.97	0.75	1.12	0.31
21361399	serine/threonine-protein phosphatase 2A 65 kDa	1.09	0.02	1.22	0.01	1.16	0.00	1.05	0.36
1.14E+08	nucleoprotein TPR [Homo sapiens]	1.09	0.11	1.33	0.00	1.18	0.00	1.48	0.00
4503729	peptidyl-prolyl cis-trans isomerase FKBP4 [Hom	1.09	0.05	1.15	0.01	1.03	0.43	1.12	0.02
7705925	L-xylulose reductase isoform 1 [Homo sapiens]	1.09	0.57	1.31	0.45	1.28	0.27	1.09	0.75
16554604	28S ribosomal protein S23, mitochondrial [Homo	1.09	0.44	1.06	0.55	1.01	0.89	1.17	0.19
40795665	ubiquitin carboxyl-terminal hydrolase 4 isoform	1.09		1.14		0.77		1.51	
2.17E+08	transforming growth factor-beta receptor-associ	1.09		1.10		1.04		1.14	
50409691	ADP-ribosylation factor-like protein 6-interacti	1.09		1.32		0.92		1.31	
4502581	caspase-7 isoform alpha precursor [Homo sapie	1.09	0.62	1.04	0.65	1.05	0.77	0.99	0.90
75750480	mitochondrial Rho GTPase 1 isoform 1 [Homo s	1.09	0.28	1.28	0.02	1.22	0.04	1.75	0.00
56682959	ferritin heavy chain [Homo sapiens]	1.09	0.80	0.67	0.49	0.63	0.37	1.01	0.95
1.2E+08	ATP-dependent (S)-NAD(P)H-hydrate dehydrat	1.09	0.54	1.12	0.47	1.04	0.77	1.39	0.19
71051616	uroporphyrinogen decarboxylase [Homo sapiens	1.09	0.35	0.98	0.80	0.83	0.34	1.24	0.07
3.32E+08	NSFL1 cofactor p47 isoform d [Homo sapiens]	1.09	0.32	1.21	0.02	0.99	0.90	1.15	0.06

7705429	proteasome maturation protein [Homo sapiens]	1.09	0.55	0.89	0.45	0.84	0.54	0.55	0.10
13129044	phosducin-like protein 3 [Homo sapiens]	1.09	0.55	1.45	0.25	0.95	0.74	0.56	0.38
2.23E+08	RRP12-like protein isoform 1 [Homo sapiens]	1.09	0.46	1.15	0.58	0.94	0.70	1.16	0.26
56699480	vacuolar fusion protein CCZ1 homolog [Homo s	1.09		1.21		0.81		0.93	
3.59E+08	biliverdin reductase A precursor [Homo sapiens]	1.09	0.28	1.09	0.23	1.11	0.17	0.84	0.08
5174529	S-adenosylmethionine synthase isoform type-2	1.09	0.31	1.10	0.46	0.80	0.02	0.87	0.18
3.12E+08	activating signal cointegrator 1 complex subunit	1.09	0.77	0.82	0.30	1.25	0.32	0.71	0.55
4504201	general transcription factor IIH subunit 4 [Homo	1.09		1.01		0.80		1.00	
62988355	coiled-coil domain-containing protein 58 [Homo	1.09		0.99		1.21		1.05	
1.54E+08	heat shock protein HSP 90-alpha isoform 1 [Hor	1.09	0.08	1.28	0.00	1.05	0.33	0.97	0.64
45331213	ran-binding protein 6 isoform 1 [Homo sapiens]	1.09		1.04		0.82		0.92	
4503519	eukaryotic translation initiation factor 3 subunit F	1.09	0.15	1.12	0.19	0.87	0.14	0.85	0.26
83641885	transcription factor BTF3 isoform A [Homo sapie	1.09		0.93		0.90		0.71	
4505531	oxysterol-binding protein 1 [Homo sapiens]	1.09	0.24	1.09	0.20	1.12	0.09	1.21	0.02
1.49E+08	DNA damage-binding protein 1 [Homo sapiens]	1.09	0.04	1.15	0.00	1.00	0.98	1.16	0.00
42476013	NHL repeat-containing protein 2 [Homo sapiens]	1.09	0.26	1.17	0.07	0.95	0.51	1.18	0.06
42794779	unconventional myosin-XVIIIa isoform b [Homo	1.09		1.09		1.01		1.06	
5453539	multifunctional protein ADE2 isoform 2 [Homo s	1.09	0.17	1.19	0.01	0.85	0.11	0.81	0.10
16903164	rho-related GTP-binding protein RhoJ precursor	1.09		0.59		0.56		0.79	
5174391	alcohol dehydrogenase [NADP(+)] [Homo sapie	1.09	0.13	0.92	0.13	0.98	0.64	1.27	0.01
74229029	F-box only protein 7 isoform 2 [Homo sapiens]	1.09		0.88		0.92		0.68	
18375632	large proline-rich protein BAG6 isoform b [Homc	1.08	0.53	1.20	0.13	0.91	0.27	0.93	0.60
12056473	sialic acid synthase [Homo sapiens]	1.08	0.62	0.96	0.76	1.03	0.68	1.25	0.00
41393547	neuroblastoma-amplified sequence [Homo sapi	1.08	0.19	1.07	0.34	1.12	0.10	0.99	0.93
1.71E+08	MMS19 nucleotide excision repair protein homo	1.08	0.19	1.05	0.52	1.05	0.64	0.99	0.93
1.57E+08	sorbitol dehydrogenase [Homo sapiens]	1.08		1.03		1.09		1.10	
18765729	synaptosomal-associated protein 23 isoform SN	1.08		1.16		1.36		1.19	
1.58E+08	WD repeat-containing protein 43 [Homo sapiens]	1.08	0.42	1.11	0.33	0.93	0.46	1.03	0.73
1.11E+08	C-type mannose receptor 2 precursor [Homo sa	1.08	0.07	1.11	0.08	1.56	0.00	1.97	0.00
78217386	rab GTPase-activating protein 1-like isoform A [	1.08	0.50	0.98	0.89	1.03	0.75	1.19	0.20
4507873	prefoldin subunit 3 [Homo sapiens]	1.08	0.43	1.18	0.18	1.01	0.89	1.00	0.99
3.83E+08	AMP deaminase 2 isoform 1 [Homo sapiens]	1.08	0.15	1.13	0.06	1.02	0.68	1.23	0.02
19924129	DNA repair protein RAD50 [Homo sapiens]	1.08	0.68	0.95	0.60	1.00	0.98	1.39	0.06
3.87E+08	40S ribosomal protein S3 isoform 2 [Homo sapi	1.08	0.35	0.99	0.80	0.84	0.03	0.89	0.03
4827071	cellular nucleic acid-binding protein isoform 3 [H	1.08	0.59	1.43	0.07	1.23	0.37	1.57	0.18
32483374	nucleolar protein 56 [Homo sapiens]	1.08	0.40	1.02	0.84	0.97	0.84	1.10	0.70
89886480	striatin-4 isoform 2 [Homo sapiens]	1.08		1.20		1.00		1.29	
2.91E+08	alpha-globin transcription factor CP2 isoform 2 [	1.08	0.56	1.12	0.33	1.01	0.95	0.84	0.30
1.33E+08	mediator of DNA damage checkpoint protein 1 [	1.08		1.38		0.87		1.01	
22547146	F-box/LRR-repeat protein 8 [Homo sapiens]	1.08		1.04		0.97		1.27	
1.91E+08	ubiquitin carboxyl-terminal hydrolase 8 [Homo s	1.08		1.29		1.29		1.21	
1.16E+08	YTH domain family protein 3 [Homo sapiens]	1.08	0.38	1.16	0.15	0.96	0.67	0.99	0.97
3.79E+08	sorcin isoform D [Homo sapiens]	1.08	0.46	1.16	0.23	0.91	0.39	1.10	0.58
1.54E+08	60S ribosomal protein L22-like 1 [Homo sapiens]	1.08		1.03		0.81		0.84	
2.22E+08	poly(rC)-binding protein 1 [Homo sapiens]	1.08	0.26	1.03	0.62	0.90	0.32	1.16	0.06
4507835	uridine 5'-monophosphate synthase [Homo sapi	1.08	0.47	1.02	0.86	0.84	0.23	0.98	0.83
5803040	transmembrane emp24 domain-containing prote	1.08	0.58	1.14	0.42	0.98	0.86	1.39	0.19
41281885	cytochrome b-c1 complex subunit 9 isoform a [F	1.08	0.78	0.90	0.63	1.06	0.68	1.47	0.35
4758788	NADH dehydrogenase [ubiquinone] iron-sulfur p	1.08	0.40	1.09	0.44	1.00	0.95	1.19	0.27
15431301	60S ribosomal protein L7 [Homo sapiens]	1.08	0.41	0.97	0.40	1.07	0.16	1.05	0.35
16596694	39S ribosomal protein L53, mitochondrial [Homc	1.08	0.59	1.01	0.95	1.03	0.86	1.38	0.19
45643129	guanine nucleotide-binding protein-like 3 isoform	1.08	0.85	0.99	0.98	0.99	0.98	0.65	0.69
3.34E+08	nardilysin isoform c [Homo sapiens]	1.08	0.48	0.99	0.96	0.91	0.37	0.86	0.25
4508005	tripartite motif-containing protein 26 [Homo sapi	1.08	0.85	1.06	0.86	0.87	0.64	1.12	0.75
4506623	60S ribosomal protein L27 [Homo sapiens]	1.08	0.24	0.95	0.53	0.76	0.00	0.85	0.08
14149653	torsin-1B precursor [Homo sapiens]	1.08	0.58	0.90	0.51	0.90	0.37	0.95	0.85

14110420	heterogeneous nuclear ribonucleoprotein D0	isc	1.08	0.51	1.16	0.08	1.17	0.02	1.49	0.00
56117852	cold shock domain-containing protein E1	isoform	1.08	0.13	1.13	0.01	1.03	0.57	0.76	0.00
1.72E+08	coiled-coil domain-containing protein 47	precursor	1.08	0.60	1.04	0.76	0.87	0.41	0.66	0.23
7019485	programmed cell death protein 6	isoform 1 [Homo sapiens]	1.08	0.68	1.06	0.52	0.85	0.13	1.26	0.13
13654237	DNA-dependent protein kinase catalytic subunit	1.08	0.01	1.35	0.00	1.04	0.12	1.25	0.00	
44680154	myotubularin-related protein 2	isoform 1 [Homo sapiens]	1.08		1.19		1.27		1.02	
55769546	p21-activated protein kinase-interacting protein	1.07		1.01		0.72		1.10		
1.1E+08	collagen alpha-1(I) chain prepropeptide	[Homo sapiens]	1.07	0.44	3.91	0.00	2.01	0.00	2.05	0.00
38373690	COP9 signalosome complex subunit 4	isoform 11.07	0.18	1.05	0.36	1.01	0.84	1.02	0.73	
4507145	sorting nexin-4	[Homo sapiens]	1.07	0.71	1.14	0.47	1.33	0.22	1.21	0.31
4506921	small glutamine-rich tetratricopeptide repeat-containing protein 1	1.07	0.41	1.27	0.20	1.14	0.19	1.19	0.10	
71040111	fibromodulin precursor	[Homo sapiens]	1.07	0.87	0.87	0.80	0.83	0.16	4.52	0.13
13775200	splicing factor 3B subunit 5	[Homo sapiens]	1.07	0.60	1.27	0.25	1.19	0.52	1.34	0.42
50428925	tubulin-folding cofactor B	[Homo sapiens]	1.07	0.26	1.40	0.00	1.19	0.02	1.00	1.00
16418381	vacuolar protein sorting-associated protein 26B	1.07		1.12		1.13		1.07		
55743096	collagen alpha-1(XIV) chain precursor	[Homo sapiens]	1.07	0.41	1.06	0.49	0.86	0.49	3.94	0.01
31563330	A-kinase anchor protein 13	isoform 1 [Homo sapiens]	1.07	0.81	0.90	0.51	1.17	0.62	1.30	0.43
8923427	OCIA domain-containing protein 1	isoform 1 [Homo sapiens]	1.07	0.36	1.09	0.26	0.90	0.68	0.99	0.97
3.88E+08	AP-3 complex subunit delta-1	isoform 3 [Homo sapiens]	1.07	0.62	0.90	0.10	1.06	0.31	0.92	0.20
7661910	ER membrane protein complex subunit 2	[Homo sapiens]	1.07	0.51	1.09	0.43	1.07	0.50	1.03	0.79
1.03E+08	ubiquitin-conjugating enzyme E2 variant 3	isoform 1.07	0.61	1.26	0.26	0.87	0.39	1.19	0.33	
4826960	glutamine--tRNA ligase	isoform a [Homo sapiens]	1.07	0.06	0.99	0.75	0.98	0.65	0.92	0.25
10835073	glycylpeptide N-tetradecanoyltransferase 1	[Homo sapiens]	1.07	0.29	1.07	0.40	1.01	0.96	0.94	0.69
6005846	twinfilin-2	[Homo sapiens]	1.07	0.59	1.00	0.99	1.04	0.74	0.82	0.11
20270303	mitochondrial Rho GTPase 2	[Homo sapiens]	1.07		1.01		1.02		1.11	
45827771	enhancer of mRNA-decapping protein 4	[Homo sapiens]	1.07	0.39	1.11	0.12	0.89	0.10	1.19	0.08
7705823	N-alpha-acetyltransferase 20	isoform a [Homo sapiens]	1.07		0.86		0.83		0.83	
32698866	kinetochore protein Spc24	[Homo sapiens]	1.07		1.40		0.75		0.77	
24308039	E3 UFM1-protein ligase 1	[Homo sapiens]	1.07	0.31	1.04	0.56	1.08	0.51	1.08	0.93
4826848	NADH dehydrogenase [ubiquinone] 1	alpha subunit 1.07		1.45		1.47		1.18		
1.57E+08	pyruvate dehydrogenase E1 component	subunit 1.07	0.28	1.05	0.50	1.13	0.07	1.37	0.00	
1.27E+08	NADPH--cytochrome P450 reductase	[Homo sapiens]	1.07	0.34	1.22	0.01	1.02	0.77	1.13	0.09
13899231	39S ribosomal protein L9, mitochondrial	[Homo sapiens]	1.07		1.11		1.20		1.17	
7705997	ER membrane protein complex subunit 4	[Homo sapiens]	1.07	0.64	1.11	0.49	1.19	0.34	1.01	0.93
50428938	ATPase ASNA1	[Homo sapiens]	1.07	0.39	1.19	0.05	0.90	0.20	0.97	0.79
1.58E+08	nucleolar complex protein 2	homolog [Homo sapiens]	1.07	0.63	0.91	0.53	0.74	0.21	0.55	0.38
2.68E+08	SET and MYND domain-containing protein 3	isoform 1.07		1.14		0.93		0.22		
38045948	ubiquitin-like modifier-activating enzyme 7	[Homo sapiens]	1.07		0.91		0.86		1.69	
9966849	fructose-2,6-bisphosphatase TIGAR	[Homo sapiens]	1.07	0.69	0.91	0.70	1.12	0.45	0.70	0.54
9845297	diablo homolog, mitochondrial	isoform 1 precursor 1.07	0.57	1.04	0.71	1.24	0.09	1.26	0.10	
55770900	ribosome biogenesis protein BRX1	homolog [Homo sapiens]	1.07	0.43	0.99	0.92	0.89	0.30	0.93	0.33
3.04E+08	yorkie homolog	isoform 3 [Homo sapiens]	1.07	0.66	1.05	0.90	1.05	0.83	1.31	0.25
24497620	signal recognition particle 68 kDa protein	isoform 1.07	0.28	1.03	0.64	0.95	0.40	1.05	0.40	
5031923	double-strand break repair protein MRE11A	isoform 1.07	0.54	1.04	0.80	0.95	0.65	1.14	0.36	
1.55E+08	proline-, glutamic acid- and leucine-rich protein	1.07	0.52	0.98	0.83	0.87	0.23	1.11	0.51	
23397429	eukaryotic translation initiation factor 3	subunit M1.07	0.38	1.10	0.31	0.93	0.54	0.74	0.08	
1.34E+08	protein kinase C iota type	[Homo sapiens]	1.07	0.65	1.08	0.60	1.29	0.25	1.07	0.77
1.15E+08	protein PRRC2C	[Homo sapiens]	1.07	0.52	1.16	0.21	1.07	0.50	1.07	0.47
3.72E+08	transmembrane and coiled-coil domain-containing protein 1	1.07	0.67	1.00	0.97	1.11	0.35	1.00	0.98	
4.41E+08	ubiquitin carboxyl-terminal hydrolase 10	isoform 1.07	0.45	1.07	0.45	1.04	0.65	0.87	0.29	
4557831	pterin-4-alpha-carbinolamine dehydratase	precursor 1.06	0.52	0.85	0.18	0.95	0.62	1.24	0.12	
63055059	SH3 and PX domain-containing protein 2B	[Homo sapiens]	1.06	0.81	1.41	0.23	0.91	0.65	1.29	0.38
1.15E+08	4-trimethylaminobutyraldehyde dehydrogenase	1.06	0.25	1.41	0.00	1.02	0.70	1.08	0.43	
1.12E+08	dnaJ homolog subfamily C member 8	[Homo sapiens]	1.06	0.59	1.17	0.21	1.04	0.66	1.43	0.02
11545859	Golgi phosphoprotein 3	[Homo sapiens]	1.06	0.65	1.10	0.53	1.11	0.49	1.26	0.43
55770844	catenin alpha-1	[Homo sapiens]	1.06	0.10	1.05	0.40	1.27	0.00	0.97	0.67

9506931	probable ATP-dependent RNA helicase DDX56	1.06	0.74	0.96	0.79	0.86	0.25	0.83	0.35
5031749	non-histone chromosomal protein HMG-17 [Homo sapiens]	1.06	0.83	1.65	0.16	0.87	0.75	2.60	0.15
7657345	mitochondrial carrier homolog 1 PSAP-LS [Homo sapiens]	1.06	0.55	1.11	0.61	1.21	0.45	1.19	0.52
51873064	lysosomal alpha-mannosidase isoform 1 precursor [Homo sapiens]	1.06	0.32	1.16	0.04	0.95	0.57	1.05	0.72
55769543	39S ribosomal protein L14, mitochondrial [Homo sapiens]	1.06	0.77	0.86	0.51	0.93	0.89	1.07	0.97
4557541	torsin-1A precursor [Homo sapiens]	1.06		0.94		1.27		0.85	
1.68E+08	laminin subunit beta-1 precursor [Homo sapiens]	1.06	0.26	1.14	0.00	1.50	0.00	0.84	0.02
4758302	enhancer of rudimentary homolog [Homo sapiens]	1.06	0.51	1.21	0.14	1.06	0.53	1.51	0.01
1.16E+08	serine/threonine-protein kinase MRCK beta [Homo sapiens]	1.06		1.32		1.18		1.62	
21361361	acetolactate synthase-like protein [Homo sapiens]	1.06	0.49	1.16	0.14	1.29	0.04	1.16	0.39
18375676	regulator of nonsense transcripts 2 [Homo sapiens]	1.06	0.75	0.96	0.84	0.89	0.80	1.14	0.69
2.57E+08	WD repeat-containing protein 46 isoform 1 [Homo sapiens]	1.06		1.16		0.99		1.18	
4502027	serum albumin preproprotein [Homo sapiens]	1.06		1.02		1.49		1.09	
29029559	exportin-2 isoform 1 [Homo sapiens]	1.06	0.19	1.08	0.29	0.86	0.05	0.99	0.93
64085377	insulin-like growth factor 2 mRNA-binding protein 1 [Homo sapiens]	1.06	0.27	1.07	0.34	1.54	0.00	1.45	0.00
2.22E+08	C-1-tetrahydrofolate synthase, cytoplasmic [Homo sapiens]	1.06	0.12	1.19	0.00	0.79	0.00	1.02	0.72
1.56E+08	ADP/ATP translocase 2 [Homo sapiens]	1.06	0.92	1.09	0.86	1.06	0.90	1.38	0.49
71772415	40S ribosomal protein S15a [Homo sapiens]	1.06	0.57	1.03	0.75	0.89	0.14	0.94	0.64
54607047	glucosylceramidase isoform 1 precursor [Homo sapiens]	1.06	0.28	0.88	0.10	0.75	0.02	1.00	0.97
23308579	prostaglandin E synthase 3 [Homo sapiens]	1.06	0.62	1.15	0.29	1.03	0.78	1.23	0.18
55741641	kinase D-interacting substrate of 220 kDa [Homo sapiens]	1.06	0.88	1.22	0.70	0.95	0.93	0.92	0.81
92859701	unconventional myosin-VI [Homo sapiens]	1.06	0.71	0.98	0.86	1.42	0.01	1.05	0.62
89363017	collagen alpha-2(V) chain preproprotein [Homo sapiens]	1.06	0.55	2.09	0.14	1.35	0.08	2.48	0.09
20270355	aldose 1-epimerase [Homo sapiens]	1.06	0.57	1.13	0.27	1.02	0.83	1.47	0.04
1.94E+08	tubulin-specific chaperone cofactor E-like protein [Homo sapiens]	1.06		1.06		0.96		1.22	
95113651	glutaredoxin-3 [Homo sapiens]	1.06	0.49	0.99	0.94	0.84	0.50	0.77	0.62
3.04E+08	GDP-Man:Man(3)GlcNAc(2)-PP-Dol alpha-1,2-nanase [Homo sapiens]	1.06	0.81	1.15	0.46	1.10	0.79	1.26	0.14
21264315	EH domain-containing protein 4 [Homo sapiens]	1.06	0.68	1.25	0.27	1.13	0.68	1.15	0.50
21618342	signal transducer and activator of transcription 5 [Homo sapiens]	1.06		1.26		1.10		1.29	
2.95E+08	serine/threonine-protein phosphatase 2A 55 kDa isoform 1 [Homo sapiens]	1.06	0.35	0.99	0.84	1.13	0.07	0.92	0.15
1.14E+08	protein MON2 homolog [Homo sapiens]	1.06	0.50	1.09	0.24	1.06	0.26	1.10	0.27
26051229	39S ribosomal protein L28, mitochondrial [Homo sapiens]	1.06	0.70	1.03	0.83	1.02	0.84	1.21	0.27
9945306	microsomal glutathione S-transferase 1 isoform 1 [Homo sapiens]	1.06		0.89		0.92		0.83	
4506195	proteasome subunit beta type-2 isoform 1 [Homo sapiens]	1.05	0.54	1.05	0.47	1.02	0.84	0.96	0.59
4504061	N-acetylglucosamine-6-sulfatase precursor [Homo sapiens]	1.05	0.36	1.25	0.01	0.85	0.12	1.55	0.00
1.87E+08	peripheral plasma membrane protein CASK isoform 1 [Homo sapiens]	1.05	0.76	1.12	0.45	1.47	0.09	1.14	0.73
83921602	putative sodium-coupled neutral amino acid transporter 1 [Homo sapiens]	1.05		1.32		1.39		1.25	
51479156	ATP synthase subunit g, mitochondrial [Homo sapiens]	1.05	0.59	0.94	0.59	0.89	0.64	0.97	0.93
10190720	nmrA-like family domain-containing protein 1 [Homo sapiens]	1.05		1.00		0.83		0.69	
2.2E+08	partner of Y14 and mago isoform 2 [Homo sapiens]	1.05		1.08		1.25		1.21	
56117840	sphingomyelin phosphodiesterase isoform 1 precursor [Homo sapiens]	1.05	0.49	0.74	0.02	0.53	0.01	0.93	0.46
7706326	pre-mRNA branch site protein p14 [Homo sapiens]	1.05	0.78	1.27	0.39	1.23	0.46	1.60	0.36
17158023	protein FAM207A [Homo sapiens]	1.05	0.90	1.16	0.51	0.83	0.63	0.84	0.54
24308073	tyrosine-protein phosphatase non-receptor type 1 [Homo sapiens]	1.05	0.85	0.98	0.94	0.77	0.40	1.26	0.43
5453974	serine/threonine-protein kinase N2 [Homo sapiens]	1.05		0.99		1.78		1.32	
4507449	ADP-ribosylation factor-related protein 1 isoform 1 [Homo sapiens]	1.05		0.77		0.80		0.91	
14719402	ribosome biogenesis regulatory protein homolog 1 [Homo sapiens]	1.05		1.20		0.92		1.03	
13654276	queuine tRNA-ribosyltransferase [Homo sapiens]	1.05		1.20		0.99		1.25	
22547134	39S ribosomal protein L37, mitochondrial [Homo sapiens]	1.05	0.62	1.05	0.61	1.06	0.54	0.95	0.85
4503513	eukaryotic translation initiation factor 3 subunit I [Homo sapiens]	1.05	0.60	1.02	0.78	0.95	0.48	0.93	0.35
78000183	60S ribosomal protein L14 [Homo sapiens]	1.05	0.40	1.04	0.57	0.91	0.29	0.89	0.20
14149904	anthrax toxin receptor 1 isoform 1 precursor [Homo sapiens]	1.05	0.56	0.94	0.46	0.78	0.09	1.12	0.40
1.18E+08	mitochondrial ribonuclease P protein 1 precursor [Homo sapiens]	1.05	0.80	1.04	0.79	0.99	0.89	1.09	0.41
3.84E+08	NADPH:adrenodoxin oxidoreductase, mitochondrial [Homo sapiens]	1.05	0.46	1.01	0.88	1.36	0.09	0.86	0.07
3.25E+08	calcium/calmodulin-dependent protein kinase type 1 [Homo sapiens]	1.05		1.08		0.90		1.13	
83267879	translation initiation factor eIF-2B subunit epsilon [Homo sapiens]	1.05	0.74	1.01	0.96	1.03	0.86	1.03	0.97

6715568	serine/threonine-protein phosphatase 2B cataly	1.05	0.63	0.83	0.17	1.07	0.52	1.10	0.46
20270367	mitochondrial translocator assembly and mainte	1.05		0.96		1.03		1.41	
1.49E+08	G-rich sequence factor 1 isoform 1 [Homo sapie	1.05	0.57	1.54	0.01	0.87	0.24	0.81	0.27
28466983	prolyl 3-hydroxylase 3 precursor [Homo sapiens	1.05	0.49	0.74	0.01	0.64	0.05	0.95	0.79
3.59E+08	solute carrier family 52, riboflavin transporter, m	1.05		1.13		0.94		1.03	
40807357	long-chain fatty acid transport protein 4 [Homo ε	1.05	0.63	0.99	0.92	0.88	0.26	0.62	0.15
66348165	transmembrane protein 209 [Homo sapiens]	1.05		0.96		1.16		1.22	
1.98E+08	derlin-1 isoform b [Homo sapiens]	1.05		1.00		1.06		0.53	
1.49E+08	serine-threonine kinase receptor-associated pro	1.05	0.39	1.09	0.14	1.10	0.10	0.83	0.03
10863977	U6 snRNA-associated Sm-like protein LSm2 [Hκ	1.05	0.71	1.07	0.58	1.06	0.54	1.20	0.38
30065643	serine/threonine-protein phosphatase 2A activat	1.05	0.65	1.07	0.32	1.00	0.99	1.20	0.23
2.56E+08	serine/threonine-protein phosphatase 6 regulatc	1.05	0.63	1.10	0.37	1.11	0.47	0.96	0.65
55956788	nucleolin [Homo sapiens]	1.05	0.36	1.12	0.01	0.97	0.36	1.25	0.00
2.59E+08	KN motif and ankyrin repeat domain-containing	1.05	0.80	0.75	0.21	0.73	0.44	1.60	0.38
2.21E+08	prohibitin-2 isoform 1 [Homo sapiens]	1.05	0.56	1.03	0.67	1.22	0.01	1.48	0.00
70980547	rabenosyn-5 [Homo sapiens]	1.05		1.53		1.71		1.90	
32306539	UPF0368 protein Cxorf26 [Homo sapiens]	1.05	0.63	1.14	0.06	0.90	0.20	1.06	0.71
1.18E+08	U3 small nucleolar RNA-associated protein 18 f	1.05	0.81	1.16	0.51	0.83	0.32	0.95	0.69
4506701	40S ribosomal protein S23 [Homo sapiens]	1.04	0.85	0.72	0.07	0.86	0.51	0.80	0.25
1.87E+08	28S ribosomal protein S27, mitochondrial [Homκ	1.04	0.73	0.98	0.88	1.55	0.13	1.20	0.19
22035590	39S ribosomal protein L24, mitochondrial [Homκ	1.04	0.77	1.10	0.58	1.06	0.69	1.31	0.26
4826730	serine/threonine-protein kinase mTOR [Homo sκ	1.04	0.61	1.04	0.59	0.89	0.07	1.09	0.29
67782362	ATP-dependent RNA helicase DHX29 [Homo sκ	1.04	0.63	1.13	0.23	1.11	0.26	1.23	0.17
7705827	GTP-binding protein SAR1b [Homo sapiens]	1.04	0.77	1.00	1.00	1.04	0.77	0.99	0.98
5031703	ras GTPase-activating protein-binding protein 1	1.04	0.56	1.01	0.89	0.94	0.52	0.84	0.31
4.32E+08	dedicator of cytokinesis protein 7 isoform 1 [Hor	1.04	0.64	1.12	0.23	1.07	0.35	1.01	0.96
27436908	39S ribosomal protein L54, mitochondrial [Homκ	1.04		1.01		0.97		1.34	
39930351	dynamin-binding protein [Homo sapiens]	1.04		0.87		0.80		0.18	
5803137	putative RNA-binding protein 3 [Homo sapiens]	1.04	0.75	1.28	0.16	0.91	0.30	0.87	0.52
42476296	tropomyosin beta chain isoform 1 [Homo sapien	1.04		1.45		2.10		1.18	
4503529	eukaryotic initiation factor 4A-I isoform 1 [Homo	1.04	0.77	1.07	0.66	0.99	0.88	0.80	0.12
4758148	DNA fragmentation factor subunit alpha isoform	1.04	0.85	1.07	0.55	0.93	0.46	0.89	0.44
27777661	keratinocyte-associated protein 2 [Homo sapien	1.04		1.02		1.00		1.23	
25777615	26S proteasome non-ATPase regulatory subuni	1.04	0.70	0.87	0.20	0.84	0.28	0.87	0.44
4758756	nucleosome assembly protein 1-like 1 [Homo sκ	1.04	0.64	1.19	0.03	0.88	0.08	0.94	0.47
1.57E+08	26S proteasome non-ATPase regulatory subuni	1.04	0.65	0.96	0.49	0.91	0.33	0.80	0.08
4885371	histone H1.0 [Homo sapiens]	1.04	0.91	1.42	0.34	1.16	0.57	3.27	0.06
54607135	mitochondrial import receptor subunit TOM70 [H-	1.04	0.63	0.96	0.58	0.99	0.85	1.14	0.18
7662647	phosphatidylserine synthase 1 [Homo sapiens]	1.04	0.77	0.86	0.38	0.74	0.36	0.47	0.16
30089937	transmembrane protein 132A isoform b precurs	1.04		0.91		0.61		0.81	
2.41E+08	conserved oligomeric Golgi complex subunit 5 is	1.04	0.76	0.80	0.27	0.50	0.39	0.53	0.36
45269137	mitofusin-1 [Homo sapiens]	1.04	0.79	0.95	0.73	1.02	0.87	0.57	0.13
7705963	ras-related protein Rab-9B [Homo sapiens]	1.04		1.23		0.84		1.50	
4501867	aconitate hydratase, mitochondrial precursor [H-	1.04	0.50	1.07	0.26	1.10	0.16	1.22	0.02
56549121	dynamin-2 isoform 1 [Homo sapiens]	1.04	0.53	1.03	0.73	1.21	0.00	1.15	0.19
25306275	39S ribosomal protein L11, mitochondrial isofor	1.04	0.77	0.97	0.80	0.93	0.61	1.02	0.90
1.89E+08	vacuolar protein sorting-associated protein 53 h	1.04	0.66	1.11	0.25	0.88	0.21	0.99	0.92
1.9E+08	pyridoxal-dependent decarboxylase domain-con	1.04	0.53	0.98	0.77	0.89	0.10	0.96	0.54
27262649	ataxin-2-like protein isoform C [Homo sapiens]	1.04	0.73	1.09	0.38	1.04	0.64	1.06	0.63
40255009	zinc transporter 7 [Homo sapiens]	1.04		0.87		1.01		1.10	
34878787	E3 ubiquitin-protein ligase RNF25 [Homo sapier	1.04		0.97		1.26		0.80	
1.11E+08	ribosome-binding protein 1 [Homo sapiens]	1.04	0.35	0.83	0.00	0.98	0.51	1.19	0.00
6912478	importin subunit alpha-7 [Homo sapiens]	1.04	0.70	0.99	0.93	0.95	0.45	0.86	0.16
1.17E+08	tight junction protein ZO-1 isoform a [Homo sapi	1.04	0.73	1.13	0.14	1.06	0.41	1.31	0.03
1.16E+08	protein transport protein Sec24A isoform 1 [Hon	1.04	0.75	1.06	0.46	1.20	0.03	1.25	0.01
2.25E+08	transmembrane protein 33 [Homo sapiens]	1.04	0.78	1.07	0.63	1.08	0.56	0.68	0.17

