

## Supporting Information

### **Chemoproteomics Reveals the Anti-proliferative Potential of Parkinson's Disease Kinase Inhibitor LRRK2-IN-1 by Targeting PCNA Protein**

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## 1. Chemistry

### Materials

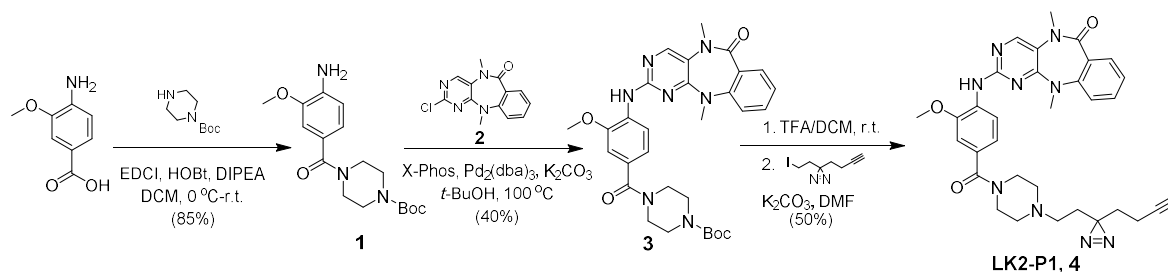
All the reagents were purchased commercially and used without further purification. Anhydrous dimethyl formamide (DMF) and anhydrous dichloromethane (DCM) were distilled from calcium hydride. Brine refers to a saturated solution of sodium chloride in distilled water.

Reactions were monitored by thin-layer chromatography (TLC) carried out on 0.25 mm Huanghai silica gel plates (HSGF254) using UV light as visualizing agent. Flash column chromatography was carried out using Yantai Xinnuo silica. LRRK2-IN-1 was obtained from MedChemExpress (HY-10875).

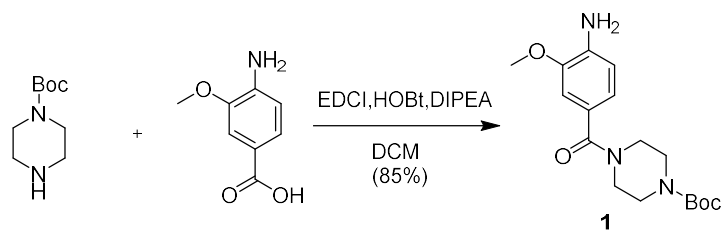
$^1\text{H}$ -NMR and  $^{13}\text{C}$ -NMR spectra were recorded on a Bruker Advance III 500 ( $^1\text{H}$ : 500 MHz,  $^{13}\text{C}$ : 125 MHz) with chemical shift values in ppm relative to TMS ( $\delta_{\text{H}}$  0.00 and  $\delta_{\text{C}}$  0.00), residual D-chloroform ( $\delta_{\text{H}}$  7.26 and  $\delta_{\text{C}}$  77.16) as standard. HR-MS were obtained on a Waters Acquity UPLC tandem with a Q-Exactive mass spectrometer (Thermo Scientific). Chromatographic separation was carried out at 30 °C on a Waters Acquity UPLC BEH C18 column (1.7  $\mu\text{m}$ , 50 mm  $\times$  2.1 mm, 130 Å, Waters). Mobile phase A (0.1% formic acid in  $\text{H}_2\text{O}$ ) and mobile phase B (0.1% formic acid in acetonitrile) were used to establish a 21 min gradient elution, 16 min of 20–95% B, and 3 min of 95% B, 2 min of 95–20% B followed by re-equilibrating at 20% B for 2.5 min. The flow rate was 300  $\mu\text{L}/\text{min}$ .

Compounds 2, 2-(3-(but-3-yn-1-yl)-3H-diazirin-3-yl)ethan-1-amine, and 3-(but-3-yn-1-yl)-3-(2-iodoethyl)-3H-diazirine and Dead-Dayne were synthesized as previously described.<sup>1-3</sup>

### 1.1 Synthesis of photoaffinity probe LK2-P1 (5)



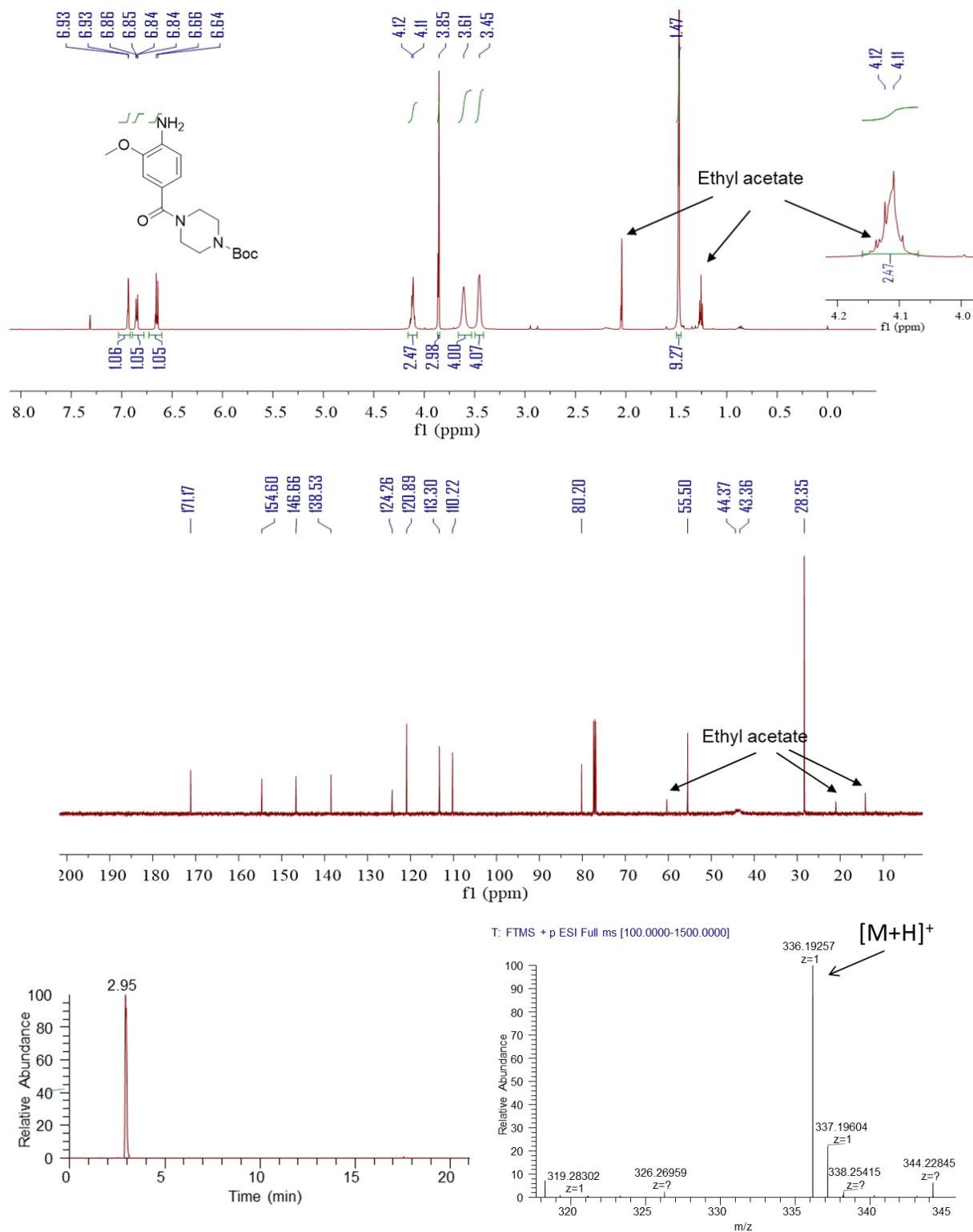
Scheme S1. Synthesis of LK2-P1.



***tert*-butyl 4-(4-amino-3-methoxybenzoyl)piperazine-1-carboxylate (1)** 4-amino-3-methoxy benzoic acid (100 mg, 0.6 mmol) was dissolved in anhydrous  $\text{CH}_2\text{Cl}_2$  (3.0 mL), and then 1-(3-dimethyl-aminopropyl)-3-ethylcarbodiimide hydrochloride (EDCI) (190 mg, 1 mmol), hydroxyl-benzotriazole (HOBt) (150 mg, 1 mmol), and *N,N*-diisopropyl-ethylamine (DIPEA) (280  $\mu\text{L}$ , 1.5 mmol) were added into the solution. After stirring for 1 hour, *tert*-butyl piperazine-1-carboxylate (150 mg, 0.8 mmol) was added to the reaction mixture followed by 8 hours at room temperature in the dark. The mixture was washed with saturated  $\text{Na}_2\text{CO}_3$ , 1N HCl and brine. The organic layer was dried over anhydrous  $\text{Na}_2\text{SO}_4$ , filtered and concentrated. The crude product was purified by silica-gel column chromatography to provide the desired product **1** (170 mg, 85 % yield).

$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ )  $\delta$  6.91 (s, 1H), 6.90 (dd,  $J = 8.0, 1.8$  Hz, 1H), 6.63 (d,  $J = 8.0$  Hz, 1H), 4.08 (br s, 2H), 3.83 (s, 3H), 3.58 (br s, 4H), 3.42 (br s, 3H), 1.45 (s, 9H).  $^{13}\text{C}$  NMR (125 MHz,  $\text{CDCl}_3$ )  $\delta$  171.17, 154.60, 146.66, 138.53, 124.26, 120.89, 113.30, 110.22, 80.20, 55.50, 44.37, 43.36, 28.35.

HRMS-ESI *calcd.* for  $\text{C}_{17}\text{H}_{26}\text{N}_3\text{O}_4$   $[\text{M}+\text{H}]^+$ : 336.19179; *Found*: 336.19257.



**Figure S1.** <sup>1</sup>H, <sup>13</sup>C NMR and HRMS analysis of 1.



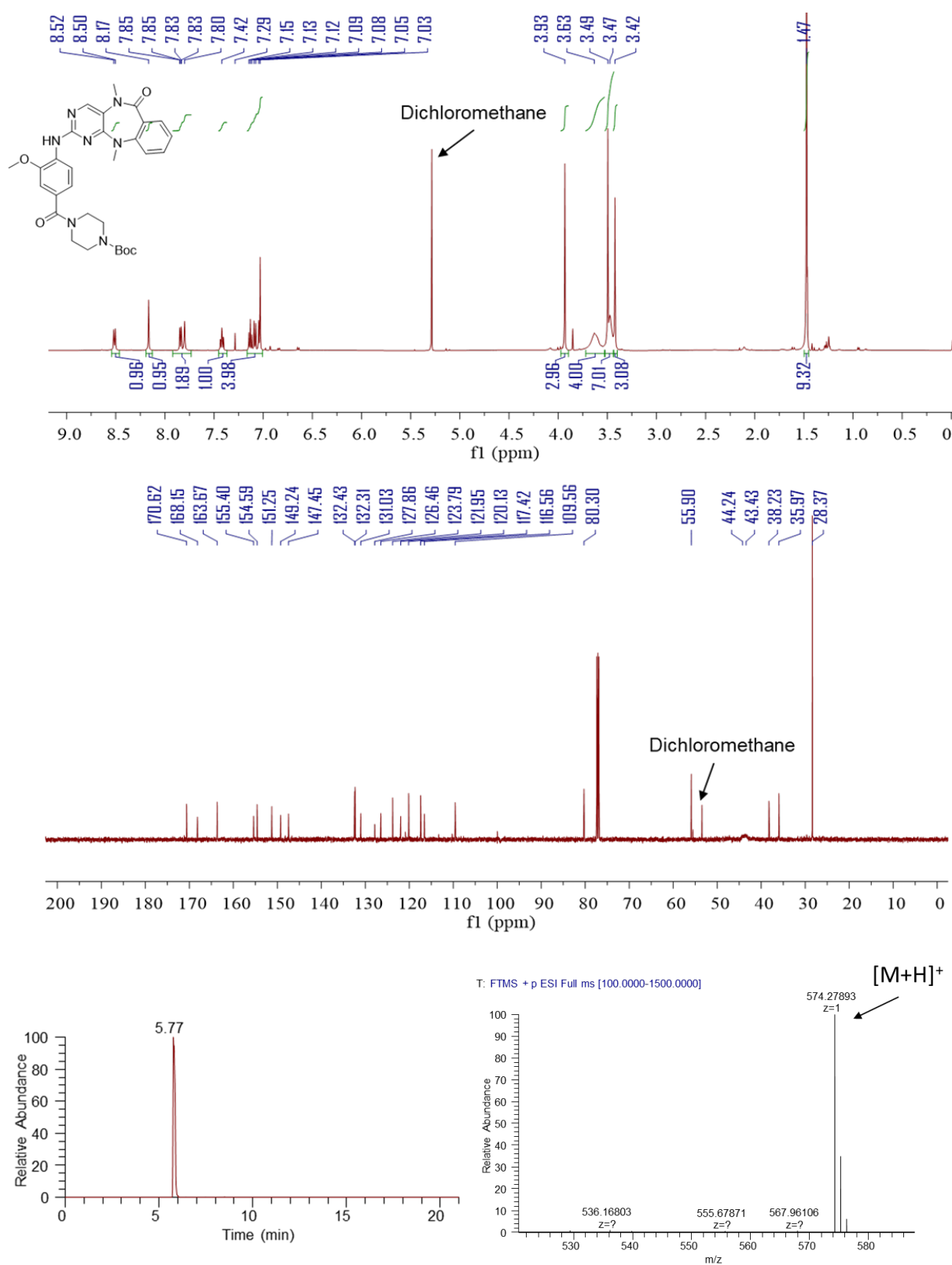
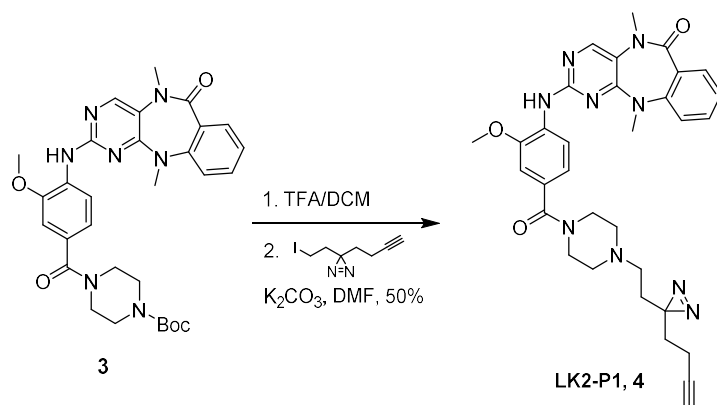


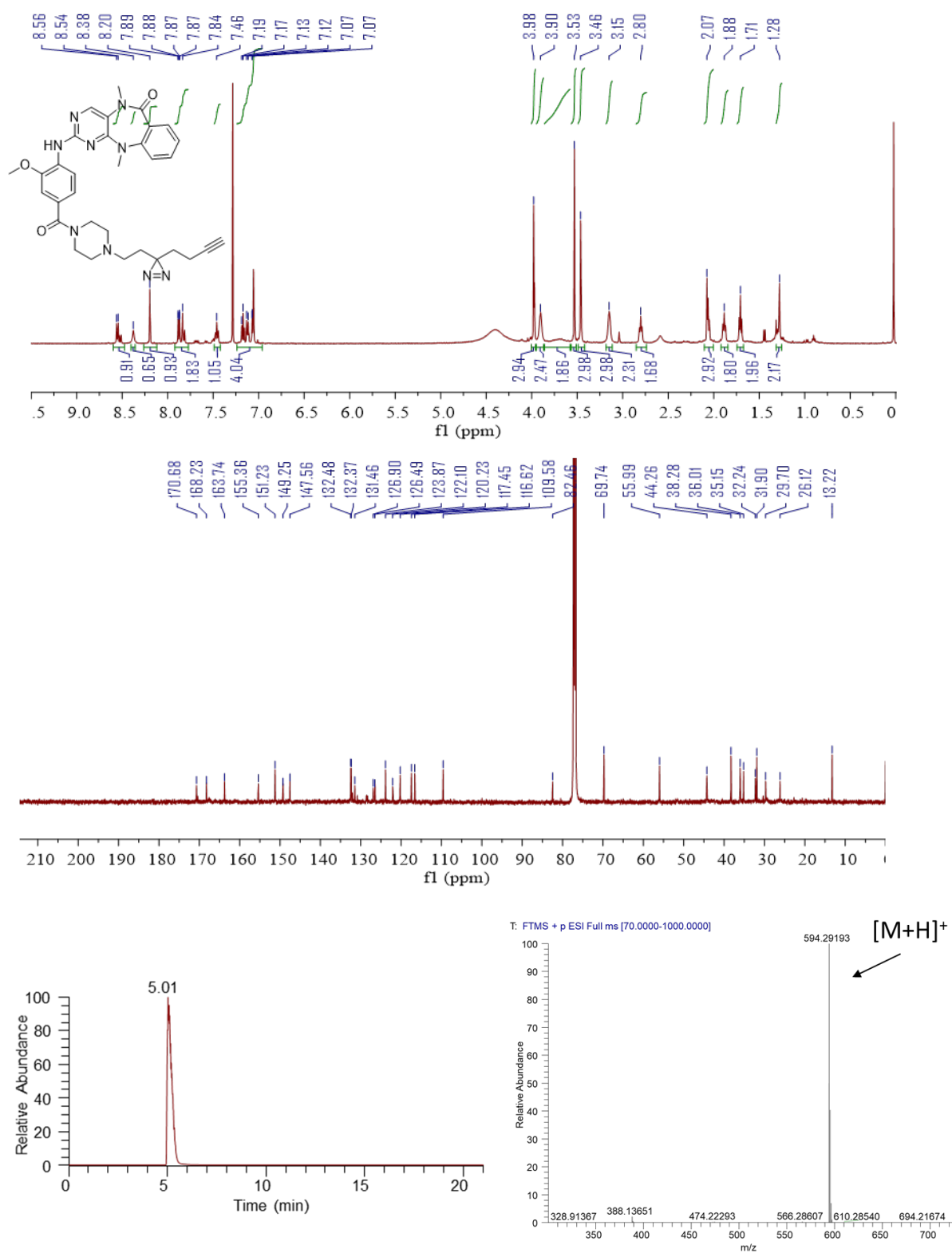
Figure S2.  $^1\text{H}$ ,  $^{13}\text{C}$  NMR and HRMS analysis of 3.



**LK2-P1 (4)** **3** (50 mg, 0.09 mmol) was dissolved in 1 mL DCM followed by adding 1 mL of TFA and the solution was stirred for 1 hour at room temperature. The solvent in the reaction mixture was discarded under vacuum. Then the crude product (30 mg) in DMF (1.0 mL) was directly used in next step. 3-(but-3-yn-1-yl)-3-(2-iodoethyl)-3H-diazirine (12 mg, 0.05 mmol), K<sub>2</sub>CO<sub>3</sub> (20 mg, 0.14 mmol) was added to the reaction, then the reaction was heated at 50 °C for overnight. The solvent was discarded under vacuum, the residue was purified by silica gel column chromatography (PE/EtOAc 25%-33%) to give LK2-P1 (4) (15 mg, 50% yield) as pale yellow powder.