13489054	dual specificity mitogen-activated protein kinase	1.04	0.78	1.00	0.99	0.99	0.92	1.14	0.41
92091586	myosin-11 isoform SM1B [Homo sapiens]	1.04		0.79		2.13		1.14	
4507401	transcription factor A, mitochondrial isoform 1 precursor	1.04	0.72	1.14	0.25	1.12	0.32	1.64	0.03
8922532	regulator of microtubule dynamics protein 3 [Homo sapiens]	1.04		1.06		1.10		0.97	
40254924	leucine-rich repeat-containing protein 59 [Homo sapiens]	1.04	0.64	0.85	0.02	0.91	0.13	0.95	0.39
38027923	COP9 signalosome complex subunit 5 [Homo sapiens]	1.04	0.73	1.04	0.50	0.94	0.27	1.12	0.07
8922886	ATP-dependent RNA helicase DDX19A [Homo sapiens]	1.03	0.63	1.11	0.07	1.01	0.93	1.17	0.25
26667177	39S ribosomal protein L46, mitochondrial [Homo sapiens]	1.03		0.95		1.06		0.94	
3.55E+08	protein scribble homolog isoform b [Homo sapiens]	1.03	0.79	1.17	0.36	1.14	0.41	1.06	0.89
14702180	eukaryotic translation initiation factor 4H isoform 1 [Homo sapiens]	1.03	0.52	1.20	0.01	1.20	0.01	1.09	0.26
4506715	40S ribosomal protein S28 [Homo sapiens]	1.03	0.70	1.05	0.58	0.96	0.62	0.95	0.67
4503583	epoxide hydrolase 1 precursor [Homo sapiens]	1.03	0.75	1.06	0.45	1.13	0.21	1.80	0.00
7019415	protein transport protein Sec61 subunit alpha isoform 1 [Homo sapiens]	1.03	0.64	0.98	0.79	1.12	0.07	1.15	0.06
34098946	nuclease-sensitive element-binding protein 1 [Homo sapiens]	1.03	0.82	1.04	0.72	0.92	0.32	0.90	0.37
16418349	cob(II)yrinic acid a,c-diamide adenosyltransferase 1 [Homo sapiens]	1.03		0.85		1.07		1.75	
14591904	ATP-dependent DNA helicase Q1 [Homo sapiens]	1.03	0.51	0.94	0.22	0.91	0.04	1.27	0.00
2.9E+08	eukaryotic translation initiation factor 4 gamma 2 [Homo sapiens]	1.03	0.62	1.21	0.00	1.08	0.04	0.93	0.51
1.97E+08	IQ motif and SEC7 domain-containing protein 1 [Homo sapiens]	1.03		0.95		0.82		1.18	
5730031	secretory carrier-associated membrane protein 1 [Homo sapiens]	1.03		1.01		1.09		1.26	
34485722	importin subunit alpha-3 [Homo sapiens]	1.03	0.83	1.17	0.38	1.08	0.61	1.02	0.91
27735029	MOB kinase activator 1B isoform 2 [Homo sapiens]	1.03	0.83	1.18	0.37	1.23	0.30	1.24	0.78
4758504	3-hydroxyacyl-CoA dehydrogenase type-2 isoform 1 [Homo sapiens]	1.03	0.68	1.09	0.12	1.09	0.12	1.32	0.02
67944630	60S ribosomal protein L9 [Homo sapiens]	1.03	0.81	0.91	0.17	0.90	0.15	0.84	0.26
4503915	trifunctional purine biosynthetic protein adenosyltransferase 1 [Homo sapiens]	1.03	0.53	1.00	0.95	0.85	0.03	0.96	0.78
57527756	protein odr-4 homolog isoform 1 [Homo sapiens]	1.03		1.02		1.16		1.02	
20162550	protein phosphatase 1 regulatory subunit 14B [Homo sapiens]	1.03	0.79	1.09	0.45	1.01	0.89	0.87	0.42
1.94E+08	AP-1 complex subunit mu-1 isoform 1 [Homo sapiens]	1.03	0.79	1.05	0.80	1.02	0.86	0.86	0.41
24797086	importin-5 [Homo sapiens]	1.03	0.67	0.95	0.64	0.69	0.00	0.70	0.00
1.57E+08	vesicle-fusing ATPase [Homo sapiens]	1.03	0.52	1.02	0.68	1.05	0.22	1.21	0.00
4506753	ruvB-like 1 [Homo sapiens]	1.03	0.73	1.13	0.07	0.89	0.32	0.94	0.61
47419930	chondroitin sulfate proteoglycan 4 precursor [Homo sapiens]	1.03	0.89	1.31	0.34	0.75	0.39	0.61	0.13
1.49E+08	nucleolar and coiled-body phosphoprotein 1 [Homo sapiens]	1.03	0.82	1.18	0.21	1.04	0.70	1.35	0.17
49472822	eukaryotic translation initiation factor 3 subunit C [Homo sapiens]	1.03	0.67	1.14	0.11	0.97	0.62	0.95	0.95
38327625	citrate synthase, mitochondrial precursor [Homo sapiens]	1.03	0.59	1.00	0.92	1.31	0.00	1.26	0.05
4504975	low-density lipoprotein receptor isoform 1 precursor [Homo sapiens]	1.03	0.86	0.83	0.26	1.48	0.24	0.75	0.16
8051608	heme oxygenase 2 [Homo sapiens]	1.03	0.84	0.97	0.86	0.95	0.81	0.86	0.84
2.69E+08	beta-glucuronidase precursor [Homo sapiens]	1.03	0.83	1.43	0.17	0.78	0.24	0.67	0.22
7019477	serine protease HTRA2, mitochondrial isoform 11 [Homo sapiens]	1.03	0.91	0.91	0.63	0.65	0.40	0.88	0.81
42544174	thymidylate kinase isoform 1 [Homo sapiens]	1.03	0.91	0.99	0.95	0.94	0.51	0.98	0.77
5454090	translocon-associated protein subunit delta isoform 1 [Homo sapiens]	1.03	0.89	0.86	0.17	1.11	0.33	1.13	0.25
4885585	SUMO-activating enzyme subunit 1 isoform a [Homo sapiens]	1.03	0.85	1.22	0.13	0.76	0.02	1.05	0.71
1.24E+08	protein transport protein Sec16A isoform 1 [Homo sapiens]	1.03	0.89	1.08	0.72	1.07	0.65	1.09	0.57
1.67E+08	retinol dehydrogenase 11 isoform 1 precursor [Homo sapiens]	1.03	0.85	1.02	0.86	1.18	0.18	0.90	0.48
4503509	eukaryotic translation initiation factor 3 subunit A [Homo sapiens]	1.03	0.49	1.08	0.04	0.96	0.23	0.89	0.00
1.88E+08	ubiquitin-associated protein 2-like isoform a [Homo sapiens]	1.03	0.71	1.08	0.27	1.13	0.05	1.06	0.26
6005862	39S ribosomal protein L3, mitochondrial [Homo sapiens]	1.03	0.81	1.00	0.96	0.97	0.76	1.15	0.24
4557032	L-lactate dehydrogenase B chain [Homo sapiens]	1.02	0.64	1.08	0.15	0.84	0.01	0.84	0.01
56606127	regulator complex protein LAMTOR4 [Homo sapiens]	1.02		1.03		0.84		1.27	
1.87E+08	28S ribosomal protein S31, mitochondrial [Homo sapiens]	1.02	0.86	0.96	0.80	1.04	0.79	1.06	0.66
63162572	T-complex protein 1 subunit gamma isoform a [Homo sapiens]	1.02	0.72	1.03	0.57	0.92	0.38	0.80	0.08
6912280	activator of 90 kDa heat shock protein ATPase 1 [Homo sapiens]	1.02	0.68	1.14	0.16	0.94	0.36	0.99	0.92
4885217	DNA repair endonuclease XPF [Homo sapiens]	1.02		0.85		1.05		1.16	
5292161	26S proteasome non-ATPase regulatory subunit 1 [Homo sapiens]	1.02	0.78	1.00	0.97	1.00	0.99	0.98	0.79
1.71E+08	protein-associating with the carboxyl-terminal domain of p53 [Homo sapiens]	1.02	0.90	0.97	0.84	1.12	0.48	0.77	0.27
5729779	COP9 signalosome complex subunit 8 isoform 11 [Homo sapiens]	1.02	0.87	1.11	0.36	0.90	0.60	1.06	0.59
61835148	fragile X mental retardation syndrome-related protein 1 [Homo sapiens]	1.02	0.77	0.97	0.69	1.17	0.10	0.96	0.78

4503483	elongation factor 2 [Homo sapiens]	1.02	0.63	0.97	0.47	0.85	0.02	0.71	0.00
82775371	coiled-coil domain-containing protein 93 [Homo	1.02	0.89	0.90	0.59	0.87	0.46	1.07	0.75
38373671	protein transport protein Sec24C [Homo sapiens]	1.02	0.73	0.88	0.10	0.89	0.16	0.83	0.06
2.65E+08	xaa-Pro aminopeptidase 1 isoform 2 [Homo sap	1.02	0.70	1.00	0.95	1.08	0.15	1.06	0.39
51100978	protein tweety homolog 3 [Homo sapiens]	1.02	0.87	1.84	0.15	0.78	0.24	1.75	0.13
1.23E+08	NAD(P) transhydrogenase, mitochondrial [Homo	1.02	0.71	0.97	0.45	1.12	0.04	1.49	0.00
7706322	UPF0568 protein C14orf166 [Homo sapiens]	1.02	0.85	0.93	0.44	1.01	0.95	1.01	0.96
6996014	histidine--tRNA ligase, cytoplasmic isoform 1 [H	1.02	0.71	0.94	0.29	1.03	0.45	0.93	0.37
2.25E+08	dynamamin-like 120 kDa protein, mitochondrial iso	1.02	0.75	0.97	0.58	1.11	0.17	1.10	0.19
4504327	trifunctional enzyme subunit beta, mitochondrial	1.02	0.77	0.86	0.03	1.05	0.42	1.15	0.14
41393599	coproporphyrinogen-III oxidase, mitochondrial p	1.02	0.77	0.79	0.01	0.98	0.81	1.08	0.27
5453634	cytoplasmic dynein 1 light intermediate chain 2	1.02	0.77	1.04	0.68	1.44	0.02	1.66	0.06
2.56E+08	lipase maturation factor 2 [Homo sapiens]	1.02	0.93	0.98	0.82	0.85	0.19	1.05	0.76
7019503	prolactin regulatory element-binding protein [Ho	1.02	0.89	0.84	0.36	0.90	0.50	0.92	0.56
32307161	cullin-1 [Homo sapiens]	1.02	0.92	1.10	0.53	0.98	0.85	1.08	0.60
2.4E+08	unconventional myosin-Ib isoform 1 [Homo sapi	1.02	0.77	0.72	0.00	0.93	0.11	0.86	0.07
51173724	bystin [Homo sapiens]	1.02	0.88	1.05	0.70	0.79	0.25	0.71	0.18
20336294	putative ATP-dependent RNA helicase DHX30 i	1.02	0.95	1.02	0.96	0.76	0.28	1.03	0.92
4506457	reticulocalbin-2 isoform a precursor [Homo sapi	1.02	0.80	1.17	0.03	1.12	0.09	1.19	0.02
32484979	AP-3 complex subunit beta-1 isoform 1 [Homo s	1.02	0.89	0.91	0.23	0.88	0.09	0.95	0.39
82880645	ubiquitin carboxyl-terminal hydrolase 14 isoform	1.02	0.82	0.92	0.23	0.93	0.41	0.95	0.74
11968182	40S ribosomal protein S18 [Homo sapiens]	1.02	0.78	0.96	0.56	0.89	0.10	0.91	0.17
1.19E+08	keratin, type II cytoskeletal 1 [Homo sapiens]	1.02	0.86	0.52	0.00	1.18	0.00	0.86	0.08
1.2E+08	cation-independent mannose-6-phosphate recei	1.02	0.67	1.14	0.01	1.14	0.00	1.34	0.00
11496885	PDZ and LIM domain protein 7 isoform 1 [Homo	1.02	0.79	1.00	0.95	1.89	0.00	0.75	0.01
1.46E+08	nesprin-3 [Homo sapiens]	1.02		1.29		0.61		2.78	
2.26E+08	telomere length regulation protein TEL2 homolo	1.02		1.34		0.93		0.76	
2.32E+08	E3 ubiquitin-protein ligase listerin [Homo sapien	1.02	0.90	0.93	0.85	0.87	0.67	0.71	0.18
1.09E+08	centrosomal protein of 170 kDa isoform alpha [H	1.02	0.91	0.98	0.87	1.05	0.76	0.88	0.46
41281398	leucine-rich repeat protein SHOC-2 isoform 1 [H	1.02	0.93	0.95	0.68	1.02	0.90	0.85	0.35
4507951	14-3-3 protein eta [Homo sapiens]	1.02	0.83	1.07	0.35	1.03	0.64	1.03	0.65
6912594	phosphatidylinositol transfer protein beta isoform	1.02	0.85	1.03	0.73	0.94	0.49	1.09	0.45
1.94E+08	intersectin-2 isoform 1 [Homo sapiens]	1.02		0.83		1.08		0.83	
4506621	60S ribosomal protein L26 [Homo sapiens]	1.01	0.78	1.01	0.93	0.93	0.18	0.95	0.31
12597661	39S ribosomal protein L44, mitochondrial [Homo	1.01	0.92	1.01	0.94	1.17	0.27	1.55	0.10
1.58E+08	myb-binding protein 1A isoform 1 [Homo sapien	1.01	0.81	0.96	0.60	0.83	0.05	0.80	0.10
62460637	importin-4 [Homo sapiens]	1.01	0.93	1.08	0.54	0.79	0.17	0.88	0.12
4505317	protein phosphatase 1 regulatory subunit 12A is	1.01	0.86	1.04	0.51	1.21	0.05	1.03	0.63
2.27E+08	ufm1-specific protease 2 [Homo sapiens]	1.01	0.89	1.02	0.86	0.93	0.49	0.92	0.58
2.61E+08	NADH dehydrogenase [ubiquinone] 1 alpha sub	1.01	0.92	0.92	0.49	0.89	0.38	1.08	0.51
4.11E+08	probable E3 ubiquitin-protein ligase makorin-2 is	1.01	0.92	1.31	0.23	1.43	0.28	0.86	0.56
3.12E+08	malate dehydrogenase, cytoplasmic isoform 1 [H	1.01	0.83	1.02	0.83	0.97	0.58	1.21	0.11
62241001	inhibitor of nuclear factor kappa-B kinase subun	1.01	0.93	1.05	0.74	0.97	0.85	1.08	0.60
21361741	vacuolar protein sorting-associated protein VTA	1.01	0.96	1.08	0.66	0.95	0.83	1.07	0.72
2.28E+08	heterogeneous nuclear ribonucleoprotein Q isof	1.01	0.85	1.06	0.56	1.02	0.80	1.06	0.48
5174615	ER membrane protein complex subunit 8 isoform	1.01		0.95		0.95		0.88	
5174447	guanine nucleotide-binding protein subunit beta	1.01	0.80	0.99	0.90	0.87	0.01	0.90	0.08
94818901	endoplasmic reticulum aminopeptidase 1 isoform	1.01	0.88	0.95	0.52	1.02	0.77	1.18	0.11
1.18E+08	rab GTPase-binding effector protein 2 [Homo sa	1.01		1.05		1.02		1.21	
3.12E+08	cullin-2 isoform b [Homo sapiens]	1.01	0.87	1.00	0.97	0.89	0.52	0.88	0.45
4557741	platelet-activating factor acetylhydrolase IB sub	1.01	0.81	1.05	0.27	1.16	0.01	1.11	0.04
2.96E+08	N-acetyl-D-glucosamine kinase [Homo sapiens]	1.01	0.88	0.91	0.14	0.78	0.01	0.85	0.05
94557299	5'-AMP-activated protein kinase catalytic subuni	1.01	0.91	0.93	0.44	1.02	0.73	0.81	0.11
6005745	dynactin subunit 3 isoform 1 [Homo sapiens]	1.01	0.92	1.24	0.29	1.21	0.16	1.29	0.09
53828918	geranylgeranyl transferase type-2 subunit alpha	1.01	0.95	0.88	0.28	0.84	0.14	0.79	0.08
1.5E+08	ubiquitin-conjugating enzyme E2 Z [Homo sapie	1.01	0.93	1.06	0.67	1.02	0.91	0.98	0.94



1.48E+08	AP2-associated protein kinase 1 [Homo sapiens]	1.01	0.92	1.02	0.82	1.07	0.49	1.09	0.61
2.98E+08	nitrilase homolog 1 isoform 3 [Homo sapiens]	1.01	0.93	1.24	0.28	1.20	0.32	1.13	0.52
1.19E+08	beta-galactosidase isoform a preproprotein [Homo sapiens]	1.01	0.83	0.79	0.00	1.07	0.17	1.25	0.03
4506695	40S ribosomal protein S19 [Homo sapiens]	1.01	0.90	0.78	0.09	0.74	0.15	0.88	0.72
5803227	14-3-3 protein theta [Homo sapiens]	1.01	0.92	1.13	0.08	1.03	0.61	0.91	0.40
65506442	propionyl-CoA carboxylase alpha chain, mitochondrial	1.01	0.92	1.13	0.44	1.19	0.16	1.44	0.05
7706645	protein phosphatase methylesterase 1 isoform epsilon	1.01	0.94	1.11	0.35	3.14	0.01	1.04	0.87
2.96E+08	nuclear receptor-binding protein 2 [Homo sapiens]	1.01	0.94	0.95	0.77	1.48	0.16	0.54	0.65
56243522	syntenin-1 isoform 1 [Homo sapiens]	1.01		1.06		0.94		0.96	
18105063	vacuolar protein sorting-associated protein 45 [Homo sapiens]	1.01	0.93	1.03	0.81	0.92	0.14	0.95	0.67
55770836	saccharopine dehydrogenase-like oxidoreductase [Homo sapiens]	1.01	0.94	1.05	0.78	0.92	0.51	1.11	0.50
40806190	TMEM189-UBE2V1 fusion protein [Homo sapiens]	1.01	0.89	0.95	0.68	0.92	0.71	0.88	0.62
1.19E+08	coagulation factor XIII A chain precursor [Homo sapiens]	1.01		1.07		0.99		0.65	
70980549	protein RRP5 homolog [Homo sapiens]	1.01	0.92	1.02	0.77	0.91	0.49	0.96	0.74
4504011	glutamate--cysteine ligase regulatory subunit [Homo sapiens]	1.01		0.95		0.92		0.85	
46249376	serine/threonine-protein phosphatase PP1-beta	1.01	0.95	0.95	0.60	0.88	0.25	0.89	0.51
4505705	astrocytic phosphoprotein PEA-15 [Homo sapiens]	1.01	0.93	1.21	0.06	1.18	0.09	0.83	0.05
2.92E+08	Golgin subfamily A member 7 isoform b [Homo sapiens]	1.01		0.83		1.19		0.97	
28178832	isocitrate dehydrogenase [NADP], mitochondrial	1.01	0.87	1.32	0.00	1.23	0.00	1.90	0.00
40353761	BRCA1-A complex subunit BRE isoform 2 [Homo sapiens]	1.01	0.96	0.96	0.88	0.98	0.88	1.06	0.76
12408677	prefoldin subunit 4 [Homo sapiens]	1.01	0.95	0.97	0.75	0.96	0.64	0.96	0.65
7662677	ribosome biogenesis protein NSA2 homolog isoform 1	1.01	0.97	1.01	0.96	0.96	0.76	0.77	0.39
2.1E+08	coiled-coil domain-containing protein 124 [Homo sapiens]	1.01	0.99	1.09	0.78	1.07	0.71	1.11	0.66
4506181	proteasome subunit alpha type-2 [Homo sapiens]	1.01	0.95	0.96	0.69	0.94	0.54	0.95	0.68
61676188	E3 ubiquitin-protein ligase HUWE1 [Homo sapiens]	1.01	0.91	1.16	0.02	1.02	0.76	1.06	0.36
4759264	COP9 signalosome complex subunit 2 isoform 1	11.00	0.93	1.08	0.20	0.93	0.23	1.07	0.25
3.14E+08	focal adhesion kinase 1 isoform c [Homo sapiens]	1.00	0.98	1.04	0.88	1.08	0.85	0.95	0.74
2.08E+08	polyadenylate-binding protein 4 isoform 3 [Homo sapiens]	1.00	0.96	0.97	0.72	0.95	0.53	0.96	0.62
13569840	O-acetyl-ADP-ribose deacetylase MACROD1 [Homo sapiens]	1.00	0.96	1.09	0.42	0.99	0.96	1.50	0.04
5730023	ruvB-like 2 [Homo sapiens]	1.00	0.95	1.22	0.00	0.97	0.47	0.96	0.60
2.17E+08	dnaJ homolog subfamily C member 11 [Homo sapiens]	1.00	0.98	0.93	0.67	1.28	0.43	1.24	0.64
4506103	interferon-induced, double-stranded RNA-activated protein kinase	1.00	0.98	1.03	0.73	0.99	0.92	1.22	0.34
4501853	3-ketoacyl-CoA thiolase, peroxisomal isoform a	1.00	0.98	0.94	0.49	0.98	0.87	0.72	0.03
7661844	coiled-coil domain-containing protein 22 [Homo sapiens]	1.00	0.98	0.93	0.46	0.86	0.21	1.08	0.51
27881506	ATP-binding cassette sub-family F member 2 isoform 1	1.00	0.98	1.00	0.99	0.80	0.13	0.71	0.24
4557579	fatty acid-binding protein, adipocyte [Homo sapiens]	1.00	1.00	0.86	0.68	0.88	0.49	3.06	0.21
3.75E+08	gamma-tubulin complex component 2 isoform 1 [Homo sapiens]	1.00	0.99	1.17	0.40	1.11	0.63	1.09	0.56
9624998	heterogeneous nuclear ribonucleoprotein H2 [Homo sapiens]	1.00	0.99	0.97	0.86	0.90	0.53	1.03	0.89
7661744	basic leucine zipper and W2 domain-containing protein 1	1.00	0.99	1.02	0.90	0.98	0.86	0.73	0.06
4507231	single-stranded DNA-binding protein, mitochondrial	1.00	0.99	0.99	0.96	1.16	0.10	1.18	0.39
62912457	delta-1-pyrroline-5-carboxylate synthase isoform 1	1.00	0.98	0.93	0.22	1.28	0.00	1.23	0.00
2.96E+08	G-protein coupled receptor 64 isoform 8 precursor	1.00		1.27		0.60		2.83	
2.26E+08	sorting and assembly machinery component 50 [Homo sapiens]	1.00	0.99	0.98	0.74	0.99	0.84	1.04	0.50
20986512	mitogen-activated protein kinase 14 isoform 2 [Homo sapiens]	1.00	1.00	1.00	0.99	1.07	0.54	1.01	0.92
12408675	prefoldin subunit 2 [Homo sapiens]	1.00	0.99	1.08	0.53	1.04	0.54	0.95	0.75
28178825	isocitrate dehydrogenase [NADP] cytoplasmic [Homo sapiens]	1.00	0.99	0.82	0.01	1.32	0.01	1.12	0.24
63252913	macrophage-capping protein isoform 1 [Homo sapiens]	1.00	1.00	0.99	0.96	1.46	0.17	0.78	0.63
4758112	spliceosome RNA helicase DDX39B [Homo sapiens]	1.00	1.00	1.08	0.52	0.94	0.66	0.81	0.37
1.71E+08	tetratricopeptide repeat protein 13 isoform a [Homo sapiens]	1.00		0.97		0.84		0.87	
5031985	nuclear transport factor 2 [Homo sapiens]	1.00	1.00	0.97	0.71	1.01	0.88	1.18	0.13
1.09E+08	ubiquitin thioesterase OTUB1 [Homo sapiens]	1.00	1.00	1.07	0.51	1.02	0.80	1.07	0.41
1.5E+08	mannosyl-oligosaccharide glucosidase isoform 1 [Homo sapiens]	1.00	1.00	0.87	0.01	1.19	0.00	1.30	0.00
4505719	peroxisomal membrane protein 11B isoform 1 [Homo sapiens]	1.00	1.00	1.07	0.74	0.99	0.91	1.24	0.28
4506201	proteasome subunit beta type-5 isoform 1 [Homo sapiens]	1.00	0.99	1.09	0.12	1.07	0.36	1.00	0.95
2.24E+08	60S ribosomal protein L10 isoform a [Homo sapiens]	1.00	1.00	0.92	0.36	0.87	0.01	0.83	0.05
11496277	regulator complex protein LAMTOR3 isoform 1 [Homo sapiens]	1.00		0.86		0.60		0.94	

56605994	CDGSH iron-sulfur domain-containing protein 2	1.00		1.03		1.12		0.98	
4505573	rho guanine nucleotide exchange factor 7 isoform 1	1.00	0.99	0.94	0.74	0.94	0.56	1.04	0.75
2.18E+08	anoctamin-6 isoform c [Homo sapiens]	1.00	0.99	0.85	0.39	1.12	0.76	1.78	0.19
6598323	rab GDP dissociation inhibitor beta isoform 1 [Homo sapiens]	1.00	0.97	1.00	0.96	1.03	0.56	1.12	0.02
3.55E+08	ubiquitin carboxyl-terminal hydrolase 15 isoform 1 [Homo sapiens]	1.00	0.99	0.94	0.57	0.98	0.83	0.93	0.50
14211923	histidine triad nucleotide-binding protein 2, mitochondrial isoform 1 [Homo sapiens]	1.00	0.99	1.04	0.82	0.80	0.31	1.46	0.38
10190714	ras-related protein Rab-22A [Homo sapiens]	1.00		1.10		1.11		1.52	
1.94E+08	latexin [Homo sapiens]	1.00		0.73		0.86		1.22	
46909584	cAMP-dependent protein kinase catalytic subunit alpha isoform 1 [Homo sapiens]	1.00	0.98	0.95	0.70	0.75	0.36	0.96	0.80
68160922	40S ribosomal protein S14 [Homo sapiens]	1.00	0.98	0.95	0.43	0.92	0.19	0.87	0.05
3.13E+08	26S protease regulatory subunit 8 isoform 2 [Homo sapiens]	1.00	0.97	1.00	0.97	0.98	0.76	0.98	0.75
4758416	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 [Homo sapiens]	1.00	0.96	0.97	0.55	1.23	0.00	0.98	0.71
54873624	eukaryotic translation initiation factor 2A [Homo sapiens]	1.00	0.97	0.94	0.56	0.89	0.15	0.86	0.73
47132595	phosphate carrier protein, mitochondrial isoform 1 [Homo sapiens]	1.00	0.98	0.88	0.20	1.24	0.02	1.33	0.00
7705893	dynactin subunit 4 isoform b [Homo sapiens]	1.00	0.95	0.96	0.77	1.08	0.44	1.00	0.98
7705793	beta-lactamase-like protein 2 [Homo sapiens]	1.00	0.98	0.98	0.85	0.73	0.20	0.86	0.39
2.19E+08	apoptosis inhibitor 5 isoform a [Homo sapiens]	1.00	0.97	1.20	0.03	1.04	0.66	1.16	0.15
7305303	nck-associated protein 1 isoform 1 [Homo sapiens]	1.00	0.96	1.09	0.33	1.12	0.14	1.26	0.06
4503899	N-acetylgalactosamine-6-sulfatase precursor [Homo sapiens]	1.00	0.96	1.27	0.10	0.81	0.48	1.27	0.10
3.58E+08	60S ribosomal protein L15 isoform 1 [Homo sapiens]	1.00	0.95	0.84	0.02	1.13	0.20	1.09	0.46
4758118	28S ribosomal protein S29, mitochondrial isoform 1 [Homo sapiens]	1.00	0.99	0.97	0.95	0.71	0.96	0.76	0.89
3.42E+08	phosphofurin acidic cluster sorting protein 2 isoform 1 [Homo sapiens]	1.00	0.99	1.09		0.94		1.05	
4758792	NADH dehydrogenase [ubiquinone] iron-sulfur cluster 1 [Homo sapiens]	1.00	0.99	0.80		0.88		0.97	
18375673	regulator of nonsense transcripts 1 [Homo sapiens]	1.00	0.99	0.89	1.01	0.78	1.00	0.99	1.12
1.18E+08	protein GNAS isoform XLas [Homo sapiens]	1.00	0.99	0.93	1.07	0.22	1.33	0.03	1.23
1.56E+08	COMM domain-containing protein 9 isoform 1 [Homo sapiens]	1.00	0.99	0.99		0.88		0.69	
21396487	NADH dehydrogenase [ubiquinone] complex I, epsilon subunit [Homo sapiens]	1.00	0.99	0.97	0.85	0.35	1.05	0.82	0.88
5454140	tumor susceptibility gene 101 protein [Homo sapiens]	1.00	0.99	0.92	0.99	0.88	0.94	0.43	0.90
4506003	serine/threonine-protein phosphatase PP1-alpha isoform 1 [Homo sapiens]	1.00	0.99	0.95	1.09	0.64	1.14	0.30	0.95
4503095	casein kinase II subunit alpha isoform a [Homo sapiens]	1.00	0.99	0.95	1.19	0.29	0.97	0.69	1.08
71274107	cell surface glycoprotein MUC18 precursor [Homo sapiens]	1.00	0.99	0.92	0.96	0.73	3.99	0.00	0.81
19923260	ras-related protein Rab-4A isoform 1 [Homo sapiens]	1.00	0.99	0.97	0.98	0.88	1.10	0.41	0.82
7706667	trafficking protein particle complex subunit 4 [Homo sapiens]	1.00	0.99	0.96	0.90	0.54	0.88	0.28	0.86
41872500	diacylglycerol kinase alpha [Homo sapiens]	1.00	0.99	0.94	0.88	0.22	1.26	0.03	0.85
83700235	eukaryotic initiation factor 4A-II [Homo sapiens]	1.00	0.99	0.97	0.97	0.88	1.06	0.70	1.02
25777600	26S proteasome non-ATPase regulatory subunit 1 [Homo sapiens]	1.00	0.99	0.87	0.99	0.69	0.97	0.58	0.90
4506431	ras GTPase-activating protein 1 isoform 1 [Homo sapiens]	1.00	0.99	0.98	0.79	0.39	1.03	0.79	0.82
6631085	dnaJ homolog subfamily B member 4 [Homo sapiens]	1.00	0.99	0.93	0.87	0.76	1.74	0.15	1.01
2.17E+08	glyoxalase domain-containing protein 4 [Homo sapiens]	1.00	0.99	0.97	1.02	0.93	0.90	0.20	1.04
1.88E+08	UPF0760 protein C2orf29 [Homo sapiens]	1.00	0.99	1.04		0.77		0.51	
1.21E+08	small subunit processome component 20 homolog 1 [Homo sapiens]	1.00	0.99	0.95	1.01	0.95	1.48	0.53	0.80
38569475	metaxin-1 isoform 1 [Homo sapiens]	1.00	0.99	0.94	1.00	0.98	0.97	0.87	1.07
3.14E+08	protein PRRC2A [Homo sapiens]	1.00	0.99	0.96	0.88	0.39	3.42	0.28	1.50
4557269	adenylosuccinate lyase isoform a [Homo sapiens]	1.00	0.99	0.94	0.99	0.92	0.83	0.56	0.89
57164942	cytoskeleton-associated protein 5 isoform a [Homo sapiens]	1.00	0.99	0.86	1.24	0.00	1.17	0.10	0.87
56549694	protein enabled homolog isoform a [Homo sapiens]	1.00	0.99	0.92	1.26	0.07	1.42	0.00	0.54
24638433	nicastatin precursor [Homo sapiens]	1.00	0.99	0.92	1.22	0.16	0.86	0.28	0.98
7657138	Golgi integral membrane protein 4 [Homo sapiens]	1.00	0.99	0.96	1.09	0.64	1.02	0.92	1.13
13027602	DDRKG domain-containing protein 1 precursor [Homo sapiens]	1.00	0.99	0.91	1.10	0.36	0.98	0.87	1.09
4758768	NADH dehydrogenase [ubiquinone] 1 alpha subunit [Homo sapiens]	1.00	0.99	0.91	0.90	0.46	0.92	0.50	1.14
5803165	protein transport protein Sec61 subunit beta [Homo sapiens]	1.00	0.99	1.00		1.27		1.34	
10835067	lupus La protein [Homo sapiens]	1.00	0.99	0.89	1.25	0.01	1.03	0.71	1.27
7661996	acyl-CoA:lysophosphatidylglycerol acyltransferase 1 [Homo sapiens]	1.00	0.99	0.94	0.92	0.55	1.32	0.41	1.00
8922416	adaptin ear-binding coat-associated protein 2 isoform 1 [Homo sapiens]	1.00	0.99	0.93	0.92	0.59	1.17	0.52	1.11
21281677	WD repeat-containing protein 36 [Homo sapiens]	1.00	0.99	0.91	0.97	0.79	0.79	0.13	0.74
RRRRR223	REVERSED dynein heavy chain 14, axonemal isoform 1 [Homo sapiens]	1.00	0.99	0.99		0.82		0.99	

4759050	ribosomal protein S6 kinase alpha-3 [Homo sap	0.99	0.93	0.96	0.75	0.86	0.38	0.69	0.70
14043024	BAG family molecular chaperone regulator 3 [Hc	0.99	0.96	0.94	0.46	1.42	0.12	0.87	0.51
10835063	nucleophosmin isoform 1 [Homo sapiens]	0.99	0.83	0.96	0.46	0.79	0.00	0.95	0.66
3.75E+08	Golgin subfamily B member 1 isoform 4 [Homo	0.99	0.93	0.96	0.76	0.98	0.87	0.71	0.42
25453487	cystathionine gamma-lyase isoform 2 [Homo sa	0.99		1.14		1.11		1.03	
4506713	ubiquitin-40S ribosomal protein S27a precursor	0.99	0.93	1.05	0.43	1.08	0.24	1.02	0.82
4503301	2,4-dienoyl-CoA reductase, mitochondrial precu	0.99	0.90	1.02	0.75	1.23	0.00	1.22	0.01
4503971	rab GDP dissociation inhibitor alpha [Homo sapi	0.99	0.89	1.31	0.03	1.03	0.74	0.80	0.14
2.62E+08	plexin-A1 precursor [Homo sapiens]	0.99	0.95	1.01	0.94	1.08	0.60	0.96	0.90
13569901	TSC22 domain family protein 4 [Homo sapiens]	0.99		1.06		0.98		1.04	
4503771	protein farnesyltransferase/geranylgeranyltransf	0.99	0.92	0.94	0.70	0.92	0.59	0.97	0.85
1.48E+08	septin-7 isoform 1 [Homo sapiens]	0.99	0.90	1.05	0.57	1.38	0.00	1.56	0.01
4506633	60S ribosomal protein L31 isoform 1 [Homo sap	0.99	0.89	0.93	0.45	0.95	0.42	0.92	0.37
1.5E+08	ubiquitin-like modifier-activating enzyme 6 [Hom	0.99	0.80	1.00	0.97	1.10	0.20	0.96	0.52
1.24E+08	axin interactor, dorsalization-associated protein	0.99	0.91	0.96	0.73	0.78	0.25	1.11	0.49
45447090	mannose-1-phosphate guanyltransferase alpha	0.99	0.80	0.90	0.22	0.95	0.49	0.99	0.96
5454088	acidic leucine-rich nuclear phosphoprotein 32 fa	0.99	0.88	1.01	0.94	0.76	0.10	1.29	0.11
2.59E+08	mitochondrial 2-oxoglutarate/malate carrier prot	0.99	0.79	0.91	0.18	0.83	0.06	1.03	0.82
1.56E+08	aspartyl aminopeptidase [Homo sapiens]	0.98	0.88	0.97	0.82	0.76	0.10	1.09	0.47
4506625	60S ribosomal protein L27a [Homo sapiens]	0.98	0.88	0.89	0.33	0.92	0.44	0.93	0.63
4758968	cytohesin-3 [Homo sapiens]	0.98	0.90	1.03	0.81	1.09	0.53	1.21	0.30
23110925	proteasome subunit beta type-6 isoform 1 propr	0.98	0.88	1.03	0.67	1.05	0.46	1.05	0.48
56790935	striatin-interacting protein 1 isoform 1 [Homo sa	0.98	0.91	0.97	0.85	1.23	0.33	1.02	0.90
3.95E+08	26S proteasome non-ATPase regulatory subuni	0.98	0.75	0.99	0.82	1.04	0.41	1.00	0.93
29826321	alpha-adducin isoform b [Homo sapiens]	0.98	0.84	0.92	0.35	0.88	0.18	1.69	0.01
42560246	DNA-directed RNA polymerases I and III subuni	0.98	0.92	1.08	0.65	0.92	0.62	1.21	0.51
5453998	importin-7 [Homo sapiens]	0.98	0.85	0.97	0.82	0.90	0.31	0.75	0.06
6005942	transitional endoplasmic reticulum ATPase [Hor	0.98	0.74	0.98	0.60	1.20	0.00	1.02	0.54
4503253	dolichyl-diphosphooligosaccharide--protein glyco	0.98	0.89	0.99	0.92	1.03	0.81	1.11	0.48
4506671	60S acidic ribosomal protein P2 [Homo sapiens]	0.98	0.85	0.89	0.23	0.90	0.60	0.88	0.50
4506681	40S ribosomal protein S11 [Homo sapiens]	0.98	0.70	0.90	0.03	0.84	0.00	0.82	0.01
11321634	CD2-associated protein [Homo sapiens]	0.98	0.89	0.80	0.51	0.99	0.94	0.66	0.61
1.9E+08	ras-related protein Rab-11B [Homo sapiens]	0.98	0.85	1.02	0.83	0.98	0.85	0.97	0.87
32483399	serine/threonine-protein kinase PAK 2 [Homo sa	0.98	0.90	0.99	0.91	0.87	0.08	0.86	0.13
8923659	peptidyl-prolyl cis-trans isomerase FKBP14 prec	0.98	0.86	0.92	0.50	1.12	0.41	1.22	0.13
7661914	26S proteasome non-ATPase regulatory subuni	0.98	0.80	1.03	0.74	1.03	0.55	1.00	0.94
14790119	caspase-3 preproprotein [Homo sapiens]	0.98	0.85	0.90	0.24	0.78	0.04	1.20	0.14
2.09E+08	dihydropteridine reductase [Homo sapiens]	0.98	0.90	0.94	0.67	1.06	0.69	1.03	0.84
13378137	tumor necrosis factor receptor type 1-associat	0.98		0.82		0.93		1.01	
18201880	ovarian cancer-associated gene 2 protein [Hom	0.98	0.88	0.89	0.45	0.98	0.91	0.68	0.17
1.9E+08	nudC domain-containing protein 1 isoform 1 [Hc	0.98	0.89	0.99	0.97	0.90	0.59	0.93	0.75
5901948	FAS-associated factor 1 [Homo sapiens]	0.98	0.93	0.89	0.46	0.64	0.14	0.47	0.30
78214522	60S ribosomal protein L38 [Homo sapiens]	0.98	0.86	0.95	0.61	0.93	0.28	0.91	0.36
13376840	WD repeat-containing protein 61 [Homo sapiens	0.98	0.88	0.86	0.36	0.93	0.62	0.93	0.59
57863257	T-complex protein 1 subunit alpha isoform a [Hc	0.98	0.76	0.99	0.89	1.08	0.57	0.89	0.32
83921614	cytochrome b5 type B [Homo sapiens]	0.98	0.87	0.96	0.70	1.17	0.37	1.03	0.89
1.94E+08	probable inactive glycosyltransferase 25 family	0.98		0.91		0.82		1.16	
4758340	phenylalanine--tRNA ligase alpha subunit [Hom	0.98	0.84	1.08	0.69	0.97	0.77	0.93	0.50
89276756	serine/threonine-protein kinase PRP4 homolog	0.98		1.03		0.97		1.22	
4504771	eukaryotic translation initiation factor 6 isoform	0.98	0.89	0.83	0.30	0.94	0.58	0.87	0.45
2.03E+08	pyruvate dehydrogenase protein X component,	0.98	0.83	0.92	0.53	1.20	0.22	1.22	0.14
7661822	dynein light chain roadblock-type 1 [Homo sapie	0.98		1.14		1.28		1.02	
5453838	Sjoegren syndrome/scleroderma autoantigen 1	0.98		1.04		1.07		1.00	
5031887	lipoma-preferred partner isoform a [Homo sapie	0.98	0.78	0.89	0.17	1.91	0.00	0.77	0.00
4507711	tetratricopeptide repeat protein 1 [Homo sapiens	0.98	0.86	1.02	0.87	0.90	0.48	0.95	0.70
1.2E+08	vacuolar protein sorting-associated protein 33B	0.98	0.91	0.77	0.23	0.84	0.51	0.89	0.72

31711992	dihydrolipoyllysine-residue acetyltransferase cor	0.98	0.72	0.92	0.24	1.20	0.03	1.39	0.00
2.91E+08	elongation factor Ts, mitochondrial isoform 1 pr	0.98	0.86	1.03	0.82	1.05	0.72	1.30	0.24
89276751	collagen alpha-1(V) chain preproprotein [Homo	0.98	0.79	2.67	0.00	1.45	0.00	1.54	0.12
21361356	mitochondrial import receptor subunit TOM34 [F	0.98	0.85	1.09	0.73	0.67	0.17	0.96	0.71
7657441	28 kDa heat- and acid-stable phosphoprotein [H	0.98	0.85	1.18	0.22	1.04	0.55	1.09	0.21
5174613	nucleosome assembly protein 1-like 4 [Homo sa	0.98	0.74	1.12	0.16	1.07	0.37	0.83	0.43
51243059	malonyl-CoA-acyl carrier protein transacylase, n	0.98		1.12		0.72		0.82	
5032093	neutral amino acid transporter B(0) isoform 1 [H	0.98	0.88	1.38	0.20	1.13	0.63	1.30	0.84
3.33E+08	serpin H1 precursor [Homo sapiens]	0.98	0.64	0.98	0.62	1.47	0.00	1.42	0.00
25777612	26S proteasome non-ATPase regulatory subuni	0.98	0.54	0.98	0.71	1.02	0.76	1.00	0.98
21361884	ras-related protein Rab-2B isoform 1 [Homo sa	0.98		1.47		1.46		1.07	
4506301	tyrosine-protein phosphatase non-receptor type	0.98		0.69		0.52		0.45	
31542509	ADP-dependent glucokinase precursor [Homo s	0.98	0.85	0.88	0.43	1.04	0.78	1.14	0.41
1.67E+08	interferon-induced guanylate-binding protein 1 [I	0.97	0.89	1.43	0.06	1.02	0.86	1.00	0.99
6005872	translocation protein SEC63 homolog [Homo sa	0.97	0.69	0.88	0.12	0.93	0.32	0.78	0.01
19923483	ras-related protein Rab-14 [Homo sapiens]	0.97	0.71	1.06	0.42	1.11	0.19	1.02	0.80
62243696	cohesin subunit SA-1 [Homo sapiens]	0.97		1.13		1.06		1.03	
7657176	protein canopy homolog 2 isoform 1 precursor [I	0.97	0.78	0.90	0.35	1.14	0.26	1.11	0.24
45439339	pyruvate dehydrogenase phosphatase catalytic s	0.97	0.80	0.80	0.11	1.07	0.48	1.43	0.05
1.1E+08	calcium-regulated heat stable protein 1 [Homo s	0.97	0.95	1.04	0.89	1.30	0.41	1.50	0.38
62632771	DNA-3-methyladenine glycosylase isoform c [Hc	0.97	0.98	1.17	0.71	1.13	0.80	1.46	0.22
2.09E+08	atlastin-2 isoform 1 [Homo sapiens]	0.97		1.37		1.09		0.86	
1.1E+08	signal recognition particle 72 kDa protein isoforr	0.97	0.86	0.96	0.72	1.05	0.74	1.07	0.73
4557233	short-chain specific acyl-CoA dehydrogenase, n	0.97		0.67		0.90		2.76	
22538794	programmed cell death protein 10 [Homo sapier	0.97	0.77	1.09	0.41	1.11	0.32	1.07	0.50
38683799	ankyrin repeat domain-containing protein 13A [F	0.97		0.52		0.41		0.27	
38505222	protein disulfide-isomerase TMX3 precursor [Ho	0.97	0.83	0.76	0.27	1.01	0.94	0.52	0.23
2E+08	phostensin [Homo sapiens]	0.97	0.57	0.90	0.06	1.10	0.03	0.81	0.01
3E+08	nuclear factor 1 B-type isoform 1 [Homo sapiens	0.97	0.90	1.25	0.51	0.63	0.25	2.94	0.06
13324688	WD repeat-containing protein 11 [Homo sapiens	0.97	0.84	0.98	0.89	0.90	0.51	0.83	0.31
4759034	eukaryotic peptide chain release factor subunit	0.97	0.77	0.95	0.57	0.91	0.45	0.74	0.04
9845502	40S ribosomal protein SA [Homo sapiens]	0.97	0.77	0.93	0.33	1.08	0.59	0.80	0.03
1.88E+08	probable DNA dC->dU-editing enzyme APOBEC	0.97		1.00		1.09		0.82	
5031777	isocitrate dehydrogenase [NAD] subunit alpha, r	0.97	0.90	0.98	0.92	0.78	0.09	1.09	0.58
42516576	glutaredoxin-related protein 5, mitochondrial pre	0.97	0.81	1.03	0.88	0.91	0.52	1.02	0.86
92091600	arf-GAP with Rho-GAP domain, ANK repeat anc	0.97	0.83	0.77	0.06	0.72	0.03	2.20	0.02
1.96E+08	26S protease regulatory subunit 10B [Homo sa	0.97	0.55	0.98	0.79	1.09	0.20	1.03	0.66
5453629	dynactin subunit 2 isoform 1 [Homo sapiens]	0.97	0.53	0.95	0.27	1.15	0.01	0.98	0.60
47604944	SCY1-like protein 2 [Homo sapiens]	0.97	0.93	1.08	0.68	1.40	0.26	1.11	0.51
1.23E+08	nudC domain-containing protein 3 [Homo sapier	0.97		0.84		0.48		0.52	
6912242	DCC-interacting protein 13-alpha [Homo sapien	0.97	0.70	0.96	0.63	0.84	0.06	1.17	0.42
4758442	glia maturation factor beta [Homo sapiens]	0.97	0.76	1.06	0.58	1.04	0.83	1.00	0.98
4.32E+08	heat shock protein HSP 90-beta isoform c [Hom	0.97	0.63	1.00	0.97	0.97	0.39	0.95	0.39
5803181	stress-induced-phosphoprotein 1 [Homo sapien	0.97	0.48	1.05	0.23	1.21	0.00	1.08	0.33
4505331	gamma-soluble NSF attachment protein [Homo	0.97	0.76	0.82	0.31	0.79	0.60	0.75	0.33
31543385	choline-phosphate cytidyltransferase A [Homo	0.97	0.61	0.88	0.19	0.97	0.67	1.06	0.56
51242945	striatin [Homo sapiens]	0.97	0.79	1.05	0.79	0.98	0.93	0.94	0.63
50658084	branched-chain-amino-acid aminotransferase, n	0.97	0.83	0.91	0.70	1.22	0.34	1.30	0.23
4.1E+08	PREDICTED: protein FAM203A [Homo sapiens]	0.97	0.86	1.11	0.52	0.76	0.24	0.99	0.96
1.34E+08	transmembrane protein 214 isoform 1 [Homo sa	0.97	0.81	0.64	0.05	0.99	0.88	0.88	0.28
13376617	prostaglandin E synthase 2 isoform 1 [Homo sa	0.97	0.75	0.84	0.16	0.94	0.55	0.87	0.41
8923900	N-acylneuraminate cytidyltransferase [Homo s	0.97	0.83	0.81	0.29	0.72	0.19	0.97	0.83
95113666	synembryn-B [Homo sapiens]	0.97		0.96		0.73		0.67	
2.24E+08	peptide-N(4)-(N-acetyl-beta-glucosaminyl)aspar	0.97		1.09		0.83		1.27	
17017988	cytochrome c oxidase subunit 5B, mitochondrial	0.97	0.74	0.93	0.53	0.97	0.70	1.25	0.05
50053795	eukaryotic translation initiation factor 4B [Homo	0.97	0.63	1.04	0.70	0.94	0.70	1.00	0.97

3E+08	AFG3-like protein 2 [Homo sapiens]	0.97	0.80	1.03	0.78	1.14	0.15	1.26	0.15
14149738	neurolysin, mitochondrial [Homo sapiens]	0.97	0.81	1.03	0.81	1.19	0.45	1.25	0.35
5174419	putative ATP-dependent Clp protease proteolyti	0.97	0.90	0.88	0.57	1.01	0.94	0.95	0.69
1.58E+08	26S proteasome non-ATPase regulatory subuni	0.96	0.53	0.97	0.64	1.04	0.55	0.94	0.40
16117796	60S ribosomal protein L36 [Homo sapiens]	0.96	0.78	0.90	0.47	1.00	0.98	0.87	0.40
57863271	von Willebrand factor A domain-containing prote	0.96	0.81	0.93	0.63	0.98	0.80	1.07	0.94
5453603	T-complex protein 1 subunit beta isoform 1 [Hor	0.96	0.39	1.07	0.10	1.01	0.84	0.92	0.09
4506133	phosphoribosyl pyrophosphate synthase-associ	0.96		0.93		0.86		0.85	
21237783	conserved oligomeric Golgi complex subunit 1 [I	0.96	0.78	1.01	0.94	1.04	0.78	1.05	0.80
4506669	60S acidic ribosomal protein P1 isoform 1 [Hom	0.96	0.77	0.81	0.34	0.74	0.27	0.47	0.15
4506667	60S acidic ribosomal protein P0 [Homo sapiens]	0.96	0.51	0.92	0.25	0.96	0.74	0.86	0.54
2.65E+08	inner nuclear membrane protein Man1 isoform 2	0.96	0.83	1.02	0.85	0.97	0.79	0.87	0.40
89274169	anamorsin [Homo sapiens]	0.96	0.84	0.88	0.58	1.14	0.40	0.74	0.45
47132557	fibronectin isoform 1 preproprotein [Homo sapie	0.96	0.19	0.95	0.11	4.16	0.00	0.86	0.05
1.23E+08	cytoplasmic dynein 2 heavy chain 1 isoform 2 [F	0.96	0.79	1.50	0.30	0.55	0.22	0.74	0.23
31542711	transmembrane protein C2orf18 precursor [Horr	0.96	0.77	1.14	0.43	1.10	0.54	1.33	0.23
4506407	ran-specific GTPase-activating protein [Homo s;	0.96	0.64	0.99	0.91	0.98	0.83	1.09	0.37
38569473	NADH dehydrogenase [ubiquinone] 1 beta subc	0.96		0.89		0.98		1.01	
83367072	eukaryotic translation initiation factor 3 subunit E	0.96	0.40	0.94	0.30	0.89	0.02	0.77	0.09
4506699	40S ribosomal protein S21 [Homo sapiens]	0.96	0.79	1.04	0.80	0.99	0.93	1.06	0.82
11761621	mannose-1-phosphate guanyltransferase beta i;	0.96	0.68	0.98	0.88	0.98	0.86	1.04	0.63
3.3E+08	up-regulated during skeletal muscle growth prot	0.96	0.82	0.97	0.87	1.47	0.05	1.41	0.24
62751417	rab-like protein 3 [Homo sapiens]	0.96		1.07		1.02		1.21	
39545580	protein cereblon isoform 1 [Homo sapiens]	0.96		1.07		0.69		0.97	
30181236	copine-2 [Homo sapiens]	0.96		1.14		0.99		0.94	
22749197	motile sperm domain-containing protein 2 isofor	0.96		1.58		1.43		1.48	
10835059	protein farnesyltransferase subunit beta [Homo	0.96	0.75	0.96	0.76	0.93	0.61	1.17	0.58
2.15E+08	ADP-ribosylation factor GTPase-activating prote	0.96	0.76	0.87	0.26	1.04	0.71	0.99	0.93
71774197	ubiquitin carboxyl-terminal hydrolase 47 [Homo	0.96	0.89	1.16	0.29	1.28	0.08	1.18	0.53
19743875	fumarate hydratase, mitochondrial [Homo sapie	0.96	0.38	0.91	0.09	0.89	0.18	1.20	0.06
9910244	28S ribosomal protein S22, mitochondrial [Hom	0.96	0.65	0.91	0.36	0.95	0.60	1.15	0.32
4758786	NADH dehydrogenase [ubiquinone] iron-sulfur p	0.96	0.51	1.00	0.95	1.04	0.51	1.21	0.14
47458820	signal transducer and activator of transcription 3	0.96	0.62	0.92	0.40	0.94	0.44	1.31	0.04
1.12E+08	protein transport protein Sec24B isoform b [Hon	0.96	0.78	0.98	0.89	0.96	0.59	0.94	0.56
20149568	NADH dehydrogenase [ubiquinone] flavoprotein	0.96	0.64	0.90	0.11	0.95	0.36	1.02	0.79
4758018	calponin-2 isoform a [Homo sapiens]	0.96	0.34	1.07	0.16	2.35	0.00	0.85	0.03
4.09E+08	zinc finger protein 598 [Homo sapiens]	0.96	0.75	1.07	0.64	0.93	0.58	0.89	0.46
21464101	14-3-3 protein gamma [Homo sapiens]	0.96	0.59	1.08	0.56	1.46	0.00	1.13	0.21
4506717	40S ribosomal protein S29 isoform 1 [Homo sa;	0.96	0.68	0.99	0.90	0.96	0.73	0.99	0.97
7305503	stomatin-like protein 2 [Homo sapiens]	0.96	0.63	0.93	0.34	1.13	0.14	1.11	0.20
69354671	ATP-binding cassette sub-family F member 1 is	0.96	0.57	1.07	0.41	0.95	0.42	0.93	0.37
88900491	neutral alpha-glucosidase AB isoform 3 precurs	0.96		1.06		0.84		1.07	
2.22E+08	ras-related protein Rab-34 isoform 5 [Homo sap	0.96	0.74	0.88	0.31	1.17	0.40	1.24	0.29
40254834	kinesin-like protein KIF1C [Homo sapiens]	0.95	0.67	1.05	0.75	1.06	0.61	1.00	0.98
31881740	solute carrier family 12 member 9 isoform 1 [Ho	0.95	0.92	1.16	0.66	1.02	0.95	1.15	0.75
13559514	phosphatidylinositol 4-kinase type 2-alpha [Hom	0.95	0.62	0.82	0.35	0.92	0.47	1.12	0.31
10801345	eukaryotic translation initiation factor 3 subunit I	0.95	0.60	1.05	0.57	0.96	0.63	0.84	0.15
88703041	sorting nexin-6 isoform b [Homo sapiens]	0.95	0.49	1.06	0.57	1.06	0.47	1.15	0.12
4507669	translationally-controlled tumor protein [Homo s;	0.95	0.53	0.92	0.21	0.98	0.75	0.98	0.68
11863154	coatamer subunit delta isoform 1 [Homo sapien;	0.95	0.54	0.88	0.13	0.84	0.06	0.86	0.04
4507791	NEDD8-conjugating enzyme Ubc12 [Homo sapi	0.95	0.62	0.97	0.76	1.04	0.71	0.76	0.30
6912634	60S ribosomal protein L13a isoform 1 [Homo sa	0.95	0.42	0.89	0.37	1.09	0.53	0.89	0.47
98985804	cyclin-dependent kinase inhibitor 2A isoform p1;	0.95		0.98		1.21		1.02	
40254446	cullin-5 [Homo sapiens]	0.95		1.12		1.23		1.26	
5901956	follistatin-related protein 1 precursor [Homo sap	0.95	0.61	0.98	0.87	1.61	0.03	0.51	0.12
18104948	60S ribosomal protein L21 [Homo sapiens]	0.95	0.62	0.88	0.08	0.92	0.57	0.91	0.57

4504169	glutathione synthetase [Homo sapiens]	0.95	0.28	0.91	0.04	0.80	0.00	0.90	0.05
2.05E+08	protein-methionine sulfoxide oxidase MICAL1 isoform 1 [Homo sapiens]	0.95	0.91	0.69	0.11	0.87	0.44	0.51	0.11
31542785	sec1 family domain-containing protein 2 [Homo sapiens]	0.95	0.62	0.81	0.28	1.16	0.22	0.91	0.65
5454158	valine--tRNA ligase [Homo sapiens]	0.95	0.29	0.91	0.10	0.88	0.00	0.89	0.03
38570135	mitogen-activated protein kinase kinase kinase 1 [Homo sapiens]	0.95	0.72	0.94	0.64	0.92	0.60	0.97	0.82
4506723	40S ribosomal protein S3a isoform 1 [Homo sapiens]	0.95	0.31	0.95	0.18	0.93	0.08	0.89	0.14
34147384	UPF0366 protein C11orf67 [Homo sapiens]	0.95		0.99		1.40		1.30	
1.49E+08	collagen alpha-1(IV) chain preproprotein [Homo sapiens]	0.95	0.80	1.21	0.64	1.69	0.10	0.83	0.08
17865802	vacuolar protein sorting-associated protein 4B [Homo sapiens]	0.95	0.51	0.94	0.46	0.78	0.20	0.92	0.29
14591909	60S ribosomal protein L5 [Homo sapiens]	0.95	0.29	0.94	0.08	0.98	0.68	0.97	0.71
50845388	annexin A2 isoform 1 [Homo sapiens]	0.95	0.59	0.70	0.00	1.13	0.08	0.80	0.02
29568111	myosin regulatory light polypeptide 9 isoform a [Homo sapiens]	0.95		0.98		4.33		0.25	
8922601	ADP-ribosylation factor-like protein 8B [Homo sapiens]	0.95	0.70	0.93	0.60	0.79	0.03	1.12	0.35
14141193	40S ribosomal protein S9 [Homo sapiens]	0.95	0.49	0.96	0.32	0.97	0.66	1.04	0.64
40385883	ribulose-phosphate 3-epimerase isoform 1 [Homo sapiens]	0.95		0.60		1.18		0.60	
9943848	gamma-adducin isoform a [Homo sapiens]	0.95	0.45	0.91	0.21	1.01	0.89	1.73	0.00
24308043	putative adenosylhomocysteinase 3 isoform a [Homo sapiens]	0.95	0.68	1.08	0.47	0.94	0.48	1.16	0.44
1.55E+08	rap1 GTPase-GDP dissociation stimulator 1 isoform 1 [Homo sapiens]	0.95	0.83	0.94	0.84	1.09	0.77	1.06	0.93
90903231	huntingtin [Homo sapiens]	0.95	0.48	1.09	0.40	1.09	0.28	0.92	0.41
56090139	protein TFG isoform 1 [Homo sapiens]	0.95	0.80	0.94	0.80	1.05	0.63	1.11	0.56
14277700	40S ribosomal protein S12 [Homo sapiens]	0.95	0.46	0.94	0.36	0.86	0.05	0.83	0.03
7657261	rap guanine nucleotide exchange factor 2 [Homo sapiens]	0.95		0.87		1.13		1.06	
12408654	galactosylgalactosylxylosylprotein 3-beta-glucuronidase [Homo sapiens]	0.95	0.63	0.89	0.31	0.75	0.14	0.77	0.11
4502209	ADP-ribosylation factor 5 [Homo sapiens]	0.95	0.61	0.98	0.85	0.94	0.56	1.09	0.47
20373175	RNA-binding protein Musashi homolog 2 isoform 1 [Homo sapiens]	0.95		0.88		0.86		0.57	
31083351	exocyst complex component 3 [Homo sapiens]	0.95	0.59	1.05	0.64	1.05	0.64	1.06	0.53
2.08E+08	UPF0696 protein C11orf68 isoform 1 [Homo sapiens]	0.95	0.51	0.90	0.24	0.90	0.23	1.08	0.43
33636719	mitochondrial import inner membrane translocator subunit 70 [Homo sapiens]	0.95	0.60	0.90	0.38	1.20	0.04	1.13	0.38
2.95E+08	dystroglycan preproprotein [Homo sapiens]	0.95	0.69	1.03	0.83	1.59	0.57	1.25	0.42
5729937	metaxin-2 [Homo sapiens]	0.95	0.79	0.89	0.46	1.06	0.67	1.07	0.72
4505581	interferon-inducible double stranded RNA-dependent protein kinase [Homo sapiens]	0.95	0.88	0.79	0.71	1.23	0.46	0.78	0.70
2.3E+08	DDB1- and CUL4-associated factor 13 [Homo sapiens]	0.95		0.82		0.92		0.13	
5803191	transcription elongation factor A protein 1 isoform 1 [Homo sapiens]	0.95	0.57	1.39	0.02	0.93	0.65	1.12	0.43
4757834	BAG family molecular chaperone regulator 2 [Homo sapiens]	0.95	0.51	0.82	0.07	0.59	0.08	0.97	0.67
1.94E+08	Golgin subfamily A member 2 [Homo sapiens]	0.95	0.71	1.15	0.50	1.11	0.49	1.11	0.51
55956766	etoposide-induced protein 2.4 homolog isoform 1 [Homo sapiens]	0.95		0.86		1.00		0.89	
1.17E+08	regulator of microtubule dynamics protein 1 [Homo sapiens]	0.95	0.83	0.86	0.58	1.04	0.88	1.08	0.85
46249388	phosphoserine phosphatase [Homo sapiens]	0.95	0.58	1.08	0.47	1.25	0.12	0.58	0.03
4506725	40S ribosomal protein S4, X isoform X isoform 1 [Homo sapiens]	0.95	0.34	0.87	0.03	0.89	0.05	0.82	0.06
3.12E+08	ATP5J2-PTCD1 fusion protein [Homo sapiens]	0.95	0.62	0.92	0.44	1.02	0.88	1.13	0.37
47086907	lysophosphatidylcholine acyltransferase 2 [Homo sapiens]	0.95	0.68	0.92	0.57	1.12	0.46	0.42	0.07
1.49E+08	plexin-B2 precursor [Homo sapiens]	0.95	0.37	1.00	0.98	1.18	0.05	1.15	0.20
38327039	heat shock 70 kDa protein 4 [Homo sapiens]	0.95	0.17	0.93	0.03	0.89	0.00	0.88	0.02
2.25E+08	wolframin [Homo sapiens]	0.95	0.67	1.08	0.57	1.53	0.22	1.24	0.39
3.01E+08	nuclear pore glycoprotein p62 [Homo sapiens]	0.95		0.92		0.85		0.89	
88853865	isoamyl acetate-hydrolyzing esterase 1 homolog 1 [Homo sapiens]	0.95	0.74	0.93	0.64	0.99	0.98	1.14	0.60
83281438	eukaryotic translation initiation factor 3 subunit 1 [Homo sapiens]	0.95	0.34	1.05	0.37	1.07	0.24	0.97	0.83
15431297	60S ribosomal protein L13 isoform 1 [Homo sapiens]	0.95	0.79	0.95	0.78	0.95	0.82	0.94	0.76
4506605	60S ribosomal protein L23 [Homo sapiens]	0.95	0.33	0.93	0.51	0.82	0.03	0.81	0.02
81175178	Keratin, type I cytoskeletal 9 (Cytokeratin-9) [Homo sapiens]	0.95	0.52	0.60	0.01	1.23	0.02	0.85	0.23
3.85E+08	selenium-binding protein 1 isoform 3 [Homo sapiens]	0.94		1.15		0.82		1.73	
3.12E+08	liprin-beta-1 isoform 1 [Homo sapiens]	0.94	0.45	0.82	0.07	0.97	0.71	1.42	0.01
7661968	clathrin interactor 1 isoform 2 [Homo sapiens]	0.94	0.54	0.96	0.58	1.06	0.47	1.01	0.87
1.1E+08	filamin A-interacting protein 1-like isoform 3 [Homo sapiens]	0.94	0.66	0.69	0.17	2.47	0.48	0.48	0.24
56118223	choline/ethanolaminephosphotransferase 1 [Homo sapiens]	0.94		0.72		0.83		0.73	
8923417	poly(ADP-ribose) glycohydrolase ARH3 [Homo sapiens]	0.94	0.63	0.97	0.84	0.95	0.58	1.47	0.05

1.55E+08	SET and MYND domain-containing protein 5 [Homo sapiens]	0.94	0.97		1.23		1.00		
2.54E+08	rho guanine nucleotide exchange factor 2 isoform 1 [Homo sapiens]	0.94	0.22	1.09	0.19	1.14	0.03	0.84	0.14
1.57E+08	HEAT repeat-containing protein 2 [Homo sapiens]	0.94	0.55	0.82	0.26	0.68	0.32	0.86	0.74
2.61E+08	U3 small nucleolar RNA-associated protein 14 [Homo sapiens]	0.94	0.70	1.10	0.43	0.91	0.46	1.11	0.39
2.71E+08	cytosolic non-specific dipeptidase isoform 1 [Homo sapiens]	0.94	0.31	1.11	0.12	0.99	0.88	0.81	0.02
6912646	neuroplastin isoform b precursor [Homo sapiens]	0.94	0.80	1.00	0.97	1.13	0.41	0.99	0.95
1.65E+08	transmembrane 9 superfamily member 4 precursor [Homo sapiens]	0.94	0.56	1.14	0.26	1.03	0.80	1.36	0.07
4504705	type I inositol 3,4-bisphosphate 4-phosphatase isoform 1 [Homo sapiens]	0.94		1.21		0.84		0.94	
6005721	erlin-2 isoform 1 [Homo sapiens]	0.94	0.43	1.04	0.62	1.03	0.79	1.06	0.43
78042577	MAP7 domain-containing protein 1 [Homo sapiens]	0.94	0.78	1.18	0.41	1.00	0.98	0.82	0.40
7706337	coatamer subunit zeta-1 isoform 1 [Homo sapiens]	0.94	0.69	0.78	0.24	0.80	0.57	0.70	0.43
4759302	vesicle-associated membrane protein-associated protein 1 [Homo sapiens]	0.94	0.75	1.04	0.72	1.14	0.35	1.14	0.40
21362062	protein LZIC [Homo sapiens]	0.94	0.54	1.27	0.10	1.14	0.45	1.44	0.20
9951915	adenosylhomocysteinase isoform 1 [Homo sapiens]	0.94	0.41	0.99	0.82	0.97	0.64	0.89	0.06
4506597	60S ribosomal protein L12 [Homo sapiens]	0.94	0.63	0.96	0.71	0.97	0.84	0.99	0.96
24308075	rab11 family-interacting protein 5 [Homo sapiens]	0.94	0.90	0.75	0.24	0.47	0.26	0.56	0.31
6005993	clathrin light chain A isoform b [Homo sapiens]	0.94	0.45	1.01	0.86	1.12	0.24	1.12	0.46
1.9E+08	Sjoegren syndrome nuclear autoantigen 1 [Homo sapiens]	0.94		0.86		0.91		0.85	
4506193	proteasome subunit beta type-1 [Homo sapiens]	0.94	0.40	0.95	0.45	0.98	0.81	1.00	0.99
38679888	ras-related protein Rab-6A isoform b [Homo sapiens]	0.94	0.30	1.00	0.97	1.31	0.00	1.02	0.73
21359965	cleft lip and palate transmembrane protein 1-like 1 [Homo sapiens]	0.94		1.15		1.03		0.65	
4757732	apoptosis-inducing factor 1, mitochondrial isoform 1 [Homo sapiens]	0.94	0.30	0.77	0.01	1.30	0.00	1.19	0.01
2.02E+08	fermitin family homolog 2 isoform 2 [Homo sapiens]	0.94	0.14	0.99	0.84	1.50	0.00	1.03	0.51
15055539	40S ribosomal protein S2 [Homo sapiens]	0.94	0.19	0.89	0.02	0.87	0.01	0.89	0.04
40353727	synaptopodin isoform A [Homo sapiens]	0.94	0.55	0.63	0.02	2.31	0.00	0.66	0.05
5453908	phosphatidylinositol transfer protein alpha isoform 1 [Homo sapiens]	0.94	0.75	1.14	0.42	1.16	0.46	1.15	0.40
5031875	lamin isoform C [Homo sapiens]	0.94		0.81		1.10		0.82	
8922701	acylglycerol kinase, mitochondrial precursor [Homo sapiens]	0.94	0.63	0.96	0.75	1.08	0.57	1.29	0.24
6005824	SEC23-interacting protein [Homo sapiens]	0.94	0.25	0.84	0.02	1.08	0.16	1.02	0.76
21361144	26S protease regulatory subunit 6A [Homo sapiens]	0.94	0.70	0.98	0.93	0.99	0.96	0.94	0.73
55743130	60S ribosomal protein L32 [Homo sapiens]	0.94	0.73	1.03	0.83	1.00	0.99	1.18	0.39
76880486	activating signal cointegrator 1 complex subunit 1 [Homo sapiens]	0.94	0.51	0.98	0.90	1.08	0.51	0.76	0.24
20149621	bifunctional ATP-dependent dihydroxyacetone kinase 1 [Homo sapiens]	0.94	0.51	1.10	0.36	0.80	0.11	1.21	0.14
4505029	leukotriene A-4 hydrolase isoform 1 [Homo sapiens]	0.94	0.44	0.84	0.01	0.94	0.17	0.83	0.04
4503817	3-ketodihydrosphingosine reductase precursor [Homo sapiens]	0.94		1.03		0.99		1.03	
7705636	vesicle transport protein GOT1B [Homo sapiens]	0.94	0.66	0.83	0.35	1.07	0.66	1.05	0.74
23510340	ubiquitin-like modifier-activating enzyme 1 [Homo sapiens]	0.94	0.05	1.00	0.98	1.17	0.00	1.03	0.64
4757774	ADP-ribosylation factor-like protein 3 [Homo sapiens]	0.94	0.71	1.10	0.61	1.18	0.28	0.86	0.77
32189376	activating signal cointegrator 1 [Homo sapiens]	0.94		0.85		1.06		1.04	
3E+08	dynactin subunit 1 isoform 5 [Homo sapiens]	0.94	0.03	0.97	0.51	1.13	0.00	0.98	0.67
6678676	conserved oligomeric Golgi complex subunit 2 isoform 1 [Homo sapiens]	0.94	0.65	0.97	0.84	0.94	0.67	0.97	0.80
4826878	serine/threonine-protein kinase OSR1 [Homo sapiens]	0.94	0.22	1.05	0.38	1.14	0.02	0.85	0.01
5453906	CDP-diacylglycerol--inositol 3-phosphatidyltransferase [Homo sapiens]	0.94	0.70	0.86	0.38	0.85	0.46	1.04	0.76
25777732	aldehyde dehydrogenase, mitochondrial isoform 1 [Homo sapiens]	0.94	0.19	1.08	0.14	1.24	0.00	1.36	0.00
13027640	alpha-amino adipic semialdehyde synthase, mitochondrial isoform 1 [Homo sapiens]	0.93	0.66	1.36	0.26	1.27	0.34	1.63	0.21
1.17E+08	phosphopantothenate--cysteine ligase isoform 1 [Homo sapiens]	0.93	0.76	0.76	0.23	0.74	0.21	1.15	0.41
4506365	ras-related protein Rab-2A isoform a [Homo sapiens]	0.93	0.80	1.02	0.92	1.17	0.39	1.12	0.49
4503659	ubiquitin-like protein fubi and ribosomal protein L16 [Homo sapiens]	0.93		0.85		0.58		0.57	
5031981	26S proteasome non-ATPase regulatory subunit 1 [Homo sapiens]	0.93	0.33	0.90	0.16	0.97	0.67	0.93	0.28
66348062	acylpyruvase FAHD1, mitochondrial isoform 1 [Homo sapiens]	0.93	0.35	0.95	0.50	1.04	0.54	1.26	0.03
6005717	ATP synthase subunit e, mitochondrial [Homo sapiens]	0.93	0.64	0.84	0.06	1.05	0.62	1.07	0.83
62526031	neurochondrin isoform 2 [Homo sapiens]	0.93	0.52	1.02	0.81	0.66	0.22	1.00	0.99
16445426	WD repeat-containing protein 13 isoform 1 [Homo sapiens]	0.93		0.89		0.83		0.94	
24430151	26S protease regulatory subunit 4 [Homo sapiens]	0.93	0.46	0.83	0.05	0.86	0.49	0.80	0.40
5453607	T-complex protein 1 subunit eta isoform a [Homo sapiens]	0.93	0.24	1.04	0.37	1.02	0.69	0.88	0.12
5031815	lysine--tRNA ligase isoform 2 [Homo sapiens]	0.93	0.39	0.96	0.62	0.95	0.28	0.92	0.23