<sup>1</sup>H NMR (500 MHz, CDCl<sub>3</sub>) δ 8.54 (d, *J* = 8.7 Hz, 1H), 8.20 (s, 1H), 7.87 (m, 2H), 7.46 (t, *J* = 1.4 Hz, 1H), 7.19-7.02 (m, 4H), 3.98 (s, 3H), 3.90 (br s, 2H), 3.65 (br s, 2H), 3.53 (s, 3H), 3.46 (s, 3H), 3.15 (br s, 2H), 2.80 (t, *J* = 7.6 Hz, 2H), 2.07 (m, 3H), 1.88 (t, *J* = 7.2 Hz, 2H), 1.71 (t, *J* = 7.2 Hz, 2H), 1.28 (m, 2H). <sup>13</sup>C NMR (125 MHz, CDCl<sub>3</sub>) δ 170.68, 168.23, 163.74, 155.36, 151.23, 149.25, 147.56, 132.48, 132.37, 131.46, 126.90, 126.49, 123.87, 122.10, 120.23, 117.45, 116.62, 109.58, 82.46, 69.74, 55.99, 44.26, 38.28, 36.01, 35.15, 32.24, 31.90, 29.70, 26.12, 13.22.

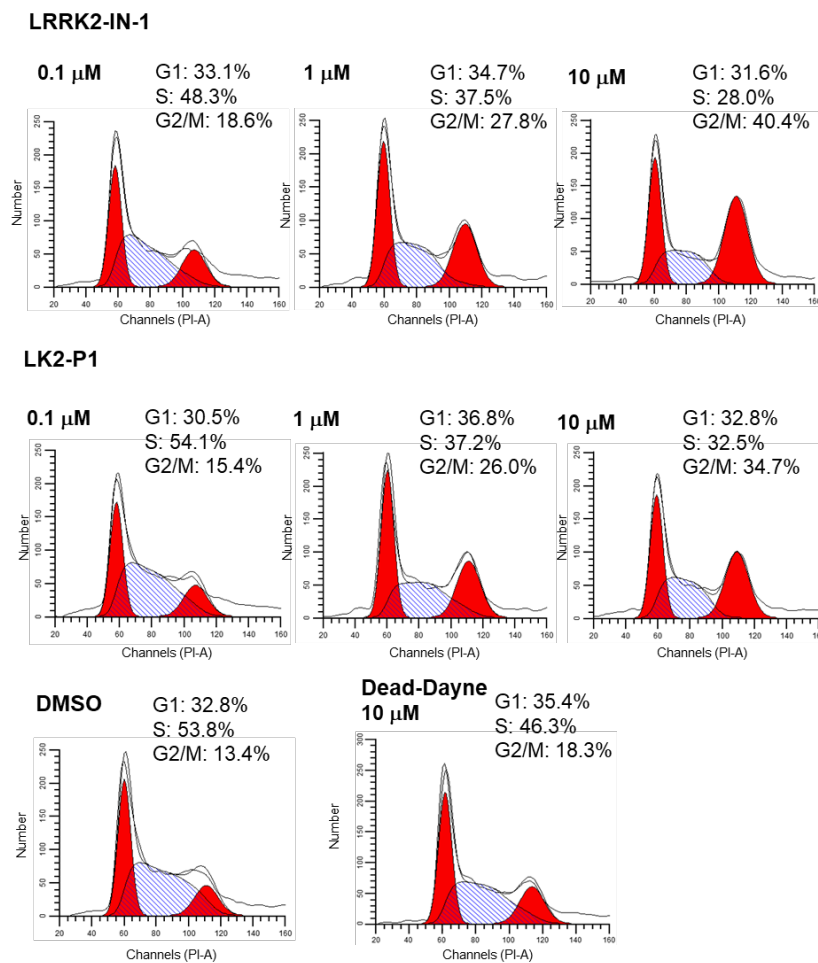
HRMS-ESI *calcd. for* C<sub>32</sub>H<sub>36</sub>N<sub>9</sub>O<sub>3</sub> [M+H]<sup>+</sup>: 594.29356; *Found*: 594.29193.



**Figure S3.** <sup>1</sup>H, <sup>13</sup>C NMR and HRMS analysis of LK2-P1.

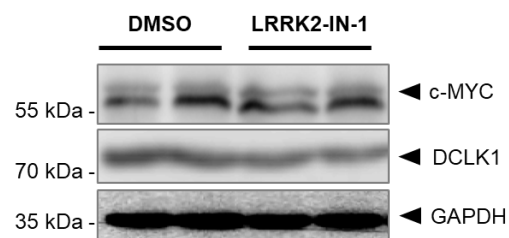
## 2. Biological experiments

### Flow cytometry



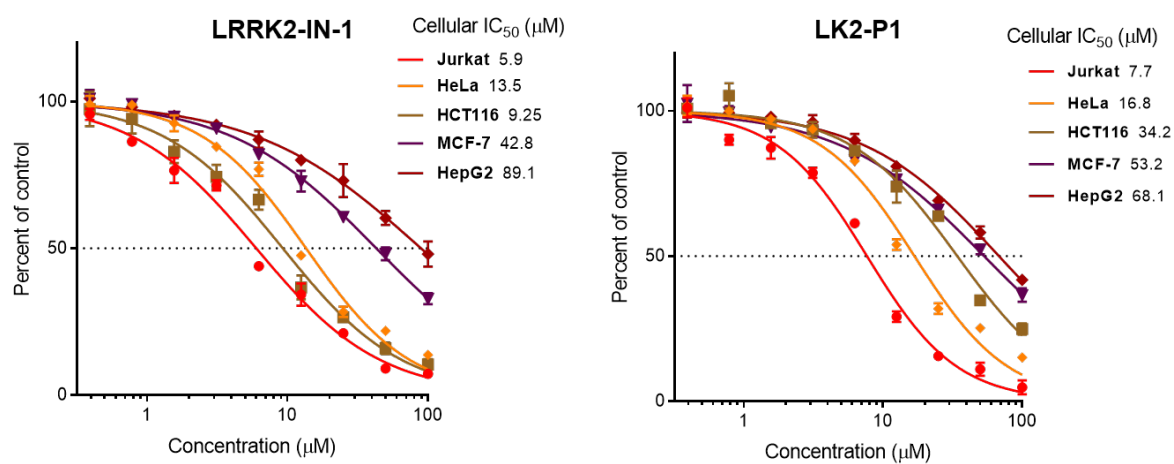
**Figure S4.** Cell cycle analysis of Jurkat cells with different concentrations of LRRK2-IN-1 and LK2-P1, together with DMSO and Dead-Dayne.

### Western blot analysis



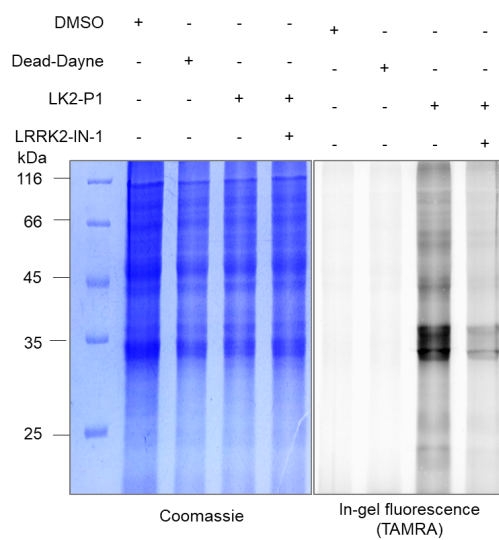
**Figure S5.** Western blot analysis the expression of c-Myc and DCLK1 treated with or without LRRK2-IN-1 in Jurkat cells.

## Cell proliferation assay



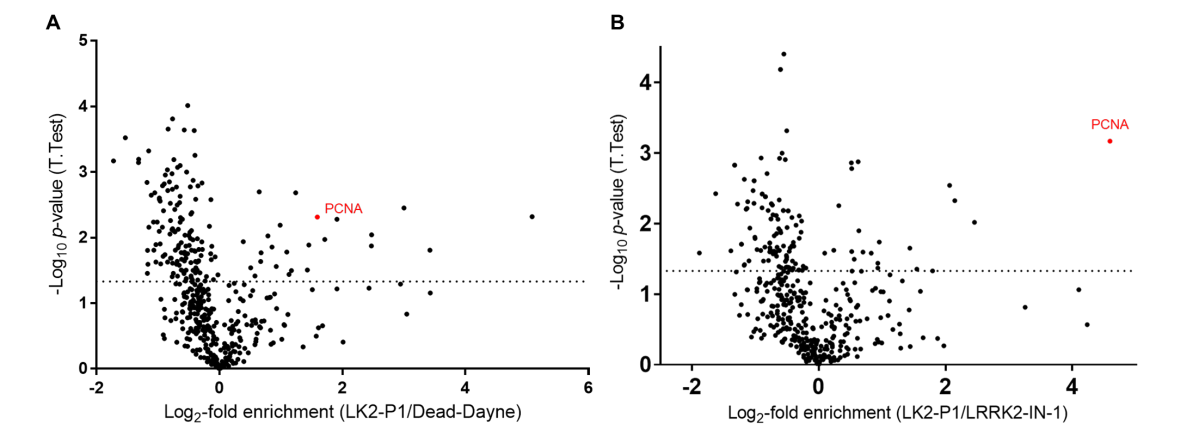
**Figure S6.** Cell proliferation assays of LRRK2-IN-1 and LK2-P1 against five cancer cell lines.

## Gel-based AfBPP in Jurkat cells



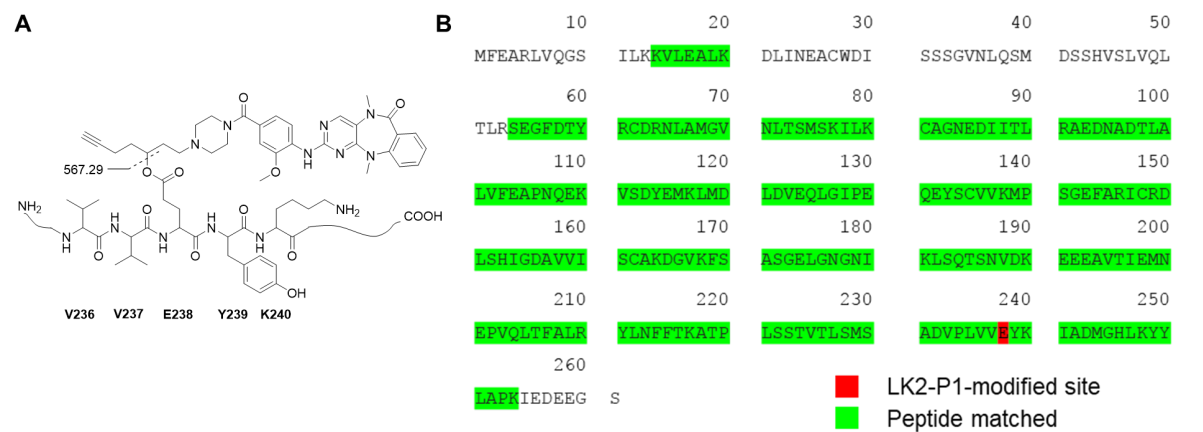
**Figure S7.** Full imaging of gels in Figure 3A.

Quantitative mass spectrometry-based profiling of LRRK2-IN-1 binding proteins in HeLa cells.



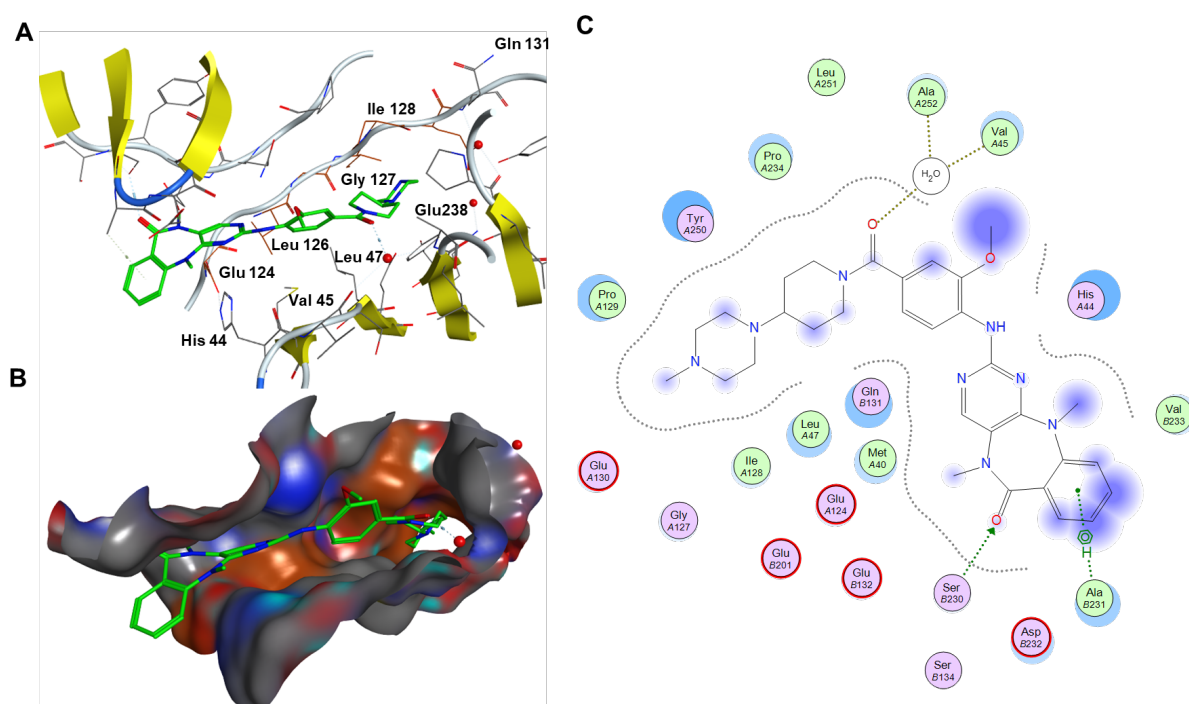
**Figure S8.** PCNA is outcompeted by Dead-Dayne (A) or LRRK2-IN-1 (B) (criteria:  $-\log_{10}(p\text{-value}) \geq 1.33$ ) in HeLa cell line.

Binding site identification



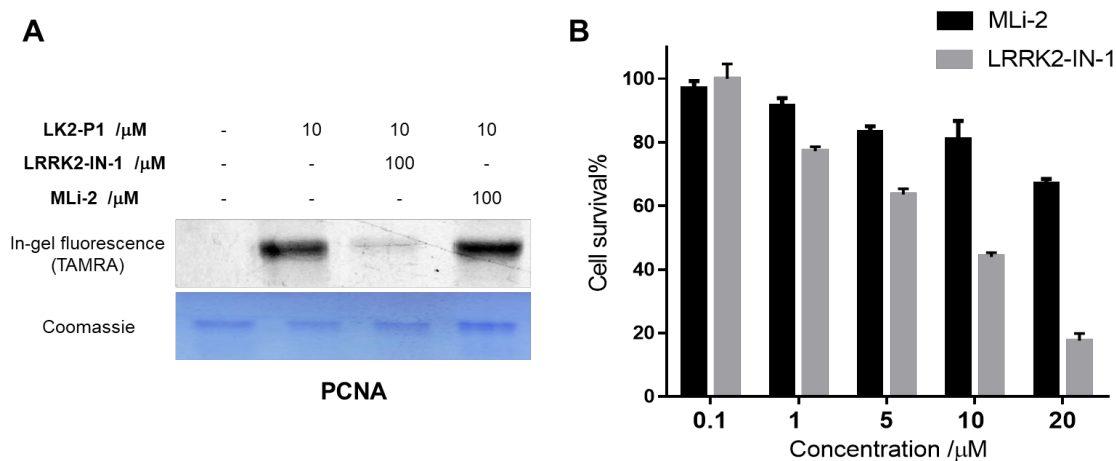
**Figure S9.** Modification site identification. (A) Possible model of LK-P1 modifying peptide. (B) Amino acid sequence of human PCNA. E238 was the possible probe-labeled residue.

## Molecular modeling



**Figure S10.** (A) secondary structure, (B) surface and (C) ligand interactions of LRRK2-IN-1 docked into PIP-box of hPCNA protein.

## Target validation



**Figure S11.** (A) Gel-based competitive labeling of recombinant PCNA by LK2-P1. (B) Cell proliferation assays of LRRK2-IN-1 and MLI-2 against Jurkat cell line.

### 3. Biological experimental details

#### Flow cytometry

Jurkat cells were treated with various concentrations of LRRK2-IN-1, LK2-P1 together with DMSO and Dead-Dayne for 24 hours, trypsinized, centrifuged at 4°C, washed and fixed in 70% ethanol on ice for 30 min. The cells were treated with RNase A (100 mg/L, RB0473-100, GeneMarkbio, Taiwan) for 30 min and resuspended in 500 µL of propidium iodide (50 mg/L, Sigma-Aldrich, St. Louis, MO, USA) for 5 min. Data was collected on FACS Calibur and analyzed in ModFit LT.

#### Western blot analysis.

Primary antibodies of human DCLK1 and c-Myc were ordered from Abcam. Jurkat cells were treated with DMSO or LRRK2-IN-1 (10 µM) for 24 hours, then trypsinized and lysed. Cell lysates were boiled in SDS-PAGE sample loading buffer for 15 min and separated by SDS-PAGE. Then the proteins were transferred onto PVDF membrane (Millipore) and the membrane was blocked with 3% (w/v) BSA in tris-buffered saline (TBS) for 2 hours at room temperature. After blocking, membranes were incubated with respective primary antibodies (*anti-DCLK1*, *anti-c-Myc* and *anti-GAPDH*) at room temperature for overnight. After washing with TBST (TBS containing 0.1% Tween-20) three times, blots were further incubated with the HRP-conjugated anti-rabbit (Sangon Biotech) secondary antibody for 1 hour at room temperature. After incubation, the blot was washed again with TBST three times and developed by enhanced ECL chemiluminescent substrate kit (Pierce).

#### Cell proliferation assay.

Human cervical carcinoma HeLa, colon cancer HCT116, breast cancer MCF-7, hepatocellular carcinoma HepG2, and acute T cell leukemia Jurkat cell lines were ordered from ATCC. HeLa, HCT116, MCF-7 and HepG2 cell lines were grown in DMEM (Dulbecco's Modified Eagle Medium, Gibco) supplemented with 1% L-Glutamine, 1% Penicillin-Streptomycin, and 10% Fetal Bovine Serum (FBS, Gibco). Jurkat cell lines were grown in RPMI medium 1640 (Roswell Park Memorial Institute 1640, Gibco) containing 1% L-Glutamine, 1% Penicillin-Streptomycin, and 10% FBS. The culture incubator set is 37 °C with 5% CO<sub>2</sub>. Cells cultured for three passages were diluted in respective culture medium to 5000 cells/mL. 100 µL of cell suspension were seeded to each well of 96-well plate and incubated at 37 °C for overnight. Various concentrations of compounds (LRRK2-IN-1, LK2-P1 and MLi-2) were dissolved in culture medium

containing 0.5% DMSO. Cells in 96-well plate were treated with 100  $\mu$ L of various concentrations of compounds and DMSO (negative control) for 36 hours in a 37 °C incubator. Cell viability was assessed by CellTiter-Glo® Luminescent Kit (Promega).