4506209	26S protease regulatory subunit 7 isoform 1 [Hc	0.93	0.16	0.98	0.68	0.98	0.60	0.98	0.76
5730041	suppressor of G2 allele of SKP1 homolog isofo	0.93	0.72	0.96	0.79	0.93	0.59	0.63	0.36
41281453	STE20-like serine/threonine-protein kinase [Ho	0.93	0.48	0.94	0.55	1.00	0.98	1.00	1.00
83700233	eukaryotic translation initiation factor 3 subunit	0.93	0.46	1.01	0.89	0.97	0.64	0.83	0.03
1.65E+08	rab GTPase-activating protein 1 [Homo sapiens	0.93	0.31	1.18	0.04	1.19	0.12	1.02	0.87
38202214	protein transport protein Sec23A [Homo sapiens	0.93	0.47	0.83	0.03	0.95	0.67	0.97	0.90
41350216	chitobiosyldiphosphodolichol beta-mannosyltran	0.93	0.66	0.94	0.66	1.00	0.97	0.93	0.59
32189394	ATP synthase subunit beta, mitochondrial precu	0.93	0.21	0.87	0.01	1.14	0.01	1.26	0.00
4758648	kinesin-1 heavy chain [Homo sapiens]	0.93	0.05	1.00	0.94	1.21	0.00	0.99	0.83
1.56E+08	insulin-degrading enzyme isoform 1 [Homo sapi	0.93	0.21	0.87	0.03	0.93	0.20	0.84	0.09
2.58E+08	transforming growth factor beta-1-induced trans	0.93	0.62	1.06	0.60	1.48	0.04	0.53	0.01
50345991	ATP synthase subunit delta, mitochondrial precu	0.93	0.60	0.91	0.50	1.16	0.38	1.21	0.30
3.84E+08	ankyrin repeat and FYVE domain-containing prc	0.93	0.47	1.17	0.19	0.89	0.28	1.37	0.06
2.91E+08	rab-like protein 6 isoform 3 [Homo sapiens]	0.93	0.51	1.00	0.99	1.15	0.26	0.99	0.98
4758774	NADH dehydrogenase [ubiquinone] 1 beta subc	0.93	0.49	0.88	0.38	0.88	0.29	1.00	0.99
4506919	N-sulphoglucosamine sulphohydrolase precursc	0.93	0.47	1.09	0.43	0.75	0.03	1.69	0.01
34335134	protein SEC13 homolog isoform 1 [Homo sapien	0.93	0.24	0.82	0.01	1.14	0.06	1.22	0.02
5729877	heat shock cognate 71 kDa protein isoform 1 [H	0.93	0.32	1.07	0.17	1.19	0.00	0.98	0.76
7662502	malignant T-cell-amplified sequence 1 isoform	10.93	0.56	0.92	0.51	1.02	0.83	1.00	0.99
65506891	4F2 cell-surface antigen heavy chain isoform c	0.93	0.13	0.98	0.58	1.88	0.00	0.55	0.00
4503521	eukaryotic translation initiation factor 3 subunit	0.93	0.14	0.96	0.43	0.89	0.03	0.75	0.01
4501859	short/branched chain specific acyl-CoA dehydro	0.93		0.53		0.29		0.01	
1.56E+08	ADP/ATP translocase 3 [Homo sapiens]	0.93	0.36	0.91	0.38	1.11	0.36	0.84	0.66
36796743	monofunctional C1-tetrahydrofolate synthase, m	0.93	0.28	0.99	0.92	0.96	0.52	0.72	0.17
34577055	F-box only protein 30 [Homo sapiens]	0.93		0.91		0.80		0.69	
21361619	toll-interacting protein [Homo sapiens]	0.93	0.67	0.82	0.31	0.90	0.41	1.13	0.43
1.58E+08	N-acetylgalactosaminyltransferase 7 [Homo sap	0.93		0.82		1.01		0.65	
4507783	ubiquitin-conjugating enzyme E2 H isoform 1 [H	0.93	0.59	1.18	0.34	0.89	0.46	0.45	0.14
1.94E+08	dipeptidyl peptidase 9 [Homo sapiens]	0.93	0.40	0.73	0.03	0.91	0.22	0.69	0.01
33350932	cytoplasmic dynein 1 heavy chain 1 [Homo sapi	0.93	0.00	0.98	0.41	1.14	0.00	0.99	0.80
70995396	NAD(P)H dehydrogenase [quinone] 1 isoform b	0.93	0.46	0.69	0.05	1.32	0.15	0.83	0.36
27501446	density-regulated protein [Homo sapiens]	0.93		0.87		0.90		0.94	
3.14E+08	E3 ubiquitin-protein ligase TRIM22 isoform 2 [H	0.93		0.59		0.92		1.08	
7705433	eukaryotic translation initiation factor 3 subunit	0.93	0.18	0.95	0.28	0.94	0.20	0.86	0.10
72534670	phospholipase A-2-activating protein [Homo saç	0.93	0.45	1.01	0.96	1.09	0.49	0.97	0.71
63025214	vacuolar ATPase assembly integral membrane	0.93		1.04		0.98		0.86	
31377667	lon protease homolog 2, peroxisomal [Homo saç	0.93		1.24		0.96		0.77	
4758040	cytochrome c oxidase subunit 6C proprotein [Hc	0.93	0.38	0.79	0.05	0.80	0.05	1.35	0.09
5453956	serine/threonine-protein phosphatase 2A 56 kD;	0.93	0.70	0.87	0.45	1.06	0.72	0.89	0.51
4504067	aspartate aminotransferase, cytoplasmic [Homo	0.93	0.12	0.97	0.51	0.95	0.34	1.02	0.82
41393561	cytosol aminopeptidase [Homo sapiens]	0.93	0.09	0.91	0.02	0.81	0.00	1.07	0.35
3.17E+08	NADH-ubiquinone oxidoreductase 75 kDa subu	0.93	0.30	0.81	0.01	0.90	0.16	0.93	0.42
26638657	39S ribosomal protein L20, mitochondrial [Hom	0.93	0.58	0.91	0.52	0.95	0.71	1.12	0.51
8923390	coiled-coil-helix-coiled-coil-helix domain-contain	0.93	0.20	0.91	0.12	1.09	0.27	1.09	0.15
45597177	TBC1 domain family member 9B isoform b [Hon	0.93	0.59	0.92	0.51	1.04	0.69	0.86	0.35
1.89E+08	polyribonucleotide nucleotidyltransferase 1, mitc	0.92	0.49	0.86	0.20	0.87	0.24	1.03	0.78
21614499	ezrin [Homo sapiens]	0.92	0.48	1.00	1.00	1.11	0.04	0.73	0.01
28178821	isocitrate dehydrogenase [NAD] subunit beta, m	0.92	0.84	0.89	0.69	0.88	0.41	1.07	0.64
16579885	60S ribosomal protein L4 [Homo sapiens]	0.92	0.11	0.89	0.01	0.93	0.29	0.91	0.27
20357529	guanine nucleotide-binding protein G(l)/G(s)/G(	0.92		1.00		0.92		1.01	
85362737	UPF0687 protein C20orf27 isoform 1 [Homo saç	0.92		0.88		0.70		0.79	
1.94E+08	kinesin light chain 1 isoform 3 [Homo sapiens]	0.92	0.30	1.02	0.75	1.17	0.05	0.85	0.12
5174741	ubiquitin carboxyl-terminal hydrolase isozyme L;	0.92	0.31	0.84	0.24	0.97	0.71	0.83	0.06
7705704	glutathione S-transferase kappa 1 isoform a [Hc	0.92	0.28	0.73	0.02	0.78	0.02	0.88	0.49
11056036	tubulin--tyrosine ligase-like protein 12 [Homo sa	0.92	0.59	0.88	0.24	0.83	0.05	0.88	0.44
7657599	sorting nexin-5 [Homo sapiens]	0.92	0.59	0.93	0.75	0.87	0.39	1.46	0.40



6274550	NADH dehydrogenase [ubiquinone] 1 beta subc	0.92	0.34	0.89	0.31	0.84	0.11	0.98	0.77
20127408	trifunctional enzyme subunit alpha, mitochondri	0.92	0.09	0.80	0.00	1.13	0.00	1.30	0.00
20127454	bifunctional purine biosynthesis protein PURH [I	0.92	0.11	0.83	0.00	0.68	0.00	0.71	0.00
3.01E+08	NADH dehydrogenase [ubiquinone] 1 alpha sub	0.92		1.15		0.95		0.99	
66737374	protein S100-A13 [Homo sapiens]	0.92	0.24	0.59	0.00	1.56	0.00	0.83	0.05
4505861	tissue-type plasminogen activator isoform 1 pre	0.92		1.09		0.47		0.51	
4506589	RNA 3'-terminal phosphate cyclase isoform b [H	0.92	0.51	0.77	0.30	0.76	0.34	0.68	0.30
18390331	elongation factor G, mitochondrial [Homo sapien	0.92	0.42	0.90	0.32	0.75	0.27	0.85	0.44
1.07E+08	ras-related protein Rab-12 [Homo sapiens]	0.92		0.88		1.13		0.98	
52694755	regulator of G-protein signaling 10 isoform a [Hc	0.92	0.84	0.71	0.54	1.69	0.12	0.97	0.83
1.18E+08	growth hormone-inducible transmembrane prote	0.92		0.88		0.91		1.01	
5453710	LIM and SH3 domain protein 1 isoform a [Homo	0.92	0.28	0.91	0.22	1.88	0.00	0.97	0.67
31377644	ATPase family AAA domain-containing protein 10	0.92	0.59	0.87	0.15	0.85	0.36	0.59	0.33
2.05E+08	cysteine-rich with EGF-like domain protein 2 iso	0.92		1.26		1.08		1.13	
48762932	T-complex protein 1 subunit theta [Homo sapien	0.92	0.03	1.01	0.71	1.03	0.34	0.87	0.00
11345462	signal peptidase complex subunit 3 [Homo sapi	0.92		1.08		1.14		1.19	
4759344	centromere/kinetochore protein zw10 homolog [	0.92	0.41	1.07	0.44	0.95	0.53	0.91	0.42
4827006	solute carrier family 12 member 4 isoform a [Ho	0.92	0.40	0.81	0.26	1.08	0.53	0.78	0.57
1.03E+08	charged multivesicular body protein 1a isoform	0.92	0.56	1.03	0.81	1.04	0.79	1.17	0.37
4826934	serine/threonine-protein phosphatase 4 regulat	0.92	0.51	0.82	0.20	0.69	0.23	0.40	0.01
3.25E+08	conserved oligomeric Golgi complex subunit 3 [I	0.92	0.47	0.89	0.33	0.88	0.30	0.87	0.95
5453740	myosin regulatory light chain 12A [Homo sapien	0.92	0.89	0.84	0.66	1.44	0.26	0.56	0.47
4758762	asparagine--tRNA ligase, cytoplasmic [Homo sa	0.92	0.24	1.04	0.62	0.99	0.87	0.83	0.03
23111034	sorting nexin-1 isoform a [Homo sapiens]	0.92	0.26	0.91	0.13	0.95	0.40	1.15	0.08
4502981	cytochrome c oxidase subunit 4 isoform 1, mitoc	0.92	0.22	0.83	0.02	0.90	0.12	1.18	0.04
19923881	glucosamine-6-phosphate isomerase 2 isoform	0.92	0.58	0.98	0.86	0.89	0.53	1.39	0.20
1.45E+08	laminin subunit gamma-1 precursor [Homo sapi	0.92	0.42	1.09	0.31	1.41	0.00	0.70	0.01
2.55E+08	7-dehydrocholesterol reductase [Homo sapiens]	0.92	0.17	0.67	0.00	1.72	0.00	1.55	0.01
5730037	exocyst complex component 5 [Homo sapiens]	0.92	0.70	0.98	0.83	1.11	0.34	0.97	0.85
4506743	40S ribosomal protein S8 [Homo sapiens]	0.92	0.30	0.97	0.75	1.03	0.68	1.00	0.99
23238222	COP9 signalosome complex subunit 3 isoform 10	0.92	0.53	1.08	0.37	0.86	0.34	0.92	0.46
4505355	NADH dehydrogenase [ubiquinone] 1 alpha sub	0.92	0.55	1.01	0.93	0.85	0.34	1.02	0.89
4757768	rho GDP-dissociation inhibitor 1 isoform a [Hom	0.92	0.16	1.02	0.68	0.90	0.06	0.91	0.17
4.4E+08	heat shock protein 75 kDa, mitochondrial isoform	0.92	0.14	0.99	0.85	1.00	0.95	1.25	0.00
1.16E+08	neprilysin [Homo sapiens]	0.92	0.85	0.78	0.48	0.60	0.10	1.42	0.05
1.55E+08	vinexin isoform 1 [Homo sapiens]	0.92	0.76	0.91	0.54	1.03	0.82	0.63	0.41
68303575	casein kinase I isoform alpha isoform 1 [Homo	0.92	0.56	0.95	0.72	1.02	0.86	0.73	0.40
4506179	proteasome subunit alpha type-1 isoform 2 [Hor	0.92	0.15	0.82	0.00	0.91	0.42	0.89	0.33
57164975	treacle protein isoform b [Homo sapiens]	0.92	0.81	1.04	0.90	1.44	0.11	1.17	0.62
3.39E+08	AP-2 complex subunit alpha-2 isoform 1 [Homo	0.92	0.35	0.91	0.09	1.16	0.08	0.86	0.12
1.17E+08	E3 ubiquitin-protein ligase HACE1 [Homo sapien	0.92	0.83	1.04	0.94	0.93	0.61	1.16	0.67
4501901	aminoacylase-1 isoform a [Homo sapiens]	0.92	0.58	0.86	0.40	0.77	0.47	0.87	0.44
22538467	proteasome subunit beta type-4 [Homo sapiens]	0.92	0.25	0.94	0.41	0.90	0.18	0.95	0.50
7705696	thioredoxin domain-containing protein 12 precu	0.92	0.45	0.74	0.08	1.04	0.70	0.81	0.14
1.2E+08	heat shock 70 kDa protein 12A [Homo sapiens]	0.92		0.80		1.20		1.42	
3.59E+08	steroid receptor RNA activator 1 isoform 2 [Hom	0.92		0.71		1.07		0.63	
5453760	NEDD8 precursor [Homo sapiens]	0.92	0.44	0.88	0.30	1.02	0.85	1.09	0.46
11321583	succinyl-CoA ligase [ADP-forming] subunit beta	0.92	0.24	0.96	0.52	1.08	0.31	1.37	0.02
5729991	26S protease regulatory subunit 6B isoform 1 [F	0.92	0.11	0.93	0.19	0.95	0.47	0.89	0.31
7549793	transducin beta-like protein 2 precursor [Homo	0.92	0.27	0.79	0.03	0.89	0.30	0.88	0.29
2.02E+08	AH receptor-interacting protein [Homo sapiens]	0.92	0.51	0.97	0.83	0.86	0.27	0.97	0.78
41327764	aflatoxin B1 aldehyde reductase member 2 [Hor	0.92	0.18	1.07	0.42	0.86	0.04	1.11	0.13
2.63E+08	lysosomal protective protein isoform c precursor	0.92	0.36	0.63	0.00	0.76	0.01	1.11	0.48
5031569	alpha-centractin [Homo sapiens]	0.92	0.10	0.87	0.02	1.20	0.01	0.96	0.62
35493916	dolichyl-diphosphooligosaccharide--protein gly	0.91	0.14	0.89	0.14	1.03	0.76	0.97	0.44
2.4E+08	myotubularin-related protein 5 [Homo sapiens]	0.91		1.01		0.99		0.63	

28395033	rho-related GTP-binding protein RhoC precursor	0.91	0.40	0.77	0.02	1.00	0.97	0.83	0.04
75677325	kinase suppressor of Ras 1 [Homo sapiens]	0.91		0.86		0.87		0.82	
4505369	NADH dehydrogenase [ubiquinone] iron-sulfur p	0.91	0.54	0.82	0.30	0.89	0.47	0.89	0.54
34577075	acyl-coenzyme A thioesterase 8 [Homo sapiens]	0.91		0.58		0.46		0.36	
31317231	peptidyl-prolyl cis-trans isomerase FKBP7 isofo	0.91	0.41	0.84	0.19	1.09	0.69	1.60	0.17
4504505	peroxisomal multifunctional enzyme type 2 isofo	0.91	0.24	1.01	0.84	0.86	0.00	0.89	0.14
3.73E+08	glutaminase kidney isoform, mitochondrial isofo	0.91	0.07	0.61	0.00	1.04	0.38	0.93	0.15
1.94E+08	cysteine and histidine-rich protein 1 isoform 1 p	0.91	0.51	1.13	0.41	1.17	0.23	1.17	0.22
17999541	vacuolar protein sorting-associated protein 35 [H	0.91	0.11	0.95	0.46	0.96	0.45	0.97	0.74
22538393	A-kinase anchor protein 9 isoform 3 [Homo sapi	0.91		0.98		1.08		0.94	
4506619	60S ribosomal protein L24 [Homo sapiens]	0.91	0.43	0.81	0.08	0.97	0.81	0.77	0.44
62241046	exocyst complex component 7 isoform 1 [Homo	0.91	0.19	0.98	0.75	0.99	0.88	1.00	0.98
4506289	tyrosine-protein phosphatase non-receptor type	0.91	0.38	0.77	0.19	1.54	0.03	0.66	0.19
40254986	hydroxysteroid dehydrogenase-like protein 2 iso	0.91	0.39	1.21	0.26	0.89	0.29	0.99	0.97
1.5E+08	xaa-Pro dipeptidase isoform 1 [Homo sapiens]	0.91	0.08	0.91	0.08	0.82	0.01	1.04	0.39
4506631	60S ribosomal protein L30 [Homo sapiens]	0.91	0.54	0.90	0.32	0.95	0.51	0.97	0.66
24308013	mitochondrial-processing peptidase subunit alp	0.91	0.36	0.83	0.08	1.11	0.32	1.25	0.08
4826665	copper chaperone for superoxide dismutase [Hc	0.91		0.99		1.46		1.51	
5901896	ATP synthase subunit epsilon, mitochondrial [Hc	0.91	0.52	0.83	0.35	1.08	0.59	1.08	0.58
6453813	butyrophilin subfamily 2 member A2 isoform a p	0.91		1.08		1.23		0.88	
23943912	phosphoinositide 3-kinase regulatory subunit 4 [	0.91	0.27	0.78	0.04	0.90	0.32	0.74	0.07
5453593	adenylyl cyclase-associated protein 2 [Homo sa	0.91	0.17	0.96	0.66	1.04	0.54	1.13	0.69
4758714	microsomal glutathione S-transferase 3 [Homo s	0.91	0.57	0.91	0.40	1.72	0.20	1.58	0.16
1.24E+08	proliferation-associated protein 2G4 [Homo sapi	0.91	0.03	0.92	0.04	0.95	0.16	0.93	0.22
71773010	AP-1 complex subunit gamma-1 isoform a [Hom	0.91	0.16	0.87	0.09	0.95	0.61	0.78	0.10
58197556	putative transferase CAF17, mitochondrial precu	0.91		1.01		1.09		1.12	
46852390	coiled-coil domain-containing protein 6 [Homo s	0.91	0.17	1.14	0.26	1.21	0.14	1.46	0.12
4506679	40S ribosomal protein S10 [Homo sapiens]	0.91	0.53	0.97	0.81	0.98	0.86	0.90	0.49
1.71E+08	dynamin-1-like protein isoform 1 [Homo sapiens]	0.91	0.08	0.98	0.68	0.94	0.20	0.97	0.56
15826852	Golgi resident protein GCP60 [Homo sapiens]	0.91	0.14	0.87	0.11	0.97	0.70	0.98	0.88
4505651	ethanolamine-phosphate cytidyltransferase isc	0.91	0.47	0.93	0.45	0.99	0.92	0.99	0.93
66348091	vacuolar protein sorting-associated protein 13C	0.91	0.50	1.05	0.78	1.12	0.47	1.14	0.37
21361497	acyl-CoA dehydrogenase family member 9, mitc	0.91	0.29	0.79	0.02	0.77	0.07	1.11	0.20
50345984	ATP synthase subunit alpha, mitochondrial isofo	0.91	0.04	0.90	0.01	1.16	0.02	1.32	0.01
4503481	elongation factor 1-gamma [Homo sapiens]	0.91	0.09	0.87	0.01	0.99	0.87	0.87	0.03
3.31E+08	chromatin target of PRMT1 protein isoform 2 [Hc	0.91		1.03		0.93		1.15	
19923262	ras-related protein Rab-5A [Homo sapiens]	0.91	0.40	0.90	0.44	1.14	0.30	1.20	0.67
4507793	ubiquitin-conjugating enzyme E2 N [Homo sapie	0.91	0.45	0.91	0.57	0.95	0.78	0.92	0.70
1.24E+08	phenylalanine--tRNA ligase beta subunit [Homo	0.91	0.05	0.92	0.17	0.79	0.01	0.84	0.03
4505361	NADH dehydrogenase [ubiquinone] 1 beta subc	0.91		0.75		0.72		0.35	
38570062	Golgi to ER traffic protein 4 homolog [Homo sap	0.91	0.36	1.03	0.85	0.94	0.56	0.81	0.46
4506663	60S ribosomal protein L8 [Homo sapiens]	0.91	0.20	0.88	0.03	0.98	0.78	0.95	0.65
4503523	eukaryotic translation initiation factor 3 subunit [	0.91	0.26	0.95	0.64	0.97	0.81	0.87	0.40
4758988	ras-related protein Rab-1A isoform 1 [Homo sap	0.91	0.20	0.96	0.51	1.34	0.01	1.16	0.34
4507651	tropomyosin alpha-4 chain isoform 2 [Homo sap	0.91	0.52	0.85	0.30	1.43	0.06	0.70	0.09
7662150	glycosaminoglycan xylosylkinase [Homo sapien	0.91	0.69	0.97	0.93	0.91	0.73	0.93	0.62
3.05E+08	elongation factor 1-delta isoform 1 [Homo sapie	0.91	0.15	0.92	0.31	1.07	0.65	0.95	0.68
4505585	platelet-activating factor acetylhydrolase IB sub	0.90	0.44	0.87	0.55	0.93	0.46	0.93	0.44
1.18E+08	ribosomal L1 domain-containing protein 1 [Hom	0.90	0.08	0.92	0.27	0.75	0.02	0.81	0.11
3.72E+08	sorting nexin-12 isoform 1 [Homo sapiens]	0.90		0.94		1.10		1.01	
4758032	coatamer subunit beta' [Homo sapiens]	0.90	0.01	0.87	0.00	1.02	0.48	0.96	0.28
5453555	GTP-binding nuclear protein Ran [Homo sapien	0.90	0.20	0.94	0.30	0.76	0.00	0.92	0.17
31542319	coatamer subunit epsilon isoform a [Homo sapie	0.90	0.08	0.89	0.04	0.99	0.79	0.97	0.60
30240932	EH domain-containing protein 1 [Homo sapiens]	0.90	0.27	0.79	0.03	1.03	0.65	0.76	0.03
83641896	nucleotide exchange factor SIL1 precursor [Hon	0.90	0.67	0.79	0.36	0.74	0.03	0.73	0.37
38176151	protein lunapark [Homo sapiens]	0.90	0.37	0.94	0.73	1.00	0.99	1.06	0.71

4.07E+08	ER membrane protein complex subunit 1 isoform	0.90	0.19	0.95	0.31	1.07	0.51	0.80	0.06
6912638	ras suppressor protein 1 isoform 1 [Homo sapiens]	0.90	0.28	0.88	0.11	1.40	0.03	0.81	0.02
53692187	actin-related protein 2 isoform a [Homo sapiens]	0.90	0.08	0.92	0.15	1.23	0.00	0.79	0.00
2.16E+08	magnesium transporter protein 1 [Homo sapiens]	0.90	0.52	0.91	0.54	1.08	0.60	1.14	0.64
47933397	lanosterol synthase isoform 1 [Homo sapiens]	0.90	0.04	0.86	0.01	1.13	0.02	1.29	0.00
4507143	sorting nexin-3 isoform a [Homo sapiens]	0.90	0.23	0.89	0.20	0.87	0.13	1.10	0.53
55749523	syntenin-1 isoform 3 [Homo sapiens]	0.90		0.92		0.81		0.81	
4758012	clathrin heavy chain 1 [Homo sapiens]	0.90	0.02	0.87	0.00	0.96	0.28	0.85	0.00
4759212	tubulin-specific chaperone A [Homo sapiens]	0.90	0.42	1.01	0.94	0.97	0.73	0.98	0.75
9910460	omega-amidase NIT2 [Homo sapiens]	0.90	0.46	0.80	0.10	0.77	0.04	0.78	0.16
1.67E+08	cytoplasmic dynein 1 light intermediate chain 1 [Homo sapiens]	0.90	0.09	0.94	0.31	1.01	0.85	0.77	0.04
4502419	flavin reductase (NADPH) [Homo sapiens]	0.90	0.34	0.83	0.42	0.70	0.26	0.99	0.91
1.15E+08	succinate dehydrogenase [ubiquinone] iron-sulfur protein 1 [Homo sapiens]	0.90	0.09	0.84	0.02	0.99	0.92	1.18	0.04
85797673	boLA-like protein 2 [Homo sapiens]	0.90	0.34	0.70	0.35	0.70	0.30	0.62	0.25
2.14E+08	40S ribosomal protein S24 isoform d [Homo sapiens]	0.90	0.38	0.90	0.33	0.89	0.21	0.85	0.15
4758256	eukaryotic translation initiation factor 2 subunit 1 [Homo sapiens]	10.90	0.12	0.93	0.26	0.80	0.01	0.86	0.04
3.17E+08	60S ribosomal protein L36a isoform a [Homo sapiens]	0.90	0.55	1.03	0.86	1.01	0.92	1.03	0.88
40068481	histone-lysine N-methyltransferase setd3 isoform 1 [Homo sapiens]	0.90	0.34	1.02	0.83	1.10	0.47	0.78	0.10
4885225	RNA-binding protein EWS isoform 2 [Homo sapiens]	0.90		1.03		1.19		1.43	
3.09E+08	dihydropyrimidinase-related protein 3 isoform 1 [Homo sapiens]	0.90	0.11	0.94	0.28	1.35	0.00	0.41	0.00
5031573	actin-related protein 3 isoform 1 [Homo sapiens]	0.90	0.03	0.87	0.00	1.15	0.01	0.74	0.00
2.56E+08	perilipin-3 isoform 1 [Homo sapiens]	0.90	0.06	0.84	0.00	1.12	0.01	0.96	0.34
33300635	zinc finger protein-like 1 [Homo sapiens]	0.90		0.85		1.13		0.78	
34147630	elongation factor Tu, mitochondrial precursor [Homo sapiens]	0.90	0.08	0.93	0.29	1.09	0.24	1.26	0.01
20070197	dolichyl-diphosphooligosaccharide--protein glycosyltransferase 1 [Homo sapiens]	0.90	0.17	0.90	0.20	1.08	0.19	1.05	0.37
5031707	leucine-rich repeat-containing protein 32 precursor [Homo sapiens]	0.90		0.83		0.91		0.60	
4826940	lysosomal Pro-X carboxypeptidase isoform 1 precursor [Homo sapiens]	0.90	0.31	1.08	0.45	0.73	0.20	0.87	0.24
4506643	60S ribosomal protein L37a [Homo sapiens]	0.90	0.61	0.82	0.16	0.85	0.57	0.79	0.51
4504901	importin subunit alpha-4 [Homo sapiens]	0.89	0.34	1.04	0.72	1.08	0.52	0.91	0.39
21265096	39S ribosomal protein L50, mitochondrial [Homo sapiens]	0.89	0.46	0.88	0.41	1.16	0.23	1.08	0.47
83267868	dynein light chain 1, cytoplasmic [Homo sapiens]	0.89	0.13	1.05	0.58	1.17	0.05	1.09	0.35
1.49E+08	coatamer subunit alpha isoform 2 [Homo sapiens]	0.89	0.01	0.81	0.00	0.98	0.61	0.97	0.49
13904870	40S ribosomal protein S5 [Homo sapiens]	0.89	0.26	0.98	0.82	0.98	0.89	1.10	0.50
4759068	protein SCO1 homolog, mitochondrial [Homo sapiens]	0.89	0.57	0.88	0.47	0.96	0.78	1.31	0.26
3.33E+08	nascent polypeptide-associated complex subunit 1 [Homo sapiens]	0.89	0.49	0.89	0.55	0.78	0.25	0.76	0.22
4505183	CD99 antigen isoform a precursor [Homo sapiens]	0.89		0.93		1.22		1.21	
8923579	regulator complex protein LAMTOR1 [Homo sapiens]	0.89	0.33	0.86	0.22	0.65	0.04	0.77	0.18
25777602	26S proteasome non-ATPase regulatory subunit 1 [Homo sapiens]	0.89	0.01	0.89	0.00	0.99	0.90	0.90	0.02
1.14E+08	vacuolar protein sorting-associated protein 41 homolog 1 [Homo sapiens]	0.89	0.84	0.90	0.81	0.76	0.47	0.91	0.66
46852166	MAP/microtubule affinity-regulating kinase 3 isoform 1 [Homo sapiens]	0.89	0.46	1.40	0.18	1.56	0.15	1.03	0.83
10047140	RNA-binding protein PNO1 [Homo sapiens]	0.89	0.52	1.02	0.91	0.98	0.84	0.94	0.83
4507353	TATA-binding protein-associated factor 2N isoform 1 [Homo sapiens]	0.89	0.38	1.27	0.22	1.46	0.17	1.89	0.16
1.87E+08	NADH dehydrogenase [ubiquinone] iron-sulfur protein 1 [Homo sapiens]	0.89	0.52	0.89	0.33	1.01	0.95	1.17	0.22
4507213	signal recognition particle 19 kDa protein isoform 1 [Homo sapiens]	0.89	0.66	1.07	0.61	1.01	0.99	1.23	0.56
5803135	ras-related protein Rab-35 isoform 1 [Homo sapiens]	0.89	0.46	0.92	0.57	1.31	0.22	1.45	0.17
54873613	agrin precursor [Homo sapiens]	0.89		1.00		2.42		1.32	
55743106	collagen alpha-3(VI) chain isoform 5 precursor [Homo sapiens]	0.89	0.00	1.48	0.00	0.51	0.00	0.65	0.00
1.9E+08	uncharacterized protein C17orf59 [Homo sapiens]	0.89		0.65		0.86		1.08	
29725607	protein unc-45 homolog A isoform 2 [Homo sapiens]	0.89	0.30	0.92	0.72	0.82	0.15	0.72	0.14
1.54E+08	mitochondrial inner membrane protein isoform 1 [Homo sapiens]	10.89	0.11	0.88	0.13	1.07	0.38	1.04	0.67
77404397	staphylococcal nuclease domain-containing protein 1 [Homo sapiens]	0.89	0.00	0.86	0.00	1.07	0.10	1.06	0.25
23618867	sideroflexin-1 [Homo sapiens]	0.89	0.23	0.80	0.04	0.93	0.63	0.97	0.90
4758958	cAMP-dependent protein kinase type II-alpha isoform 1 [Homo sapiens]	0.89	0.14	0.87	0.12	1.06	0.49	1.18	0.14
3.33E+08	39S ribosomal protein L45, mitochondrial [Homo sapiens]	0.89	0.61	0.86	0.62	0.96	0.76	1.06	0.79
48255968	UTP--glucose-1-phosphate uridylyltransferase isoform 1 [Homo sapiens]	0.89	0.09	0.96	0.50	1.17	0.01	0.91	0.12
4507953	14-3-3 protein zeta/delta [Homo sapiens]	0.89	0.05	0.86	0.01	1.18	0.01	0.97	0.68