### **Microscopy.**

Jurkat cells were grown until 60% confluence. Cells were incubated respectively with probes or DMSO at 37 °C (for the enrichment experiment: the cells were treated with Dead-Dayne (10  $\mu$ M) or LK2-P1 (10  $\mu$ M), respectively for 3 hours; for the competitive experiment: the cells were treated with LRRK2-IN-1 (50  $\mu$ M) used for competition or DMSO together with LK2-P1 (10  $\mu$ M) for 3 hours at 37 °C) in 2.0 mL of fresh RPMI-1640 growth medium. The cells were washed with ice-cold PBS three times, followed by irradiated by a UV lamp (365 nm, 8×3 watt) for 20 min. Next, the cells were fixed with 3.7% paraformaldehyde in PBS for 30 min at room temperature. After washing with PBS twice, the cells were permeabilized with 0.1% Triton X-100 in PBS for 10 min at room temperature. Cells were then washed twice with PBS again and blocked with 3% BSA in PBS (with 0.05% Tween-20) for 30 min at room temperature, washed twice with PBS. The cells were then treated with a freshly prepared click chemistry reaction cocktail containing of TAMRA-N<sub>3</sub> (100  $\mu$ M final concentration), THPTA (100  $\mu$ M final concentration), NaVc (1.0 mM final concentration), and CuSO<sub>4</sub> (1.0 mM final concentration), in 1.0 mL PBS for 2 hours at room temperature. The cells were then washed with PBS (0.05% Tween-20 and 0.5 mM of EDTA) for 3 times, and with PBS twice with gentle agitation. Cells were treated with 10  $\mu$ g mL<sup>-1</sup> of 4',6-diamidino-2-phenylindole dihydrochloride (DAPI, Invitrogen) dissolved in PBS for 15 min at room temperature, followed by imaging with Leica TSC SP8 STED 3X fluorescence microscope.

### **Cellular thermal-shift assay.**

Jurkat cells were exposing to DMSO or 1  $\mu$ M LRRK2-IN-1 for 1 hour. Following the incubation, the cells were washed with PBS three times. Equal amounts of cell suspensions were aliquoted into PCR tubes and heated individually at temperatures of 47 °C, 50 °C, 53 °C, 56 °C, 59 °C, 62 °C and 65 °C, respectively, for 3 min followed by immediate cooling on ice. The cells were then lysed by 3 freeze-thaw cycles. The cell lysates were centrifuged at 18,000 g for 20 min at 4 °C to pellet the denatured, precipitated proteins. The soluble proteins in the supernatants were analyzed by gel electrophoresis followed by immuno-blotting using PCNA antibody.

### **Molecular modeling.**

The human PCNA structure was obtained from the Protein Data Bank (PDB ID: 3GWG).<sup>4</sup> Molecular docking of LRRK2-IN-1 into the three-dimensional X-ray structure of hPCNA protein were carried out using Molecular Operating Environment (MOE) 2015.10 (Chemical Computing Group Inc., Montreal, QC, Canada). PAB was built using the 12 builder interface of the MOE program, docked into the PIP-box of hPCNA and subjected to energy minimization using the included Force-field MMFF94x calculations.

### **Immunoprecipitation and immunoblotting.**

Jurkat cells were grown in culture medium until 90% confluence. The medium was removed, and cells were incubated respectively with DMSO or LRRK2-IN-1 (10  $\mu$ M) for 12 hours. The medium was aspirated, and cells were washed three times with ice-cold PBS to remove the excessive drugs. Then the cells were harvested and then lysed in 1 mL of lysis buffer (20 mM HEPES (pH 7.4), 12.5 mM  $\beta$ -glycerophosphate, 0.5% Triton-X-100, 150 mM NaCl, 1.5 mM  $MgCl_2$ , 2 mM EGTA, supplemented with phosphatase and protease inhibitors) and incubated on ice for 30 min before clearing by centrifugation at 14,000 g for 15 min. The proteins from cell extracts were immunoprecipitated out using protein A-Sepharose (GE, Fairfield, CT, USA) coated with antibody of human PCNA. Following overnight incubation at 4 °C, immunocomplexes were collected and washed four times with lysis buffer. Bound proteins were eluted with SDS sample buffer and analyzed by SDS-PAGE. Then the proteins were transferred onto PVDF membrane (Millipore) and the membrane was blocked with 3% (w/v) BSA in TBST for 2 hours at room temperature. After blocking, membranes were incubated with primary antibody (*anti*-DNA polymerase  $\delta$  and  $\epsilon$ ) at room temperature for 1 hour. After washing with TBST three times, blots were further incubated with the HRP-conjugated anti-rabbit (Sangon Biotech) secondary antibody for 1 hour at room temperature. After incubation, the blot was washed again with TBST three times and developed by enhanced ECL chemiluminescent substrate kit (Pierce).

### **EdU Cell Proliferation Assay.**

Jurkat cells in 10-well plate were treated with increasing concentrations of LRRK2-IN-1 or T2AA (R&D Systems) for 48 h. Then the cell proliferation was quantified according to the instruction of the Click-iT EdU Alexa HCS Assay (Invitrogen). 10  $\mu$ M EdU was added to each well for 8 hours, then the medium was aspirated by centrifuge, and cells were washed with ice-cold PBS three times to remove the excessive EdU.

Next, the cells were fixed with 3.7% paraformaldehyde in PBS for 15 min at room temperature. After washing with PBS twice, the cells were permeabilized with 0.1% Triton X-100 in PBS for 15 min at room temperature. Cells were then washed twice with PBS again then treated with a freshly prepared click chemistry reaction cocktail containing of TAMRA-N<sub>3</sub> (100 μM), THPTA (100 μM), sodium ascorbate (1.0 mM), and CuSO<sub>4</sub> (1.0 mM), in 1.0 mL PBS for 2 hours at room temperature. The cells were washed with PBS twice with gentle agitation and lysed. The cell lysates were transferred into 96-well ELISA plate and measured using a Thermo Scientific™ Varioskan™ Flash.

### **shRNA transfection.**

To knockdown human PCNA gene, two gene-specific short hairpin RNA (shRNA) were cloned to pLVX-shRNA1 plasmid (632177, Clontech, Mountain View, CA) and a sequence aimed at tGFP (sh-Scr) was negative control. The sequences for sh-PCNA is noted as following:

sh-PCNA Top strand:

5'-gatccGGCGCTAGTATTTGAAGCACTTCAAGAGAGTGCTTCAAATACTAGCGCTTTTTTACGCG

Tg-3'; sh-PCNA Bottom strand:

5'-aattcACGCGTAAAAAAGCGCTAGTATTTGAAGCACTCTCTTGAAGTGCTTCAAATACTAGCGC

Cg-3';

Then, lentivirus was packaged using psPAX2 and pMD2G, the 3-plasmid system. Lentivirus supernatant was added to Jurkat cells for 48 hr, then the cells were trypsinized, centrifuged at 4°C, washed and lysed. Cell lysates were boiled in SDS-PAGE sample loading buffer for 15 min and separated by SDS-PAGE. Then the proteins were transferred onto PVDF membrane (Millipore) and the membrane was blocked with 3% (w/v) BSA in TBST for 2 hours at room temperature. After blocking, membranes were incubated with respective primary antibodies (*anti-PCNA* and *anti-GAPDH*) at room temperature for overnight. After washing with TBST three times, blots were further incubated with the HRP-conjugated anti-rabbit (Sangon Biotech) secondary antibody for 1 hour at room temperature. After incubation, the blot was washed again with TBST three times and developed by enhanced ECL chemiluminescent substrate kit (Pierce). Cell cycle inhibition were analysis as described in “Flow cytometry” above.

#### 4. Quantitative data of proteomic studies

**Table S1.** Quantitative proteomic profiling of the enrichment experiments in Jurkat.

| Accession | Description                                                                                                     | Abundance Ratio (128/127) |             |             | -Log <sub>10</sub><br>( <i>p</i> -value) | Log <sub>2</sub> -(LK2-P1/<br>Dead-Dayne) | Average<br>unique peptide | Significant &<br>Log <sub>2</sub> (enrichment) ><br>2 |
|-----------|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------|-------------|------------------------------------------|-------------------------------------------|---------------------------|-------------------------------------------------------|
|           |                                                                                                                 | Replicate 1               | Replicate 2 | Replicate 3 |                                          |                                           |                           |                                                       |
| P45880    | Voltage-dependent anion-selective channel protein 2 OS=Homo sapiens GN=VDAC2 PE=1 SV=2                          | 39.133                    | 34.362      | 26.193      | 1.91661                                  | 9.3486                                    | 13                        | +                                                     |
| Q14739    | Lamin-B receptor OS=Homo sapiens GN=LBR PE=1 SV=2                                                               | 19.601                    | 16.215      | 16.746      | 1.92839                                  | 4.3276                                    | 7.333333                  | +                                                     |
| P21796    | Voltage-dependent anion-selective channel protein 1 OS=Homo sapiens GN=VDAC1 PE=1 SV=2                          | 16.4                      | 19.227      | 15.809      | 3.22371                                  | 4.16018                                   | 17                        | +                                                     |
| P12004    | Proliferating cell nuclear antigen OS=Homo sapiens GN=PCNA PE=1 SV=1                                            | 10.877                    | 11.856      | 12.911      | 1.72975                                  | 2.49541                                   | 13                        | +                                                     |
| P00813    | Adenosine deaminase OS=Homo sapiens GN=ADA PE=1 SV=3                                                            | 14.749                    | 14.202      | 7.311       | 1.1773                                   | 2.47444                                   | 14.33333                  |                                                       |
| P51572    | B-cell receptor-associated protein 31 OS=Homo sapiens GN=BCAP31 PE=1 SV=3                                       | 12.797                    | 12.65       | 9.032       | 1.82236                                  | 2.31715                                   | 5                         | +                                                     |
| P24539    | ATP synthase F(0) complex subunit B1, mitochondrial OS=Homo sapiens GN=ATP5F1 PE=1 SV=2                         | 11.969                    | 9.194       | 10.378      | 1.55439                                  | 2.05203                                   | 2                         | +                                                     |
| O75844    | CAAX prenyl protease 1 homolog OS=Homo sapiens GN=ZMPSTE24 PE=1 SV=2                                            | 11.475                    | 13.21       | 10.652      | 3.24002                                  | 2.42174                                   | 7.666667                  | +                                                     |
| O75947    | ATP synthase subunit d, mitochondrial OS=Homo sapiens GN=ATP5H PE=1 SV=3                                        | 11.005                    | 8.823       | 5.696       | 0.995183                                 | 1.35057                                   | 1                         |                                                       |
| P07766    | T-cell surface glycoprotein CD3 epsilon chain OS=Homo sapiens GN=CD3E PE=1 SV=2                                 | 10.403                    | 9.683       | 8.473       | 2.09784                                  | 1.70118                                   | 3.666667                  |                                                       |
| Q9NS69    | Mitochondrial import receptor subunit TOM22 homolog OS=Homo sapiens GN=TOMM22 PE=1 SV=3                         | 10.027                    | 9.182       | 7.114       | 1.62116                                  | 1.44885                                   | 5.333333                  |                                                       |
| Q8TB61    | Adenosine 3'-phospho 5'-phosphosulfate transporter 1 OS=Homo sapiens GN=SLC35B2 PE=1 SV=1                       | 9.545                     | 7.739       | #N/A        | 0.740281                                 | 1.33191                                   | 0.666667                  |                                                       |
| P52272    | Heterogeneous nuclear ribonucleoprotein M OS=Homo sapiens GN=HNRNPM PE=1 SV=3                                   | 9.422                     | 4.317       | 16.338      | 0.581626                                 | 2.01405                                   | 1                         |                                                       |
| P07339    | Cathepsin D OS=Homo sapiens GN=CTSD PE=1 SV=1                                                                   | 9.369                     | 9.716       | 7.245       | 1.95835                                  | 1.44489                                   | 8.666667                  |                                                       |
| O15118    | Niemann-Pick C1 protein OS=Homo sapiens GN=NPC1 PE=1 SV=2                                                       | 9.294                     | 9.229       | 8.092       | 2.55705                                  | 1.49076                                   | 2                         |                                                       |
| Q9BQE5    | Apolipoprotein L2 OS=Homo sapiens GN=APOL2 PE=1 SV=1                                                            | 8.86                      | 10.703      | 13.79       | 1.16903                                  | 2.26906                                   | 2                         |                                                       |
| P04234    | T-cell surface glycoprotein CD3 delta chain OS=Homo sapiens GN=CD3D PE=1 SV=1                                   | 8.684                     | 6.868       | 6.523       | 1.33085                                  | 1.00691                                   | 1.666667                  |                                                       |
| Q8TCJ2    | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B OS=Homo sapiens GN=STT3B PE=1 SV=1 | 8.67                      | 7.382       | 6.603       | 1.52674                                  | 1.06496                                   | 1.333333                  |                                                       |
| P57088    | Transmembrane protein 33 OS=Homo sapiens GN=TMEM33 PE=1 SV=2                                                    | 8.643                     | 4.454       | 4.97        | 0.503943                                 | 0.581714                                  | 1.333333                  |                                                       |
| P22830    | Ferrochelatase, mitochondrial OS=Homo sapiens GN=FECH PE=1 SV=2                                                 | 8.557                     | 10.55       | 5.411       | 1.07552                                  | 1.21812                                   | 5.333333                  |                                                       |
| P09693    | T-cell surface glycoprotein CD3 gamma chain OS=Homo sapiens GN=CD3G PE=1 SV=1                                   | 8.536                     | 8.801       | 7.189       | 2.44179                                  | 1.25856                                   | 4.666667                  |                                                       |
| Q9H3N1    | Thioredoxin-related transmembrane protein 1 OS=Homo sapiens GN=TMX1 PE=1 SV=1                                   | 8.465                     | 8.071       | 8.071       | 2.02429                                  | 1.28542                                   | 1.666667                  |                                                       |
| Q8TCT9    | Minor histocompatibility antigen H13 OS=Homo sapiens GN=HM13 PE=1 SV=1                                          | 8.446                     | 12.602      | 8.592       | 1.5756                                   | 1.78646                                   | 3                         |                                                       |
| P07602    | Prosaposin OS=Homo sapiens GN=PSAP PE=1 SV=2                                                                    | 8.325                     | 6.028       | 5.746       | 1.00316                                  | 0.793124                                  | 3                         |                                                       |
| P00846    | ATP synthase subunit a OS=Homo sapiens GN=MT-ATP6 PE=1 SV=1                                                     | 8.123                     | 10.259      | 5.886       | 1.25871                                  | 1.19947                                   | 1                         |                                                       |
| P16615    | Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 OS=Homo sapiens GN=ATP2A2 PE=1 SV=1                         | 8.053                     | 6.757       | 4.875       | 0.93607                                  | 0.730173                                  | 7                         |                                                       |
| P48201    | ATP synthase F(0) complex subunit C3, mitochondrial OS=Homo sapiens GN=ATP5G3 PE=2 SV=1                         | 7.973                     | 6.542       | 7.244       | 1.422                                    | 0.984161                                  | 1                         |                                                       |
| P30519    | Heme oxygenase 2 OS=Homo sapiens GN=HMOX2 PE=1 SV=2                                                             | 7.684                     | #N/A        | 7.285       | 1.85521                                  | 1.14072                                   | 1.666667                  |                                                       |
| P67812    | Signal peptidase complex catalytic subunit SEC11A OS=Homo sapiens GN=SEC11A PE=1 SV=1                           | 7.506                     | 7.351       | 6.877       | 2.27085                                  | 0.968114                                  | 2.333333                  |                                                       |
| P02647    | Apolipoprotein A-I OS=Homo sapiens GN=APOA1 PE=1 SV=1                                                           | 7.405                     | #N/A        | 5.796       | 0.827922                                 | 0.827808                                  | 0.666667                  |                                                       |
| Q9H1E5    | Thioredoxin-related transmembrane protein 4 OS=Homo sapiens GN=TMX4 PE=1 SV=1                                   | 7.341                     | 6.203       | #N/A        | 0.678609                                 | 0.748143                                  | 0.666667                  |                                                       |
| Q9P035    | Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3 OS=Homo sapiens GN=HACD3 PE=1 SV=2                         | 7.325                     | 4.158       | 2.421       | 0.073584                                 | 0.104384                                  | 2.666667                  |                                                       |
| Q15629    | Translocating chain-associated membrane protein 1 OS=Homo sapiens GN=TRAM1 PE=1 SV=3                            | 7.241                     | 6.284       | 5.061       | 1.1157                                   | 0.618093                                  | 2.333333                  |                                                       |
| P49368    | T-complex protein 1 subunit gamma OS=Homo sapiens GN=CCT3 PE=1 SV=4                                             | 7.172                     | 3.931       | 4.21        | 0.302651                                 | 0.279829                                  | 2.666667                  |                                                       |