13376751	proteasomal ATPase-associated factor 1 isoform 1	0.89	0.45	0.82	0.29	0.73	0.19	0.74	0.20
11415026	60S ribosomal protein L18a [Homo sapiens]	0.89	0.05	0.78	0.00	0.85	0.02	0.70	0.00
2.23E+08	choline transporter-like protein 2 isoform 1 [Homo sapiens]	0.89	0.45	1.00	0.98	1.02	0.87	1.32	0.22
2.27E+08	ras GTPase-activating protein nGAP isoform 2 [Homo sapiens]	0.89		1.20		1.09		0.80	
4557553	emerin [Homo sapiens]	0.89	0.33	0.91	0.36	1.08	0.44	0.96	0.66
5174735	tubulin beta-4B chain [Homo sapiens]	0.89	0.46	1.03	0.81	0.80	0.27	0.79	0.26
63252870	protein OS-9 isoform 4 precursor [Homo sapiens]	0.89		1.10		0.88		0.84	
4507491	thimet oligopeptidase [Homo sapiens]	0.89	0.18	0.93	0.41	1.03	0.83	1.05	0.53
11024700	mitochondrial import inner membrane translocator	0.89		0.89		0.89		1.03	
4506651	60S ribosomal protein L36a-like [Homo sapiens]	0.89	0.44	0.98	0.89	0.99	0.93	1.00	0.99
9910346	chromosome 15 open reading frame 24 precursor	0.89		0.87		1.34		0.96	
1.92E+08	probable glutathione peroxidase 8 [Homo sapiens]	0.89	0.11	0.79	0.01	1.05	0.46	1.28	0.01
4505695	3-phosphoinositide-dependent protein kinase 1	0.89	0.28	1.03	0.79	1.14	0.24	0.93	0.52
91199540	dihydrolipoyl dehydrogenase, mitochondrial precursor	0.89	0.05	0.91	0.10	1.07	0.21	1.36	0.00
4507521	transketolase isoform 1 [Homo sapiens]	0.88	0.01	0.71	0.00	1.19	0.00	1.00	0.95
6912482	LETM1 and EF-hand domain-containing protein	0.88	0.12	1.06	0.71	1.12	0.08	1.03	0.79
40288288	histone-arginine methyltransferase CARM1 [Homo sapiens]	0.88	0.09	1.10	0.15	1.11	0.13	1.34	0.04
6912328	N(G),N(G)-dimethylarginine dimethylaminohydrochloride	0.88		1.97		0.61		1.09	
4507171	SPARC precursor [Homo sapiens]	0.88	0.07	1.21	0.02	1.51	0.00	0.83	0.06
5174445	lanC-like protein 1 [Homo sapiens]	0.88	0.44	0.94	0.76	1.04	0.74	1.16	0.60
5031595	actin-related protein 2/3 complex subunit 4 isoform 1	0.88	0.09	0.93	0.33	1.17	0.05	0.77	0.10
7706495	dnaJ homolog subfamily B member 11 precursor	0.88	0.24	1.04	0.67	1.14	0.05	0.96	0.51
62198235	drebrin-like protein isoform b [Homo sapiens]	0.88	0.13	0.97	0.59	1.05	0.45	1.06	0.49
1.69E+08	translocon-associated protein subunit alpha precursor	0.88	0.35	0.71	0.20	0.98	0.88	0.69	0.22
5803225	14-3-3 protein epsilon [Homo sapiens]	0.88	0.03	1.08	0.08	1.08	0.18	1.00	0.94
23111038	sorting nexin-2 [Homo sapiens]	0.88	0.13	0.89	0.17	0.94	0.41	1.54	0.00
41399285	60 kDa heat shock protein, mitochondrial [Homo sapiens]	0.88	0.01	0.89	0.01	1.03	0.64	1.20	0.01
1.54E+08	UPF0515 protein C19orf66 [Homo sapiens]	0.88		1.07		0.99		0.71	
4.22E+08	cytoplasmic dynein 1 intermediate chain 2 isoform 1	0.88	0.23	1.00	0.98	1.18	0.06	1.09	0.17
38679954	active breakpoint cluster region-related protein 1	0.88	0.49	0.87	0.74	0.81	0.47	0.86	0.82
14861836	alpha-1,3/1,6-mannosyltransferase ALG2 [Homo sapiens]	0.88	0.26	0.89	0.29	1.09	0.39	0.99	0.94
76496475	very long-chain specific acyl-CoA dehydrogenase	0.88	0.16	0.70	0.00	0.88	0.17	0.98	0.78
4506183	proteasome subunit alpha type-3 isoform 1 [Homo sapiens]	0.88	0.11	0.91	0.24	0.92	0.30	1.05	0.66
4.3E+08	signal peptidase complex catalytic subunit SEC1	0.88	0.28	0.94	0.53	1.02	0.86	1.06	0.42
2.57E+08	probable ATP-dependent RNA helicase DDX28	0.88		0.80		0.58		0.69	
6005731	calcineurin B homologous protein 1 [Homo sapiens]	0.88	0.17	0.67	0.01	1.07	0.43	0.90	0.46
4504483	hypoxanthine-guanine phosphoribosyltransferase	0.88	0.25	0.80	0.11	0.66	0.04	0.72	0.29
7705369	coatamer subunit beta [Homo sapiens]	0.88	0.06	0.90	0.10	1.05	0.28	1.04	0.50
4502993	cytochrome c oxidase subunit 7C, mitochondrial	0.88		0.85		0.86		1.50	
16117789	60S ribosomal protein L34 [Homo sapiens]	0.88	0.19	0.72	0.02	0.97	0.76	0.82	0.08
7705274	armadillo repeat-containing X-linked protein 3 [Homo sapiens]	0.88	0.25	0.78	0.09	0.76	0.14	0.74	0.07
14149607	H(+)/Cl(-) exchange transporter 7 isoform a [Homo sapiens]	0.88	0.30	0.86	0.39	0.75	0.22	0.96	0.80
73623030	carnitine O-palmitoyltransferase 1, liver isoform	0.88	0.15	0.61	0.00	0.39	0.00	0.73	0.02
2.26E+08	40S ribosomal protein S20 isoform 1 [Homo sapiens]	0.88	0.42	0.85	0.35	0.99	0.93	0.99	0.96
21264565	AT-rich interactive domain-containing protein 1A	0.88	0.74	1.01	0.96	1.08	0.86	1.10	0.76
1.5E+08	focadhesin [Homo sapiens]	0.88	0.26	0.77	0.09	0.86	0.21	0.90	0.43
3.09E+08	dihydropyrimidinase-related protein 2 isoform 1	0.88	0.24	1.15	0.08	0.85	0.04	0.97	0.75
66932916	mitogen-activated protein kinase 1 [Homo sapiens]	0.88	0.12	0.93	0.41	0.87	0.07	0.85	0.13
4506387	UV excision repair protein RAD23 homolog B isoform 1	0.88	0.08	0.84	0.04	1.00	0.96	1.13	0.04
41393608	reticulon-3 isoform b [Homo sapiens]	0.88	0.41	1.03	0.88	1.15	0.39	0.96	0.92
9966827	PEST proteolytic signal-containing nuclear protein	0.88	0.45	1.06	0.72	1.12	0.49	1.09	0.59
1.18E+08	kinectin isoform a [Homo sapiens]	0.88	0.13	0.86	0.08	0.87	0.01	0.78	0.00
52145310	GDH/6PGL endoplasmic bifunctional protein precursor	0.88	0.03	0.90	0.07	1.01	0.80	1.35	0.00
1.7E+08	ATP-dependent RNA helicase DDX3Y [Homo sapiens]	0.88		0.96		1.08		0.90	
40018629	WASH complex subunit 7 [Homo sapiens]	0.88	0.26	0.87	0.17	0.86	0.15	0.87	0.23
28827795	charged multivesicular body protein 4b [Homo sapiens]	0.88	0.14	0.89	0.09	1.02	0.75	0.85	0.04

4503499	eukaryotic translation initiation factor 1A, X-chro	0.88	0.08	0.97	0.67	0.82	0.02	0.90	0.19
8051579	adenylate kinase isoenzyme 4, mitochondrial [H	0.88	0.55	0.86	0.55	1.29	0.04	0.82	0.34
1.94E+08	leucine-rich repeat-containing protein 57 [Homo	0.88		1.00		1.13		1.09	
4506013	protein phosphatase 1 regulatory subunit 7 [Hor	0.88	0.04	0.88	0.05	0.91	0.12	1.00	1.00
4.1E+08	brain acid soluble protein 1 [Homo sapiens]	0.88	0.02	0.94	0.23	1.06	0.24	1.48	0.00
4506629	60S ribosomal protein L29 [Homo sapiens]	0.87	0.26	0.81	0.14	0.92	0.45	0.81	0.17
18379366	CAAX prenyl protease 1 homolog [Homo sapien	0.87	0.28	0.93	0.53	1.08	0.45	0.88	0.28
13994151	PDZ and LIM domain protein 1 [Homo sapiens]	0.87	0.14	0.73	0.02	2.20	0.00	0.92	0.60
32455271	protein O-mannosyl-transferase 2 [Homo sapier	0.87		0.81		0.64		0.72	
2.24E+08	protein LYRIC [Homo sapiens]	0.87	0.19	0.86	0.20	0.87	0.29	0.94	0.64
4.1E+08	PREDICTED: uncharacterized protein LOC1002	0.87	0.60	0.85	0.63	0.92	0.63	0.92	0.58
4506189	proteasome subunit alpha type-7 [Homo sapien	0.87	0.02	0.91	0.05	1.02	0.76	1.02	0.80
94536771	cytochrome c oxidase assembly protein 3 homo	0.87		0.93		1.13		1.13	
4505621	phosphatidylethanolamine-binding protein 1 pre	0.87	0.17	0.99	0.82	0.77	0.00	0.94	0.37
48762920	6-phosphofructokinase, liver type [Homo sapien	0.87	0.52	0.93	0.64	0.99	0.86	0.81	0.07
51873036	2-oxoglutarate dehydrogenase, mitochondrial is	0.87	0.05	0.67	0.00	0.95	0.34	1.36	0.00
1.62E+08	signal peptidase complex subunit 2 [Homo sapi	0.87	0.44	0.92	0.55	1.02	0.80	0.86	0.65
26051240	tumor necrosis factor alpha-induced protein 2 [F	0.87		0.33		1.62		0.61	
1.54E+08	microtubule-associated protein 1B [Homo sapie	0.87	0.00	1.05	0.04	0.99	0.63	0.87	0.00
4506203	proteasome subunit beta type-7 proprotein [Hon	0.87	0.21	0.90	0.36	1.01	0.89	0.97	0.71
19923315	serine hydroxymethyltransferase, mitochondrial	0.87	0.03	0.88	0.05	0.89	0.18	0.94	0.35
1.46E+08	sulfhydryl oxidase 2 precursor [Homo sapiens]	0.87		1.65		0.75		0.97	
55770884	ubiquitin-associated domain-containing protein	0.87		1.07		0.97		1.12	
4508021	zinc finger protein ZPR1 [Homo sapiens]	0.87	0.41	1.02	0.93	0.85	0.34	0.79	0.25
1.2E+08	laminin subunit beta-2 precursor [Homo sapiens	0.87	0.16	0.98	0.87	0.86	0.23	1.28	0.03
34787409	ral GTPase-activating protein subunit beta [Horr	0.87	0.40	1.12	0.47	1.07	0.63	1.00	0.99
5901922	hsp90 co-chaperone Cdc37 [Homo sapiens]	0.87	0.00	0.95	0.31	1.10	0.03	0.92	0.28
1.21E+08	WASH complex subunit strumpellin [Homo sapi	0.87	0.64	0.72	0.31	0.63	0.14	0.69	0.26
1.57E+08	OTU domain-containing protein 6B [Homo sapie	0.87	0.41	0.88	0.43	0.86	0.37	0.68	0.16
27477136	zinc finger CCCH-type antiviral protein 1 isoform	0.87	0.23	0.67	0.01	0.92	0.36	0.85	0.26
4557795	merlin isoform 1 [Homo sapiens]	0.87	0.39	0.81	0.14	0.93	0.63	1.11	0.36
3.25E+08	arachidonate 5-lipoxygenase-activating protein i	0.87		0.46		1.78		0.49	
37537716	eukaryotic translation initiation factor 5 [Homo s	0.87	0.14	1.15	0.17	0.78	0.03	0.58	0.12
13376735	N-alpha-acetyltransferase 50 [Homo sapiens]	0.87	0.23	0.95	0.58	0.97	0.79	0.95	0.73
66879664	ADP-ribosylation factor 1 [Homo sapiens]	0.87	0.11	0.81	0.03	0.93	0.30	1.03	0.71
1.71E+08	protein YIF1A [Homo sapiens]	0.87	0.46	0.71	0.18	0.81	0.28	0.72	0.18
46852178	E3 ubiquitin-protein ligase KCMF1 [Homo sapie	0.87		0.94		1.05		0.81	
29826335	eukaryotic translation initiation factor 2 subunit 2	0.87	0.06	0.89	0.10	0.85	0.04	0.78	0.08
2.24E+08	tetratricopeptide repeat protein 28 [Homo sapier	0.87	0.45	0.96	0.78	0.97	0.94	1.13	0.60
2.56E+08	filamin-B isoform 1 [Homo sapiens]	0.87	0.00	0.71	0.00	3.18	0.00	1.02	0.57
55741807	TRAF2 and NCK-interacting protein kinase isofc	0.87	0.26	0.87	0.24	0.80	0.02	0.82	0.25
4504523	10 kDa heat shock protein, mitochondrial [Homc	0.87	0.08	0.84	0.04	0.90	0.42	1.04	0.83
13904866	60S ribosomal protein L28 isoform 2 [Homo sap	0.87	0.02	0.77	0.00	0.95	0.33	0.84	0.18
2.29E+08	putative phospholipase B-like 2 isoform 1 precu	0.87	0.16	0.76	0.00	0.66	0.00	0.99	0.92
50345988	ATP synthase subunit gamma, mitochondrial isc	0.87	0.06	0.98	0.76	1.24	0.05	1.36	0.05
2.83E+08	ATPase family AAA domain-containing protein 3	0.87	0.31	0.83	0.15	0.89	0.16	1.11	0.35
1.9E+08	protein transport protein Sec24D [Homo sapiens	0.87	0.02	0.73	0.00	0.83	0.00	0.87	0.09
1.5E+08	inverted formin-2 isoform 2 [Homo sapiens]	0.87	0.11	0.64	0.00	0.89	0.18	0.87	0.13
3.16E+08	alpha-parvin [Homo sapiens]	0.87	0.30	0.74	0.05	1.31	0.01	0.60	0.06
4506685	40S ribosomal protein S13 [Homo sapiens]	0.87	0.30	0.83	0.04	0.96	0.71	0.99	0.91
56682964	legumain preproprotein [Homo sapiens]	0.87		0.99		1.26		1.17	
4758154	non-syndromic hearing impairment protein 5 iso	0.87	0.34	0.74	0.24	0.96	0.75	0.56	0.06
1.94E+08	nicotinate phosphoribosyltransferase [Homo sa	0.87		1.08		0.66		0.77	
84798622	beta-mannosidase precursor [Homo sapiens]	0.87		0.94		0.98		0.79	
4885417	ubiquitin-conjugating enzyme E2 K isoform 1 [H	0.87	0.26	0.87	0.26	0.98	0.87	0.96	0.72
51944953	nodal modulator 1 precursor [Homo sapiens]	0.87	0.01	0.85	0.00	0.98	0.75	0.93	0.36

21361565	ATP synthase subunit b, mitochondrial precursor	0.87	0.05	0.84	0.10	1.18	0.03	1.28	0.02
84043963	eukaryotic translation initiation factor 5B [Homo sapiens]	0.87	0.14	0.87	0.11	0.92	0.28	0.86	0.51
23110942	proteasome subunit alpha type-5 isoform 1 [Homo sapiens]	0.87	0.11	0.91	0.33	1.06	0.44	1.06	0.69
3.87E+08	threonine--tRNA ligase, cytoplasmic isoform 1 [Homo sapiens]	0.87	0.05	1.01	0.90	1.04	0.39	0.75	0.03
5729718	trophoblast glycoprotein precursor [Homo sapiens]	0.87	0.56	0.87	0.22	0.65	0.09	1.16	0.35
6005842	proline synthase co-transcribed bacterial homolog [Homo sapiens]	0.86	0.21	0.90	0.31	1.07	0.51	1.06	0.57
24307939	T-complex protein 1 subunit epsilon [Homo sapiens]	0.86	0.05	0.92	0.21	0.95	0.61	0.76	0.01
6005890	transcription elongation factor B polypeptide 2 isoform 1 [Homo sapiens]	0.86	0.32	0.96	0.79	1.03	0.75	0.96	0.82
4506185	proteasome subunit alpha type-4 isoform 1 [Homo sapiens]	0.86	0.06	0.90	0.21	0.88	0.26	0.96	0.74
30089962	serine/threonine-protein kinase MRCK alpha isoform 1 [Homo sapiens]	0.86	0.69	0.77	0.44	1.19	0.33	0.84	0.77
56605983	NIF3-like protein 1 isoform 2 [Homo sapiens]	0.86		0.92		0.82		0.99	
4758152	mitochondrial import inner membrane translocator subunit OXA1L [Homo sapiens]	0.86		0.86		0.94		0.92	
14149777	haloacid dehalogenase-like hydrolase domain-containing protein 1 [Homo sapiens]	0.86		1.17		0.84		1.05	
16753205	ubiquitin-1 isoform 2 [Homo sapiens]	0.86		0.98		1.01		0.55	
63252888	prolyl 4-hydroxylase subunit alpha-1 isoform 2 [Homo sapiens]	0.86		1.01		1.01		1.25	
32189362	liprin-alpha-3 [Homo sapiens]	0.86		0.95		1.00		1.15	
1.16E+08	septin-9 isoform c [Homo sapiens]	0.86	0.10	0.93	0.39	1.15	0.06	1.28	0.01
40254866	charged multivesicular body protein 2b isoform 1 [Homo sapiens]	0.86		0.79		0.74		0.86	
17105394	60S ribosomal protein L23a [Homo sapiens]	0.86	0.06	0.88	0.09	1.07	0.64	0.90	0.58
7705373	LIM domain and actin-binding protein 1 isoform 1 [Homo sapiens]	0.86	0.03	0.85	0.00	0.94	0.27	0.88	0.04
2.21E+08	pleckstrin homology-like domain family B member 1 [Homo sapiens]	0.86	0.72	0.98	0.90	0.89	0.63	1.08	0.66
47157325	protein kinase C delta type [Homo sapiens]	0.86		0.72		1.08		0.81	
4503337	H/ACA ribonucleoprotein complex subunit 4 isoform 1 [Homo sapiens]	0.86	0.39	0.86	0.40	0.84	0.26	1.02	0.95
1.1E+08	lisH domain and HEAT repeat-containing protein 1 [Homo sapiens]	0.86	0.30	0.67	0.03	1.04	0.84	0.56	0.07
5730120	synaptobrevin homolog YKT6 [Homo sapiens]	0.86	0.18	0.98	0.91	1.10	0.39	0.89	0.46
136429	Trypsin precursor cRAP	0.86	0.27	0.92	0.61	1.00	0.98	1.05	0.75
1.66E+08	osteoclast-stimulating factor 1 [Homo sapiens]	0.86	0.37	0.77	0.24	1.08	0.59	0.73	0.20
1.23E+08	melanoma inhibitory activity protein 3 precursor [Homo sapiens]	0.86	0.31	0.92	0.35	0.95	0.66	0.99	0.94
1.57E+08	required for meiotic nuclear division protein 1 [Homo sapiens]	0.86		0.78		0.88		1.01	
4.04E+08	endoribonuclease Dicer isoform 1 [Homo sapiens]	0.86		1.02		0.75		0.81	
1.2E+08	protein furry homolog-like [Homo sapiens]	0.86	0.40	0.88	0.45	1.01	0.96	0.60	0.13
54607053	translational activator GCN1 [Homo sapiens]	0.86	0.00	0.78	0.00	0.77	0.00	0.84	0.09
1.56E+08	succinate dehydrogenase [ubiquinone] flavoprotein subunit 1 [Homo sapiens]	0.86	0.04	0.82	0.01	0.91	0.11	1.04	0.71
4506693	40S ribosomal protein S17 [Homo sapiens]	0.86	0.06	0.83	0.03	0.85	0.04	0.81	0.01
13376854	UBX domain-containing protein 6 isoform 1 [Homo sapiens]	0.86		0.78		0.94		0.88	
2.15E+08	aminoacyl tRNA synthase complex-interacting protein 1 [Homo sapiens]	0.86	0.33	0.91	0.47	0.84	0.04	0.84	0.12
70906430	AP-2 complex subunit sigma isoform AP17 [Homo sapiens]	0.86	0.25	0.81	0.16	0.90	0.48	0.88	0.32
7706353	charged multivesicular body protein 3 isoform 1 [Homo sapiens]	0.86	0.39	0.89	0.32	0.78	0.32	0.85	0.61
18543329	26S proteasome non-ATPase regulatory subunit 1 [Homo sapiens]	0.86	0.08	0.91	0.30	1.03	0.63	0.96	0.60
4506661	60S ribosomal protein L7a [Homo sapiens]	0.86	0.01	0.87	0.00	1.10	0.16	1.04	0.65
4502643	T-complex protein 1 subunit zeta isoform a [Homo sapiens]	0.86	0.01	0.95	0.28	1.04	0.39	0.75	0.01
45359849	ras GTPase-activating protein-binding protein 2 [Homo sapiens]	0.86	0.05	0.91	0.26	1.00	0.99	0.68	0.01
1.94E+08	enoyl-CoA hydratase, mitochondrial [Homo sapiens]	0.86	0.05	0.94	0.30	1.05	0.49	1.23	0.01
3.55E+08	protein-L-isoaspartate(D-aspartate) O-methyltransferase [Homo sapiens]	0.86	0.09	0.90	0.16	1.08	0.32	0.90	0.18
7657369	NADH dehydrogenase [ubiquinone] 1 alpha subunit [Homo sapiens]	0.86	0.20	0.78	0.10	0.92	0.42	0.96	0.69
21361625	exocyst complex component 2 [Homo sapiens]	0.86	0.17	0.80	0.07	0.99	0.94	0.65	0.06
4506411	ran GTPase-activating protein 1 [Homo sapiens]	0.86	0.23	0.85	0.28	0.72	0.02	0.59	0.14
38201623	eukaryotic translation initiation factor 4 gamma [Homo sapiens]	0.86	0.00	0.92	0.06	1.00	0.98	0.84	0.02
2.9E+08	tectonin beta-propeller repeat-containing protein 1 [Homo sapiens]	0.86		0.88		0.65		0.61	
4885409	vigilin isoform a [Homo sapiens]	0.86	0.00	0.82	0.00	0.99	0.80	0.92	0.03
7657649	tropomodulin-3 [Homo sapiens]	0.86	0.04	0.88	0.07	1.26	0.01	0.95	0.69
4507709	GDP-L-fucose synthase [Homo sapiens]	0.86	0.15	0.86	0.16	1.05	0.57	0.95	0.60
61742164	uncharacterized protein C12orf29 [Homo sapiens]	0.86	0.49	0.92	0.57	0.68	0.16	0.81	0.28
4504183	glutathione S-transferase P [Homo sapiens]	0.85	0.27	0.89	0.42	1.17	0.40	1.10	0.33
3.12E+08	NT5C1B-RDH14 protein isoform 1 [Homo sapiens]	0.85	0.72	0.78	0.55	0.80	0.27	1.06	0.66
2.83E+08	la-related protein 4 isoform b [Homo sapiens]	0.85		0.84		0.79		0.49	

24415404	midasin [Homo sapiens]	0.85	0.98	1.02	0.83				
57013276	tubulin alpha-1B chain [Homo sapiens]	0.85	0.96	0.72	0.92				
2.05E+08	protein FAM160B1 isoform b [Homo sapiens]	0.85	0.33	0.76	0.09	0.71	0.06	0.83	0.17
1.09E+08	N-acylethanolamine-hydrolyzing acid amidase isoform 1 [Homo sapiens]	0.85		0.71		1.05		0.51	
11559929	coatamer subunit gamma-1 [Homo sapiens]	0.85	0.00	0.81	0.00	1.03	0.57	0.98	0.80
4506649	60S ribosomal protein L3 isoform a [Homo sapiens]	0.85	0.00	0.86	0.00	0.98	0.70	0.95	0.52
7705330	COP9 signalosome complex subunit 7a [Homo sapiens]	0.85	0.41	0.86	0.66	0.76	0.27	0.68	0.41
9966805	ATP-dependent RNA helicase DDX24 [Homo sapiens]	0.85		1.05		1.51		1.02	
11321585	guanine nucleotide-binding protein G(I)/G(S)/G(O) gamma-1 [Homo sapiens]	0.85	0.42	0.86	0.23	1.44	0.09	1.18	0.24
1.89E+08	dipeptidyl peptidase 1 isoform a preproprotein [Homo sapiens]	0.85	0.18	0.71	0.10	1.52	0.01	1.23	0.07
86792661	dipeptidyl peptidase 3 isoform 1 [Homo sapiens]	0.85	0.14	0.91	0.35	1.14	0.21	0.97	0.72
30795212	insulin-like growth factor 2 mRNA-binding protein 1 [Homo sapiens]	0.85	0.02	0.87	0.12	1.20	0.01	1.07	0.19
38455427	T-complex protein 1 subunit delta isoform a [Homo sapiens]	0.85	0.03	0.99	0.91	1.07	0.19	0.90	0.17
22035653	apolipoprotein L2 [Homo sapiens]	0.85		0.59		0.98		1.53	
1.09E+08	E3 ubiquitin-protein ligase RNF31 [Homo sapiens]	0.85		0.86		0.60		0.91	
1.97E+08	protein CDV3 homolog isoform a [Homo sapiens]	0.85	0.47	0.78	0.21	1.45	0.01	0.79	0.35
1.67E+08	prenylcysteine oxidase 1 precursor [Homo sapiens]	0.85	0.09	0.86	0.09	0.95	0.53	1.01	0.94
4506609	60S ribosomal protein L19 [Homo sapiens]	0.85	0.06	0.81	0.01	1.04	0.62	1.02	0.82
4503291	D-dopachrome decarboxylase [Homo sapiens]	0.85	0.07	0.76	0.01	0.85	0.07	0.77	0.80
7705300	ubiquitin-fold modifier 1 precursor [Homo sapiens]	0.85	0.40	0.83	0.57	0.89	0.61	0.88	0.71
23097308	nesprin-1 isoform 2 [Homo sapiens]	0.85	0.31	0.98	0.78	0.92	0.54	0.97	0.92
2.38E+08	probable rRNA-processing protein EBP2 isoform 1 [Homo sapiens]	0.85	0.49	0.87	0.58	0.95	0.68	0.90	0.48
7262378	acidic fibroblast growth factor intracellular-binding protein 1 [Homo sapiens]	0.85		0.87		0.64		0.71	
27436920	C-Jun-amino-terminal kinase-interacting protein 1 [Homo sapiens]	0.85	0.37	1.00	0.98	0.72	0.35	0.80	0.31
18677735	protein PRRC1 [Homo sapiens]	0.85	0.12	0.78	0.05	1.05	0.80	0.92	0.78
4759224	programmed cell death protein 5 [Homo sapiens]	0.85	0.37	0.75	0.28	0.67	0.36	0.63	0.35
3.99E+08	bcl-2-like protein 13 isoform b [Homo sapiens]	0.85	0.34	0.73	0.20	1.21	0.31	0.76	0.23
4506217	26S proteasome non-ATPase regulatory subunit 1 [Homo sapiens]	0.85	0.40	0.92	0.69	0.89	0.34	0.88	0.36
5031711	eukaryotic translation initiation factor 1b [Homo sapiens]	0.85	0.43	1.21	0.15	1.00	0.98	0.76	0.24
10800412	microtubule-associated protein RP/EB family member 3 [Homo sapiens]	0.85	0.21	0.93	0.67	1.02	0.81	0.79	0.11
4757766	rho GTPase-activating protein 1 [Homo sapiens]	0.85	0.01	0.76	0.00	0.84	0.06	0.79	0.02
6679189	transmembrane emp24 domain-containing protein 1 [Homo sapiens]	0.85		0.90		0.76		1.16	
7661922	ras-related protein Rab-21 [Homo sapiens]	0.85	0.23	0.85	0.29	0.69	0.08	0.70	0.25
3.73E+08	ubiquitin-conjugating enzyme E2 L3 isoform 4 [Homo sapiens]	0.85	0.07	0.81	0.04	0.98	0.75	0.93	0.34
1.94E+08	heat shock 70 kDa protein 1A/1B [Homo sapiens]	0.85	0.03	0.90	0.03	1.03	0.71	0.86	0.01
3.33E+08	basic leucine zipper and W2 domain-containing protein 1 [Homo sapiens]	0.85	0.00	1.07	0.13	0.96	0.37	0.88	0.19
94538354	mitochondrial-processing peptidase subunit beta [Homo sapiens]	0.85	0.36	0.77	0.24	0.87	0.41	0.90	0.51
54860105	rho GTPase-activating protein 17 isoform 2 [Homo sapiens]	0.85		0.86		0.96		0.76	
3.01E+08	protein transport protein Sec31A isoform 5 [Homo sapiens]	0.85	0.00	0.76	0.00	0.86	0.02	0.99	0.89
4503471	elongation factor 1-alpha 1 [Homo sapiens]	0.85	0.36	1.09	0.61	0.97	0.89	0.86	0.45
2.96E+08	extended synaptotagmin-1 isoform 1 [Homo sapiens]	0.85	0.02	0.84	0.00	1.11	0.12	0.86	0.02
21361103	calcium-binding mitochondrial carrier protein Arifin-1 [Homo sapiens]	0.85	0.14	0.85	0.14	0.90	0.42	1.25	0.25
67189747	60S ribosomal protein L6 [Homo sapiens]	0.85	0.00	0.80	0.01	0.90	0.20	0.81	0.06
7524346	adenylate kinase 2, mitochondrial isoform b [Homo sapiens]	0.84	0.28	0.83	0.09	0.97	0.77	0.95	0.58
2.25E+08	DNA-binding protein A isoform a [Homo sapiens]	0.84	0.06	0.82	0.11	1.25	0.06	0.81	0.35
1.89E+08	beta-hexosaminidase subunit alpha preproprotein [Homo sapiens]	0.84	0.04	0.93	0.42	0.92	0.22	0.87	0.35
27881482	probable ATP-dependent RNA helicase DDX58 [Homo sapiens]	0.84	0.35	0.67	0.11	1.35	0.31	0.67	0.30
14043022	methionine--tRNA ligase, cytoplasmic [Homo sapiens]	0.84	0.06	0.86	0.04	0.89	0.24	0.77	0.08
24308213	serine incorporator 1 precursor [Homo sapiens]	0.84		0.81		0.73		0.81	
27436889	GDP-fucose protein O-fucosyltransferase 1 isoform 1 [Homo sapiens]	0.84	0.03	0.81	0.07	0.83	0.07	0.91	0.91
5729864	HBS1-like protein isoform 1 [Homo sapiens]	0.84	0.34	0.91	0.53	0.87	0.53	0.73	0.20
48762934	collagen alpha-2(I) chain precursor [Homo sapiens]	0.84	0.03	2.53	0.00	1.28	0.24	1.88	0.01
28416940	ribosome maturation protein SBDS [Homo sapiens]	0.84	0.12	0.83	0.02	1.05	0.67	0.79	0.06
5901912	calmodulin [Homo sapiens]	0.84	0.30	0.94	0.62	1.24	0.03	1.02	0.79
51873031	nicalin precursor [Homo sapiens]	0.84	0.05	0.86	0.07	0.85	0.22	0.95	0.96
31982953	protein O-glucosyltransferase 1 precursor [Homo sapiens]	0.84	0.18	0.86	0.42	0.90	0.55	0.98	0.82

4506371	ras-related protein Rab-5B isoform 1 [Homo sapiens]	0.84	0.13	0.90	0.24	1.09	0.34	1.09	0.60
5901944	EMILIN-1 precursor [Homo sapiens]	0.84		1.07		0.93		1.06	
8923001	mycophenolic acid acyl-glucuronide esterase, nr	0.84		0.67		0.60		0.83	
6005952	beta-1,4-galactosyltransferase 7 [Homo sapiens]	0.84	0.63	0.73	0.42	0.78	0.42	0.74	0.47
5453722	acyl-protein thioesterase 1 [Homo sapiens]	0.84		0.83		1.06		0.93	
1.26E+08	basement membrane-specific heparan sulfate p	0.84	0.00	0.81	0.00	2.76	0.00	1.02	0.87
2.85E+08	glycerol-3-phosphate dehydrogenase, mitochon	0.84	0.24	0.78	0.28	0.66	0.07	1.11	0.65
31377697	procollagen galactosyltransferase 1 precursor [H	0.84	0.01	0.76	0.00	1.37	0.00	0.99	0.94
4503515	eukaryotic translation initiation factor 3 subunit f	0.84	0.24	0.85	0.25	0.91	0.55	0.78	0.13
4507813	UDP-glucose 6-dehydrogenase isoform 1 [Homo	0.84	0.02	0.79	0.00	0.69	0.00	0.82	0.11
4506607	60S ribosomal protein L18 isoform 1 [Homo sap	0.84	0.02	0.76	0.00	0.94	0.28	0.98	0.76
82659109	E3 ubiquitin-protein ligase UBR4 [Homo sapiens]	0.84	0.00	0.84	0.00	0.89	0.01	0.72	0.00
41281911	coiled-coil domain-containing protein 50 long iso	0.84	0.33	0.76	0.22	1.62	0.13	1.39	0.19
25777730	aldehyde dehydrogenase X, mitochondrial precu	0.84	0.05	0.67	0.00	0.69	0.00	0.57	0.00
17158044	40S ribosomal protein S6 [Homo sapiens]	0.84	0.03	0.86	0.02	0.99	0.92	0.97	0.83
5032057	protein S100-A11 [Homo sapiens]	0.84	0.04	0.70	0.06	1.36	0.00	1.16	0.49
1.58E+08	procollagen C-endopeptidase enhancer 1 precu	0.84	0.33	1.95	0.10	0.41	0.22	1.15	0.40
51873055	fibulin-2 isoform b precursor [Homo sapiens]	0.84		0.77		1.17		1.08	
62420886	discoidin domain-containing receptor 2 precursc	0.84	0.33	0.94	0.67	1.08	0.86	0.86	0.65
4885615	signal transducer and activator of transcription 2	0.84	0.33	0.77	0.46	0.73	0.20	0.80	0.28
2.6E+08	AP-1 complex subunit beta-1 isoform b [Homo s	0.84	0.03	0.83	0.04	0.93	0.32	0.72	0.00
17149828	N-alpha-acetyltransferase 15, NatA auxiliary sub	0.84	0.01	0.92	0.16	0.89	0.18	0.70	0.00
1.7E+08	39S ribosomal protein L38, mitochondrial [Homo	0.84	0.49	0.75	0.32	0.77	0.11	0.80	0.51
71773106	AP-2 complex subunit beta isoform a [Homo sap	0.84	0.00	0.78	0.01	0.93	0.25	0.81	0.02
21361163	vitamin K-dependent gamma-carboxylase isoform	0.84		0.74		0.73		0.71	
4.28E+08	ras-related GTP-binding protein C isoform 2 [Ho	0.84	0.19	0.90	0.37	0.65	0.13	1.04	0.72
47778943	syntaxin-16 isoform a [Homo sapiens]	0.83	0.37	0.81	0.33	0.87	0.44	0.76	0.33
5453559	ATP synthase subunit d, mitochondrial isoform e	0.83	0.02	0.74	0.00	1.03	0.75	0.99	0.94
4758896	peroxisomal membrane protein PEX14 [Homo s	0.83	0.10	1.14	0.45	1.03	0.72	1.11	0.54
7106299	ataxin-10 isoform 1 [Homo sapiens]	0.83	0.09	1.04	0.59	0.77	0.01	0.84	0.39
7661734	m7GpppX diphosphatase [Homo sapiens]	0.83	0.30	0.90	0.32	0.77	0.06	0.87	0.31
3E+08	mesencephalic astrocyte-derived neurotrophic f	0.83	0.01	0.99	0.87	1.16	0.02	1.06	0.28
19923497	echinoderm microtubule-associated protein-like	0.83	0.21	1.28	0.16	1.04	0.62	1.19	0.10
4758874	transmembrane 9 superfamily member 2 precu	0.83	0.46	0.83	0.51	0.91	0.55	1.06	0.60
71902540	serine-protein kinase ATM [Homo sapiens]	0.83		0.89		0.79		0.96	
31542306	charged multivesicular body protein 1b [Homo s	0.83	0.42	0.90	0.48	0.91	0.53	1.06	0.75
3.45E+08	lipopolysaccharide-responsive and beige-like ar	0.83		1.26		1.02		0.73	
13375746	UPF0364 protein C6orf211 [Homo sapiens]	0.83	0.18	0.71	0.10	0.77	0.25	0.75	0.30
5803011	gamma-enolase [Homo sapiens]	0.83	0.76	0.82	0.56	0.80	0.06	0.36	0.20
2.61E+08	neuropathy target esterase isoform d [Homo sap	0.83	0.38	1.06	0.86	0.87	0.65	1.27	0.79
9910542	GTP-binding protein SAR1a [Homo sapiens]	0.83	0.12	0.89	0.16	1.02	0.88	1.23	0.29
94538322	hydroxyacylglutathione hydrolase, mitochondrial	0.83	0.08	0.99	0.96	1.25	0.29	1.33	0.40
3.35E+08	twinfilin-1 isoform 2 [Homo sapiens]	0.83	0.09	0.81	0.14	0.92	0.34	0.66	0.11
8051636	exportin-T [Homo sapiens]	0.83	0.02	0.95	0.68	1.04	0.74	0.73	0.13
1.12E+08	spectrin beta chain, non-erythrocytic 1 isoform	10.83	0.00	0.82	0.00	1.01	0.75	1.22	0.00
23110944	proteasome subunit alpha type-6 [Homo sapiens]	0.83	0.03	0.82	0.05	0.93	0.26	0.91	0.33
6005860	60S ribosomal protein L35 [Homo sapiens]	0.83	0.29	0.77	0.08	0.89	0.18	0.81	0.08
67089149	protein PML isoform 1 [Homo sapiens]	0.83	0.01	0.68	0.00	1.17	0.08	1.00	0.98
1.87E+08	prolyl 3-hydroxylase 1 isoform 1 precursor [Hom	0.83	0.00	0.74	0.00	0.81	0.01	0.96	0.54
7706757	V-type proton ATPase subunit D [Homo sapiens]	0.83		0.79		0.73		0.54	
3.14E+08	RPL17-C18orf32 protein isoform 1 [Homo sapie	0.83	0.02	0.85	0.01	1.00	0.98	0.95	0.50
5174513	mothers against decapentaplegic homolog 3 iso	0.83	0.24	0.95	0.68	0.80	0.12	1.20	0.42
41281768	cytochrome b5 isoform 1 [Homo sapiens]	0.83	0.35	0.75	0.41	1.20	0.33	0.62	0.29
62420875	integrin-linked protein kinase [Homo sapiens]	0.83	0.00	0.95	0.64	1.47	0.00	0.69	0.00
68799814	AP-2 complex subunit mu isoform b [Homo sapi	0.83	0.00	0.78	0.00	0.94	0.39	0.94	0.50
42734438	protein FAM49B [Homo sapiens]	0.83		0.90		1.21		0.85	