|        |                                                                                                 |       |        |        |          |          |           |
|--------|-------------------------------------------------------------------------------------------------|-------|--------|--------|----------|----------|-----------|
| O43772 | Mitochondrial carnitine/acylcarnitine carrier protein OS=Homo sapiens GN=SLC25A20 PE=1 SV=1     | 7.163 | 6.313  | 5.8    | 1.50919  | 0.700898 | 4.333333  |
| Q9BTX1 | Nucleoporin NDC1 OS=Homo sapiens GN=NDC1 PE=1 SV=2                                              | 7.161 | 4.058  | 6.81   | 0.613548 | 0.602244 | 2.666667  |
| Q8NBX0 | Saccharopine dehydrogenase-like oxidoreductase OS=Homo sapiens GN=SCCPDH PE=1 SV=1              | 7.112 | 4.588  | 7.163  | 0.74773  | 0.690727 | 2.666667  |
| Q99729 | Heterogeneous nuclear ribonucleoprotein A/B OS=Homo sapiens GN=HNRNPAB PE=1 SV=2                | 6.916 | 4.299  | 5.672  | 0.630054 | 0.462798 | 1.666667  |
| Q9NQC3 | Reticulon-4 OS=Homo sapiens GN=RTN4 PE=1 SV=2                                                   | 6.907 | 4.656  | #N/A   | 0.328192 | 0.451602 | 1.666667  |
| Q86XL3 | Ankyrin repeat and LEM domain-containing protein 2 OS=Homo sapiens GN=ANKLE2 PE=1 SV=4          | 6.741 | 7.403  | 4.245  | 0.827319 | 0.574859 | 5         |
| P12236 | ADP/ATP translocase 3 OS=Homo sapiens GN=SLC25A6 PE=1 SV=4                                      | 6.73  | 4.231  | 3.38   | 0.175305 | 0.161562 | 3         |
| O95197 | Reticulon-3 OS=Homo sapiens GN=RTN3 PE=1 SV=2                                                   | 6.695 | 13.469 | 10.465 | 1.11174  | 1.90453  | 1.666667  |
| P51648 | Fatty aldehyde dehydrogenase OS=Homo sapiens GN=ALDH3A2 PE=1 SV=1                               | 6.674 | 4.074  | 3.627  | 0.195817 | 0.169768 | 2.666667  |
| Q8N511 | Transmembrane protein 199 OS=Homo sapiens GN=TMEM199 PE=1 SV=1                                  | 6.624 | 5.596  | 6.935  | 1.104    | 0.708393 | 1.666667  |
| P48735 | Isocitrate dehydrogenase [NADP], mitochondrial OS=Homo sapiens GN=IDH2 PE=1 SV=2                | 6.566 | 4.385  | 3.731  | 0.265608 | 0.200721 | 3.333333  |
| P36956 | Sterol regulatory element-binding protein 1 OS=Homo sapiens GN=SREBF1 PE=1 SV=2                 | 6.545 | #N/A   | #N/A   | 0        | 0.743976 | 0.333333  |
| P01850 | T-cell receptor beta-1 chain C region OS=Homo sapiens GN=TRBC1 PE=1 SV=3                        | 6.415 | 7.192  | 5.388  | 1.74965  | 0.655703 | 3         |
| O60506 | Heterogeneous nuclear ribonucleoprotein Q OS=Homo sapiens GN=SYNCRIP PE=1 SV=2                  | 6.333 | 4.801  | 5.184  | 0.822946 | 0.389784 | 2         |
| Q15067 | Peroxisomal acyl-coenzyme A oxidase 1 OS=Homo sapiens GN=ACOX1 PE=1 SV=3                        | 6.332 | 6.316  | 5.266  | 1.81638  | 0.546858 | 4.666667  |
| Q96A26 | Protein FAM162A OS=Homo sapiens GN=FAM162A PE=1 SV=2                                            | 6.318 | 4.258  | 3.784  | 0.241891 | 0.167732 | 1.333333  |
| P08670 | Vimentin OS=Homo sapiens GN=VIM PE=1 SV=4                                                       | 6.28  | 5.653  | 4.761  | 1.11525  | 0.416254 | 11        |
| P22626 | Heterogeneous nuclear ribonucleoproteins A2/B1 OS=Homo sapiens GN=HNRNPA2B1 PE=1 SV=2           | 6.188 | 7.091  | 5.696  | 2.28244  | 0.658056 | 5         |
| P52566 | Rho GDP-dissociation inhibitor 2 OS=Homo sapiens GN=ARHGDI2 PE=1 SV=3                           | 6.088 | 3.187  | 4.052  | 0.082114 | 0.070616 | 3         |
| P13639 | Elongation factor 2 OS=Homo sapiens GN=EEF2 PE=1 SV=4                                           | 6.083 | 3.743  | 3.599  | 0.088951 | 0.069925 | 10.333333 |
| Q15392 | Delta(24)-sterol reductase OS=Homo sapiens GN=DHCR24 PE=1 SV=2                                  | 5.973 | 7.45   | #N/A   | 0.876991 | 0.706855 | 1         |
| Q9H6V9 | Lipid droplet-associated hydrolase OS=Homo sapiens GN=LDAH PE=1 SV=1                            | 5.931 | 6.115  | 4.217  | 0.860753 | 0.358102 | 2         |
| P61978 | Heterogeneous nuclear ribonucleoprotein K OS=Homo sapiens GN=HNRNPK PE=1 SV=1                   | 5.905 | 6.211  | 5.019  | 1.84616  | 0.460623 | 7.666667  |
| P37268 | Squalene synthase OS=Homo sapiens GN=FDFT1 PE=1 SV=1                                            | 5.848 | 4.221  | 4.819  | 0.510104 | 0.236907 | 3.333333  |
| P68104 | Elongation factor 1-alpha 1 OS=Homo sapiens GN=EEF1A1 PE=1 SV=1                                 | 5.841 | 5.58   | 5.213  | 1.7109   | 0.415506 | 6.666667  |
| P14625 | Endoplasmic reticulum chaperone protein OS=Homo sapiens GN=HSP90B1 PE=1 SV=1                    | 5.759 | 5.822  | 5.581  | 1.95752  | 0.47418  | 5.333333  |
| O43169 | Cytochrome b5 type B OS=Homo sapiens GN=CYB5B PE=1 SV=2                                         | 5.747 | 15.251 | 6.615  | 0.686196 | 1.51384  | 2.333333  |
| P62937 | Peptidyl-prolyl cis-trans isomerase A OS=Homo sapiens GN=PPIA PE=1 SV=2                         | 5.693 | 3.671  | 3.503  | 0.012237 | 0.009001 | 1.666667  |
| Q14566 | DNA replication licensing factor MCM6 OS=Homo sapiens GN=MCM6 PE=1 SV=1                         | 5.691 | #N/A   | #N/A   | 0        | 0.465259 | 0.333333  |
| P43307 | Translocon-associated protein subunit alpha OS=Homo sapiens GN=SSR1 PE=1 SV=3                   | 5.644 | 8.276  | 5.043  | 0.952944 | 0.635968 | 1.666667  |
| O95202 | LETM1 and EF-hand domain-containing protein 1, mitochondrial OS=Homo sapiens GN=LETM1 PE=1 SV=1 | 5.612 | #N/A   | #N/A   | 0        | 0.439476 | 0.333333  |
| Q13011 | Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial OS=Homo sapiens GN=ECH1 PE=1 SV=2    | 5.536 | 10.361 | 7.824  | 1.02173  | 1.15996  | 3         |
| Q96AG4 | Leucine-rich repeat-containing protein 59 OS=Homo sapiens GN=LRRC59 PE=1 SV=1                   | 5.522 | 4.049  | 5.53   | 0.493862 | 0.269829 | 1.333333  |
| Q9HD20 | Manganese-transporting ATPase 13A1 OS=Homo sapiens GN=ATP13A1 PE=1 SV=2                         | 5.503 | 5.679  | 5.223  | 2.36344  | 0.389563 | 7.333333  |
| Q08722 | Leukocyte surface antigen CD47 OS=Homo sapiens GN=CD47 PE=1 SV=1                                | 5.489 | 5.875  | 7.116  | 0.939581 | 0.633725 | 1.666667  |
| P13073 | Cytochrome c oxidase subunit 4 isoform 1, mitochondrial OS=Homo sapiens GN=COX4I1 PE=1 SV=1     | 5.481 | #N/A   | 4.762  | 0.882371 | 0.328166 | 0.666667  |
| Q01650 | Large neutral amino acids transporter small subunit 1 OS=Homo sapiens GN=SLC7A5 PE=1 SV=2       | 5.464 | 5.661  | 4.681  | 1.6758   | 0.318683 | 1.333333  |
| Q9Y5M8 | Signal recognition particle receptor subunit beta OS=Homo sapiens GN=SRPRB PE=1 SV=3            | 5.41  | 10.917 | 5.504  | 0.717877 | 0.922595 | 4         |
| P08238 | Heat shock protein HSP 90-beta OS=Homo sapiens GN=HSP90AB1 PE=1 SV=4                            | 5.401 | 4.875  | 5.028  | 1.07288  | 0.276915 | 6.333333  |
| Q14103 | Heterogeneous nuclear ribonucleoprotein D0 OS=Homo sapiens GN=HNRNPD PE=1 SV=1                  | 5.394 | 5.535  | 4.185  | 0.887689 | 0.239433 | 1.333333  |
| O15173 | Membrane-associated progesterone receptor component 2 OS=Homo sapiens GN=PGRMC2 PE=1 SV=1       | 5.358 | #N/A   | 4.782  | 1.04064  | 0.311686 | 1.666667  |

|        |                                                                                                      |       |       |       |          |          |          |
|--------|------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|----------|----------|
| P31943 | Heterogeneous nuclear ribonucleoprotein H OS=Homo sapiens GN=HNRNPH1 PE=1 SV=4                       | 5.314 | 4.165 | 4.574 | 0.414752 | 0.144037 | 1        |
| O43175 | D-3-phosphoglycerate dehydrogenase OS=Homo sapiens GN=PHGDH PE=1 SV=4                                | 5.294 | #N/A  | 4.074 | 0.322147 | 0.174105 | 1        |
| P40227 | T-complex protein 1 subunit zeta OS=Homo sapiens GN=CCT6A PE=1 SV=3                                  | 5.176 | #N/A  | #N/A  | 0        | 0.29718  | 0.333333 |
| P11940 | Polyadenylate-binding protein 1 OS=Homo sapiens GN=PABPC1 PE=1 SV=2                                  | 5.164 | #N/A  | 3.308 | 0.015517 | 0.015339 | 1        |
| Q9HD45 | Transmembrane 9 superfamily member 3 OS=Homo sapiens GN=TM9SF3 PE=1 SV=2                             | 5.153 | 4.441 | 7.967 | 0.485351 | 0.559561 | 2.333333 |
| P51659 | Peroxisomal multifunctional enzyme type 2 OS=Homo sapiens GN=HSD17B4 PE=1 SV=3                       | 5.125 | #N/A  | 2.461 | 0.100948 | -0.14312 | 0.666667 |
| P17987 | T-complex protein 1 subunit alpha OS=Homo sapiens GN=TCP1 PE=1 SV=1                                  | 5.085 | 5.045 | 4.777 | 1.59501  | 0.229026 | 2        |
| Q9UBB4 | Ataxin-10 OS=Homo sapiens GN=ATXN10 PE=1 SV=1                                                        | 5.05  | 3.45  | #N/A  | 0.02749  | -0.02739 | 0.666667 |
| Q14151 | Scaffold attachment factor B2 OS=Homo sapiens GN=SAFB2 PE=1 SV=1                                     | 5.019 | #N/A  | #N/A  | 0        | 0.24594  | 0.333333 |
| P31948 | Stress-induced-phosphoprotein 1 OS=Homo sapiens GN=STIP1 PE=1 SV=1                                   | 5.011 | 3.225 | 2.461 | 0.355787 | -0.23332 | 1.333333 |
| P15153 | Ras-related C3 botulinum toxin substrate 2 OS=Homo sapiens GN=RAC2 PE=1 SV=1                         | 4.98  | #N/A  | 4.912 | 1.0324   | 0.273347 | 0.666667 |
| Q99595 | Mitochondrial import inner membrane translocase subunit Tim17-A OS=Homo sapiens GN=TIMM17A PE=1 SV=1 | 4.965 | 4.947 | #N/A  | 0.747229 | 0.177159 | 1        |
| P50990 | T-complex protein 1 subunit theta OS=Homo sapiens GN=CCT8 PE=1 SV=4                                  | 4.938 | 5.352 | 8.415 | 0.571694 | 0.678419 | 3.666667 |
| Q9UBX3 | Mitochondrial dicarboxylate carrier OS=Homo sapiens GN=SLC25A10 PE=1 SV=2                            | 4.905 | 1.947 | 4.831 | 0.085476 | -0.08544 | 1.333333 |
| P60842 | Eukaryotic initiation factor 4A-I OS=Homo sapiens GN=EIF4A1 PE=1 SV=1                                | 4.9   | 3.851 | 3.801 | 0.065908 | -0.02408 | 2.666667 |
| P10809 | 60 kDa heat shock protein, mitochondrial OS=Homo sapiens GN=HSPD1 PE=1 SV=2                          | 4.89  | 4.161 | 3.354 | 0.125111 | -0.04853 | 8        |
| Q15363 | Transmembrane emp24 domain-containing protein 2 OS=Homo sapiens GN=TMED2 PE=1 SV=1                   | 4.845 | 4.227 | #N/A  | 0.115568 | 0.052523 | 0.666667 |
| P40939 | Trifunctional enzyme subunit alpha, mitochondrial OS=Homo sapiens GN=HADHA PE=1 SV=2                 | 4.831 | 6.538 | 3.473 | 0.307022 | 0.190512 | 7.666667 |
| Q99808 | Equilibrative nucleoside transporter 1 OS=Homo sapiens GN=SLC29A1 PE=1 SV=3                          | 4.812 | 7.521 | 4.858 | 0.76202  | 0.449868 | 1.666667 |
| O76062 | Delta(14)-sterol reductase OS=Homo sapiens GN=TM7SF2 PE=2 SV=3                                       | 4.78  | #N/A  | #N/A  | 0        | 0.167939 | 0.333333 |
| P14406 | Cytochrome c oxidase subunit 7A2, mitochondrial OS=Homo sapiens GN=COX7A2 PE=1 SV=1                  | 4.777 | 7.815 | 5.856 | 0.90561  | 0.594134 | 1        |
| P16401 | Histone H1.5 OS=Homo sapiens GN=HIST1H1B PE=1 SV=3                                                   | 4.761 | 3.363 | 3.305 | 0.350379 | -0.14605 | 2.333333 |
| P09651 | Heterogeneous nuclear ribonucleoprotein A1 OS=Homo sapiens GN=HNRNPA1 PE=1 SV=5                      | 4.755 | 4.113 | 3.968 | 0.021675 | 0.005618 | 2        |
| P18621 | 60S ribosomal protein L17 OS=Homo sapiens GN=RPL17 PE=1 SV=3                                         | 4.744 | 4.304 | #N/A  | 0.131189 | 0.047277 | 0.666667 |
| P00558 | Phosphoglycerate kinase 1 OS=Homo sapiens GN=PGK1 PE=1 SV=3                                          | 4.704 | 4.556 | 4.877 | 0.676728 | 0.151983 | 5.666667 |
| P09488 | Glutathione S-transferase Mu 1 OS=Homo sapiens GN=GSTM1 PE=1 SV=3                                    | 4.676 | #N/A  | 4.841 | 0.652177 | 0.210989 | 0.666667 |
| P07910 | Heterogeneous nuclear ribonucleoproteins C1/C2 OS=Homo sapiens GN=HNRNPC PE=1 SV=4                   | 4.65  | #N/A  | 5.301 | 0.484127 | 0.28935  | 1.666667 |
| P07099 | Epoxide hydrolase 1 OS=Homo sapiens GN=EPHX1 PE=1 SV=1                                               | 4.648 | 4.923 | 6.694 | 0.54277  | 0.399111 | 2        |
| O75964 | ATP synthase subunit g, mitochondrial OS=Homo sapiens GN=ATP5L PE=1 SV=3                             | 4.64  | 7.438 | 4.871 | 0.713331 | 0.424639 | 1        |
| P14618 | Pyruvate kinase PKM OS=Homo sapiens GN=PKM PE=1 SV=4                                                 | 4.639 | 3.706 | 4.869 | 0.134168 | 0.061272 | 6.666667 |
| P60709 | Actin, cytoplasmic 1 OS=Homo sapiens GN=ACTB PE=1 SV=1                                               | 4.612 | 4.185 | 4.16  | 0.11033  | 0.020051 | 7.333333 |
| P23396 | 40S ribosomal protein S3 OS=Homo sapiens GN=RPS3 PE=1 SV=2                                           | 4.597 | 3.808 | 4.136 | 0.0733   | -0.02113 | 4        |
| P07195 | L-lactate dehydrogenase B chain OS=Homo sapiens GN=LDHB PE=1 SV=2                                    | 4.576 | 3.297 | 3.198 | 0.48503  | -0.18541 | 4.666667 |
| P38159 | RNA-binding motif protein, X chromosome OS=Homo sapiens GN=RBMX PE=1 SV=3                            | 4.569 | #N/A  | 3.942 | 0.145361 | 0.032093 | 1        |
| Q9UM22 | Mammalian ependymin-related protein 1 OS=Homo sapiens GN=EPDR1 PE=1 SV=2                             | 4.558 | #N/A  | 4.441 | 0.893114 | 0.119905 | 0.666667 |
| P00338 | L-lactate dehydrogenase A chain OS=Homo sapiens GN=LDHA PE=1 SV=2                                    | 4.524 | 4.208 | 4.23  | 0.130346 | 0.021094 | 3.333333 |
| P12956 | X-ray repair cross-complementing protein 6 OS=Homo sapiens GN=XRCC6 PE=1 SV=2                        | 4.521 | 3.506 | 3.343 | 0.486261 | -0.1537  | 5.666667 |
| P35579 | Myosin-9 OS=Homo sapiens GN=MYH9 PE=1 SV=4                                                           | 4.51  | 3.759 | 3.753 | 0.345865 | -0.08121 | 19       |
| P02786 | Transferrin receptor protein 1 OS=Homo sapiens GN=TFRC PE=1 SV=2                                     | 4.461 | 3.45  | 3.528 | 0.49231  | -0.14353 | 7        |
| P06733 | Alpha-enolase OS=Homo sapiens GN=ENO1 PE=1 SV=2                                                      | 4.457 | 3.597 | 3.372 | 0.529046 | -0.14834 | 7.333333 |
| P62753 | 40S ribosomal protein S6 OS=Homo sapiens GN=RPS6 PE=1 SV=1                                           | 4.442 | #N/A  | 3.268 | 0.200246 | -0.10966 | 1.666667 |
| P26641 | Elongation factor 1-gamma OS=Homo sapiens GN=EEF1G PE=1 SV=3                                         | 4.434 | #N/A  | 3.756 | 0.088463 | -0.02334 | 1        |
| P11142 | Heat shock cognate 71 kDa protein OS=Homo sapiens GN=HSPA8 PE=1 SV=1                                 | 4.426 | 4.49  | 3.955 | 0.065738 | 0.004942 | 13       |
| P07737 | Profilin-1 OS=Homo sapiens GN=PFN1 PE=1 SV=2                                                         | 4.405 | 4.272 | 3.409 | 0.39988  | -0.08391 | 5        |