6912240	AP-3 complex subunit mu-1 [Homo sapiens]	0.83	0.13	0.76	0.04	0.83	0.06	0.77	0.01
1.94E+08	sperm-specific antigen 2 isoform 1 [Homo sapie	0.83	0.31	0.79	0.59	1.98	0.10	0.87	0.77
1.45E+08	probable ubiquitin carboxyl-terminal hydrolase F	0.83	0.03	1.01	0.82	0.96	0.50	0.91	0.17
14861834	cat eye syndrome critical region protein 5 isoform	0.83	0.57	0.78	0.29	0.72	0.22	0.79	0.40
7662112	CBP80/20-dependent translation initiation factor	0.83	0.37	0.90	0.35	1.29	0.14	0.82	0.27
7661678	ras-related protein Rap-1b isoform 1 precursor [	0.83	0.04	0.79	0.00	1.00	0.96	1.04	0.70
21956645	myotrophin [Homo sapiens]	0.83	0.32	0.81	0.29	0.84	0.35	0.93	0.75
4507525	translocation protein SEC62 [Homo sapiens]	0.83	0.08	0.79	0.05	1.06	0.47	0.94	0.52
83376130	elongation factor 1-beta [Homo sapiens]	0.83	0.02	0.75	0.00	0.92	0.20	0.80	0.01
4504041	guanine nucleotide-binding protein G(i) subunit	0.83	0.00	0.80	0.06	1.15	0.34	0.92	0.69
96304457	low molecular weight phosphotyrosine protein p	0.83	0.29	0.92	0.70	0.91	0.39	0.86	0.32
8923712	actin-related protein 10 [Homo sapiens]	0.82	0.20	0.78	0.06	1.02	0.81	0.88	0.39
5031597	actin-related protein 2/3 complex subunit 3 [Hon	0.82	0.04	0.82	0.01	1.17	0.05	0.79	0.62
22202624	maleylacetoacetate isomerase isoform 1 [Homo	0.82	0.31	0.79	0.25	0.77	0.23	0.89	0.81
38202250	sulfatase-modifying factor 1 isoform 1 precursor	0.82		0.81		0.56		0.76	
28933465	syntaxin-12 [Homo sapiens]	0.82	0.40	0.97	0.70	0.97	0.74	1.09	0.76
3.61E+08	cytospin-A isoform 2 [Homo sapiens]	0.82	0.41	0.85	0.23	1.07	0.49	0.88	0.38
2.42E+08	transmembrane protein 189 isoform 2 [Homo sa	0.82		0.81		0.80		0.63	
5453597	F-actin-capping protein subunit alpha-1 [Homo ε	0.82	0.04	0.84	0.06	1.06	0.40	0.97	0.69
1.54E+08	baculoviral IAP repeat-containing protein 6 [Hon	0.82	0.35	0.86	0.29	1.20	0.22	0.63	0.08
32189392	peroxiredoxin-2 [Homo sapiens]	0.82	0.09	0.87	0.11	1.19	0.14	1.34	0.06
4502285	sarcoplasmic/endoplasmic reticulum calcium AT	0.82	0.00	0.85	0.00	1.20	0.00	0.84	0.01
31377663	armadillo repeat-containing protein 10 isoform a	0.82		0.71		0.86		0.39	
5032117	sigma non-opioid intracellular receptor 1 isoform	0.82		0.91		0.71		0.83	
4502445	bisphosphoglycerate mutase [Homo sapiens]	0.82	0.37	0.63	0.13	1.84	0.25	0.61	0.12
31621305	leucine-rich PPR motif-containing protein, mitoc	0.82	0.00	0.74	0.00	0.73	0.00	0.84	0.00
4504079	glycosylphosphatidylinositol anchor attachment	0.82	0.79	1.30	0.53	1.93	0.39	1.74	0.15
7705425	28S ribosomal protein S17, mitochondrial [Homε	0.82		0.66		0.67		0.51	
34147637	COP9 signalosome complex subunit 6 [Homo sε	0.82	0.30	1.01	0.92	1.06	0.84	1.42	0.50
6912582	peflin [Homo sapiens]	0.82	0.14	0.92	0.42	0.85	0.21	1.15	0.23
3.93E+08	SRA stem-loop-interacting RNA-binding protein,	0.82	0.07	0.80	0.05	0.86	0.22	0.90	0.23
6041669	NADH dehydrogenase [ubiquinone] 1 beta subc	0.82	0.02	0.78	0.01	0.93	0.25	0.97	0.79
5031699	flotillin-1 [Homo sapiens]	0.82	0.01	0.93	0.19	0.98	0.70	1.26	0.09
4503143	cathepsin D preproprotein [Homo sapiens]	0.82	0.01	0.56	0.00	0.57	0.00	0.80	0.24
4503607	electron transfer flavoprotein subunit alpha, mitc	0.82	0.07	0.62	0.02	0.63	0.01	0.96	0.58
7661890	sorting nexin-17 isoform 1 [Homo sapiens]	0.82	0.49	0.83	0.55	0.79	0.28	0.75	0.24
1.34E+08	probable glutamate--tRNA ligase, mitochondrial	0.82		1.06		1.40		2.67	
7669550	vinculin isoform meta-VCL [Homo sapiens]	0.82	0.00	0.84	0.00	1.38	0.00	0.86	0.00
74275350	translocator protein [Homo sapiens]	0.82	0.53	0.74	0.39	0.98	0.91	0.96	0.91
7662078	tetratricopeptide repeat protein 37 [Homo sapier	0.82	0.09	0.72	0.01	0.80	0.10	0.66	0.11
94557305	39S ribosomal protein L19, mitochondrial [Homε	0.82	0.55	1.09	0.36	0.68	0.14	0.90	0.50
33469947	engulfment and cell motility protein 2 [Homo saε	0.82		0.67		0.98		0.79	
1.48E+08	CTP synthase 1 [Homo sapiens]	0.82	0.00	0.76	0.00	1.52	0.00	0.63	0.00
1.94E+08	epsin-1 isoform b [Homo sapiens]	0.82	0.22	0.89	0.30	1.21	0.16	1.02	0.86
52630440	peptidyl-prolyl cis-trans isomerase FKBP8 [Hom	0.82	0.26	0.95	0.52	1.02	0.75	1.07	0.34
4503015	copine-3 [Homo sapiens]	0.82	0.04	0.94	0.43	0.91	0.20	1.01	0.92
1.7E+08	probable cation-transporting ATPase 13A1 [Hon	0.82	0.01	0.88	0.29	0.81	0.01	0.73	0.03
8923458	COMM domain-containing protein 8 [Homo sapi	0.82		0.75		0.82		0.87	
91807125	protein FAM3C precursor [Homo sapiens]	0.82	0.38	0.79	0.41	0.77	0.34	0.84	0.61
66346685	plasminogen activator inhibitor 1 RNA-binding p	0.82	0.00	0.90	0.05	0.90	0.05	0.92	0.21
3.87E+08	nuclear factor NF-kappa-B p100 subunit isoform	0.82	0.14	0.67	0.06	0.79	0.11	0.74	0.23
1.09E+08	peroxidasin homolog precursor [Homo sapiens]	0.82	0.01	0.76	0.00	1.16	0.02	0.82	0.01
1.09E+08	succinyl-CoA ligase [ADP/GDP-forming] subunit	0.82	0.13	0.80	0.12	0.78	0.10	1.09	0.40
5453980	dnaJ homolog subfamily C member 3 precursor	0.82	0.61	0.89	0.77	1.02	0.92	0.97	0.83
4826852	acyl carrier protein, mitochondrial precursor [Ho	0.81	0.34	0.80	0.26	1.05	0.73	1.24	0.27
38372909	lysine-specific demethylase 3B [Homo sapiens]	0.81		0.54		1.13		0.37	

4503507	eukaryotic translation initiation factor 2 subunit $\epsilon$	0.81	0.01	0.89	0.06	0.88	0.02	0.85	0.04
4503023	carnitine O-palmitoyltransferase 2, mitochondria	0.81	0.13	0.84	0.16	1.33	0.07	1.19	0.17
21624607	coactosin-like protein [Homo sapiens]	0.81	0.02	0.92	0.23	1.78	0.00	0.72	0.01
66933016	inosine-5'-monophosphate dehydrogenase 2 [Homo sapiens]	0.81	0.01	0.80	0.01	0.79	0.01	0.67	0.00
38195080	von Willebrand factor A domain-containing protein 2	0.81		1.18		0.59		1.15	
5803013	endoplasmic reticulum resident protein 29 isoform 1	0.81	0.04	0.84	0.03	0.88	0.07	0.88	0.06
68303547	argininosuccinate lyase isoform 2 [Homo sapiens]	0.81		0.85		0.83		0.79	
1.19E+08	protein diaphanous homolog 1 isoform 1 [Homo sapiens]	0.81	0.21	0.72	0.05	0.75	0.04	0.71	0.02
1.87E+08	tripeptidyl-peptidase 2 [Homo sapiens]	0.81	0.03	0.90	0.27	0.78	0.01	0.82	0.10
21264602	laminin subunit alpha-5 precursor [Homo sapiens]	0.81	0.29	0.98	0.93	1.47	0.36	1.15	0.39
20149675	EF-hand domain-containing protein D2 [Homo sapiens]	0.81	0.20	0.87	0.23	0.88	0.28	0.91	0.40
1.09E+08	leucine--tRNA ligase, cytoplasmic [Homo sapiens]	0.81	0.00	0.85	0.00	0.91	0.02	0.77	0.00
14249478	uncharacterized protein C1orf198 isoform 1 [Homo sapiens]	0.81	0.06	1.55	0.03	0.90	0.25	0.85	0.11
1.57E+08	protein AHNAK2 [Homo sapiens]	0.81	0.49	0.83	0.67	0.74	0.21	0.94	0.77
1.89E+08	delta-aminolevulinic acid dehydratase [Homo sapiens]	0.81	0.25	0.71	0.22	0.69	0.09	0.79	0.17
6912420	heparan sulfate 2-O-sulfotransferase 1 isoform 1 [Homo sapiens]	0.81	0.30	0.96	0.79	0.59	0.13	0.87	0.41
7305053	myoferlin isoform a [Homo sapiens]	0.81	0.00	0.90	0.00	1.12	0.00	0.70	0.00
20127446	integrin beta-5 precursor [Homo sapiens]	0.81	0.29	0.80	0.27	0.78	0.30	0.82	0.30
4826742	glutamine--fructose-6-phosphate aminotransferase 2 [Homo sapiens]	0.81	0.13	0.65	0.21	0.62	0.22	0.57	0.04
14249348	thioredoxin domain-containing protein 17 [Homo sapiens]	0.81	0.37	0.89	0.64	0.96	0.75	0.56	0.11
4502673	leukocyte surface antigen CD47 isoform 1 precursor [Homo sapiens]	0.81	0.25	1.06	0.58	0.81	0.38	1.05	0.59
31543380	protein DJ-1 [Homo sapiens]	0.81	0.00	0.89	0.04	0.90	0.05	0.94	0.24
1.54E+08	SPATS2-like protein isoform a [Homo sapiens]	0.81	0.41	1.06	0.84	1.29	0.24	1.00	0.98
3.02E+08	LIM and senescent cell antigen-like-containing protein 1 [Homo sapiens]	0.81	0.02	0.76	0.01	1.45	0.00	0.75	0.01
25188179	voltage-dependent anion-selective channel protein 1 [Homo sapiens]	0.81	0.16	0.84	0.17	0.82	0.11	1.03	0.85
4505991	peptidyl-prolyl cis-trans isomerase C precursor [Homo sapiens]	0.81	0.20	0.75	0.07	0.67	0.15	0.73	0.15
1.55E+08	spectrin alpha chain, non-erythrocytic 1 isoform 1 [Homo sapiens]	0.81	0.00	0.79	0.00	1.03	0.24	1.25	0.00
19557691	surfeit locus protein 4 [Homo sapiens]	0.81	0.33	0.71	0.08	1.02	0.84	0.92	0.68
19913416	AP-2 complex subunit alpha-1 isoform 2 [Homo sapiens]	0.81	0.00	0.78	0.00	0.99	0.82	1.00	0.98
8923892	peroxisomal membrane protein 2 [Homo sapiens]	0.81		1.78		1.18		1.13	
1.95E+08	eukaryotic translation initiation factor 4E isoform 1 [Homo sapiens]	0.81	0.02	0.86	0.06	0.92	0.22	1.01	0.91
4557871	serotransferrin precursor [Homo sapiens]	0.81	0.54	1.00	1.00	1.61	0.48	0.77	0.77
19913418	V-type proton ATPase 116 kDa subunit a isoform 1 [Homo sapiens]	0.81	0.03	0.91	0.21	0.88	0.14	0.73	0.07
1.13E+08	gamma-interferon-inducible protein 16 isoform 2 [Homo sapiens]	0.81	0.00	0.76	0.00	0.93	0.37	1.07	0.40
4506687	40S ribosomal protein S15 [Homo sapiens]	0.81	0.40	0.83	0.32	0.93	0.52	0.85	0.37
2.6E+08	enoyl-CoA delta isomerase 2, mitochondrial isoform 1 [Homo sapiens]	0.81	0.09	0.91	0.39	0.74	0.03	0.72	0.02
31563507	GRIP and coiled-coil domain-containing protein 1 [Homo sapiens]	0.81		0.91		0.91		0.91	
4503987	gamma-glutamyl hydrolase precursor [Homo sapiens]	0.81	0.24	0.89	0.16	0.69	0.07	0.85	0.79
7657655	translocating chain-associated membrane protein 1 [Homo sapiens]	0.81	0.32	0.73	0.19	1.19	0.33	0.87	0.54
42476281	voltage-dependent anion-selective channel protein 2 [Homo sapiens]	0.81	0.00	0.89	0.05	1.10	0.09	0.82	0.03
39652628	constitutive coactivator of PPAR-gamma-like protein 1 [Homo sapiens]	0.81	0.02	0.82	0.02	0.87	0.03	0.97	0.75
1.71E+08	syntaxin-7 [Homo sapiens]	0.81	0.12	0.83	0.16	0.91	0.39	0.95	0.71
5032137	vesicle-associated membrane protein 7 isoform 1 [Homo sapiens]	0.81		0.80		1.06		0.90	
15431288	60S ribosomal protein L10a [Homo sapiens]	0.80	0.08	0.91	0.28	1.10	0.59	1.13	0.59
7705773	endophilin-B1 isoform 1 [Homo sapiens]	0.80	0.18	0.75	0.04	0.67	0.07	0.61	0.09
7705819	immediate early response 3-interacting protein 1 [Homo sapiens]	0.80		0.78		0.99		0.94	
2.25E+08	ribosome biogenesis protein BMS1 homolog [Homo sapiens]	0.80		0.93		0.70		0.92	
66932929	myeloid-associated differentiation marker [Homo sapiens]	0.80	0.01	0.84	0.01	1.13	0.09	0.91	0.34
84875539	ribose-phosphate pyrophosphokinase 2 isoform 1 [Homo sapiens]	0.80		0.89		0.76		0.79	
4758208	dual specificity protein phosphatase 3 [Homo sapiens]	0.80	0.27	0.76	0.22	0.83	0.31	0.75	0.21
4.11E+08	pyrroline-5-carboxylate reductase 2 isoform 2 [Homo sapiens]	0.80	0.22	0.81	0.24	0.87	0.25	0.83	0.44
49574502	NADH-cytochrome b5 reductase 1 [Homo sapiens]	0.80	0.16	0.65	0.06	0.93	0.38	0.73	0.06
7706481	calcium-binding protein 39 [Homo sapiens]	0.80	0.05	0.96	0.60	0.85	0.11	0.81	0.06
11125770	aminoacyl tRNA synthase complex-interacting protein 1 [Homo sapiens]	0.80	0.05	0.88	0.21	0.80	0.05	0.71	0.22
2.07E+08	epiplakin [Homo sapiens]	0.80	0.26	0.76	0.39	1.04	0.88	0.75	0.48
2.08E+08	phosphatidylinositol 4-phosphate 5-kinase type-1 [Homo sapiens]	0.80		1.06		1.22		1.09	

51477714	alpha-mannosidase 2 [Homo sapiens]	0.80	0.61	0.78	0.62	0.93	0.69	0.77	0.60
61742821	deoxycytidylate deaminase isoform a [Homo sapiens]	0.80	0.27	0.74	0.41	0.69	0.45	0.65	0.58
4506741	40S ribosomal protein S7 [Homo sapiens]	0.80	0.07	0.84	0.08	0.91	0.31	0.81	0.17
1.15E+08	STE20/SPS1-related proline-alanine-rich protein	0.80	0.07	0.71	0.08	0.73	0.10	0.73	0.20
1.63E+08	ER degradation-enhancing alpha-mannosidase	0.80		0.83		0.94		1.01	
4505701	pyridoxal kinase [Homo sapiens]	0.80	0.05	0.92	0.77	0.97	0.77	1.08	0.37
54633312	Golgi apparatus protein 1 isoform 1 precursor	0.80	0.00	0.86	0.01	0.94	0.19	1.20	0.00
15149476	arginine--tRNA ligase, cytoplasmic [Homo sapiens]	0.80	0.00	0.82	0.00	0.90	0.01	0.86	0.03
4505257	moesin [Homo sapiens]	0.79	0.00	0.89	0.00	1.15	0.00	0.78	0.00
14210536	tubulin beta-6 chain [Homo sapiens]	0.79	0.01	0.76	0.00	0.96	0.61	0.66	0.02
4557625	glutamate--cysteine ligase catalytic subunit isoform 1	0.79	0.47	1.11	0.75	0.88	0.44	1.37	0.38
5031631	lysosome membrane protein 2 isoform 1 precursor	0.79	0.12	0.94	0.54	0.72	0.06	0.94	0.53
42741648	15 kDa selenoprotein isoform 1 precursor [Homo sapiens]	0.79	0.26	0.89	0.47	0.88	0.42	0.92	0.70
39930531	EGF domain-specific O-linked N-acetylglucosamine 6 acetyltransferase	0.79	0.10	0.64	0.14	0.97	0.76	0.82	0.30
50980307	myosin phosphatase Rho-interacting protein isoform 1	0.79	0.10	0.83	0.21	0.92	0.32	0.76	0.13
71773329	annexin A6 isoform 1 [Homo sapiens]	0.79	0.00	0.89	0.00	1.09	0.04	1.06	0.25
11095441	methylmalonate-semialdehyde dehydrogenase [Homo sapiens]	0.79	0.05	0.98	0.84	0.85	0.32	1.22	0.07
1.02E+08	tyrosine-protein kinase JAK1 [Homo sapiens]	0.79	0.55	0.92	0.84	0.75	0.21	0.63	0.25
21070997	stromal interaction molecule 1 precursor [Homo sapiens]	0.79	0.44	0.81	0.50	0.89	0.72	0.74	0.23
2.07E+08	peptidyl-prolyl cis-trans isomerase FKBP2 precursor	0.79		0.89		0.69		0.86	
4507949	14-3-3 protein beta/alpha [Homo sapiens]	0.79	0.01	0.87	0.13	0.98	0.78	0.78	0.01
4502049	aldose reductase [Homo sapiens]	0.79	0.00	0.79	0.01	0.79	0.00	0.82	0.01
13899342	mitochondrial glutamate carrier 2 [Homo sapiens]	0.79		0.89		0.77		1.18	
4501883	actin, aortic smooth muscle [Homo sapiens]	0.79	0.02	0.82	0.03	1.10	0.47	0.45	0.03
4505185	macrophage migration inhibitory factor [Homo sapiens]	0.79	0.29	0.69	0.18	0.95	0.70	0.73	0.20
47419916	tryptophan--tRNA ligase, cytoplasmic isoform a	0.79	0.00	0.87	0.01	1.33	0.00	0.76	0.06
94721250	vesicle-associated membrane protein-associated protein 1	0.79	0.04	0.80	0.21	0.92	0.63	0.77	0.31
29336043	caytaxin [Homo sapiens]	0.79		0.76		0.82		0.42	
3.05E+08	UPF0505 protein C16orf62 [Homo sapiens]	0.79		0.84		0.83		0.80	
4502303	ATP synthase subunit O, mitochondrial precursor	0.79	0.05	0.74	0.01	1.01	0.90	1.08	0.24
33469966	sec1 family domain-containing protein 1 isoform 1	0.79	0.02	0.75	0.01	0.87	0.04	0.87	0.10
55749577	ADP/ATP translocase 1 [Homo sapiens]	0.79	0.26	0.80	0.27	1.11	0.49	0.87	0.50
5803187	transaldolase [Homo sapiens]	0.79	0.00	0.74	0.00	0.98	0.64	0.93	0.26
41322916	plectin isoform 1 [Homo sapiens]	0.79	0.00	0.75	0.00	1.34	0.00	0.69	0.00
1.19E+08	syntaxin-binding protein 3 [Homo sapiens]	0.79	0.04	0.76	0.04	0.80	0.19	0.88	0.19
19923669	protein sel-1 homolog 1 isoform 1 precursor [Homo sapiens]	0.79	0.07	0.75	0.05	0.88	0.54	0.81	0.57
1.68E+08	lactadherin isoform a preproprotein [Homo sapiens]	0.79	0.02	1.00	0.98	0.72	0.15	0.49	0.00
5031599	actin-related protein 2/3 complex subunit 2 [Homo sapiens]	0.79	0.00	0.82	0.00	1.18	0.00	0.72	0.00
20531765	SPRY domain-containing protein 7 isoform 1 [Homo sapiens]	0.79		0.82		0.95		0.83	
3E+08	ras GTPase-activating protein 4 isoform 1 [Homo sapiens]	0.79		1.12		0.63		0.70	
6912598	cytosolic purine 5'-nucleotidase [Homo sapiens]	0.79	0.08	0.92	0.44	1.01	0.91	1.04	0.66
31317224	EGF-like repeat and discoidin I-like domain-containing protein 1	0.79	0.00	0.86	0.01	0.71	0.00	0.51	0.00
47519639	microtubule-associated protein 4 isoform 1 [Homo sapiens]	0.79	0.00	0.74	0.00	1.22	0.00	0.85	0.00
1.9E+08	phosphatidylinositol 3-kinase SAC1 [Homo sapiens]	0.79	0.29	0.83	0.35	0.90	0.24	0.86	0.24
5453678	epididymal secretory protein E1 precursor [Homo sapiens]	0.79	0.10	0.76	0.08	0.78	0.21	1.13	0.51
5453601	cartilage-associated protein precursor [Homo sapiens]	0.79	0.01	0.52	0.02	0.59	0.15	0.64	0.20
83776598	mitochondrial antiviral-signaling protein isoform 1	0.79		0.78		0.91		0.90	
1.23E+08	proteasome-associated protein ECM29 homolog 1	0.78	0.00	0.75	0.00	0.88	0.07	0.79	0.00
1.55E+08	erlin-1 [Homo sapiens]	0.78		0.83		1.16		1.07	
4506675	dolichyl-diphosphooligosaccharide--protein glycosyltransferase 1	0.78	0.00	0.80	0.00	1.10	0.16	1.05	0.53
4885661	tyrosine-protein kinase Yes [Homo sapiens]	0.78	0.26	0.85	0.48	0.91	0.55	1.14	0.43
4505541	general vesicular transport factor p115 [Homo sapiens]	0.78	0.00	0.78	0.00	0.97	0.60	0.84	0.01
4505061	cation-dependent mannose-6-phosphate receptor 1	0.78	0.25	0.82	0.30	1.06	0.65	0.92	0.82
4507249	signal transducing adapter molecule 1 [Homo sapiens]	0.78	0.04	0.85	0.12	0.84	0.10	0.80	0.05
3.12E+08	eukaryotic translation initiation factor 4 gamma	0.78		0.93		0.85		0.88	
4502491	complement component 1 Q subcomponent-binder	0.78	0.36	0.79	0.25	1.15	0.39	0.92	0.71

1.26E+08	prolow-density lipoprotein receptor-related prote	0.78	0.00	0.85	0.00	0.86	0.00	1.32	0.00
21361458	rho guanine nucleotide exchange factor 17 [H	0.78		1.03		1.09		1.07	
39725634	la-related protein 1 isoform 1 [Homo sapiens]	0.78	0.03	0.84	0.16	0.77	0.02	0.65	0.06
1.5E+08	FK506-binding protein 15 [Homo sapiens]	0.78	0.27	0.91	0.55	0.79	0.29	1.03	0.82
5031635	cofilin-1 [Homo sapiens]	0.78	0.00	0.89	0.09	1.34	0.01	0.88	0.31
50541956	GMP reductase 2 isoform 1 [Homo sapiens]	0.78	0.11	0.72	0.07	0.73	0.07	0.80	0.23
11056061	thymosin beta-4 [Homo sapiens]	0.78	0.57	0.54	0.11	1.11	0.65	0.60	0.10
41393614	ras-related protein Rab-5C isoform a [Homo saç	0.78	0.07	0.84	0.14	1.02	0.77	0.85	0.40
4503609	electron transfer flavoprotein subunit beta isofor	0.78	0.01	0.64	0.00	0.63	0.00	0.87	0.12
88501738	TRIO and F-actin-binding protein isoform 6 [Hor	0.78		0.62		0.81		0.83	
2.24E+08	aldehyde dehydrogenase family 16 member A1	0.78		0.91		0.88		0.81	
5031593	actin-related protein 2/3 complex subunit 5 isofc	0.78	0.14	0.89	0.31	1.25	0.28	0.86	0.45
5454048	semaphorin-3C precursor [Homo sapiens]	0.78	0.24	0.64	0.21	0.56	0.25	0.87	0.39
10863927	peptidyl-prolyl cis-trans isomerase A [Homo sap	0.78	0.04	0.76	0.01	0.96	0.68	0.87	0.25
41872577	raftlin [Homo sapiens]	0.78	0.22	0.96	0.79	1.23	0.04	0.70	0.16
20070158	serine/threonine-protein kinase 24 isoform a [Hc	0.78	0.24	0.88	0.42	1.09	0.69	0.87	0.79
1.11E+08	182 kDa tankyrase-1-binding protein [Homo sap	0.78	0.00	0.72	0.00	1.00	0.95	1.03	0.57
59850812	uromodulin precursor [Homo sapiens]	0.78	0.64	0.64	0.31	0.89	0.78	0.85	0.72
17978519	vacuolar protein sorting-associated protein 26A	0.77	0.04	0.78	0.02	0.79	0.02	0.81	0.16
1.5E+08	rho GTPase-activating protein 35 [Homo sapien	0.77	0.09	1.02	0.81	0.92	0.45	0.86	0.60
3.43E+08	H(+)/Cl(-) exchange transporter 3 isoform c [Hor	0.77	0.24	0.83	0.31	0.57	0.16	0.93	0.71
13236587	transmembrane protein 43 [Homo sapiens]	0.77	0.01	0.85	0.04	0.90	0.12	0.97	0.63
33413400	S-formylglutathione hydrolase [Homo sapiens]	0.77	0.00	0.78	0.01	0.76	0.00	0.86	0.08
24308201	adipocyte plasma membrane-associated proteir	0.77	0.02	0.73	0.00	1.10	0.43	1.00	0.96
4.51E+08	lon protease homolog, mitochondrial isoform 2 [	0.77	0.00	0.82	0.00	0.86	0.01	1.03	0.67
4557237	acetyl-CoA acetyltransferase, mitochondrial pre	0.77	0.00	0.74	0.01	0.78	0.07	1.00	1.00
67944634	exocyst complex component 1 isoform 1 [Homo	0.77	0.23	0.79	0.26	0.89	0.56	0.69	0.49
1.51E+08	mitochondrial fission 1 protein [Homo sapiens]	0.77	0.45	0.63	0.41	0.75	0.22	0.81	0.29
4506641	60S ribosomal protein L37 [Homo sapiens]	0.77	0.05	0.87	0.18	1.06	0.66	1.00	0.99
4505163	alpha-1,6-mannosyl-glycoprotein 2-beta-N-acety	0.77		0.84		0.98		0.76	
63252902	tropomyosin alpha-1 chain isoform 2 [Homo sap	0.77	0.04	0.55	0.01	3.29	0.00	0.49	0.01
48255891	glucosidase 2 subunit beta isoform 2 precursor	0.77	0.00	0.87	0.01	1.03	0.55	1.02	0.66
47717123	intersectin-1 isoform ITSN-I [Homo sapiens]	0.77		1.32		0.83		0.75	
2.38E+08	sodium/potassium-transporting ATPase subunit	0.77	0.00	0.88	0.05	0.78	0.00	0.82	0.01
94538362	flotillin-2 [Homo sapiens]	0.77	0.02	0.93	0.44	0.98	0.70	1.21	0.07
4503579	band 4.1-like protein 2 isoform a [Homo sapiens	0.77	0.00	0.78	0.00	0.94	0.70	1.18	0.03
5802974	thioredoxin-dependent peroxide reductase, mito	0.77	0.10	0.78	0.05	0.98	0.78	1.07	0.50
5453726	leucine-rich repeat flightless-interacting protein	0.77		0.79		0.99		0.82	
4505011	lysyl oxidase homolog 2 precursor [Homo sapien	0.77	0.01	0.72	0.02	2.20	0.00	0.84	0.24
20070228	nucleobindin-1 precursor [Homo sapiens]	0.77	0.00	0.90	0.10	0.87	0.08	0.90	0.11
25286703	uncharacterized protein KIAA2013 precursor [H	0.77		0.73		0.74		0.63	
5453595	adenylyl cyclase-associated protein 1 [Homo sa	0.76	0.00	0.76	0.00	1.22	0.00	0.65	0.00
5803003	protein diaphanous homolog 2 isoform 156 [Hor	0.76		0.52		0.60		0.76	
4502861	AP-3 complex subunit sigma-1 [Homo sapiens]	0.76	0.22	0.95	0.78	1.25	0.19	1.36	0.29
23308697	signal recognition particle receptor subunit alph	0.76	0.01	0.83	0.18	0.84	0.06	0.78	0.34
2.92E+08	membrane-associated progesterone receptor cc	0.76	0.16	0.76	0.09	0.94	0.46	0.84	0.29
66932988	filamin-binding LIM protein 1 isoform c [Homo s	0.76	0.09	0.67	0.00	1.41	0.02	0.50	0.00
21361370	glycogen phosphorylase, brain form [Homo sapi	0.76	0.01	0.79	0.06	0.94	0.59	0.74	0.05
2.27E+08	isovaleryl-CoA dehydrogenase, mitochondrial is	0.76	0.05	0.77	0.04	0.87	0.43	1.01	0.86
2.89E+08	protein NOXP20 [Homo sapiens]	0.76	0.03	0.59	0.00	0.93	0.16	0.79	0.00
4759276	U3 small nucleolar RNA-interacting protein 2 [H	0.76	0.22	0.81	0.28	0.58	0.12	0.79	0.26
46309463	vitamin K epoxide reductase complex subunit 1-	0.76	0.36	0.77	0.24	1.13	0.43	0.86	0.38
5453790	nicotinamide N-methyltransferase [Homo sapier	0.76	0.01	0.60	0.00	1.44	0.00	0.81	0.04
4506455	reticulocalbin-1 precursor [Homo sapiens]	0.76	0.00	0.87	0.00	1.21	0.00	1.05	0.27
56788366	phosphatidylinositol-binding clathrin assembly p	0.76	0.00	0.82	0.00	1.02	0.67	0.83	0.07
34147513	ras-related protein Rab-7a [Homo sapiens]	0.76	0.02	0.79	0.00	0.66	0.00	0.78	0.00