|        |                                                                                                                 |       |       |        |          |          |          |
|--------|-----------------------------------------------------------------------------------------------------------------|-------|-------|--------|----------|----------|----------|
| Q13838 | Spliceosome RNA helicase DDX39B OS=Homo sapiens GN=DDX39B PE=1 SV=1                                             | 4.396 | 4.898 | 2.898  | 0.184128 | -0.08517 | 1.333333 |
| P50991 | T-complex protein 1 subunit delta OS=Homo sapiens GN=CCT4 PE=1 SV=4                                             | 4.385 | 3.168 | #N/A   | 0.249503 | -0.17706 | 1.333333 |
| P48449 | Lanosterol synthase OS=Homo sapiens GN=LSS PE=1 SV=1                                                            | 4.34  | 3.326 | 4.1    | 0.299548 | -0.10028 | 1.333333 |
| O14979 | Heterogeneous nuclear ribonucleoprotein D-like OS=Homo sapiens GN=HNRNPDL PE=1 SV=3                             | 4.294 | 6.065 | 5.72   | 0.733541 | 0.355082 | 1        |
| P14174 | Macrophage migration inhibitory factor OS=Homo sapiens GN=MIF PE=1 SV=4                                         | 4.289 | #N/A  | 3.948  | 0.189137 | -0.01252 | 0.666667 |
| Q8WY22 | BRI3-binding protein OS=Homo sapiens GN=BRI3BP PE=1 SV=1                                                        | 4.269 | 5.212 | 5.14   | 0.655591 | 0.199955 | 2        |
| P19338 | Nucleolin OS=Homo sapiens GN=NCL PE=1 SV=3                                                                      | 4.26  | 4.53  | 4.324  | 0.388363 | 0.034949 | 5.666667 |
| P00403 | Cytochrome c oxidase subunit 2 OS=Homo sapiens GN=MT-CO2 PE=1 SV=1                                              | 4.255 | 6.155 | 10.779 | 0.49155  | 0.965231 | 1.666667 |
| Q9H4I3 | TraB domain-containing protein OS=Homo sapiens GN=TRABD PE=1 SV=1                                               | 4.253 | #N/A  | 4.679  | 0.291377 | 0.112872 | 0.333333 |
| P11586 | C-1-tetrahydrofolate synthase, cytoplasmic OS=Homo sapiens GN=MTHFD1 PE=1 SV=3                                  | 4.25  | #N/A  | 4.125  | 0.219638 | 0.0129   | 0.666667 |
| Q15365 | Poly(rC)-binding protein 1 OS=Homo sapiens GN=PCBP1 PE=1 SV=2                                                   | 4.247 | #N/A  | 1.709  | 0.305023 | -0.42144 | 1        |
| P08195 | 4F2 cell-surface antigen heavy chain OS=Homo sapiens GN=SLC3A2 PE=1 SV=3                                        | 4.228 | #N/A  | 3.107  | 0.321682 | -0.1735  | 1        |
| P31146 | Coronin-1A OS=Homo sapiens GN=CORO1A PE=1 SV=4                                                                  | 4.227 | 4.296 | 3.219  | 0.537812 | -0.12369 | 1.666667 |
| P78527 | DNA-dependent protein kinase catalytic subunit OS=Homo sapiens GN=PRKDC PE=1 SV=3                               | 4.226 | 4.404 | 3.441  | 0.508789 | -0.08671 | 1.333333 |
| P07900 | Heat shock protein HSP 90-alpha OS=Homo sapiens GN=HSP90AA1 PE=1 SV=5                                           | 4.195 | 5.635 | 3.845  | 0.224379 | 0.07802  | 4.333333 |
| P27824 | Calnexin OS=Homo sapiens GN=CANX PE=1 SV=2                                                                      | 4.164 | 5.053 | 5.603  | 0.491547 | 0.228494 | 5        |
| P84103 | Serine/arginine-rich splicing factor 3 OS=Homo sapiens GN=SRSF3 PE=1 SV=1                                       | 4.137 | #N/A  | 2.312  | 0.340039 | -0.33111 | 1        |
| O60830 | Mitochondrial import inner membrane translocase subunit Tim17-B OS=Homo sapiens GN=TIMM17B PE=1 SV=1            | 4.117 | 3.97  | 4.944  | 0.089224 | 0.039143 | 2.666667 |
| P39023 | 60S ribosomal protein L3 OS=Homo sapiens GN=RPL3 PE=1 SV=2                                                      | 4.105 | 4.278 | 9.086  | 0.335364 | 0.563656 | 1.333333 |
| P31930 | Cytochrome b-c1 complex subunit 1, mitochondrial OS=Homo sapiens GN=UQCRC1 PE=1 SV=3                            | 4.073 | #N/A  | #N/A   | 0        | -0.0628  | 0.333333 |
| P68431 | Histone H3.1 OS=Homo sapiens GN=HIST1H3A PE=1 SV=2                                                              | 4.068 | 4.235 | 3.373  | 0.832463 | -0.12848 | 1.333333 |
| P17844 | Probable ATP-dependent RNA helicase DDX5 OS=Homo sapiens GN=DDX5 PE=1 SV=1                                      | 4.056 | 4.342 | 3.078  | 0.608527 | -0.1547  | 3        |
| Q9Y277 | Voltage-dependent anion-selective channel protein 3 OS=Homo sapiens GN=VDAC3 PE=1 SV=1                          | 4.053 | 5.991 | 5.952  | 0.59134  | 0.34944  | 3.666667 |
| Q15233 | Non-POU domain-containing octamer-binding protein OS=Homo sapiens GN=NONO PE=1 SV=4                             | 4.04  | 3.158 | 2.656  | 0.894092 | -0.32213 | 2.333333 |
| O15269 | Serine palmitoyltransferase 1 OS=Homo sapiens GN=SPTLC1 PE=1 SV=1                                               | 4.033 | #N/A  | #N/A   | 0        | -0.07586 | 0.333333 |
| P62820 | Ras-related protein Rab-1A OS=Homo sapiens GN=RAB1A PE=1 SV=3                                                   | 4.027 | 4.85  | #N/A   | 0.032359 | 0.00994  | 1.666667 |
| P23246 | Splicing factor, proline- and glutamine-rich OS=Homo sapiens GN=SFPQ PE=1 SV=2                                  | 4.025 | 2.75  | 3.593  | 0.695416 | -0.25127 | 2        |
| P04114 | Apolipoprotein B-100 OS=Homo sapiens GN=APOB PE=1 SV=2                                                          | 4.018 | #N/A  | 4.44   | 0.083319 | 0.031606 | 0.666667 |
| P13796 | Plastin-2 OS=Homo sapiens GN=LCP1 PE=1 SV=6                                                                     | 4.005 | 4.191 | 3.296  | 0.89258  | -0.14883 | 9.333333 |
| P36639 | 7,8-dihydro-8-oxoguanine triphosphatase OS=Homo sapiens GN=NUDT1 PE=1 SV=3                                      | 4     | #N/A  | #N/A   | 0        | -0.08663 | 0.333333 |
| P55060 | Exportin-2 OS=Homo sapiens GN=CSE1L PE=1 SV=3                                                                   | 3.978 | 3.177 | #N/A   | 0.456035 | -0.24216 | 0.666667 |
| Q12981 | Vesicle transport protein SEC20 OS=Homo sapiens GN=BNIP1 PE=1 SV=3                                              | 3.973 | #N/A  | #N/A   | 0        | -0.09544 | 0.333333 |
| O95674 | Phosphatidate cytidyltransferase 2 OS=Homo sapiens GN=CDS2 PE=1 SV=1                                            | 3.956 | #N/A  | #N/A   | 0        | -0.10099 | 0.333333 |
| P09972 | Fructose-bisphosphate aldolase C OS=Homo sapiens GN=ALDOC PE=1 SV=2                                             | 3.95  | 3.959 | 3.65   | 1.79507  | -0.13501 | 1        |
| P55786 | Puromycin-sensitive aminopeptidase OS=Homo sapiens GN=NPEPPS PE=1 SV=2                                          | 3.894 | #N/A  | 3.74   | 1.41637  | -0.11433 | 0.666667 |
| Q08945 | FACT complex subunit SSRP1 OS=Homo sapiens GN=SSRP1 PE=1 SV=1                                                   | 3.889 | #N/A  | #N/A   | 0        | -0.12285 | 0.333333 |
| P46977 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A OS=Homo sapiens GN=STT3A PE=1 SV=2 | 3.879 | 5.965 | 3.551  | 0.069482 | 0.040546 | 1.333333 |
| P11717 | Cation-independent mannose-6-phosphate receptor OS=Homo sapiens GN=IGF2R PE=1 SV=3                              | 3.863 | 3.776 | 3.747  | 1.33891  | -0.15066 | 4        |
| P29692 | Elongation factor 1-delta OS=Homo sapiens GN=EEF1D PE=1 SV=5                                                    | 3.859 | 2.813 | 3.419  | 0.913709 | -0.28403 | 1.333333 |
| Q5T9A4 | ATPase family AAA domain-containing protein 3B OS=Homo sapiens GN=ATAD3B PE=1 SV=1                              | 3.847 | #N/A  | 5.845  | 0.199203 | 0.256001 | 1.333333 |
| P07437 | Tubulin beta chain OS=Homo sapiens GN=TUBB PE=1 SV=2                                                            | 3.826 | 3.298 | 3.251  | 1.28001  | -0.26056 | 9        |
| P28072 | Proteasome subunit beta type-6 OS=Homo sapiens GN=PSMB6 PE=1 SV=4                                               | 3.818 | 3.513 | #N/A   | 0.687844 | -0.21924 | 0.666667 |
| P68363 | Tubulin alpha-1B chain OS=Homo sapiens GN=TUBA1B PE=1 SV=1                                                      | 3.808 | 4.638 | 4.293  | 0.032483 | -0.00743 | 11       |

|        |                                                                                                                      |       |       |       |          |          |          |
|--------|----------------------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|----------|----------|
| P05023 | Sodium/potassium-transporting ATPase subunit alpha-1 OS=Homo sapiens GN=ATP1A1 PE=1 SV=1                             | 3.795 | 4.422 | 3.792 | 0.876842 | -0.08983 | 3        |
| P62424 | 60S ribosomal protein L7a OS=Homo sapiens GN=RPL7A PE=1 SV=2                                                         | 3.779 | #N/A  | #N/A  | 0        | -0.15876 | 0.666667 |
| Q99536 | Synaptic vesicle membrane protein VAT-1 homolog OS=Homo sapiens GN=VAT1 PE=1 SV=2                                    | 3.746 | 3.423 | 3.553 | 1.34035  | -0.22095 | 2        |
| Q5BJF2 | Transmembrane protein 97 OS=Homo sapiens GN=TMEM97 PE=1 SV=1                                                         | 3.74  | 7.384 | 5.191 | 0.463916 | 0.359785 | 2.666667 |
| O95758 | Polypyrimidine tract-binding protein 3 OS=Homo sapiens GN=PTBP3 PE=1 SV=2                                            | 3.692 | #N/A  | #N/A  | 0        | -0.18715 | 0.333333 |
| Q86VP6 | Cullin-associated NEDD8-dissociated protein 1 OS=Homo sapiens GN=CAND1 PE=1 SV=2                                     | 3.686 | #N/A  | 1.361 | 0.424338 | -0.57547 | 0.666667 |
| P35637 | RNA-binding protein FUS OS=Homo sapiens GN=FUS PE=1 SV=1                                                             | 3.679 | #N/A  | #N/A  | 0        | -0.19139 | 0.666667 |
| Q9Y266 | Nuclear migration protein nudC OS=Homo sapiens GN=NUDC PE=1 SV=1                                                     | 3.676 | #N/A  | 4.599 | 0.006156 | 0.00435  | 0.666667 |
| P22695 | Cytochrome b-c1 complex subunit 2, mitochondrial OS=Homo sapiens GN=UQCRC2 PE=1 SV=3                                 | 3.675 | #N/A  | 3.225 | 0.889261 | -0.24255 | 0.666667 |
| Q8TDY2 | RB1-inducible coiled-coil protein 1 OS=Homo sapiens GN=RB1CC1 PE=1 SV=3                                              | 3.67  | #N/A  | #N/A  | 0        | -0.19433 | 0.333333 |
| O75367 | Core histone macro-H2A.1 OS=Homo sapiens GN=H2AFY PE=1 SV=4                                                          | 3.662 | #N/A  | #N/A  | 0        | -0.19694 | 0.333333 |
| P60660 | Myosin light polypeptide 6 OS=Homo sapiens GN=MYL6 PE=1 SV=2                                                         | 3.655 | #N/A  | #N/A  | 0        | -0.19922 | 0.333333 |
| O95470 | Sphingosine-1-phosphate lyase 1 OS=Homo sapiens GN=SGPL1 PE=1 SV=3                                                   | 3.653 | #N/A  | 4.346 | 0.085769 | -0.04484 | 0.666667 |
| P62979 | Ubiquitin-40S ribosomal protein S27a OS=Homo sapiens GN=RPS27A PE=1 SV=2                                             | 3.636 | 4.837 | 4.929 | 0.159238 | 0.069355 | 3        |
| P20700 | Lamin-B1 OS=Homo sapiens GN=LMNB1 PE=1 SV=2                                                                          | 3.628 | 3.765 | 3.386 | 2.9145   | -0.22051 | 1.333333 |
| P63244 | Receptor of activated protein C kinase 1 OS=Homo sapiens GN=RACK1 PE=1 SV=3                                          | 3.623 | #N/A  | 2.502 | 0.570364 | -0.38086 | 0.666667 |
| Q00839 | Heterogeneous nuclear ribonucleoprotein U OS=Homo sapiens GN=HNRNPU PE=1 SV=6                                        | 3.622 | 3.808 | 2.882 | 1.24485  | -0.27732 | 4        |
| P35232 | Prohibitin OS=Homo sapiens GN=PHB PE=1 SV=1                                                                          | 3.613 | #N/A  | #N/A  | 0        | -0.21293 | 0.333333 |
| P29401 | Transketolase OS=Homo sapiens GN=TKT PE=1 SV=3                                                                       | 3.606 | 3.231 | 2.863 | 1.48437  | -0.33746 | 3.666667 |
| P55072 | Transitional endoplasmic reticulum ATPase OS=Homo sapiens GN=VCP PE=1 SV=4                                           | 3.602 | 2.682 | 2.873 | 1.28026  | -0.3901  | 3.333333 |
| P05141 | ADP/ATP translocase 2 OS=Homo sapiens GN=SLC25A5 PE=1 SV=7                                                           | 3.584 | #N/A  | 5.051 | 0.070775 | 0.070503 | 1        |
| Q9Y4P3 | Transducin beta-like protein 2 OS=Homo sapiens GN=TBL2 PE=1 SV=1                                                     | 3.543 | 3.529 | 3.065 | 1.9001   | -0.29114 | 1        |
| P62244 | 40S ribosomal protein S15a OS=Homo sapiens GN=RPS15A PE=1 SV=2                                                       | 3.515 | #N/A  | #N/A  | 0        | -0.24492 | 0.333333 |
| Q9UMX5 | Neudesin OS=Homo sapiens GN=NENF PE=1 SV=1                                                                           | 3.499 | 4.163 | 2.765 | 0.922194 | -0.27017 | 1.666667 |
| P16435 | NADPH--cytochrome P450 reductase OS=Homo sapiens GN=POR PE=1 SV=2                                                    | 3.489 | #N/A  | 2.193 | 0.572516 | -0.45822 | 1        |
| P04406 | Glyceraldehyde-3-phosphate dehydrogenase OS=Homo sapiens GN=GAPDH PE=1 SV=3                                          | 3.482 | 2.395 | 2.509 | 1.29398  | -0.47465 | 7.666667 |
| P46776 | 60S ribosomal protein L27a OS=Homo sapiens GN=RPL27A PE=1 SV=2                                                       | 3.478 | 2.988 | 2.22  | 1.23248  | -0.452   | 1        |
| Q9UHG3 | Prenylcysteine oxidase 1 OS=Homo sapiens GN=PCYOX1 PE=1 SV=3                                                         | 3.472 | 5.431 | 6.088 | 0.319684 | 0.248042 | 2        |
| Q3SXM5 | Inactive hydroxysteroid dehydrogenase-like protein 1 OS=Homo sapiens GN=HSDL1 PE=1 SV=3                              | 3.457 | #N/A  | #N/A  | 0        | -0.26385 | 0.333333 |
| P62826 | GTP-binding nuclear protein Ran OS=Homo sapiens GN=RAN PE=1 SV=3                                                     | 3.45  | 3.907 | 3.075 | 1.48671  | -0.26329 | 3        |
| P26038 | Moesin OS=Homo sapiens GN=MSN PE=1 SV=3                                                                              | 3.444 | 1.858 | 3.396 | 0.864209 | -0.42483 | 3.333333 |
| P27348 | 14-3-3 protein theta OS=Homo sapiens GN=YWHAQ PE=1 SV=1                                                              | 3.426 | 3.353 | 2.722 | 1.59842  | -0.36205 | 2.333333 |
| Q15366 | Poly(rC)-binding protein 2 OS=Homo sapiens GN=PCBP2 PE=1 SV=1                                                        | 3.398 | #N/A  | 2.651 | 0.766447 | -0.39082 | 0.666667 |
| O43924 | Retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit delta OS=Homo sapiens GN=PDE6D PE=1 SV=1 | 3.397 | #N/A  | #N/A  | 0        | -0.28343 | 0.333333 |
| P42166 | Lamina-associated polypeptide 2, isoform alpha OS=Homo sapiens GN=TMPO PE=1 SV=2                                     | 3.385 | 4.561 | 3.32  | 0.688035 | -0.17742 | 1        |
| P09211 | Glutathione S-transferase P OS=Homo sapiens GN=GSTP1 PE=1 SV=2                                                       | 3.373 | 2.654 | 3.974 | 0.705531 | -0.28593 | 2.666667 |
| P13010 | X-ray repair cross-complementing protein 5 OS=Homo sapiens GN=XRCC5 PE=1 SV=3                                        | 3.373 | #N/A  | 3.341 | 1.3232   | -0.271   | 0.666667 |
| Q12906 | Interleukin enhancer-binding factor 3 OS=Homo sapiens GN=ILF3 PE=1 SV=3                                              | 3.35  | #N/A  | #N/A  | 0        | -0.29877 | 0.333333 |
| Q6P1A2 | Lysophospholipid acyltransferase 5 OS=Homo sapiens GN=LPCAT3 PE=1 SV=1                                               | 3.345 | 4.604 | 3.283 | 0.651567 | -0.18202 | 1        |
| P67809 | Nuclease-sensitive element-binding protein 1 OS=Homo sapiens GN=YBX1 PE=1 SV=3                                       | 3.342 | 1.935 | 2.827 | 1.18283  | -0.49655 | 1        |
| P27797 | Calreticulin OS=Homo sapiens GN=CALR PE=1 SV=1                                                                       | 3.317 | #N/A  | 2.933 | 1.10449  | -0.3534  | 1        |
| Q9NZ01 | Very-long-chain enoyl-CoA reductase OS=Homo sapiens GN=TECR PE=1 SV=1                                                | 3.302 | 2.034 | 2.086 | 1.31222  | -0.57998 | 1        |
| P61247 | 40S ribosomal protein S3a OS=Homo sapiens GN=RPS3A PE=1 SV=2                                                         | 3.301 | 4.294 | #N/A  | 0.430369 | -0.18966 | 0.666667 |
| P78371 | T-complex protein 1 subunit beta OS=Homo sapiens GN=CTCT2 PE=1 SV=4                                                  | 3.295 | 2.379 | 2.528 | 1.48421  | -0.49427 | 2.333333 |

|        |                                                                                                   |       |       |       |          |          |          |
|--------|---------------------------------------------------------------------------------------------------|-------|-------|-------|----------|----------|----------|
| Q8TEM1 | Nuclear pore membrane glycoprotein 210 OS=Homo sapiens GN=NUP210 PE=1 SV=3                        | 3.287 | 2.465 | 2.559 | 1.53761  | -0.48307 | 1.333333 |
| P53396 | ATP-citrate synthase OS=Homo sapiens GN=ACLY PE=1 SV=3                                            | 3.246 | 3.864 | 1.773 | 0.847298 | -0.44554 | 1.666667 |
| P31939 | Bifunctional purine biosynthesis protein PURH OS=Homo sapiens GN=ATIC PE=1 SV=3                   | 3.222 | 3.535 | 2.307 | 1.24212  | -0.41622 | 1.666667 |
| O60814 | Histone H2B type 1-K OS=Homo sapiens GN=HIST1H2BK PE=1 SV=3                                       | 3.205 | 2.733 | 2.415 | 1.68038  | -0.48316 | 3.333333 |
| P04908 | Histone H2A type 1-B/E OS=Homo sapiens GN=HIST1H2AB PE=1 SV=2                                     | 3.19  | 2.232 | 2.283 | 1.5031   | -0.54932 | 1.666667 |
| P00441 | Superoxide dismutase [Cu-Zn] OS=Homo sapiens GN=SOD1 PE=1 SV=2                                    | 3.168 | 2.455 | 2.623 | 1.69229  | -0.48932 | 1        |
| P25789 | Proteasome subunit alpha type-4 OS=Homo sapiens GN=PSMA4 PE=1 SV=1                                | 3.161 | #N/A  | 0.806 | 0.510907 | -0.76081 | 0.333333 |
| Q9Y4L1 | Hypoxia up-regulated protein 1 OS=Homo sapiens GN=HYOU1 PE=1 SV=1                                 | 3.16  | #N/A  | #N/A  | 0        | -0.36078 | 0.333333 |
| Q02878 | 60S ribosomal protein L6 OS=Homo sapiens GN=RPL6 PE=1 SV=3                                        | 3.158 | 3.301 | 3.001 | 3.65592  | -0.36287 | 5.333333 |
| Q14980 | Nuclear mitotic apparatus protein 1 OS=Homo sapiens GN=NUMA1 PE=1 SV=2                            | 3.157 | 3.152 | #N/A  | 1.52007  | -0.37978 | 1.333333 |
| Q14534 | Squalene monooxygenase OS=Homo sapiens GN=SQLE PE=1 SV=3                                          | 3.142 | #N/A  | 3.962 | 0.344875 | -0.19718 | 0.666667 |
| Q06830 | Peroxiredoxin-1 OS=Homo sapiens GN=PRDX1 PE=1 SV=1                                                | 3.101 | 2.9   | 2.733 | 2.33398  | -0.44016 | 3.333333 |
| P62280 | 40S ribosomal protein S11 OS=Homo sapiens GN=RPS11 PE=1 SV=3                                      | 3.098 | 3.357 | 3.861 | 0.923152 | -0.26099 | 1.666667 |
| P01023 | Alpha-2-macroglobulin OS=Homo sapiens GN=A2M PE=1 SV=3                                            | 3.088 | 6.498 | #N/A  | 0.058878 | 0.097167 | 0.666667 |
| P01733 | T-cell receptor beta chain V region YT35 OS=Homo sapiens GN=TRBV12-3 PE=1 SV=1                    | 3.06  | 2.947 | 2.774 | 2.63913  | -0.43514 | 1        |
| P37802 | Transgelin-2 OS=Homo sapiens GN=TAGLN2 PE=1 SV=3                                                  | 3.057 | #N/A  | #N/A  | 0        | -0.39439 | 0.333333 |
| P06748 | Nucleophosmin OS=Homo sapiens GN=NPM1 PE=1 SV=2                                                   | 3.044 | 2.784 | 3.42  | 1.34652  | -0.3754  | 4        |
| P50897 | Palmitoyl-protein thioesterase 1 OS=Homo sapiens GN=PPT1 PE=1 SV=1                                | 3.031 | 3.441 | 2.621 | 1.72906  | -0.40856 | 1.666667 |
| P11021 | 78 kDa glucose-regulated protein OS=Homo sapiens GN=HSPA5 PE=1 SV=2                               | 3.018 | 4.277 | 2.95  | 0.923613 | -0.28927 | 3.333333 |
| O75643 | U5 small nuclear ribonucleoprotein 200 kDa helicase OS=Homo sapiens GN=SNRNP200 PE=1 SV=2         | 3.011 | #N/A  | #N/A  | 0        | -0.4094  | 0.333333 |
| O15355 | Protein phosphatase 1G OS=Homo sapiens GN=PPM1G PE=1 SV=1                                         | 2.978 | #N/A  | #N/A  | 0        | -0.42017 | 0.333333 |
| P46781 | 40S ribosomal protein S9 OS=Homo sapiens GN=RPS9 PE=1 SV=3                                        | 2.967 | 2.638 | 2.486 | 2.15027  | -0.50979 | 5        |
| P05388 | 60S acidic ribosomal protein P0 OS=Homo sapiens GN=RPLP0 PE=1 SV=1                                | 2.955 | 3.129 | #N/A  | 1.7517   | -0.4161  | 1        |
| O94919 | Endonuclease domain-containing 1 protein OS=Homo sapiens GN=ENDOD1 PE=1 SV=2                      | 2.949 | 8.5   | 2.698 | 0.050214 | 0.08384  | 1        |
| P13473 | Lysosome-associated membrane glycoprotein 2 OS=Homo sapiens GN=LAMP2 PE=1 SV=2                    | 2.933 | #N/A  | 2.158 | 0.866742 | -0.55523 | 0.666667 |
| P35613 | Basigin OS=Homo sapiens GN=BSG PE=1 SV=2                                                          | 2.925 | #N/A  | #N/A  | 0        | -0.43747 | 0.333333 |
| Q53GQ0 | Very-long-chain 3-oxoacyl-CoA reductase OS=Homo sapiens GN=HSD17B12 PE=1 SV=2                     | 2.924 | 4.143 | 3.172 | 1.01577  | -0.28595 | 1.333333 |
| Q9H490 | Phosphatidylinositol glycan anchor biosynthesis class U protein OS=Homo sapiens GN=PIGU PE=1 SV=3 | 2.902 | 2.194 | 3.42  | 1.11807  | -0.44824 | 2        |
| P62854 | 40S ribosomal protein S26 OS=Homo sapiens GN=RPS26 PE=1 SV=3                                      | 2.879 | 3.861 | 3.752 | 0.850413 | -0.24884 | 1.333333 |
| O43390 | Heterogeneous nuclear ribonucleoprotein R OS=Homo sapiens GN=HNRNPR PE=1 SV=1                     | 2.865 | 3.325 | 4.015 | 0.73905  | -0.27102 | 1.333333 |
| P47914 | 60S ribosomal protein L29 OS=Homo sapiens GN=RPL29 PE=1 SV=2                                      | 2.83  | 2.485 | 2.308 | 2.15862  | -0.56089 | 2        |
| Q13247 | Serine/arginine-rich splicing factor 6 OS=Homo sapiens GN=SRSF6 PE=1 SV=2                         | 2.823 | 3.205 | #N/A  | 1.18212  | -0.42655 | 1.666667 |
| Q9BVK6 | Transmembrane emp24 domain-containing protein 9 OS=Homo sapiens GN=TMED9 PE=1 SV=2                | 2.816 | #N/A  | #N/A  | 0        | -0.47305 | 0.333333 |
| P46779 | 60S ribosomal protein L28 OS=Homo sapiens GN=RPL28 PE=1 SV=3                                      | 2.813 | 2.883 | 2.692 | 4.41674  | -0.47805 | 1.666667 |
| P50914 | 60S ribosomal protein L14 OS=Homo sapiens GN=RPL14 PE=1 SV=4                                      | 2.802 | 3.227 | #N/A  | 1.12209  | -0.42677 | 0.666667 |
| Q8N8N7 | Prostaglandin reductase 2 OS=Homo sapiens GN=PTGR2 PE=1 SV=1                                      | 2.793 | 6.409 | 3.795 | 0.005336 | -0.0052  | 1        |
| Q9NZ45 | CDGSH iron-sulfur domain-containing protein 1 OS=Homo sapiens GN=CISD1 PE=1 SV=1                  | 2.781 | #N/A  | 2.698 | 2.73335  | -0.48307 | 0.666667 |
| P62910 | 60S ribosomal protein L32 OS=Homo sapiens GN=RPL32 PE=1 SV=2                                      | 2.779 | 2.339 | 1.382 | 1.42279  | -0.69149 | 2        |
| P04075 | Fructose-bisphosphate aldolase A OS=Homo sapiens GN=ALDOA PE=1 SV=2                               | 2.778 | 2.759 | 2.919 | 2.30027  | -0.46674 | 3.666667 |
| P31151 | Protein S100-A7 OS=Homo sapiens GN=S100A7 PE=1 SV=4                                               | 2.747 | 2.525 | 2.127 | 2.05866  | -0.58769 | 1.333333 |
| P63241 | Eukaryotic translation initiation factor 5A-1 OS=Homo sapiens GN=EIF5A PE=1 SV=2                  | 2.74  | 3.382 | 3.312 | 1.45076  | -0.36323 | 1.333333 |
| P62913 | 60S ribosomal protein L11 OS=Homo sapiens GN=RPL11 PE=1 SV=2                                      | 2.707 | 2.243 | 2.489 | 2.20662  | -0.57614 | 1.666667 |
| P25311 | Zinc-alpha-2-glycoprotein OS=Homo sapiens GN=AZGP1 PE=1 SV=2                                      | 2.697 | #N/A  | #N/A  | 0        | -0.51188 | 0.333333 |

|        |                                                                                                                       |       |       |       |          |          |          |
|--------|-----------------------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|----------|----------|
| P08133 | Annexin A6 OS=Homo sapiens GN=ANXA6 PE=1 SV=3                                                                         | 2.697 | #N/A  | 2.981 | 1.02947  | -0.44596 | 0.666667 |
| P62304 | Small nuclear ribonucleoprotein E OS=Homo sapiens GN=SNRPE PE=1 SV=1                                                  | 2.671 | #N/A  | 3.127 | 0.846759 | -0.42398 | 0.666667 |
| Q99805 | Transmembrane 9 superfamily member 2 OS=Homo sapiens GN=TM9SF2 PE=1 SV=1                                              | 2.668 | #N/A  | 3.396 | 0.629869 | -0.37617 | 0.666667 |
| P30154 | Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform OS=Homo sapiens GN=PPP2R1B PE=1 SV=3 | 2.657 | 2.925 | 2.484 | 2.54354  | -0.51584 | 1        |
| P18669 | Phosphoglycerate mutase 1 OS=Homo sapiens GN=PGAM1 PE=1 SV=2                                                          | 2.652 | 2.575 | 2.417 | 3.05294  | -0.55845 | 1        |
| Q92945 | Far upstream element-binding protein 2 OS=Homo sapiens GN=KHSRP PE=1 SV=4                                             | 2.648 | 7.354 | 4.531 | 0.140282 | 0.159058 | 1.666667 |
| P62805 | Histone H4 OS=Homo sapiens GN=HIST1H4A PE=1 SV=2                                                                      | 2.624 | 2.604 | 2.418 | 3.23805  | -0.55855 | 5        |
| P22314 | Ubiquitin-like modifier-activating enzyme 1 OS=Homo sapiens GN=UBA1 PE=1 SV=3                                         | 2.624 | 2.586 | 3.368 | 1.30664  | -0.44657 | 3        |
| Q6KB66 | Keratin, type II cytoskeletal 80 OS=Homo sapiens GN=KRT80 PE=1 SV=2                                                   | 2.611 | 1.421 | 1.726 | 1.68272  | -0.75788 | 1.333333 |
| P50395 | Rab GDP dissociation inhibitor beta OS=Homo sapiens GN=GDI2 PE=1 SV=2                                                 | 2.598 | 3.908 | #N/A  | 0.523455 | -0.3607  | 1.333333 |
| Q14974 | Importin subunit beta-1 OS=Homo sapiens GN=KPNB1 PE=1 SV=2                                                            | 2.581 | 2.491 | 2.702 | 2.45058  | -0.54022 | 1.666667 |
| P43243 | Matrin-3 OS=Homo sapiens GN=MATR3 PE=1 SV=2                                                                           | 2.57  | 2.835 | 3.231 | 1.5175   | -0.44463 | 1        |
| P15531 | Nucleoside diphosphate kinase A OS=Homo sapiens GN=NME1 PE=1 SV=1                                                     | 2.563 | 3.189 | 2.606 | 1.96861  | -0.48578 | 1.666667 |
| Q01518 | Adenylyl cyclase-associated protein 1 OS=Homo sapiens GN=CAP1 PE=1 SV=5                                               | 2.555 | 2.682 | 2.851 | 2.19819  | -0.50664 | 2        |
| P10412 | Histone H1.4 OS=Homo sapiens GN=HIST1H1E PE=1 SV=2                                                                    | 2.526 | #N/A  | 2.181 | 1.29026  | -0.61752 | 3.333333 |
| P52209 | 6-phosphogluconate dehydrogenase, decarboxylating OS=Homo sapiens GN=PGD PE=1 SV=3                                    | 2.525 | #N/A  | #N/A  | 0        | -0.56802 | 0.333333 |
| P37198 | Nuclear pore glycoprotein p62 OS=Homo sapiens GN=NUP62 PE=1 SV=3                                                      | 2.521 | #N/A  | #N/A  | 0        | -0.56932 | 0.333333 |
| P25705 | ATP synthase subunit alpha, mitochondrial OS=Homo sapiens GN=ATP5A1 PE=1 SV=1                                         | 2.518 | 3.202 | 3.744 | 0.920384 | -0.35317 | 6.333333 |
| P05165 | Propionyl-CoA carboxylase alpha chain, mitochondrial OS=Homo sapiens GN=PCCA PE=1 SV=4                                | 2.497 | 2.441 | 1.849 | 2.0066   | -0.65634 | 9.333333 |
| P05386 | 60S acidic ribosomal protein P1 OS=Homo sapiens GN=RPLP1 PE=1 SV=1                                                    | 2.481 | 2.904 | 2.553 | 2.42562  | -0.52877 | 1        |
| O00410 | Importin-5 OS=Homo sapiens GN=IPO5 PE=1 SV=4                                                                          | 2.477 | 4.12  | 2.403 | 0.952009 | -0.42888 | 2        |
| Q96RQ3 | Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial OS=Homo sapiens GN=MCCC1 PE=1 SV=3                       | 2.464 | 1.961 | 2.172 | 2.33712  | -0.66795 | 7.333333 |
| Q14028 | Cyclic nucleotide-gated cation channel beta-1 OS=Homo sapiens GN=CNGB1 PE=1 SV=2                                      | 2.444 | #N/A  | #N/A  | 0        | -0.59445 | 0.333333 |
| Q07020 | 60S ribosomal protein L18 OS=Homo sapiens GN=RPL18 PE=1 SV=2                                                          | 2.409 | 2.254 | 2.28  | 3.21699  | -0.63251 | 4        |
| Q9Y584 | Mitochondrial import inner membrane translocase subunit Tim22 OS=Homo sapiens GN=TIMM22 PE=1 SV=2                     | 2.407 | 2.624 | 2.932 | 1.8467   | -0.51868 | 1        |
| P18124 | 60S ribosomal protein L7 OS=Homo sapiens GN=RPL7 PE=1 SV=1                                                            | 2.392 | 2.62  | 2.173 | 2.51648  | -0.61157 | 1.666667 |
| P52565 | Rho GDP-dissociation inhibitor 1 OS=Homo sapiens GN=ARHGDI1 PE=1 SV=3                                                 | 2.367 | #N/A  | #N/A  | 0        | -0.61958 | 0.333333 |
| Q08211 | ATP-dependent RNA helicase A OS=Homo sapiens GN=DHX9 PE=1 SV=4                                                        | 2.36  | 2.151 | 1.247 | 1.65094  | -0.77152 | 2        |
| P08865 | 40S ribosomal protein SA OS=Homo sapiens GN=RPSA PE=1 SV=4                                                            | 2.354 | 2.464 | 3.217 | 1.38838  | -0.50589 | 1.333333 |
| P07237 | Protein disulfide-isomerase OS=Homo sapiens GN=P4HB PE=1 SV=3                                                         | 2.344 | 3.028 | 4.42  | 0.506905 | -0.3081  | 2        |
| P06702 | Protein S100-A9 OS=Homo sapiens GN=S100A9 PE=1 SV=1                                                                   | 2.333 | 1.757 | 2.026 | 2.31378  | -0.71953 | 2.666667 |
| P49207 | 60S ribosomal protein L34 OS=Homo sapiens GN=RPL34 PE=1 SV=3                                                          | 2.325 | 2.98  | 2.519 | 2.01794  | -0.54241 | 2.333333 |
| P62899 | 60S ribosomal protein L31 OS=Homo sapiens GN=RPL31 PE=1 SV=1                                                          | 2.297 | 1.664 | 2.257 | 2.09452  | -0.70484 | 1        |
| P26373 | 60S ribosomal protein L13 OS=Homo sapiens GN=RPL13 PE=1 SV=4                                                          | 2.283 | 2.403 | 2.54  | 2.53996  | -0.6006  | 4        |
| Q8IXU6 | Solute carrier family 35 member F2 OS=Homo sapiens GN=SLC35F2 PE=1 SV=1                                               | 2.275 | 2.922 | #N/A  | 0.980712 | -0.55727 | 0.666667 |
| P60174 | Triosephosphate isomerase OS=Homo sapiens GN=TP11 PE=1 SV=3                                                           | 2.247 | 1.75  | 2.671 | 1.7219   | -0.65235 | 1.333333 |
| P41252 | Isoleucine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=IARS PE=1 SV=2                                                | 2.233 | #N/A  | #N/A  | 0        | -0.66332 | 0.333333 |
| P05109 | Protein S100-A8 OS=Homo sapiens GN=S100A8 PE=1 SV=1                                                                   | 2.198 | 2.278 | 1.832 | 2.42553  | -0.70676 | 1.333333 |
| P40429 | 60S ribosomal protein L13a OS=Homo sapiens GN=RPL13A PE=1 SV=2                                                        | 2.191 | 2.069 | 1.97  | 3.14155  | -0.71133 | 2.333333 |
| P52597 | Heterogeneous nuclear ribonucleoprotein F OS=Homo sapiens GN=HNRNPF PE=1 SV=3                                         | 2.175 | 2.448 | 3.438 | 1.13171  | -0.50046 | 2.333333 |
| Q13085 | Acetyl-CoA carboxylase 1 OS=Homo sapiens GN=ACACA PE=1 SV=2                                                           | 2.173 | 2.039 | 1.915 | 2.99195  | -0.72279 | 48       |
| P15880 | 40S ribosomal protein S2 OS=Homo sapiens GN=RPS2 PE=1 SV=2                                                            | 2.136 | 2.002 | 2.692 | 1.83878  | -0.6374  | 3        |