15451856	caveolin-1 isoform alpha [Homo sapiens]	0.76	0.13	0.56	0.04	1.37	0.00	0.76	0.02
6681764	NADH dehydrogenase [ubiquinone] 1 alpha sub 0.76	0.02	0.87	0.16	0.94	0.51	1.17	0.06	
3.92E+08	lipoamide acyltransferase component of branch 0.76	0.52	0.80	0.51	0.99	0.94	1.37	0.30	
3.12E+08	calpain-1 catalytic subunit [Homo sapiens]	0.76	0.00	0.74	0.00	1.08	0.05	0.92	
33589861	ras-related protein Rab-31 [Homo sapiens]	0.76	0.75	1.00	0.36				
4506127	ribose-phosphate pyrophosphokinase 1 isoform 0.76	0.08	0.82	0.19	0.76	0.08	0.64	0.09	
4505591	peroxiredoxin-1 [Homo sapiens]	0.76	0.01	0.64	0.00	1.05	0.46	0.69	
29826294	Golgi reassembly-stacking protein 2 isoform 1 [H 0.76	0.06	0.74	0.02	1.05	0.75	1.18	0.46	
33188445	microtubule-actin cross-linking factor 1 isoform 0.75	0.00	0.80	0.00	1.32	0.00	0.65	0.00	
4557809	ornithine aminotransferase, mitochondrial isofor 0.75	0.00	0.58	0.00	0.83	0.07	0.68	0.01	
65301167	very low-density lipoprotein receptor isoform a p 0.75	0.24	0.78	0.27	0.98	0.87	0.72	0.21	
12667788	myosin-9 [Homo sapiens]	0.75	0.00	0.71	0.00	2.22	0.00	0.51	
5174425	Down syndrome critical region protein 3 [Homo 0.75	0.75	0.88	1.04					
74136552	LDLR chaperone MESD precursor [Homo sapie 0.75	0.04	0.85	0.08	0.91	0.23	0.95	0.47	
13273311	GDP-fucose protein O-fucosyltransferase 2 isof 0.75	0.05	0.71	0.02	1.19	0.02	1.02	0.80	
19923750	ras-related protein Rab-3B [Homo sapiens]	0.75	0.10	0.81	0.17	0.96	0.73	0.59	
13325075	sulfhydryl oxidase 1 isoform a precursor [Homo 0.75	0.99	1.12	0.99					
94721354	bifunctional methylenetetrahydrofolate dehydroc 0.75	0.23	1.02	0.86	1.28	0.26	0.54	0.23	
1.9E+08	thyroid receptor-interacting protein 11 [Homo sa 0.75	0.17	0.86	0.56	0.87	0.23	0.80	0.54	
4505145	NAD-dependent malic enzyme, mitochondrial is 0.75	0.11	0.81	0.19	0.76	0.03	1.07	0.41	
4826659	F-actin-capping protein subunit beta isoform 1 [I 0.75	0.02	0.69	0.00	1.01	0.94	0.77	0.02	
18765709	inositol polyphosphate 5-phosphatase K isoform 0.75	0.70	1.18	0.49					
33356177	tyrosine-protein phosphatase non-receptor type 0.75	0.00	0.81	0.01	0.92	0.15	0.79	0.00	
1.57E+08	calpain-2 catalytic subunit isoform 1 [Homo sapi 0.75	0.00	0.66	0.00	0.97	0.46	0.56	0.00	
3.12E+08	PDZ and LIM domain protein 2 isoform 2 [Homo 0.75	0.03	0.75	0.03	1.14	0.17	0.67	0.01	
58761500	obg-like ATPase 1 isoform 1 [Homo sapiens]	0.75	0.02	0.82	0.03	0.81	0.01	0.85	
1.13E+08	poly [ADP-ribose] polymerase 4 [Homo sapiens] 0.75	0.06	0.55	0.02	0.93	0.22	0.68	0.03	
11993943	tax1-binding protein 3 isoform 1 [Homo sapiens] 0.75	0.37	0.90	0.51	1.55	0.26	1.10	0.67	
21361621	phosphoglucomutase-1 isoform 1 [Homo sapien 0.75	0.00	0.62	0.00	0.75	0.00	0.92	0.26	
16753215	profilin-2 isoform a [Homo sapiens]	0.75	0.38	1.05	0.83	1.12	0.64	0.69	
1.49E+08	protein LBH [Homo sapiens]	0.75	0.90	1.12	0.66				
1.16E+08	collagen alpha-2(VI) chain isoform 2C2 precurs 0.75	0.07	1.68	0.00	0.64	0.00	0.76	0.13	
82546830	exocyst complex component 4 isoform a [Homo 0.75	0.07	0.79	0.02	0.90	0.20	0.80	0.11	
45387945	extended synaptotagmin-2 [Homo sapiens]	0.75	0.00	0.64	0.01	0.93	0.71	0.65	
1.58E+08	succinyl-CoA ligase [GDP-forming] subunit beta 0.75	0.03	0.74	0.04	0.53	0.07	0.95	0.55	
19526773	ubiquitin-like-conjugating enzyme ATG3 [Homo 0.75	0.22	0.82	0.31	0.75	0.36	0.56	0.20	
7705266	NCK-interacting protein with SH3 domain isoform 0.74	0.85	1.08	1.02					
2.19E+08	endoplasmic reticulum mannosyl-oligosaccharic 0.74	0.04	0.73	0.14	0.80	0.05	0.73	0.25	
4503743	protein flightless-1 homolog isoform 1 [Homo sa 0.74	0.00	0.76	0.00	0.83	0.00	0.58	0.00	
5579478	dual specificity mitogen-activated protein kinase 0.74	0.12	0.78	0.15	0.85	0.51	0.72	0.20	
2.12E+08	protein MEMO1 isoform 2 [Homo sapiens]	0.74	0.21	0.70	0.17	0.89	0.45	0.64	
24308127	dnaJ homolog subfamily C member 10 isoform 0.74	0.00	0.74	0.00	0.83	0.12	0.75	0.02	
62244044	OCIA domain-containing protein 2 isoform 1 [Hc 0.74	0.21	0.50	0.15	1.38	0.19	0.18	0.12	
5803121	protein disulfide-isomerase A5 precursor [Homo 0.74	0.00	0.68	0.00	1.03	0.63	1.03	0.71	
1.9E+08	transmembrane 9 superfamily member 3 precur 0.74	0.07	0.77	0.08	0.87	0.22	0.81	0.37	
15147219	transcriptional activator protein Pur-beta [Homo 0.74	0.09	0.93	0.55	0.84	0.45	0.70	0.18	
68800430	HCLS1-binding protein 3 [Homo sapiens]	0.74	0.70	0.74	0.71				
45439306	aspartate--tRNA ligase, cytoplasmic [Homo sapi 0.74	0.00	0.79	0.00	0.81	0.00	0.80	0.00	
2.23E+08	integrin alpha-V isoform 2 precursor [Homo sapi 0.74	0.00	0.79	0.00	1.10	0.02	0.55	0.00	
4502067	protein AMBP preproprotein [Homo sapiens]	0.74	0.69	0.96	1.09				
2.91E+08	ubiquitin-like protein ATG12 [Homo sapiens]	0.74	0.81	0.92	0.73				
21237745	mitogen-activated protein kinase 9 isoform beta 0.74	0.99	0.88	1.09					
7661862	protein phosphatase 1F [Homo sapiens]	0.74	0.54	0.60	0.79				
4809279	annexin A7 isoform 2 [Homo sapiens]	0.74	0.00	0.66	0.00	0.67	0.00	0.82	
1.94E+08	alpha-actinin-1 isoform a [Homo sapiens]	0.74	0.00	0.74	0.00	1.72	0.00	0.53	
5803177	beta-2-syntrophin [Homo sapiens]	0.74	0.07	0.70	0.17	1.14	0.17	1.65	

18699732	45 kDa calcium-binding protein isoform 2 precursor	0.74	0.13	0.91	0.37	0.99	0.88	0.45	0.05
7706497	UMP-CMP kinase isoform a [Homo sapiens]	0.74	0.08	0.71	0.07	0.95	0.76	0.77	0.17
30089940	Golgin subfamily A member 3 isoform 1 [Homo sapiens]	0.74	0.12	0.79	0.82	0.96	0.72	0.79	0.82
2.85E+08	signal recognition particle receptor subunit beta	0.74	0.05	0.79	0.04	0.86	0.05	0.68	0.05
31657142	integrin alpha-1 precursor [Homo sapiens]	0.74	0.03	0.63	0.03	1.87	0.00	0.61	0.01
68989256	ras and Rab interactor 1 [Homo sapiens]	0.74	0.29	0.71	0.18	0.70	0.18	0.59	0.12
14389309	tubulin alpha-1C chain [Homo sapiens]	0.74		0.59		0.49		0.28	
67782365	keratin, type II cytoskeletal 7 [Homo sapiens]	0.74	0.03	0.72	0.32	0.75	0.04	0.56	0.67
27544939	protein BRICK1 [Homo sapiens]	0.74	0.38	0.92	0.69	1.33	0.39	0.96	0.79
23943920	cytosolic phospholipase A2 [Homo sapiens]	0.74	0.52	1.09	0.92	0.71	0.57	0.68	0.17
5803149	transmembrane emp24 domain-containing protein	0.74	0.10	0.78	0.11	0.88	0.18	0.97	0.67
4759082	serum deprivation-response protein [Homo sapiens]	0.74		0.56		1.46		1.06	
46249397	ras-related GTP-binding protein B long isoform	0.74	0.08	0.85	0.21	0.53	0.09	0.75	0.13
62241042	bifunctional glutamate/proline--tRNA ligase [Homo sapiens]	0.73	0.00	0.75	0.00	0.93	0.04	0.81	0.00
4758328	fatty acid-binding protein, heart [Homo sapiens]	0.73	0.02	0.52	0.01	0.71	0.03	2.20	0.03
21314632	neutral amino acid transporter A isoform 1 [Homo sapiens]	0.73		1.33		0.74		0.16	
58530845	zyxin [Homo sapiens]	0.73	0.00	0.76	0.00	1.32	0.00	0.66	0.00
32189371	transmembrane protein 165 precursor [Homo sapiens]	0.73		0.72		0.75		0.92	
2.39E+08	UDP-glucose:glycoprotein glucosyltransferase 2	0.73	0.06	0.77	0.20	0.78	0.37	0.69	0.38
2.22E+08	inositol monophosphatase 1 isoform 2 [Homo sapiens]	0.73	0.08	0.76	0.30	0.74	0.27	0.55	0.76
4557317	annexin A11 [Homo sapiens]	0.73	0.01	0.60	0.00	0.94	0.27	0.86	0.06
5453549	peroxiredoxin-4 precursor [Homo sapiens]	0.73	0.04	0.66	0.03	0.87	0.12	0.85	0.12
4504347	hemoglobin subunit alpha [Homo sapiens]	0.73	0.06	0.96	0.70	1.11	0.32	0.60	0.07
1.46E+08	schlafen family member 5 [Homo sapiens]	0.73	0.06	0.74	0.06	0.88	0.32	0.86	0.20
11056044	inorganic pyrophosphatase [Homo sapiens]	0.73	0.07	0.85	0.25	1.09	0.73	0.76	0.20
4557587	fumarylacetoacetase [Homo sapiens]	0.73	0.03	0.80	0.14	1.14	0.11	0.78	0.03
63055043	transmembrane protein 205 [Homo sapiens]	0.73		0.79		0.73		0.86	
5453668	ubiquitin-like modifier-activating enzyme ATG7	0.73	0.06	0.69	0.13	0.75	0.21	0.53	0.02
19913432	V-type proton ATPase subunit d 1 [Homo sapiens]	0.73	0.00	0.80	0.00	0.85	0.03	0.77	0.17
5453599	F-actin-capping protein subunit alpha-2 [Homo sapiens]	0.73	0.20	0.65	0.03	0.83	0.26	0.59	0.02
95147555	microtubule-associated protein 1A [Homo sapiens]	0.73	0.00	0.84	0.04	1.41	0.00	0.78	0.00
8923855	glycosyltransferase 8 domain-containing protein	0.73		0.72		0.96		0.79	
1.11E+08	transmembrane protein 245 [Homo sapiens]	0.73	0.26	0.77	0.24	1.13	0.45	0.64	0.21
47519490	reticulon-4 isoform D [Homo sapiens]	0.73		0.80		1.53		0.54	
1.18E+08	myotubularin-related protein 14 isoform 1 [Homo sapiens]	0.73		0.80		0.81		0.84	
46249393	rho-related GTP-binding protein RhoG precursor	0.73	0.06	0.70	0.05	1.01	0.92	0.81	0.12
93102375	protein FAM114A2 [Homo sapiens]	0.73	0.57	0.89	0.91	1.07	0.84	1.13	0.92
1.09E+08	alanine--tRNA ligase, cytoplasmic [Homo sapiens]	0.73	0.00	0.85	0.00	0.87	0.06	0.73	0.00
4758862	eukaryotic translation elongation factor 1 epsilon	0.73	0.06	0.86	0.22	0.88	0.51	0.83	0.37
1.2E+08	acyl-CoA-binding protein isoform 3 [Homo sapiens]	0.73	0.23	0.71	0.23	1.02	0.88	0.86	0.43
4507879	voltage-dependent anion-selective channel protein	0.73	0.00	0.79	0.01	0.94	0.31	0.75	0.04
4507869	vasodilator-stimulated phosphoprotein [Homo sapiens]	0.73	0.01	0.77	0.02	1.45	0.02	0.67	0.05
5453832	hypoxia up-regulated protein 1 precursor [Homo sapiens]	0.73	0.00	0.89	0.00	1.10	0.00	0.87	0.00
65787364	coronin-1B [Homo sapiens]	0.73	0.01	0.70	0.00	1.04	0.49	0.83	0.11
1.24E+08	unconventional myosin-Ic isoform a [Homo sapiens]	0.73	0.00	0.62	0.00	0.96	0.30	0.78	0.00
51479143	ATP synthase-coupling factor 6, mitochondrial isoform	0.73	0.30	0.68	0.17	1.17	0.21	1.08	0.74
4758258	eukaryotic translation initiation factor 4E-binding protein	0.73	0.07	0.97	0.81	1.01	0.94	0.80	0.51
2.93E+08	NADH dehydrogenase subunit 5 [Homo sapiens]	0.72	0.19	0.69	0.17	0.81	0.30	0.83	0.38
6912396	glyoxylate reductase/hydroxypyruvate reductase	0.72	0.11	0.73	0.04	0.97	0.74	0.92	0.51
6912484	group XV phospholipase A2 precursor [Homo sapiens]	0.72		0.62		0.50		0.85	
4505021	alpha-2-macroglobulin receptor-associated protein	0.72	0.00	0.76	0.00	0.93	0.19	1.02	0.74
7661948	malectin precursor [Homo sapiens]	0.72	0.09	0.77	0.16	0.78	0.15	0.96	0.85
7705501	transmembrane protein 14C [Homo sapiens]	0.72		0.70		0.87		0.65	
2.97E+08	protein kinase C and casein kinase substrate in	0.72	0.02	0.71	0.01	1.18	0.06	0.73	0.01
19913428	V-type proton ATPase subunit B, brain isoform	0.72	0.01	0.71	0.02	0.70	0.00	0.67	0.10
26667189	calcium/calmodulin-dependent protein kinase type	0.72	0.02	0.87	0.09	0.56	0.01	0.90	0.48

18079218	oxysterol-binding protein-related protein 8 isoform 1	0.72	0.02	0.77	0.04	0.80	0.13	0.64	0.03
2.05E+08	fibronectin type III domain-containing protein 3B	0.72	0.00	0.64	0.00	1.09	0.18	0.65	0.00
62240992	cysteine--tRNA ligase, cytoplasmic isoform c	[Homo sapiens]	0.72	0.00	0.74	0.00	1.08	0.07	0.66
88999583	myosin light polypeptide 6 isoform 2	[Homo sapiens]	0.72	0.00	0.72	0.00	2.15	0.00	0.59
46852147	isoleucine--tRNA ligase, mitochondrial precursor	0.72	0.00	0.70	0.00	0.85	0.05	0.95	0.69
38570132	arf-GAP domain and FG repeat-containing protein 1	0.72	0.00	0.66	0.00	0.71	0.00	0.61	0.00
6912238	peroxiredoxin-5, mitochondrial isoform a precursor	0.72	0.01	0.62	0.01	1.02	0.75	0.86	0.07
1.6E+08	filamin-A isoform 2	[Homo sapiens]	0.72	0.00	0.80	0.00	1.62	0.00	0.64
55769533	PRKC apoptosis WT1 regulator protein	[Homo sapiens]	0.72	0.03	0.75	0.04	1.11	0.32	0.67
1.16E+08	collagen alpha-2(IV) chain preproprotein	[Homo sapiens]	0.72	0.08	0.59	0.15	2.17	0.00	0.69
9910280	UDP-glucose:glycoprotein glucosyltransferase 10	0.72	0.00	0.83	0.00	0.92	0.01	0.78	0.00
1.92E+08	peptidyl-prolyl cis-trans isomerase FKBP10 precursor	0.72	0.00	0.69	0.00	1.30	0.00	1.10	0.15
38176287	branched-chain-amino-acid aminotransferase, cytosolic	0.72	0.01	0.70	0.01	1.17	0.08	0.55	0.00
21703346	spartin	[Homo sapiens]	0.72	0.06	0.76	0.09	0.66	0.12	0.88
27477070	TATA-binding protein-associated factor 172	[Homo sapiens]	0.72	0.00	0.80	0.00	0.79	0.00	0.71
5031873	protein ERGIC-53 precursor	[Homo sapiens]	0.72	0.00	0.71	0.00	1.10	0.19	1.06
21735621	malate dehydrogenase, mitochondrial precursor	0.72	0.00	0.64	0.00	1.00	0.93	0.99	0.84
73747875	proteasome subunit beta type-8 isoform E2 precursor	0.72	0.19	0.59	0.53	0.73	0.34	0.98	0.85
13325072	inositol polyphosphate 5-phosphatase OCRL-1 isoform 1	0.72	0.00	0.90	0.00	1.17	0.00	1.01	0.00
3.32E+08	pyruvate kinase isozymes M1/M2 isoform c	[Homo sapiens]	0.72	0.06	0.66	0.04	1.09	0.78	0.53
4758304	protein disulfide-isomerase A4 precursor	[Homo sapiens]	0.71	0.00	0.84	0.00	1.26	0.00	0.98
3.48E+08	glutamine--fructose-6-phosphate aminotransferase (cytosolic)	0.71	0.00	0.69	0.00	0.88	0.11	0.70	0.00
4503571	alpha-enolase isoform 1	[Homo sapiens]	0.71	0.00	0.71	0.00	0.96	0.33	0.70
2.25E+08	ankycorbin isoform d	[Homo sapiens]	0.71	0.02	0.78	0.07	0.94	0.25	0.83
1.89E+08	filamin-C isoform b	[Homo sapiens]	0.71	0.00	0.88	0.00	1.39	0.00	0.74
19913424	V-type proton ATPase catalytic subunit A	[Homo sapiens]	0.71	0.00	0.76	0.00	0.80	0.01	0.80
7661568	phosphoacetylglucosamine mutase isoform 2	[Homo sapiens]	0.71	0.02	0.73	0.01	0.85	0.03	0.82
1.12E+08	lysosome-associated membrane glycoprotein 1 isoform 1	0.71	0.00	0.80	0.01	0.90	0.63	1.20	0.16
4506751	CAP-Gly domain-containing linker protein 1 isoform 1	0.71	0.21	0.76	0.35	0.93	0.66	0.66	0.25
5454028	ras-related protein R-Ras precursor	[Homo sapiens]	0.71	0.21	0.60	0.15	1.01	0.95	0.80
4505753	phosphoglycerate mutase 1	[Homo sapiens]	0.71	0.01	0.65	0.00	1.06	0.48	0.74
66933005	calnexin precursor	[Homo sapiens]	0.71	0.00	0.94	0.23	1.02	0.73	0.78
7706131	peptidyl-prolyl cis-trans isomerase FKBP11 isoform 1	0.71	0.22	0.64	0.04	0.44	0.01	1.31	0.23
33469985	peptidyl-prolyl cis-trans isomerase FKBP9 precursor	0.71	0.00	0.75	0.00	1.01	0.83	0.96	0.43
47933379	alpha-soluble NSF attachment protein	[Homo sapiens]	0.71	0.00	0.79	0.00	0.82	0.01	0.65
5729770	tripeptidyl-peptidase 1 preproprotein	[Homo sapiens]	0.71	0.01	0.78	0.01	0.97	0.81	0.80
37655183	protein NDRG1 isoform 1	[Homo sapiens]	0.71	0.31	0.78	0.33	1.00	0.98	1.00
42794754	long-chain-fatty-acid--CoA ligase 3	[Homo sapiens]	0.71	0.01	0.50	0.00	1.17	0.01	0.75
4507947	tyrosine--tRNA ligase, cytoplasmic	[Homo sapiens]	0.71	0.00	0.77	0.00	0.87	0.01	0.62
30410792	proteasome activator complex subunit 2	[Homo sapiens]	0.71	0.00	0.63	0.00	0.89	0.31	0.91
47717104	V-type proton ATPase subunit H isoform 1	[Homo sapiens]	0.71	0.01	0.69	0.01	0.78	0.02	0.73
40317632	diphosphoinositol polyphosphate phosphohydrolase 1	0.71	0.36	0.79	0.51	0.57	0.15	0.65	0.28
4504747	integrin alpha-3 isoform a precursor	[Homo sapiens]	0.71	0.03	0.49	0.01	0.92	0.35	0.50
3.81E+08	vesicle-trafficking protein SEC22b precursor	[Homo sapiens]	0.71	0.08	0.62	0.01	0.84	0.03	0.78
42740899	cutaneous T-cell lymphoma-associated antigen 1	0.71	0.00	0.67	0.00	0.74	0.00	0.82	0.00
37620194	glucosamine 6-phosphate N-acetyltransferase [Homo sapiens]	0.71	0.00	0.50	0.00	0.72	0.00	0.72	0.00
4758412	polypeptide N-acetylgalactosaminyltransferase 1	0.70	0.00	0.69	0.00	1.06	0.26	0.72	0.00
18379349	synaptic vesicle membrane protein VAT-1 homolog 1	0.70	0.00	0.65	0.00	1.11	0.14	0.77	0.28
19923437	GTP:AMP phosphotransferase, mitochondrial isoform 1	0.70	0.02	0.63	0.00	1.03	0.64	0.98	0.68
4506449	RNA-binding motif, single-stranded-interacting protein 1	0.70	0.12	0.76	0.16	0.99	0.95	0.81	0.52
2.56E+08	ras-related protein Rab-10	[Homo sapiens]	0.70	0.02	0.79	0.07	0.96	0.78	0.76
2.2E+08	eukaryotic translation initiation factor 5A-1 isoform 1	0.70	0.03	0.65	0.01	0.81	0.04	0.74	0.38
51317399	lysosomal acid lipase/cholesteryl ester hydrolase 2	0.70	0.22	0.63	0.21	0.48	0.16	0.87	0.65
2.26E+08	prenylcysteine oxidase-like precursor	[Homo sapiens]	0.70	0.19	0.80	0.29	0.97	0.92	0.82
1.57E+08	UDP-N-acetylhexosamine pyrophosphorylase [Homo sapiens]	0.70	0.02	0.62	0.00	0.63	0.00	0.47	0.01
3.14E+08	programmed cell death protein 4 isoform 3	[Homo sapiens]	0.70	0.00	0.49	0.00	0.70	0.00	1.33

41352061	presequence protease, mitochondrial isoform 2	0.70	0.00	0.65	0.00	0.78	0.01	0.79	0.03
1.16E+08	guanine nucleotide-binding protein subunit alpha	0.70	0.16	0.64	0.14	0.81	0.34	0.82	0.31
1.57E+08	sorting nexin-18 isoform a [Homo sapiens]	0.70	0.00	0.89	0.08	0.90	0.16	0.81	0.10
19923790	rab3 GTPase-activating protein non-catalytic su	0.70	0.06	0.66	0.03	0.72	0.02	0.68	0.09
4507047	high affinity cationic amino acid transporter 1 [H	0.70	0.23	0.90	0.49	0.89	0.47	0.41	0.17
4505891	procollagen-lysine,2-oxoglutarate 5-dioxygenase	0.70	0.00	0.66	0.00	0.88	0.01	0.68	0.00
2.14E+08	B-cell receptor-associated protein 31 isoform a	0.70	0.02	0.80	0.01	1.14	0.22	0.84	0.18
4757944	CD81 antigen [Homo sapiens]	0.70	0.24	0.65	0.15	1.04	0.87	1.05	0.71
5803133	ras-related protein Rab-32 [Homo sapiens]	0.70	0.04	0.67	0.03	0.91	0.25	0.72	0.14
71565154	alcohol dehydrogenase class-3 [Homo sapiens]	0.70	0.00	0.71	0.00	1.07	0.17	0.98	0.75
65288071	tensin-3 [Homo sapiens]	0.70	0.18	0.62	0.28	0.67	0.11	0.92	0.45
7657347	mitochondrial carrier homolog 2 [Homo sapiens]	0.70	0.02	0.74	0.04	0.93	0.39	0.92	0.44
17933772	protein S100-A16 [Homo sapiens]	0.70	0.18	0.34	0.06	1.07	0.43	0.52	0.55
5031601	actin-related protein 2/3 complex subunit 1B [Hc	0.69	0.00	0.50	0.00	0.75	0.07	0.56	0.00
4502317	V-type proton ATPase subunit E 1 isoform a [Hc	0.69	0.01	0.72	0.01	0.73	0.01	0.75	0.02
4506067	protein kinase C alpha type [Homo sapiens]	0.69	0.27	0.72	0.32	0.78	0.44	0.73	0.27
1.11E+08	utrophin [Homo sapiens]	0.69	0.00	0.79	0.01	0.96	0.63	1.04	0.46
55770888	early endosome antigen 1 [Homo sapiens]	0.69	0.00	0.74	0.00	0.90	0.02	0.83	0.01
4758950	peptidyl-prolyl cis-trans isomerase B precursor [	0.69	0.00	0.68	0.00	0.85	0.05	0.75	0.03
38679960	acetyl-CoA carboxylase 1 isoform 1 [Homo sapi	0.69	0.21	0.66	0.05	1.00	0.98	0.60	0.03
4557415	cystathionine beta-synthase [Homo sapiens]	0.69	0.07	0.99	0.91	0.99	0.90	0.46	0.05
71037379	glycogen phosphorylase, liver form isoform 1 [H	0.69	0.04	0.52	0.00	0.83	0.23	0.47	0.02
4885281	glutamate dehydrogenase 1, mitochondrial prec	0.69	0.00	0.71	0.00	0.91	0.04	0.83	0.01
68163411	CD166 antigen isoform 1 precursor [Homo sapi	0.69	0.02	0.58	0.00	0.92	0.28	0.90	0.20
1.57E+08	WD repeat domain phosphoinositide-interacting	0.69		0.84		0.69		0.65	
4504957	lysosome-associated membrane glycoprotein 2	0.69	0.34	0.78	0.24	0.58	0.11	0.86	0.66
24234688	stress-70 protein, mitochondrial precursor [Hom	0.69	0.00	0.77	0.00	0.82	0.00	0.83	0.00
2.42E+08	programmed cell death 6-interacting protein isof	0.69	0.00	0.75	0.00	0.76	0.00	0.78	0.05
5031973	protein disulfide-isomerase A6 precursor [Homo	0.69	0.00	0.75	0.00	1.01	0.91	0.83	0.04
19923748	dihydrolipoyllysine-residue succinyltransferase	0.69	0.00	0.65	0.00	0.85	0.12	0.93	0.80
2.96E+08	glycogenin-1 isoform 2 [Homo sapiens]	0.69	0.14	0.70	0.19	0.74	0.47	0.88	0.50
57164973	RNA-binding protein with multiple splicing isofor	0.69	0.02	0.63	0.05	1.27	0.05	0.56	0.01
1.46E+08	proteasome inhibitor PI31 subunit [Homo sapien	0.69		1.02		0.72		0.87	
4759300	vesicle-associated membrane protein 3 [Homo s	0.69	0.05	0.58	0.03	1.04	0.79	0.63	0.05
9845511	ras-related C3 botulinum toxin substrate 1 isofor	0.69	0.11	0.77	0.21	1.02	0.83	0.81	0.32
46411174	muscleblind-like protein 1 isoform g [Homo sapi	0.69	0.00	0.70	0.01	0.86	0.08	0.75	0.03
34734066	fibulin-1 isoform D precursor [Homo sapiens]	0.69	0.31	1.08	0.64	1.20	0.33	0.99	0.99
4502205	ADP-ribosylation factor 4 [Homo sapiens]	0.69	0.06	0.66	0.30	0.89	0.49	0.70	0.26
16753207	ubiquilin-2 [Homo sapiens]	0.69	0.47	0.76	0.58	0.79	0.66	0.93	0.89
22267436	protein NipSnap homolog 3A [Homo sapiens]	0.69	0.00	0.67	0.01	0.85	0.10	0.94	0.66
33457316	pleckstrin homology domain-containing family C	0.69		0.53		1.48		0.43	
33356170	unconventional myosin-IXb isoform 1 [Homo sa	0.69	0.08	0.68	0.09	0.92	0.47	0.61	0.11
91718899	mitogen-activated protein kinase 3 isoform 1 [Hc	0.68	0.54	0.66	0.55	0.51	0.10	0.55	0.11
38569423	ATP-citrate synthase isoform 2 [Homo sapiens]	0.68	0.00	0.64	0.00	0.97	0.35	0.73	0.00
4503593	epidermal growth factor receptor substrate 15 is	0.68	0.07	0.79	0.20	0.85	0.18	0.74	0.29
1.49E+08	nexilin isoform 1 [Homo sapiens]	0.68	0.00	0.73	0.00	1.97	0.00	0.70	0.00
7656991	coronin-1C isoform b [Homo sapiens]	0.68	0.00	0.68	0.00	1.01	0.70	0.56	0.00
32996709	transmembrane emp24 domain-containing prote	0.68	0.02	0.79	0.09	0.90	0.21	0.82	0.22
24041035	neurogenic locus notch homolog protein 2 isofor	0.68	0.11	0.72	0.11	0.89	0.54	0.80	0.05
1.57E+08	protein FAM118A [Homo sapiens]	0.68		0.70		0.96		0.96	
56237029	integrin alpha-5 precursor [Homo sapiens]	0.68	0.00	0.66	0.00	1.32	0.00	0.57	0.00
4503327	NADH-cytochrome b5 reductase 3 isoform 1 [Hc	0.68	0.00	0.61	0.00	0.84	0.02	0.68	0.00
4826774	ubiquitin-like protein ISG15 precursor [Homo sa	0.68	0.05	0.51	0.02	0.88	0.37	0.64	0.04
1.15E+08	lambda-crystallin homolog [Homo sapiens]	0.68		0.74		0.60		0.78	
24308295	grpE protein homolog 1, mitochondrial precursor	0.68	0.05	0.62	0.03	0.97	0.78	0.67	0.20
79750824	niban-like protein 1 isoform 2 [Homo sapiens]	0.68	0.00	0.58	0.00	0.87	0.04	0.73	0.02



37620210	cytochrome c oxidase protein 20 homolog [Hom	0.68	0.71		0.78		0.55		
13129092	transmembrane protein 109 precursor [Homo s	0.68	1.03		1.02		0.82		
17402893	phosphoserine aminotransferase isoform 1 [Hor	0.68	0.00	1.11	0.06	1.15	0.00	1.24	0.01
41406084	glutathione peroxidase 1 isoform 1 [Homo sapie	0.67	0.00	0.66	0.02	1.25	0.18	0.71	0.07
2.39E+08	mitochondrial 10-formyltetrahydrofolate dehydro	0.67	0.00	0.63	0.00	0.55	0.00	0.81	0.01
7662284	protein-methionine sulfoxide oxidase MICAL2 [F	0.67		0.61		0.64		0.22	
13994353	BTB/POZ domain-containing adapter for CUL3-1	0.67	0.23	0.74	0.25	0.79	0.49	0.41	0.17
10834982	insulin-like growth factor-binding protein 5 precu	0.67		0.37		1.71		0.63	
50659093	epididymis-specific alpha-mannosidase precurs	0.67	0.11	0.73	0.09	0.86	0.15	0.94	0.50
3.75E+08	tricarboxylate transport protein, mitochondrial is	0.67	0.00	0.58	0.00	1.09	0.46	1.17	0.50
4503139	cathepsin B preproprotein [Homo sapiens]	0.67	0.05	0.50	0.02	1.04	0.72	0.78	0.11
61743954	neuroblast differentiation-associated protein AH	0.67	0.00	0.74	0.00	1.04	0.00	1.10	0.00
14251209	chloride intracellular channel protein 1 [Homo s	0.67	0.02	0.57	0.00	0.89	0.09	0.52	0.00
1.03E+08	isochorismatase domain-containing protein 1 [H	0.67	0.16	0.72	0.26	0.64	0.15	0.64	0.24
3.86E+08	sodium bicarbonate cotransporter 3 isoform b [F	0.67	0.17	0.29	0.11	0.27	0.13	0.19	0.12
4505689	pyruvate dehydrogenase kinase, isozyme 1 [Ho	0.67		0.73		0.88		0.12	
5802966	dextrin isoform a [Homo sapiens]	0.67	0.00	0.70	0.01	1.07	0.19	0.55	0.01
4.58E+08	mitochondrial fission factor isoform a [Homo sa	0.67		0.68		0.67		0.51	
4757818	V-type proton ATPase subunit G 1 [Homo sapie	0.67	0.04	0.63	0.03	0.70	0.05	0.66	0.04
1.54E+08	pleckstrin homology domain-containing family A	0.67		0.70		1.10		0.97	
4506787	ras GTPase-activating-like protein IQGAP1 [Hor	0.67	0.00	0.63	0.00	0.95	0.28	0.62	0.00
3.45E+08	tumor protein D54 isoform j [Homo sapiens]	0.67	0.01	0.64	0.01	0.95	0.42	0.95	0.65
50428935	microtubule-associated protein 1S [Homo sapie	0.67	0.04	0.76	0.08	1.00	1.00	0.97	0.82
2.26E+08	lysophospholipid acyltransferase 7 isoform 1 [H	0.67	0.09	0.70	0.06	1.07	0.51	0.74	0.21
13027378	glucosamine-6-phosphate isomerase 1 [Homo s	0.67	0.01	0.63	0.00	0.60	0.00	0.89	0.24
63253298	spermidine synthase [Homo sapiens]	0.67	0.00	0.65	0.00	0.66	0.00	0.76	0.01
1.09E+08	glucose-6-phosphate 1-dehydrogenase isoform	0.67	0.00	0.56	0.00	1.04	0.26	0.76	0.00
4.26E+08	serpin B6 isoform b [Homo sapiens]	0.67	0.00	0.60	0.00	0.77	0.01	0.66	0.00
4502211	ADP-ribosylation factor 6 [Homo sapiens]	0.67	0.04	0.52	0.02	0.78	0.11	0.61	0.05
81295407	acyl-coenzyme A thioesterase 9, mitochondrial i	0.67	0.01	0.58	0.00	0.95	0.58	0.65	0.01
24850115	sialate O-acetyltransferase isoform 1 precursor [H	0.66		0.91		0.92		0.75	
55743118	rab3 GTPase-activating protein catalytic subunit	0.66	0.05	0.65	0.07	0.60	0.12	0.56	0.09
5453990	proteasome activator complex subunit 1 isoform	0.66	0.00	0.43	0.00	0.55	0.00	0.92	0.46
68226422	protein YIPF5 isoform a [Homo sapiens]	0.66	0.16	0.67	0.17	0.95	0.74	0.86	0.40
67782311	helicase SKI2W [Homo sapiens]	0.66	0.01	0.65	0.01	0.78	0.03	0.70	0.08
4505143	NADP-dependent malic enzyme [Homo sapiens]	0.66	0.05	0.52	0.08	1.07	0.48	0.73	0.07
2.82E+08	serine/threonine-protein phosphatase PGAM5, r	0.66	0.02	0.56	0.11	1.01	0.93	0.96	0.81
68160937	E3 ubiquitin/ISG15 ligase TRIM25 [Homo sapie	0.66	0.01	0.67	0.02	0.49	0.00	0.69	0.14
1.68E+08	alpha-1,3-mannosyl-glycoprotein 2-beta-N-acety	0.66		0.66		0.74		0.76	
54144625	protein numb homolog isoform 1 [Homo sapiens]	0.66		0.60		0.93		0.95	
5802998	cdc42 effector protein 2 [Homo sapiens]	0.66		0.65		0.62		0.74	
2.23E+08	talin-1 [Homo sapiens]	0.66	0.00	0.67	0.00	1.05	0.25	0.62	0.00
40254462	guanine nucleotide-binding protein G(q) subunit	0.66	0.09	0.72	0.14	1.07	0.76	0.88	0.53
62414289	vimentin [Homo sapiens]	0.66	0.00	0.78	0.00	0.59	0.00	0.44	0.00
4.07E+08	lisH domain-containing protein ARMC9 isoform	0.66	0.40	0.53	0.19	0.44	0.08	0.37	0.17
59710104	plexin-A3 precursor [Homo sapiens]	0.66		0.93		0.91		0.01	
1.17E+08	glycine--tRNA ligase precursor [Homo sapiens]	0.66	0.00	0.73	0.00	1.04	0.24	0.61	0.00
75709208	cytosolic acyl coenzyme A thioester hydrolase i	0.66	0.00	0.76	0.04	0.92	0.73	0.54	0.08
2.96E+08	asparagine synthetase [glutamine-hydrolyzing] i	0.66	0.00	1.11	0.06	1.13	0.03	0.38	0.00
3.66E+08	E3 ubiquitin-protein ligase RNF213 isoform 3 [H	0.66	0.15	0.58	0.11	0.59	0.12	1.10	0.52
20357552	src substrate cortactin isoform a [Homo sapiens]	0.66	0.00	0.65	0.00	0.97	0.42	0.77	0.00
2.26E+08	abhydrolase domain-containing protein 14B isof	0.66	0.03	0.58	0.09	0.59	0.10	0.74	0.21
56549111	optineurin [Homo sapiens]	0.66	0.03	0.66	0.04	1.04	0.69	0.71	0.05
48255957	plasma membrane calcium-transporting ATPase	0.66	0.00	0.84	0.05	0.98	0.80	1.01	0.92
94721241	isoleucine--tRNA ligase, cytoplasmic [Homo sa	0.66	0.00	0.73	0.00	0.87	0.00	0.71	0.00
51036603	guanine nucleotide-binding protein G(I)/G(S)/G(	0.66		0.54		0.85		0.78	