|        |                                                                                                            |       |       |       |          |          |          |
|--------|------------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|----------|----------|
| Q99832 | T-complex protein 1 subunit eta OS=Homo sapiens GN=CCT7 PE=1 SV=2                                          | 2.123 | 3.325 | 3.375 | 1.04018  | -0.42836 | 1.666667 |
| Q10567 | AP-1 complex subunit beta-1 OS=Homo sapiens GN=APIB1 PE=1 SV=2                                             | 2.118 | #N/A  | #N/A  | 0        | -0.70085 | 0.333333 |
| P61313 | 60S ribosomal protein L15 OS=Homo sapiens GN=RPL15 PE=1 SV=2                                               | 2.111 | #N/A  | 2.006 | 1.92022  | -0.71666 | 0.666667 |
| P11498 | Pyruvate carboxylase, mitochondrial OS=Homo sapiens GN=PC PE=1 SV=2                                        | 2.11  | 2.228 | 2.043 | 3.34698  | -0.69594 | 14.66667 |
| P62701 | 40S ribosomal protein S4, X isoform OS=Homo sapiens GN=RPS4X PE=1 SV=2                                     | 2.107 | #N/A  | 2.009 | 1.96031  | -0.71678 | 0.666667 |
| Q4V328 | GRIP1-associated protein 1 OS=Homo sapiens GN=GRIPAP1 PE=1 SV=1                                            | 2.079 | #N/A  | #N/A  | 0        | -0.71358 | 0.333333 |
| P32119 | Peroxisomal protein 2 OS=Homo sapiens GN=PRDX2 PE=1 SV=5                                                   | 2.066 | #N/A  | 1.778 | 1.40702  | -0.76495 | 0.666667 |
| Q00534 | Cyclin-dependent kinase 6 OS=Homo sapiens GN=CDK6 PE=1 SV=1                                                | 2.051 | 1.679 | 1.706 | 2.67134  | -0.7961  | 1        |
| P05089 | Arginase-1 OS=Homo sapiens GN=ARG1 PE=1 SV=2                                                               | 2.043 | #N/A  | 1.43  | 1.0934   | -0.83119 | 0.666667 |
| P62241 | 40S ribosomal protein S8 OS=Homo sapiens GN=RPS8 PE=1 SV=2                                                 | 2.029 | 3.407 | 2.272 | 1.35219  | -0.56265 | 3        |
| P36578 | 60S ribosomal protein L4 OS=Homo sapiens GN=RPL4 PE=1 SV=5                                                 | 2.004 | 4.612 | 2.84  | 0.638534 | -0.38016 | 3.333333 |
| Q08554 | Desmocollin-1 OS=Homo sapiens GN=DSC1 PE=1 SV=2                                                            | 1.983 | 2.143 | 2.237 | 2.78348  | -0.6948  | 1        |
| Q99698 | Lysosomal-trafficking regulator OS=Homo sapiens GN=LYST PE=1 SV=3                                          | 1.966 | #N/A  | 1.732 | 1.50199  | -0.78953 | 0.333333 |
| Q12905 | Interleukin enhancer-binding factor 2 OS=Homo sapiens GN=ILF2 PE=1 SV=2                                    | 1.933 | 2.554 | 2.857 | 1.57603  | -0.58603 | 1        |
| P11279 | Lysosome-associated membrane glycoprotein 1 OS=Homo sapiens GN=LAMP1 PE=1 SV=3                             | 1.913 | 3.133 | #N/A  | 0.716596 | -0.58555 | 0.666667 |
| Q00610 | Clathrin heavy chain 1 OS=Homo sapiens GN=CLTC PE=1 SV=5                                                   | 1.889 | 3.562 | 3.505 | 0.824051 | -0.4152  | 3        |
| P04083 | Annexin A1 OS=Homo sapiens GN=ANXA1 PE=1 SV=2                                                              | 1.887 | 1.522 | 1.901 | 2.75369  | -0.80587 | 2.333333 |
| Q8TAA3 | Proteasome subunit alpha type-7-like OS=Homo sapiens GN=PSMA8 PE=2 SV=3                                    | 1.839 | #N/A  | #N/A  | 0        | -0.79191 | 0.333333 |
| O60831 | PRA1 family protein 2 OS=Homo sapiens GN=PRAF2 PE=1 SV=1                                                   | 1.832 | 1.37  | 1.476 | 2.64831  | -0.87752 | 1        |
| P06576 | ATP synthase subunit beta, mitochondrial OS=Homo sapiens GN=ATP5B PE=1 SV=3                                | 1.831 | #N/A  | 1.556 | 1.43547  | -0.84316 | 0.666667 |
| P10599 | Thioredoxin OS=Homo sapiens GN=TXN PE=1 SV=3                                                               | 1.823 | 1.426 | 1.526 | 2.78978  | -0.86706 | 1.666667 |
| Q02413 | Desmoglein-1 OS=Homo sapiens GN=DSG1 PE=1 SV=2                                                             | 1.819 | 1.505 | 1.483 | 2.78264  | -0.86496 | 2.666667 |
| P04843 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 OS=Homo sapiens GN=RPNI PE=1 SV=1 | 1.811 | #N/A  | 4.393 | 0.221729 | -0.33698 | 1        |
| P29508 | Serpin B3 OS=Homo sapiens GN=SERPINB3 PE=1 SV=2                                                            | 1.787 | #N/A  | #N/A  | 0        | -0.80888 | 0.333333 |
| P61204 | ADP-ribosylation factor 3 OS=Homo sapiens GN=ARF3 PE=1 SV=2                                                | 1.765 | 2.272 | #N/A  | 1.15733  | -0.73533 | 0.666667 |
| P31944 | Caspase-14 OS=Homo sapiens GN=CASP14 PE=1 SV=2                                                             | 1.764 | #N/A  | 1.926 | 1.63432  | -0.78765 | 2.333333 |
| P13646 | Keratin, type I cytoskeletal 13 OS=Homo sapiens GN=KRT13 PE=1 SV=4                                         | 1.759 | 1.668 | 1.814 | 3.89496  | -0.81601 | 4        |
| Q9Y3U8 | 60S ribosomal protein L36 OS=Homo sapiens GN=RPL36 PE=1 SV=3                                               | 1.743 | 2.562 | 1.505 | 1.76433  | -0.76778 | 1        |
| P39210 | Protein Mpv17 OS=Homo sapiens GN=MPV17 PE=1 SV=1                                                           | 1.739 | #N/A  | #N/A  | 0        | -0.82454 | 0.333333 |
| Q04695 | Keratin, type I cytoskeletal 17 OS=Homo sapiens GN=KRT17 PE=1 SV=2                                         | 1.725 | 2.428 | 1.638 | 1.97599  | -0.76685 | 3.333333 |
| Q9BSJ8 | Extended synaptotagmin-1 OS=Homo sapiens GN=ESYT1 PE=1 SV=1                                                | 1.682 | 1.877 | #N/A  | 1.53912  | -0.80651 | 0.666667 |
| P31025 | Lipocalin-1 OS=Homo sapiens GN=LCN1 PE=1 SV=1                                                              | 1.662 | 1.437 | 1.432 | 3.10525  | -0.89476 | 1        |
| P08779 | Keratin, type I cytoskeletal 16 OS=Homo sapiens GN=KRT16 PE=1 SV=4                                         | 1.631 | 1.002 | 1.358 | 2.58976  | -0.94931 | 10       |
| Q9BT22 | Chitobiosyldiphosphodolichol beta-mannosyltransferase OS=Homo sapiens GN=ALG1 PE=1 SV=2                    | 1.625 | 1.372 | 1.752 | 2.98913  | -0.8668  | 1        |
| Q8N1N4 | Keratin, type II cytoskeletal 78 OS=Homo sapiens GN=KRT78 PE=2 SV=2                                        | 1.572 | 1.97  | 1.365 | 2.26771  | -0.86073 | 3        |
| P19013 | Keratin, type II cytoskeletal 4 OS=Homo sapiens GN=KRT4 PE=1 SV=4                                          | 1.551 | 1.212 | 1.404 | 3.19216  | -0.93208 | 1.333333 |
| Q7Z794 | Keratin, type II cytoskeletal 1b OS=Homo sapiens GN=KRT77 PE=2 SV=3                                        | 1.543 | 1.518 | 1.372 | 3.09411  | -0.90701 | 4.333333 |
| Q15517 | Corneodesmosin OS=Homo sapiens GN=CDSN PE=1 SV=3                                                           | 1.447 | #N/A  | 1.522 | 2.25783  | -0.91193 | 0.666667 |
| P61626 | Lysozyme C OS=Homo sapiens GN=LYZ PE=1 SV=1                                                                | 1.446 | 2.169 | 2.642 | 1.54552  | -0.7022  | 1        |
| Q01469 | Fatty acid-binding protein, epidermal OS=Homo sapiens GN=FABP5 PE=1 SV=3                                   | 1.363 | 1.526 | #N/A  | 1.58152  | -0.90978 | 0.666667 |
| Q9UL46 | Proteasome activator complex subunit 2 OS=Homo sapiens GN=PSME2 PE=1 SV=4                                  | 1.346 | 1.321 | #N/A  | 2.15583  | -0.94246 | 0.666667 |
| P15924 | Desmoplakin OS=Homo sapiens GN=DSP PE=1 SV=3                                                               | 1.33  | 1.177 | 1.345 | 4.6301   | -0.96659 | 13.66667 |
| P04259 | Keratin, type II cytoskeletal 6B OS=Homo sapiens GN=KRT6B PE=1 SV=5                                        | 1.321 | 1.123 | 1.469 | 3.38937  | -0.95797 | 1.333333 |
| P14923 | Junction plakoglobin OS=Homo sapiens GN=JUP PE=1 SV=3                                                      | 1.265 | 1.956 | 1.46  | 2.20284  | -0.88412 | 4        |

|        |                                                                             |       |       |       |         |          |          |
|--------|-----------------------------------------------------------------------------|-------|-------|-------|---------|----------|----------|
| P02538 | Keratin, type II cytoskeletal 6A OS=Homo sapiens GN=KRT6A PE=1 SV=3         | 1.254 | 1.168 | 1.007 | 2.89176 | -1.01619 | 3.666667 |
| P02533 | Keratin, type I cytoskeletal 14 OS=Homo sapiens GN=KRT14 PE=1 SV=4          | 1.144 | 1.095 | 0.909 | 2.85758 | -1.04699 | 6.666667 |
| P13647 | Keratin, type II cytoskeletal 5 OS=Homo sapiens GN=KRT5 PE=1 SV=3           | 0.912 | 0.935 | 0.801 | 3.01429 | -1.10072 | 14       |
| P81605 | Dermcidin OS=Homo sapiens GN=DCD PE=1 SV=2                                  | 0.842 | 0.787 | 0.761 | 3.2646  | -1.12752 | 6        |
| P35908 | Keratin, type II cytoskeletal 2 epidermal OS=Homo sapiens GN=KRT2 PE=1 SV=2 | 0.805 | 0.777 | 0.696 | 3.09979 | -1.1403  | 28.66667 |
| Q86Y46 | Keratin, type II cytoskeletal 73 OS=Homo sapiens GN=KRT73 PE=1 SV=1         | 0.756 | 0.873 | 0.944 | 3.32975 | -1.10661 | 1        |
| P35527 | Keratin, type I cytoskeletal 9 OS=Homo sapiens GN=KRT9 PE=1 SV=3            | 0.675 | 0.675 | 0.589 | 3.07156 | -1.17718 | 29       |
| P13645 | Keratin, type I cytoskeletal 10 OS=Homo sapiens GN=KRT10 PE=1 SV=6          | 0.672 | 0.667 | 0.6   | 3.11956 | -1.17697 | 28.66667 |
| P04264 | Keratin, type II cytoskeletal 1 OS=Homo sapiens GN=KRT1 PE=1 SV=6           | 0.656 | 0.639 | 0.631 | 3.28579 | -1.17772 | 38.66667 |

**Table S2.** Quantitative proteomic profiling of the competitive experiments in Jurkat.

| Accession | Description                                                                                                     | Abundance Ratio (128/129) |             |             | -Log <sub>10</sub><br>(p-value) | Log <sub>2</sub> -(LK<br>2-P1/LRR<br>K2-IN-1) | Average<br>unique peptide | Significant &<br>Log <sub>2</sub> (enrichment) >2 |
|-----------|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------|-------------|---------------------------------|-----------------------------------------------|---------------------------|---------------------------------------------------|
|           |                                                                                                                 | Replicate 1               | Replicate 2 | Replicate 3 |                                 |                                               |                           |                                                   |
| P12004    | Proliferating cell nuclear antigen OS=Homo sapiens GN=PCNA PE=1 SV=1                                            | 8.148                     | 9.217       | 9.384       | 2.11461                         | 6.45973                                       | 13                        | +                                                 |
| P00813    | Adenosine deaminase OS=Homo sapiens GN=ADA PE=1 SV=3                                                            | 6.036                     | 5.68        | 3.55        | 1.31266                         | 3.52375                                       | 7.333333333               |                                                   |
| P02647    | Apolipoprotein A-I OS=Homo sapiens GN=APOA1 PE=1 SV=1                                                           | 5.84                      | #N/A        | 3.861       | 0.734946                        | 3.39056                                       | 17                        |                                                   |
| Q9NS69    | Mitochondrial import receptor subunit TOM22 homolog OS=Homo sapiens GN=TOMM22 PE=1 SV=3                         | 5.879                     | 4.711       | 3.718       | 1.36861                         | 3.15197                                       | 13                        | +                                                 |
| O75947    | ATP synthase subunit d, mitochondrial OS=Homo sapiens GN=ATP5H PE=1 SV=3                                        | 4.044                     | 6.147       | 2.829       | 0.865723                        | 2.52715                                       | 14.33333333               |                                                   |
| Q15392    | Delta(24)-sterol reductase OS=Homo sapiens GN=DHCR24 PE=1 SV=2                                                  | 4.571                     | 3.796       | #N/A        | 0.845824                        | 2.25444                                       | 5                         |                                                   |
| Q9BQE5    | Apolipoprotein L2 OS=Homo sapiens GN=APOL2 PE=1 SV=1                                                            | 4.314                     | 3.785       | 3.719       | 2.02212                         | 2.11815                                       | 2                         | +                                                 |
| P24539    | ATP synthase F(0) complex subunit B1, mitochondrial OS=Homo sapiens GN=ATP5F1 PE=1 SV=2                         | 4.553                     | 3.763       | 3.432       | 1.60911                         | 2.08195                                       | 7.666666667               | +                                                 |
| Q13011    | Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial OS=Homo sapiens GN=ECH1 PE=1 SV=2                    | 3.478                     | 4.674       | 3.615       | 1.43244                         | 2.06201                                       | 1                         | +                                                 |
| P14406    | Cytochrome c oxidase subunit 7A2, mitochondrial OS=Homo sapiens GN=COX7A2 PE=1 SV=1                             | 3.335                     | 4.182       | 3.406       | 1.54809                         | 1.71285                                       | 3.666666667               |                                                   |
| P19013    | Keratin, type II cytoskeletal 4 OS=Homo sapiens GN=KRT4 PE=1 SV=4                                               | 3.487                     | 3.891       | 3.462       | 2.06784                         | 1.68905                                       | 5.333333333               |                                                   |
| P01023    | Alpha-2-macroglobulin OS=Homo sapiens GN=A2M PE=1 SV=3                                                          | 4.386                     | 3.024       | #N/A        | 0.525843                        | 1.68071                                       | 0.666666667               |                                                   |
| O75964    | ATP synthase subunit g, mitochondrial OS=Homo sapiens GN=ATP5L PE=1 SV=3                                        | 4.698                     | 3.213       | 2.771       | 0.885938                        | 1.62874                                       | 1                         |                                                   |
| O14979    | Heterogeneous nuclear ribonucleoprotein D-like OS=Homo sapiens GN=HNRNPDL PE=1 SV=3                             | 3.273                     | 2.973       | 3.936       | 0.960047                        | 1.45143                                       | 8.666666667               |                                                   |
| Q8TCT9    | Minor histocompatibility antigen H13 OS=Homo sapiens GN=HM13 PE=1 SV=1                                          | 3.551                     | 3.396       | 3.082       | 2.76973                         | 1.34997                                       | 2                         |                                                   |
| Q9H6V9    | Lipid droplet-associated hydrolase OS=Homo sapiens GN=LDAH PE=1 SV=1                                            | 3.624                     | 3.655       | 2.743       | 1.53091                         | 1.32947                                       | 2                         |                                                   |
| Q8TB61    | Adenosine 3'-phospho 5'-phosphosulfate transporter 1 OS=Homo sapiens GN=SLC35B2 PE=1 SV=1                       | 3.981                     | 2.826       | #N/A        | 0.500405                        | 1.30376                                       | 1.666666667               |                                                   |
| P45880    | Voltage-dependent anion-selective channel protein 2 OS=Homo sapiens GN=VDAC2 PE=1 SV=2                          | 3.577                     | 3.318       | 2.982       | 2.19952                         | 1.2852                                        | 1.333333333               |                                                   |
| Q14739    | Lamin-B receptor OS=Homo sapiens GN=LBR PE=1 SV=2                                                               | 3.393                     | 3.369       | 3.087       | 3.29856                         | 1.27393                                       | 1.333333333               |                                                   |
| Q9Y5M8    | Signal recognition particle receptor subunit beta OS=Homo sapiens GN=SRPRB PE=1 SV=3                            | 3.121                     | 3.418       | 3.15        | 1.79508                         | 1.20516                                       | 5.333333333               |                                                   |
| P43307    | Translocon-associated protein subunit alpha OS=Homo sapiens GN=SSR1 PE=1 SV=3                                   | 3.263                     | 3.594       | 2.82        | 1.73976                         | 1.1857                                        | 4.666666667               |                                                   |
| Q5BJF2    | Transmembrane protein 97 OS=Homo sapiens GN=TMEM97 PE=1 SV=1                                                    | 2.986                     | 3.334       | 3.149       | 1.50508                         | 1.11387                                       | 1.666666667               |                                                   |
| P04234    | T-cell surface glycoprotein CD3 delta chain OS=Homo sapiens GN=CD3D PE=1 SV=1                                   | 3.042                     | 3.425       | 2.931       | 1.74445                         | 1.07489                                       | 3                         |                                                   |
| O43169    | Cytochrome b5 type B OS=Homo sapiens GN=CYB5B PE=1 SV=2                                                         | 3                         | 3.605       | 2.767       | 1.33385                         | 1.05333                                       | 3                         |                                                   |
| Q8TCJ2    | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B OS=Homo sapiens GN=STT3B PE=1 SV=1 | 3.491                     | 3.281       | 2.529       | 1.30135                         | 1.02868                                       | 1                         |                                                   |
| P00846    | ATP synthase subunit a OS=Homo sapiens GN=MT-ATP6 PE=1 SV=1                                                     | 3.455                     | 3.136       | 2.633       | 1.51228                         | 1.0034                                        | 7                         |                                                   |
| Q15629    | Translocating chain-associated membrane protein 1 OS=Homo sapiens GN=TRAM1 PE=1 SV=3                            | 3.535                     | 3.039       | 2.61        | 1.30518                         | 0.989166                                      | 1                         |                                                   |
| O95197    | Reticulon-3 OS=Homo sapiens GN=RTN3 PE=1 SV=2                                                                   | 3.033                     | 3.056       | 3.044       | 1.64841                         | 0.977273                                      | 1.666666667               |                                                   |
| P67812    | Signal peptidase complex catalytic subunit SEC11A OS=Homo sapiens GN=SEC11A PE=1 SV=1                           | 3.133                     | 3.016       | 2.979       | 1.91845                         | 0.974977                                      | 2.333333333               |                                                   |
| P09693    | T-cell surface glycoprotein CD3 gamma chain OS=Homo sapiens GN=CD3G PE=1 SV=1                                   | 3.453                     | 2.958       | 2.667       | 1.41501                         | 0.948028                                      | 0.666666667               |                                                   |
| P16615    | Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 OS=Homo sapiens GN=ATP2A2 PE=1 SV=1                         | 3.715                     | 3.106       | 2.257       | 0.800819                        | 0.932759                                      | 0.666666667               |                                                   |
| P51572    | B-cell receptor-associated protein 31 OS=Homo sapiens GN=BCAP31 PE=1 SV=3                                       | 3.305                     | 3.042       | 2.652       | 1.7752                          | 0.910812                                      | 2.666666667               |                                                   |
| Q9H3N1    | Thioredoxin-related transmembrane protein 1 OS=Homo sapiens GN=TMX1 PE=1 SV=1                                   | 3.284                     | 2.771       | 2.887       | 1.40195                         | 0.90179                                       | 2.333333333               |                                                   |
| P08670    | Vimentin OS=Homo sapiens GN=VIM PE=1 SV=4                                                                       | 3.188                     | 3.053       | 2.711       | 2.48662                         | 0.891717                                      | 2.666666667               |                                                   |
| Q8WY22    | BRI3-binding protein OS=Homo sapiens GN=BRI3BP PE=1 SV=1                                                        | 2.98                      | 3.078       | 2.855       | 2.03605                         | 0.87762                                       | 4.333333333               |                                                   |