29725609	epidermal growth factor receptor isoform a precursor	0.65	0.10	0.62	0.13	0.43	0.16	0.94	0.56
51599151	calpain small subunit 1 [Homo sapiens]	0.65	0.00	0.61	0.00	0.98	0.74	0.68	0.06
9845516	protein S100-A4 [Homo sapiens]	0.65	0.36	0.36	0.14	0.51	0.10	0.63	0.50
4757886	pituitary tumor-transforming gene 1 protein-interacting protein 1	0.65		1.11		0.51		0.40	
3.02E+08	non-specific lipid-transfer protein isoform 8 precursor	0.65	0.00	0.70	0.00	1.05	0.35	0.57	0.20
41327741	protein ETHE1, mitochondrial [Homo sapiens]	0.65	0.01	0.60	0.01	0.83	0.05	0.75	0.03
1.58E+08	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing protein 1	0.65	0.31	0.55	0.19	0.88	0.69	0.42	0.14
1.93E+08	ubiquitin-like domain-containing CTD phosphatase 1	0.65	0.00	0.69	0.00	0.75	0.02	0.94	0.35
1.66E+08	PDZ and LIM domain protein 3 isoform b [Homo sapiens]	0.65	0.18	0.65	0.30	0.84	0.28	0.50	0.37
38570101	TBC1 domain family member 8B isoform a [Homo sapiens]	0.65		0.40		0.87		0.64	
4502281	sodium/potassium-transporting ATPase subunit alpha-1	0.65	0.27	0.73	0.24	0.69	0.10	0.59	0.13
7330335	chloride intracellular channel protein 4 [Homo sapiens]	0.64	0.00	0.59	0.00	0.82	0.01	0.51	0.00
4504517	heat shock protein beta-1 [Homo sapiens]	0.64	0.00	0.77	0.03	1.35	0.01	0.48	0.00
30578410	dolichyl-diphosphooligosaccharide--protein glycosyltransferase 1	0.64	0.00	0.69	0.00	0.97	0.77	0.92	0.37
1.49E+08	exocyst complex component 6B [Homo sapiens]	0.64	0.11	0.55	0.21	0.62	0.42	0.59	0.35
38045919	huntingtin-interacting protein 1 isoform 1 [Homo sapiens]	0.64		0.55		1.63		0.62	
4503349	deoxyribonuclease-2-alpha precursor [Homo sapiens]	0.64	0.04	0.69	0.02	0.69	0.01	0.78	0.04
4503049	cysteine-rich protein 2 isoform 1 [Homo sapiens]	0.64	0.15	0.86	0.40	0.88	0.46	0.47	0.09
2.91E+08	N-acetylserotonin O-methyltransferase-like protein 1	0.64		0.67		0.52		0.74	
4885373	histone H1.1 [Homo sapiens]	0.64	0.14	0.69	0.17	0.73	0.19	1.00	1.00
32483357	dehydrogenase/reductase SDR family member 1	0.64	0.18	0.61	0.20	0.71	0.18	0.60	0.15
4826898	profilin-1 [Homo sapiens]	0.64	0.00	0.56	0.00	0.93	0.23	0.61	0.00
12025678	alpha-actinin-4 [Homo sapiens]	0.64	0.00	0.64	0.00	0.95	0.07	0.52	0.00
33457348	UPF0556 protein C19orf10 precursor [Homo sapiens]	0.64	0.01	0.54	0.01	0.83	0.09	0.56	0.01
14150169	acyl-CoA-binding domain-containing protein 6 [Homo sapiens]	0.64	0.45	0.55	0.50	0.93	0.66	0.54	0.45
40807491	long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	0.64	0.07	0.53	0.13	0.65	0.43	1.13	0.27
4502601	carbonyl reductase [NADPH] 3 [Homo sapiens]	0.64		0.57		0.39		0.38	
4507185	sepiapterin reductase [Homo sapiens]	0.64	0.36	0.42	0.26	0.63	0.28	0.63	0.35
2.17E+08	prolyl 4-hydroxylase subunit alpha-1 isoform 3 precursor	0.64	0.23	0.74	0.20	1.37	0.51	0.87	0.38
10835242	cGMP-dependent protein kinase 1 isoform 2 [Homo sapiens]	0.63	0.15	0.63	0.15	0.47	0.09	0.33	0.06
24430132	WW domain-binding protein 2 [Homo sapiens]	0.63	0.08	0.79	0.19	0.66	0.04	0.49	0.03
7657146	heat shock protein beta-8 [Homo sapiens]	0.63		0.54		1.25		0.57	
3.45E+08	mammalian ependymin-related protein 1 isoform 1	0.63	0.01	0.52	0.00	0.36	0.00	0.43	0.00
39725636	transmembrane emp24 domain-containing protein 1	0.63	0.07	0.70	0.02	0.91	0.52	0.96	0.83
16751921	dermcidin preproprotein [Homo sapiens]	0.63		0.48		2.13		0.83	
66529407	tensin-1 [Homo sapiens]	0.63	0.00	0.67	0.00	0.82	0.03	0.50	0.00
1.12E+08	leiomodulin-1 [Homo sapiens]	0.63	0.09	0.70	0.07	1.52	0.04	0.49	0.02
59850762	uveal autoantigen with coiled-coil domains and a signal peptide	0.63	0.13	0.43	0.18	0.58	0.11	0.75	0.21
87159824	CD151 antigen [Homo sapiens]	0.63	0.00	0.52	0.00	0.98	0.87	0.56	0.38
1.1E+08	calpastatin isoform f [Homo sapiens]	0.62	0.00	0.63	0.00	0.86	0.08	0.72	0.02
5803023	vesicular integral-membrane protein VIP36 precursor	0.62	0.02	0.63	0.03	0.93	0.38	0.75	0.06
4502951	collagen alpha-1(III) chain preproprotein [Homo sapiens]	0.62	0.00	2.72	0.00	0.90	0.24	0.99	0.91
23308751	3-hydroxyisobutyrate dehydrogenase, mitochondrial	0.62	0.00	0.64	0.01	0.73	0.02	0.95	0.63
3.67E+08	myosin-10 isoform 2 [Homo sapiens]	0.62	0.00	0.75	0.00	0.68	0.00	0.70	0.00
94966754	elongation factor Tu GTP-binding domain-containing protein 1	0.62	0.10	0.63	0.08	0.62	0.06	0.68	0.14
52487191	endoplasmic reticulum resident protein 44 precursor	0.62	0.00	0.68	0.00	1.04	0.48	0.87	0.10
45827806	atlastin-3 [Homo sapiens]	0.62	0.00	0.59	0.00	0.87	0.02	0.69	0.02
18034692	choline transporter-like protein 1 [Homo sapiens]	0.62	0.13	0.81	0.29	0.69	0.17	0.61	0.13
24308400	calcium uniporter protein, mitochondrial isoform 1	0.61	0.03	0.58	0.02	1.00	1.00	0.73	0.15
4557555	endoglin isoform 2 precursor [Homo sapiens]	0.61		0.57		0.93		0.98	
77812678	inorganic pyrophosphatase 2, mitochondrial isoform 1	0.61	0.01	0.63	0.01	0.72	0.02	0.79	0.05
30026034	adenosine 3'-phospho 5'-phosphosulfate transferase	0.61	0.30	0.57	0.33	0.77	0.35	0.59	0.62
42734430	polymerase I and transcript release factor [Homo sapiens]	0.61	0.00	0.50	0.00	1.15	0.07	0.68	0.02
70780384	peptidase inhibitor 16 precursor [Homo sapiens]	0.61		0.51		0.62		0.63	
21361657	protein disulfide-isomerase A3 precursor [Homo sapiens]	0.61	0.00	0.70	0.00	0.95	0.13	0.88	0.01
6005995	clathrin light chain B isoform b [Homo sapiens]	0.61	0.00	0.60	0.00	0.96	0.50	0.94	0.53



66346721	phosphoenolpyruvate carboxykinase [GTP], mit	0.56	0.00	0.55	0.00	0.98	0.59	0.40	0.00
21361661	COMM domain-containing protein 4 [Homo sapi	0.56	0.12	0.52	0.12	0.72	0.93	0.76	0.94
22095397	cysteine-rich with EGF-like domain protein 1 iso	0.56	0.05	0.62	0.02	1.19	0.11	1.05	0.59
4503123	connective tissue growth factor precursor [Homo	0.56	0.11	1.34	0.11	0.96	0.65	0.42	0.23
4503635	prothrombin preproprotein [Homo sapiens]	0.56	0.11	0.71	0.19	0.71	0.19	0.38	0.39
4507677	endoplasmin precursor [Homo sapiens]	0.56	0.00	0.71	0.00	0.95	0.21	0.76	0.00
24233517	inhibitor of nuclear factor kappa-B kinase-intera	0.55	0.00	0.52	0.00	0.79	0.01	0.64	0.01
4.36E+08	inositol 1,4,5-trisphosphate receptor-interacting	0.55		0.71		0.56		0.47	
4826964	UV excision repair protein RAD23 homolog A iso	0.55	0.27	0.61	0.30	0.61	0.23	0.68	0.41
1.15E+08	receptor expression-enhancing protein 5 [Homo	0.55	0.01	0.58	0.01	0.91	0.48	0.55	0.04
1.9E+08	zinc transporter ZIP14 isoform b precursor [Horr	0.55	0.05	0.65	0.06	0.65	0.08	0.40	0.08
4504001	gap junction alpha-1 protein [Homo sapiens]	0.55	0.03	0.63	0.04	0.59	0.01	0.45	0.01
29171736	lipid phosphate phosphohydrolase 1 isoform 1 [I	0.54	0.18	0.55	0.14	0.38	0.09	0.51	0.39
2.52E+08	cytochrome c oxidase subunit II [Homo sapiens]	0.54	0.21	0.69	0.01	0.48	0.18	0.65	0.42
5902090	solute carrier family 2, facilitated glucose transp	0.54	0.10	0.76	0.22	1.35	0.20	0.37	0.07
18201905	glucose-6-phosphate isomerase isoform 2 [Horr	0.54	0.00	0.53	0.00	0.83	0.01	0.61	0.00
3.13E+08	calcium-transporting ATPase type 2C member 10	0.54	0.14	0.55	0.23	0.58	0.12	0.55	0.21
4758484	glutathione S-transferase omega-1 isoform 1 [H	0.54	0.00	0.47	0.00	0.72	0.00	0.57	0.00
6857802	ER lumen protein retaining receptor 3 isoform a	0.54	0.12	0.41	0.07	0.62	0.22	0.62	0.13
2.27E+08	triosephosphate isomerase isoform 2 [Homo sa	0.54	0.00	0.51	0.00	0.91	0.07	0.68	0.00
44917604	SLIT-ROBO Rho GTPase-activating protein 1 [F	0.54		0.88		0.58		0.87	
4505571	sequestosome-1 isoform 1 [Homo sapiens]	0.53	0.16	0.49	0.13	0.49	0.16	0.50	0.12
30089916	phosphofurin acidic cluster sorting protein 1 [Ho	0.53	0.02	0.58	0.02	0.87	0.28	0.62	0.04
19920317	cytoskeleton-associated protein 4 [Homo sapier	0.53	0.00	0.52	0.00	0.82	0.00	0.68	0.00
4502553	calcium/calmodulin-dependent protein kinase ty	0.53		0.59		0.50		0.54	
1.58E+08	kinesin-like protein KIF13A isoform d [Homo sa	0.53		0.44		0.48		0.52	
38016911	erythrocyte band 7 integral membrane protein is	0.53	0.01	0.50	0.01	0.44	0.02	0.76	0.04
3.95E+08	thiosulfate sulfurtransferase [Homo sapiens]	0.53	0.04	0.45	0.03	0.62	0.17	0.58	0.10
1.97E+08	actin filament-associated protein 1 isoform A [H	0.52	0.00	0.44	0.00	0.49	0.02	0.35	0.00
2.09E+08	poliovirus receptor isoform alpha precursor [Hor	0.52		0.57		1.21		0.47	
4758120	death-associated protein 1 [Homo sapiens]	0.52	0.12	0.60	0.17	1.38	0.20	0.75	0.63
4502171	adenine phosphoribosyltransferase isoform a [H	0.52	0.04	0.43	0.02	0.46	0.02	0.35	0.05
4758906	serpin B9 [Homo sapiens]	0.52	0.03	0.41	0.01	2.36	0.03	1.05	0.89
1.65E+08	endothelin-converting enzyme 1 isoform 3 [Hom	0.52	0.06	0.61	0.15	0.87	0.51	0.72	0.79
3.74E+08	PDZ and LIM domain protein 5 isoform a [Homo	0.51	0.00	0.62	0.00	0.92	0.10	0.48	0.00
24308454	protein FAM26E [Homo sapiens]	0.51		0.29		1.34		0.32	
50592994	thioredoxin isoform 1 [Homo sapiens]	0.51	0.00	0.55	0.00	0.66	0.00	0.46	0.01
2.24E+08	oligoribonuclease, mitochondrial precursor [Hon	0.51	0.09	0.48	0.09	0.79	0.26	0.48	0.09
4502105	annexin A4 [Homo sapiens]	0.51	0.00	0.44	0.00	0.78	0.00	0.45	0.00
3.5E+08	disabled homolog 2 isoform 2 [Homo sapiens]	0.51	0.00	0.56	0.01	0.87	0.09	0.77	0.17
38201706	sterile alpha motif domain-containing protein 9 [	0.50		0.36		0.67		0.55	
72534712	endoplasmic reticulum-Golgi intermediate comp	0.50	0.00	0.54	0.00	0.67	0.02	0.56	0.01
19913412	major vault protein [Homo sapiens]	0.50	0.00	0.42	0.00	0.94	0.07	0.56	0.00
4505463	contactin-associated protein 1 precursor [Homo	0.50	0.00	0.58	0.00	0.58	0.00	1.24	0.02
51100974	unconventional myosin-1d [Homo sapiens]	0.50	0.11	0.48	0.18	0.37	0.21	0.46	0.09
87159836	four and a half LIM domains protein 2 [Homo sa	0.50	0.00	0.29	0.00	1.65	0.00	0.28	0.00
7705855	estradiol 17-beta-dehydrogenase 12 [Homo sap	0.50	0.00	0.44	0.00	0.79	0.06	0.51	0.01
48255937	CD44 antigen isoform 2 precursor [Homo sapier	0.49	0.00	0.48	0.01	0.85	0.03	0.37	0.01
48255907	transgelin [Homo sapiens]	0.49	0.00	0.69	0.00	1.21	0.00	0.25	0.00
4502599	carbonyl reductase [NADPH] 1 [Homo sapiens]	0.49	0.03	0.43	0.00	0.19	0.00	0.41	0.01
1.67E+08	intercellular adhesion molecule 1 precursor [Hor	0.49	0.00	0.36	0.01	1.65	0.04	0.58	0.01
6005709	PALM2-AKAP2 protein isoform 1 [Homo sapiens	0.48	0.00	0.55	0.00	0.98	0.83	0.44	0.00
33946329	ras-related protein Ral-A precursor [Homo sapie	0.48	0.00	0.48	0.01	0.69	0.00	0.56	0.24
7549809	plastin-3 isoform 1 [Homo sapiens]	0.48	0.00	0.57	0.00	0.69	0.00	0.44	0.00
21314671	transient receptor potential cation channel subf	0.48		0.72		0.72		0.78	
11321601	6-phosphofructokinase type C isoform 1 [Homo	0.48	0.00	0.43	0.00	0.90	0.01	0.39	0.00



4759112	monocarboxylate transporter 4 [Homo sapiens]	0.37	0.07	0.21	0.04	1.21	0.31	0.23	0.04
4759164	testican-1 precursor [Homo sapiens]	0.36		0.35		0.24		0.24	
62912492	bifunctional 3'-phosphoadenosine 5'-phosphosu	0.36	0.00	0.30	0.00	0.43	0.00	0.35	0.00
1.16E+08	autophagy-related protein 9A [Homo sapiens]	0.36	0.38	0.39	0.38	1.05	0.72	0.22	0.22
19923236	nuclear autoantigen Sp-100 isoform 2 [Homo sa	0.35	0.18	0.24	0.25	0.55	0.11	0.38	0.22
4885617	estrogen sulfotransferase [Homo sapiens]	0.35	0.00	0.41	0.00	0.46	0.00	0.35	0.00
7669492	glyceraldehyde-3-phosphate dehydrogenase isc	0.34	0.00	0.35	0.00	0.80	0.03	0.34	0.00
4758086	cysteine and glycine-rich protein 1 isoform 1 [Hc	0.34	0.00	0.36	0.00	0.46	0.00	0.24	0.00
26051231	serine beta-lactamase-like protein LACTB, mito	0.34	0.21	0.25	0.21	0.61	0.13	0.32	0.31
2.22E+08	serine/threonine-protein kinase Nek9 [Homo sa	0.34		0.31		0.53		0.39	
19424132	serine/threonine-protein kinase Nek7 [Homo sa	0.34	0.18	0.28	0.16	0.34	0.11	0.31	0.17
33636742	procollagen-lysine,2-oxoglutarate 5-dioxygenas	0.34	0.00	0.22	0.00	0.63	0.00	0.38	0.00
7706387	carboxypeptidase Q precursor [Homo sapiens]	0.34		0.26		0.62		0.17	
52630342	HLA class I histocompatibility antigen, Cw-1 alp	0.34		0.26		0.16		0.40	
67190748	complement C4-A isoform 1 preproprotein [Horr	0.33	0.06	0.54	0.03	0.34	0.08	0.40	0.18
4503057	alpha-crystallin B chain [Homo sapiens]	0.33	0.07	0.40	0.01	0.31	0.02	0.27	0.03
16933567	ras-related protein Rab-8A [Homo sapiens]	0.32		0.35		0.42		0.32	
1.89E+08	1,4-alpha-glucan-branching enzyme [Homo sap	0.31	0.00	0.32	0.00	0.50	0.00	0.30	0.00
4.03E+08	sulfide:quinone oxidoreductase, mitochondrial [f	0.31	0.05	0.20	0.04	0.33	0.09	0.58	0.12
4557014	catalase [Homo sapiens]	0.30		0.36		0.40		0.57	
5031977	nicotinamide phosphoribosyltransferase precurs	0.30	0.00	0.38	0.00	0.39	0.00	0.26	0.00
4506381	ras-related C3 botulinum toxin substrate 2 [Hom	0.30	0.01	0.34	0.02	0.69	0.01	0.37	0.02
1.57E+08	purine nucleoside phosphorylase [Homo sapien	0.30	0.00	0.26	0.00	0.32	0.00	0.26	0.00
13489087	leukocyte elastase inhibitor [Homo sapiens]	0.29		0.16		0.28		0.32	
39932589	rho GTPase-activating protein 18 [Homo sapien	0.29	0.06	0.28	0.09	0.41	0.08	0.26	0.25
30410805	CUB domain-containing protein 1 isoform 1 prec	0.29	0.32	0.31	0.48	0.21	0.09	0.90	0.98
13699859	prostacyclin synthase precursor [Homo sapiens	0.29	0.00	0.27	0.00	0.27	0.01	0.41	0.00
2.24E+08	overexpressed in colon carcinoma 1 protein [Ho	0.28		0.71		1.08		0.20	
39777597	protein-glutamine gamma-glutamyltransferase 2	0.27	0.00	0.25	0.00	0.94	0.08	0.23	0.00
1.89E+08	transferrin receptor protein 1 [Homo sapiens]	0.26	0.00	0.37	0.00	0.35	0.00	0.23	0.00
10835159	plasminogen activator inhibitor 1 isoform 1 prec	0.25	0.00	0.36	0.00	0.66	0.00	0.27	0.01
42761474	CD59 glycoprotein preproprotein [Homo sapiens	0.25		0.23		0.50		0.18	
4505467	5'-nucleotidase isoform 1 preproprotein [Homo	0.24	0.00	0.18	0.00	0.23	0.00	0.16	0.00
4504619	insulin-like growth factor-binding protein 7 isof	0.24	0.00	0.38	0.00	0.37	0.00	0.22	0.00
2.6E+08	L-lactate dehydrogenase A chain isoform 3 [Hor	0.24	0.00	0.25	0.00	0.54	0.00	0.21	0.00
15553127	hexokinase-2 [Homo sapiens]	0.24		0.49		0.56		0.13	
2.12E+08	acyl-CoA dehydrogenase family member 10 iso	0.23		0.33		0.33		0.23	
2.24E+08	tropomyosin alpha-4 chain isoform 1 [Homo sap	0.23	0.00	0.50	0.00	0.28	0.00	0.18	0.00
28144897	adenylate kinase isoenzyme 5 isoform 1 [Homo	0.22		0.45		0.18		0.16	
1.16E+08	integrin alpha-2 precursor [Homo sapiens]	0.22	0.00	0.23	0.00	0.36	0.00	0.25	0.00
18104967	prostaglandin G/H synthase 1 isoform 1 precurs	0.22	0.00	0.25	0.00	0.19	0.00	0.20	0.00
38638698	protein KIAA1199 precursor [Homo sapiens]	0.21	0.01	0.18	0.01	0.18	0.01	0.22	0.01
1.53E+08	fibroblast growth factor 2 [Homo sapiens]	0.19	0.15	0.21	0.21	0.25	0.20	0.24	0.47
5453543	aldo-keto reductase family 1 member C1 [Homc	0.18	0.24	0.14	0.29	0.16	0.19	0.37	0.56
41152076	coiled-coil domain-containing protein 80 precurs	0.18	0.00	0.15	0.01	0.67	0.04	0.23	0.00
7662330	actin-binding LIM protein 3 [Homo sapiens]	0.16	0.12	0.17	0.19	1.46	0.18	0.18	0.05
21389433	heat shock protein beta-6 [Homo sapiens]	0.16	0.12	0.25	0.04	0.15	0.10	0.14	0.47
68051721	neutral cholesterol ester hydrolase 1 isoform b [	0.16	0.00	0.15	0.01	0.20	0.01	0.15	0.01
52694752	transmembrane glycoprotein NMB isoform a pre	0.15	0.04	0.18	0.04	0.12	0.18	0.23	0.05
1.57E+08	aminopeptidase N precursor [Homo sapiens]	0.14	0.00	0.12	0.00	0.14	0.00	0.16	0.00
7657532	protein S100-A6 [Homo sapiens]	0.14	0.03	0.15	0.04	0.30	0.03	0.15	0.06
67782307	superoxide dismutase [Mn], mitochondrial isofor	0.13	0.00	0.12	0.00	0.16	0.00	0.16	0.00
1.53E+08	gamma-glutamyltransferase 5 isoform c [Homo	0.12		0.13		0.11		0.33	
4885381	histone H1.5 [Homo sapiens]	0.12		0.14		0.19		0.16	
1.68E+08	ADP-ribosyl cyclase 2 precursor [Homo sapiens	0.09	0.07	0.06	0.05	0.15	0.10	0.05	0.04

## Online Table II. The Differentiated Protein Function and Signal Transduction Analysis with Ingenuity Pathway Analysis

The differentiated proteins in common among the four cell lines were analyzed with Ingenuity Pathway Analysis program and signal transduction and cell function result listed below (2018, March).

Top Canonical Pathways		
Name	p-value	Overlap
EIF2 Signaling	1.62E-57	64.6 % 137/212
Regulation of eIF4 and p70S6K Signaling	1.06E-37	61.7 % 95/154
Protein Ubiquitination Pathway	2.76E-25	42.8 % 113/264
mTOR Signaling	8.51E-25	47.2 % 93/197
Mitochondrial Dysfunction	4.60E-21	47.3 % 78/165

Top Upstream Regulators		
Upstream Regulator	p-value of overlap	Predicted Activation
CST5	8.48E-46	Inhibited
MMP12	1.24E-28	
LONP1	6.29E-26	
mir-122	5.53E-22	
PLA2R1	3.17E-20	Inhibited

Top Diseases and Bio Functions		
Diseases and Disorders		
Name	p-value	#Molecules
Infectious Diseases	1.02E-04 - 1.13E-49	581
Metabolic Disease	4.85E-05 - 1.97E-24	431
Hereditary Disorder	9.26E-05 - 3.78E-20	818
Organismal Injury and Abnormalities	9.87E-05 - 3.78E-20	2991
Skeletal and Muscular Disorders	4.85E-05 - 3.78E-20	644

### Molecular and Cellular Functions

Name	p-value	#Molecules
Protein Synthesis	6.12E-05 - 4.28E-50	489
RNA Post-Transcriptional Modification	6.00E-05 - 2.34E-49	166
Gene Expression	3.51E-05 - 1.15E-34	434
Cell Death and Survival	8.43E-05 - 1.32E-33	865
Cellular Assembly and Organization	8.42E-05 - 2.57E-27	502

### Physiological System Development and Function

Name	p-value	#Molecules
Organismal Development	4.14E-06 - 2.09E-13	195
Organismal Survival	7.72E-11 - 7.72E-11	149
Tissue Development	8.33E-05 - 1.26E-10	173
Connective Tissue Development and Function	8.33E-05 - 4.02E-07	115
Skeletal and Muscular System Development and Function	4.02E-07 - 4.02E-07	39

### Top Tox Functions

#### Assays: Clinical Chemistry and Hematology

Name	p-value	#Molecules
Decreased Levels of Albumin	4.08E-01 - 2.58E-02	3
Increased Levels of Albumin	1.61E-01 - 5.65E-02	3

#### Cardiotoxicity

Name	p-value	#Molecules
Cardiac Hyperplasia/Hyperproliferation	1.61E-01 - 5.53E-04	5
Cardiac Damage	2.95E-01 - 8.51E-04	16
Cardiac Dilation	5.03E-01 - 1.60E-03	47
Cardiac Arrhythmia	1.00E00 - 2.30E-02	39

**Online Table III: Protein profile of MFLC secretome**

Proteins were processed as described in method and the protein identified with two and more unique peptides 99% or more confidence.

	EC-	SMC-	PC-	FB-
cytokine and growth factors				
DKK3	X	X		X
MIF	X	X	X	X
SCG2	X	X	X	X
TIMP1	X	X	X	X
AGT	X			
CTGF	X	X	X	X
GDF15		X		X
GDF7	X	X		X
GRN	X	X	X	X
IGF2	X	X	X	X
INHBA		X		X
LEFTY2		X		X
LTBP4	X		X	
MDK	X		X	
NOV	X			
OGN	X	X	X	X
PDGFC		X		X
PDGFD	X			
PTN	X	X		X
TYMP	X		X	
other extracellular proteins				
A2M		X		X
ADAMTS12		X		X
AHSG		X		X
AMY1C (includes others)	X		X	
AMY2A	X		X	
AMY2B	X		X	
CREG2	X		X	
EFEMP1	X	X	X	X
FN1		X		X
GPI		X		X
HSPG2		X		X
LOX	X	X	X	X
LOXL1	X	X	X	X
LOXL2		X		X
LYZ	X	X	X	X
PLTP	X		X	
PXDN	X		X	
SERPINC1	X	X	X	X
APCS				
BGN	X	X	X	X
BPIFB1	X			
C1QL2		X		X
C4A/C4B	X			
COL10A1	X	X	X	X



COL11A2	X	X	X	X
COL12A1	X	X	X	X
COL14A1	X		X	
COL16A1	X	X	X	X
COL17A1	X			
COL18A1	X	X	X	X
COL19A1	X	X	X	X
COL1A1	X	X	X	X
COL1A2	X	X	X	X
COL21A1	X	X	X	X
COL22A1	X	X	X	X
COL24A1	X		X	
COL26A1	X		X	
COL27A1	X	X	X	X
COL28A1	X		X	
COL2A1	X	X	X	X
COL3A1	X	X	X	X
COL4A2	X	X	X	X
COL4A3	X	X	X	X
COL4A4	X	X	X	X
COL4A5	X	X	X	X
COL4A6	X		X	
COL5A1	X	X	X	X
COL5A2	X	X	X	X
COL5A3	X	X	X	X
COL6A1	X	X	X	X
COL6A2	X	X	X	X
COL6A3	X		X	
COL6A6	X			
COL7A1	X	X	X	X
COL8A1	X	X	X	X
COL9A2	X		X	
COL9A3	X	X	X	X
CST3	X	X	X	X
DCD	X	X	X	X
DCN	X	X	X	X
DHX57		X		X
DLK1	X		X	
DNAH6	X		X	
EDIL3		X		X
EFEMP2		X		X
ELN	X	X	X	X
EMID1		X		X
EMILIN1	X		X	
FBLN1	X	X		X
FBLN2	X	X	X	X
FBLN5	X	X	X	X
FBN1	X	X	X	X
FBN2	X	X	X	X
FGB	X		X	
FGG	X		X	
FRY		X		X

FRZB	X	X	X	X
FSTL1	X	X	X	X
FSTL3	X			
HAPLN1		X		X
HMCN1		X		X
IGFBP2	X	X	X	X
IGFBP3	X	X	X	X
IGFBP4	X	X	X	X
IGFBP5	X	X	X	X
IGFBP6	X			
INS	X	X	X	X
ISLR	X		X	
ITIH2		X		X
KIAA0100	X		X	
KRT33B	X		X	
KRT73	X	X	X	X
KRT79	X	X	X	X
LAMA5	X		X	
LGALS1	X	X	X	X
LOXHD1	X		X	
LRP4		X		X
LTBP1	X		X	
LTBP2		X		X
LTF	X	X	X	X
LUM	X	X	X	X
MATN2	X			
MEGF8	X			
MFAP2	X		X	
MXRA5		X		X
MYH15		X		X
NPHP3		X		X
NPY	X		X	
PCOLCE	X	X	X	X
PCSK1N	X	X	X	X
PDZD8		X		X
PLBD2		X		X
PLEKHG1	X		X	
POSTN	X	X	X	X
POTEE/POTEF	X	X	X	X
POTEJ	X	X	X	X
PRR12	X			
PRR4	X			
PSAP	X	X		X
PTX3		X		X
QRICH2		X		X
SCAF1	X			
SCRG1	X		X	
SERPINA10		X		X
SERPINA3		X		X
SERPINA4	X	X	X	X
SERPINE1	X	X	X	X
SERPINE2	X	X		X

SERPINF1	X	X	X	X
SERPINF2	X	X		X
SERPING1	X	X	X	X
SERPINH1	X	X	X	X
SERPINI1	X		X	
SERPINI2		X		X
SLIT3	X		X	
SLITRK4		X		X
SMTN		X		X
SOGA1		X		X
SPARC	X	X	X	X
SPARCL1	X		X	
SPOCK1		X		X
SPOCK2	X		X	
SPOCK3		X		X
TGFBI	X	X	X	X
THBS1	X	X	X	X
THBS2		X		X
TIMP2	X	X	X	X
TNC	X		X	
TSKU	X			
VCAN	X	X		X
ZFHX4		X		X
ZSWIM5		X		X
C2	X			
CPA4		X		X
CPB1	X		X	
F2		X		X
HTRA1	X	X	X	X
MMP2	X	X	X	X
PIP	X		X	
PRSS2	X	X	X	X
PRSS3		X		X
PRSS35	X		X	
APOA4	X			
APOC3	X	X	X	X
APOE	X	X	X	X
ECM1	X	X		X
GC	X	X	X	X
IGFBP7	X	X	X	X
RBP4	X	X	X	X
SERPINA7		X		X
TF	X	X	X	X
TTR	X	X	X	X

## Online Table IV. Antibody list

### First Antibody

<b>Isotype/Manufacturer/Catalog</b>	<b>Concentration</b>	
CD31	Rabbit IgG/Abcam/ab28364	1:100
CD31	Mouse IgG/BD Biosciences/555445	1:50
CD144	Rabbit IgG/Sigma-Aldrich/V-1514	1:100
VWF	Rabbit IgG/Abcam/ab6994	1:100
$\alpha$ SMA	Mouse IgG/Sigma-Aldrich/C6198	1:100
$\alpha$ SMA	Mouse IgG/Sigma-Aldrich/A2547	1:1000
MYH11	Rabbit IgG/Abcam/ ab53219	1:100
Calponin1	Rabbit IgG/Millipore/ABT129	1:100
Calponin1	Mouse IgG/Novus/NBP2-52445	1:100
Calponin1	Sheep IgG/R&D Systems/AF7900	1:100
PDI	Mouse IgG/R&D Systems/MAB4236	1:100
DDR2	Mouse IgG/Abcam/ab63337	1:100
SHOX2	Mouse IgG/Abcam/ab55740	1:100
TE7	Mouse IgG/Millipore/CBL271	1:100
PDGFR $\alpha$	Goat IgG/R&D Systems/AF-307-NA	1:100
TCF21	Rabbit IgG/Abcam/ab32981	1:100
CD44	Mouse IgG/R&D Systems/BBA10	1:100
NG2	Goat IgG/R&D Systems/AF2585	1:100
NG2	Rabbit IgG/Abcam/ab183929	1:100
CD146	Rabbit IgG/Sigma-Aldrich/SAB5600062	1:100
Vimentin	Rabbit IgG/Abcam/ ab92547	1:500
Vimentin	Goat IgG/R&D Systems/AF2105	1:100
Col1 $\alpha$ 1	Rabbit IgG/Novus/NB600-408	1:100
AOC3	Mouse IgG/Abcam/ab81718	1:100
Ki67	Rabbit IgG/Abcam/ab16667	1:100
Snail 1	Mouse IgG/LSBio/LS-C169298	1:200
mTOR	Mouse IgG/Abcam/ab87540	1:500
Smad3	Rabbit IgG/Abcam/ab40854	1:1000
p-Smad3	Rabbit IgG/Abcam/ab52903	1:1000
$\beta$ -actin	Rabbit IgG/Abcam/ab8227	1:2000
cTnI	Rabbit IgG/Abcam/ab47003	1:100
Con43	Mouse IgG/Millipore/MAB3068	1:100
GAPDH	Mouse IgG/Sigma-Aldrich/G9295	1:5000

## **Second Antibody**

<b>Isotype/Manufacturer/Catalog</b>	<b>Concentration</b>
FITC Donkey Anti-mouse IgG/Jackson Lab/703-099-155	1:100
FITC Donkey Anti-rabbit IgG/Jackson Lab/711-095-152	1:100
FITC Donkey Anti-goat IgG/Jackson Lab/705-095-147	1:100
TRITC Donkey Anti-mouse IgG/Jackson Lab/712-025-150	1:100
TRITC Donkey Anti-rabbit IgG/Jackson Lab/711-026-152	1:100
TRITC Donkey Anti-goat IgG/Jackson Lab/705-025-147	1:100
Alexa-Fluor647 Donkey Anti-mouse IgG/Jackson Lab/715-495-140	1:100
Alexa-Fluor647 Donkey Anti-rabbit IgG/Jackson Lab/711-605-152	1:100
Alexa-Fluor647 Donkey Anti-goat IgG/Jackson Lab/711-605-147	1:100
HRP-Goat Anti-mouse IgG/Sigma-Aldrich/A4416	1:3000
HRP-Goat Anti-rabbit IgG/Sigma-Aldrich/A5420	1:3000