|        |                                                                                                                 |       |       |       |          |          |             |
|--------|-----------------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|----------|-------------|
| O75844 | CAAX prenyl protease 1 homolog OS=Homo sapiens GN=ZMPSTE24 PE=1 SV=2                                            | 3.051 | 3.139 | 2.671 | 2.29517  | 0.84868  | 2.666666667 |
| P00403 | Cytochrome c oxidase subunit 2 OS=Homo sapiens GN=MT-CO2 PE=1 SV=1                                              | 2.683 | 2.486 | 3.58  | 0.551203 | 0.846145 | 2.666666667 |
| P37268 | Squalene synthase OS=Homo sapiens GN=FDFT1 PE=1 SV=1                                                            | 3.313 | 2.669 | 2.752 | 1.1969   | 0.813022 | 1.666666667 |
| P52272 | Heterogeneous nuclear ribonucleoprotein M OS=Homo sapiens GN=HNRNPM PE=1 SV=3                                   | 3.227 | 2.732 | 2.768 | 1.40219  | 0.808162 | 1.666666667 |
| Q96A26 | Protein FAM162A OS=Homo sapiens GN=FAM162A PE=1 SV=2                                                            | 3.503 | 2.846 | 2.362 | 0.888978 | 0.787349 | 5           |
| P21796 | Voltage-dependent anion-selective channel protein 1 OS=Homo sapiens GN=VDAC1 PE=1 SV=2                          | 3.112 | 2.939 | 2.645 | 2.32624  | 0.784491 | 3           |
| Q9UHG3 | Prenylcysteine oxidase 1 OS=Homo sapiens GN=PCYOX1 PE=1 SV=3                                                    | 2.936 | 2.989 | 2.76  | 2.18271  | 0.780792 | 1.666666667 |
| P48735 | Isocitrate dehydrogenase [NADP], mitochondrial OS=Homo sapiens GN=IDH2 PE=1 SV=2                                | 3.215 | 2.978 | 2.498 | 1.4928   | 0.777376 | 2.666666667 |
| P11940 | Polyadenylate-binding protein 1 OS=Homo sapiens GN=PABPC1 PE=1 SV=2                                             | 3.351 | #N/A  | 2.367 | 0.497253 | 0.776034 | 1.666666667 |
| O95470 | Sphingosine-1-phosphate lyase 1 OS=Homo sapiens GN=SGPL1 PE=1 SV=3                                              | 3.116 | #N/A  | 2.56  | 0.928346 | 0.756088 | 3.333333333 |
| P48201 | ATP synthase F(0) complex subunit C3, mitochondrial OS=Homo sapiens GN=ATP5G3 PE=2 SV=1                         | 2.859 | 3.011 | 2.744 | 1.83168  | 0.749194 | 0.333333333 |
| P16401 | Histone H1.5 OS=Homo sapiens GN=HIST1H1B PE=1 SV=3                                                              | 3.429 | 2.52  | 2.501 | 0.793296 | 0.690543 | 3           |
| O15173 | Membrane-associated progesterone receptor component 2 OS=Homo sapiens GN=PGRMC2 PE=1 SV=1                       | 3.235 | #N/A  | 2.349 | 0.512136 | 0.689251 | 2           |
| Q9Y277 | Voltage-dependent anion-selective channel protein 3 OS=Homo sapiens GN=VDAC3 PE=1 SV=1                          | 2.751 | 2.757 | 2.933 | 1.06029  | 0.68874  | 4.666666667 |
| O15118 | Niemann-Pick C1 protein OS=Homo sapiens GN=NPC1 PE=1 SV=2                                                       | 3.046 | 2.746 | 2.659 | 1.74691  | 0.686747 | 1.333333333 |
| Q5T9A4 | ATPase family AAA domain-containing protein 3B OS=Homo sapiens GN=ATAD3B PE=1 SV=1                              | 3.09  | #N/A  | 2.475 | 0.777981 | 0.681641 | 11          |
| P13073 | Cytochrome c oxidase subunit 4 isoform 1, mitochondrial OS=Homo sapiens GN=COX4I1 PE=1 SV=1                     | 2.993 | #N/A  | 2.524 | 1.07333  | 0.65258  | 5           |
| O43175 | D-3-phosphoglycerate dehydrogenase OS=Homo sapiens GN=PHGDH PE=1 SV=4                                           | 2.907 | #N/A  | 2.538 | 1.63088  | 0.606816 | 3           |
| P50990 | T-complex protein 1 subunit theta OS=Homo sapiens GN=CCT8 PE=1 SV=4                                             | 2.399 | 2.204 | 3.56  | 0.327489 | 0.60464  | 10.33333333 |
| Q8N511 | Transmembrane protein 199 OS=Homo sapiens GN=TMEM199 PE=1 SV=1                                                  | 3.08  | 2.127 | 2.974 | 0.534525 | 0.600835 | 1           |
| Q9H1E5 | Thioredoxin-related transmembrane protein 4 OS=Homo sapiens GN=TMX4 PE=1 SV=1                                   | 3.099 | 2.543 | #N/A  | 0.503902 | 0.570146 | 2           |
| Q96AG4 | Leucine-rich repeat-containing protein 59 OS=Homo sapiens GN=LRRC59 PE=1 SV=1                                   | 2.716 | 2.508 | 2.918 | 0.771143 | 0.569152 | 7.666666667 |
| P16435 | NADPH--cytochrome P450 reductase OS=Homo sapiens GN=POR PE=1 SV=2                                               | 3.011 | #N/A  | 2.377 | 0.666867 | 0.5643   | 3.333333333 |
| P60660 | Myosin light polypeptide 6 OS=Homo sapiens GN=MYL6 PE=1 SV=2                                                    | 2.856 | #N/A  | #N/A  | 0        | 0.563567 | 6.666666667 |
| Q9HD45 | Transmembrane 9 superfamily member 3 OS=Homo sapiens GN=TM9SF3 PE=1 SV=2                                        | 3.104 | 2.226 | 2.773 | 0.626525 | 0.558983 | 5.333333333 |
| P22626 | Heterogeneous nuclear ribonucleoproteins A2/B1 OS=Homo sapiens GN=HNRNPA2B1 PE=1 SV=2                           | 2.909 | 2.805 | 2.447 | 2.09433  | 0.555218 | 2.333333333 |
| Q8TDY2 | RB1-inducible coiled-coil protein 1 OS=Homo sapiens GN=RB1CC1 PE=1 SV=3                                         | 2.841 | #N/A  | #N/A  | 0        | 0.544286 | 1.666666667 |
| O76062 | Delta(14)-sterol reductase OS=Homo sapiens GN=TM7SF2 PE=2 SV=3                                                  | 2.836 | #N/A  | #N/A  | 0        | 0.537858 | 0.333333333 |
| P35232 | Prohibitin OS=Homo sapiens GN=PHB PE=1 SV=1                                                                     | 2.82  | #N/A  | #N/A  | 0        | 0.517291 | 1.666666667 |
| P07766 | T-cell surface glycoprotein CD3 epsilon chain OS=Homo sapiens GN=CD3E PE=1 SV=2                                 | 2.894 | 2.736 | 2.432 | 2.01539  | 0.514897 | 0.333333333 |
| P07339 | Cathepsin D OS=Homo sapiens GN=CTSD PE=1 SV=1                                                                   | 2.908 | 2.794 | 2.367 | 1.59552  | 0.514243 | 3           |
| Q3SXM5 | Inactive hydroxysteroid dehydrogenase-like protein 1 OS=Homo sapiens GN=HSDL1 PE=1 SV=3                         | 2.816 | #N/A  | #N/A  | 0        | 0.51215  | 1.333333333 |
| P57088 | Transmembrane protein 33 OS=Homo sapiens GN=TMEM33 PE=1 SV=2                                                    | 3.361 | 2.303 | 2.343 | 0.518356 | 0.504629 | 7.333333333 |
| P30519 | Heme oxygenase 2 OS=Homo sapiens GN=HMOX2 PE=1 SV=2                                                             | 2.726 | #N/A  | 2.549 | 0.892773 | 0.497955 | 1.666666667 |
| P27824 | Calnexin OS=Homo sapiens GN=CANX PE=1 SV=2                                                                      | 2.616 | 2.676 | 2.706 | 1.02064  | 0.496289 | 0.666666667 |
| P15153 | Ras-related C3 botulinum toxin substrate 2 OS=Homo sapiens GN=RAC2 PE=1 SV=1                                    | 2.912 | #N/A  | 2.359 | 0.729941 | 0.488444 | 1.333333333 |
| Q92945 | Far upstream element-binding protein 2 OS=Homo sapiens GN=KHSRP PE=1 SV=4                                       | 1.782 | 3.825 | 2.479 | 0.235349 | 0.487429 | 4           |
| P46977 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A OS=Homo sapiens GN=STT3A PE=1 SV=2 | 3.005 | 3.414 | 1.677 | 0.32346  | 0.486867 | 6.333333333 |
| O43390 | Heterogeneous nuclear ribonucleoprotein R OS=Homo sapiens GN=HNRNPR PE=1 SV=1                                   | 3.059 | 2.447 | 2.415 | 0.850584 | 0.46439  | 1.333333333 |
| Q9P035 | Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3 OS=Homo sapiens GN=HACD3 PE=1 SV=2                         | 3.309 | 2.077 | 2.451 | 0.402006 | 0.442489 | 1.666666667 |
| Q99729 | Heterogeneous nuclear ribonucleoprotein A/B OS=Homo sapiens GN=HNRNPAB PE=1 SV=2                                | 2.382 | 2.442 | 2.969 | 0.42166  | 0.423211 | 1           |

|        |                                                                                                 |       |       |       |          |          |             |
|--------|-------------------------------------------------------------------------------------------------|-------|-------|-------|----------|----------|-------------|
| Q14534 | Squalene monooxygenase OS=Homo sapiens GN=SQLE PE=1 SV=3                                        | 2.291 | #N/A  | 2.849 | 0.220416 | 0.422143 | 1           |
| P09651 | Heterogeneous nuclear ribonucleoprotein A1 OS=Homo sapiens GN=HNRNPA1 PE=1 SV=5                 | 2.674 | 2.831 | 2.322 | 1.27144  | 0.408133 | 0.333333333 |
| P13646 | Keratin, type I cytoskeletal 13 OS=Homo sapiens GN=KRT13 PE=1 SV=4                              | 2.627 | 2.758 | 2.428 | 1.51284  | 0.407322 | 1           |
| Q9HD20 | Manganese-transporting ATPase 13A1 OS=Homo sapiens GN=ATP13A1 PE=1 SV=2                         | 2.798 | 2.678 | 2.329 | 1.74116  | 0.404341 | 2.333333333 |
| Q9UM22 | Mammalian ependymin-related protein 1 OS=Homo sapiens GN=EPDR1 PE=1 SV=2                        | 2.677 | #N/A  | 2.454 | 0.968983 | 0.401933 | 0.666666667 |
| O60506 | Heterogeneous nuclear ribonucleoprotein Q OS=Homo sapiens GN=SYNCRIP PE=1 SV=2                  | 2.657 | 2.278 | 2.801 | 0.522021 | 0.400555 | 2           |
| P07910 | Heterogeneous nuclear ribonucleoproteins C1/C2 OS=Homo sapiens GN=HNRNPC PE=1 SV=4              | 2.66  | #N/A  | 2.453 | 0.897319 | 0.390327 | 0.666666667 |
| P62937 | Peptidyl-prolyl cis-trans isomerase A OS=Homo sapiens GN=PPIA PE=1 SV=2                         | 2.812 | 2.321 | 2.584 | 0.727003 | 0.385595 | 0.333333333 |
| P51659 | Peroxisomal multifunctional enzyme type 2 OS=Homo sapiens GN=HSD17B4 PE=1 SV=3                  | 3.347 | #N/A  | 1.79  | 0.142236 | 0.381538 | 1.333333333 |
| Q12981 | Vesicle transport protein SEC20 OS=Homo sapiens GN=BNIP1 PE=1 SV=3                              | 2.712 | #N/A  | #N/A  | 0        | 0.378463 | 0.666666667 |
| Q14566 | DNA replication licensing factor MCM6 OS=Homo sapiens GN=MCM6 PE=1 SV=1                         | 2.708 | #N/A  | #N/A  | 0        | 0.373321 | 1           |
| P40939 | Trifunctional enzyme subunit alpha, mitochondrial OS=Homo sapiens GN=HADHA PE=1 SV=2            | 2.622 | 2.949 | 2.181 | 0.70642  | 0.368349 | 3.666666667 |
| P68431 | Histone H3.1 OS=Homo sapiens GN=HIST1H3A PE=1 SV=2                                              | 2.971 | 2.398 | 2.306 | 0.719545 | 0.358079 | 1.333333333 |
| Q14103 | Heterogeneous nuclear ribonucleoprotein D0 OS=Homo sapiens GN=HNRNPD PE=1 SV=1                  | 2.948 | 2.495 | 2.223 | 0.763666 | 0.348737 | 2.666666667 |
| P49368 | T-complex protein 1 subunit gamma OS=Homo sapiens GN=CCT3 PE=1 SV=4                             | 3.112 | 2.151 | 2.33  | 0.39565  | 0.33235  | 8           |
| Q08722 | Leukocyte surface antigen CD47 OS=Homo sapiens GN=CD47 PE=1 SV=1                                | 2.482 | 2.605 | 2.519 | 0.850943 | 0.326307 | 0.666666667 |
| Q6P1A2 | Lysophospholipid acyltransferase 5 OS=Homo sapiens GN=LPCAT3 PE=1 SV=1                          | 2.788 | 2.548 | 2.26  | 1.22437  | 0.317752 | 7.666666667 |
| Q9UMX5 | Neudesin OS=Homo sapiens GN=NENF PE=1 SV=1                                                      | 2.973 | 2.946 | 1.735 | 0.281611 | 0.315606 | 1.666666667 |
| P29692 | Elongation factor 1-delta OS=Homo sapiens GN=EEF1D PE=1 SV=5                                    | 2.279 | 2.712 | 2.592 | 0.469424 | 0.314407 | 0.333333333 |
| P38159 | RNA-binding motif protein, X chromosome OS=Homo sapiens GN=RBMX PE=1 SV=3                       | 2.719 | #N/A  | 2.281 | 0.816817 | 0.311418 | 1           |
| P39023 | 60S ribosomal protein L3 OS=Homo sapiens GN=RPL3 PE=1 SV=2                                      | 2.464 | 2.246 | 2.803 | 0.354686 | 0.306195 | 2.333333333 |
| O95202 | LETM1 and EF-hand domain-containing protein 1, mitochondrial OS=Homo sapiens GN=LETM1 PE=1 SV=1 | 2.653 | #N/A  | #N/A  | 0        | 0.302622 | 2           |
| Q15067 | Peroxisomal acyl-coenzyme A oxidase 1 OS=Homo sapiens GN=ACOX1 PE=1 SV=3                        | 2.484 | 2.601 | 2.457 | 0.919933 | 0.297517 | 0.666666667 |
| P00558 | Phosphoglycerate kinase 1 OS=Homo sapiens GN=PGK1 PE=1 SV=3                                     | 2.691 | 2.486 | 2.343 | 1.59527  | 0.289422 | 5.666666667 |
| P07737 | Profilin-1 OS=Homo sapiens GN=PFN1 PE=1 SV=2                                                    | 2.786 | 2.625 | 2.119 | 0.753811 | 0.283288 | 0.666666667 |
| P42166 | Lamina-associated polypeptide 2, isoform alpha OS=Homo sapiens GN=TMPO PE=1 SV=2                | 2.673 | 2.712 | 2.132 | 0.787676 | 0.274927 | 1.666666667 |
| P01850 | T-cell receptor beta-1 chain C region OS=Homo sapiens GN=TRBC1 PE=1 SV=3                        | 2.766 | 2.46  | 2.252 | 1.02661  | 0.270139 | 2           |
| Q86XL3 | Ankyrin repeat and LEM domain-containing protein 2 OS=Homo sapiens GN=ANKLE2 PE=1 SV=4          | 2.889 | 2.507 | 2.091 | 0.552687 | 0.268397 | 1           |
| P68104 | Elongation factor 1-alpha 1 OS=Homo sapiens GN=EEF1A1 PE=1 SV=1                                 | 2.602 | 2.492 | 2.344 | 1.74017  | 0.254097 | 6.666666667 |
| O95674 | Phosphatidate cytidyltransferase 2 OS=Homo sapiens GN=CDS2 PE=1 SV=1                            | 2.612 | #N/A  | #N/A  | 0        | 0.249918 | 7.333333333 |
| P14625 | Endoplasmic reticulum protein OS=Homo sapiens GN=HSP90B1 PE=1 SV=1                              | 2.725 | 2.356 | 2.325 | 0.842185 | 0.24478  | 4           |
| Q53GQ0 | Very-long-chain 3-oxoacyl-CoA reductase OS=Homo sapiens GN=HSD17B12 PE=1 SV=2                   | 2.313 | 2.795 | 2.281 | 0.41274  | 0.220745 | 4.666666667 |
| P60842 | Eukaryotic initiation factor 4A-I OS=Homo sapiens GN=EIF4A1 PE=1 SV=1                           | 2.639 | 2.527 | 2.198 | 1.32965  | 0.217584 | 1           |
| P00338 | L-lactate dehydrogenase A chain OS=Homo sapiens GN=LDHA PE=1 SV=2                               | 2.607 | 2.567 | 2.183 | 1.18717  | 0.212791 | 0.666666667 |
| Q9H4I3 | TrAB domain-containing protein OS=Homo sapiens GN=TRABD PE=1 SV=1                               | 2.536 | #N/A  | 2.307 | 0.759759 | 0.21146  | 3.333333333 |
| P12236 | ADP/ATP translocase 3 OS=Homo sapiens GN=SLC25A6 PE=1 SV=4                                      | 2.833 | 2.445 | 2.048 | 0.420297 | 0.200579 | 5.666666667 |
| P28072 | Proteasome subunit beta type-6 OS=Homo sapiens GN=PSMB6 PE=1 SV=4                               | 2.505 | 2.562 | #N/A  | 0.581332 | 0.199562 | 19          |
| Q9UBX3 | Mitochondrial dicarboxylate carrier OS=Homo sapiens GN=SLC25A10 PE=1 SV=2                       | 2.837 | 1.934 | 2.48  | 0.217487 | 0.197212 | 7           |
| O15269 | Serine palmitoyltransferase 1 OS=Homo sapiens GN=SPTLC1 PE=1 SV=1                               | 2.562 | #N/A  | #N/A  | 0        | 0.185646 | 7.333333333 |
| P52566 | Rho GDP-dissociation inhibitor 2 OS=Homo sapiens GN=ARHGDI2 PE=1 SV=3                           | 3.06  | 2.128 | 2.071 | 0.201531 | 0.183753 | 1.666666667 |
| P13639 | Elongation factor 2 OS=Homo sapiens GN=EEF2 PE=1 SV=4                                           | 2.764 | 2.342 | 2.14  | 0.475447 | 0.172219 | 1           |
| P31943 | Heterogeneous nuclear ribonucleoprotein H OS=Homo sapiens GN=HNRNPH1 PE=1 SV=4                  | 2.536 | 2.23  | 2.448 | 0.388904 | 0.170007 | 13          |
| Q9BTX1 | Nucleoporin NDC1 OS=Homo sapiens GN=NDC1 PE=1 SV=2                                              | 2.906 | 1.975 | 2.313 | 0.19606  | 0.167258 | 5           |

|        |                                                                                                      |       |       |       |          |          |            |
|--------|------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|----------|------------|
| Q8NBX0 | Saccharopine dehydrogenase-like oxidoreductase OS=Homo sapiens GN=SCCPDH PE=1 SV=1                   | 2.835 | 1.835 | 2.501 | 0.158134 | 0.166981 | 1.33333333 |
| Q08945 | FACT complex subunit SSRP1 OS=Homo sapiens GN=SSRP1 PE=1 SV=1                                        | 2.542 | #N/A  | #N/A  | 0        | 0.159937 | 1.33333333 |
| Q14151 | Scaffold attachment factor B2 OS=Homo sapiens GN=SAFB2 PE=1 SV=1                                     | 2.534 | #N/A  | #N/A  | 0        | 0.149654 | 1.33333333 |
| P62820 | Ras-related protein Rab-1A OS=Homo sapiens GN=RAB1A PE=1 SV=3                                        | 2.325 | 2.673 | #N/A  | 0.169566 | 0.149267 | 1          |
| P19338 | Nucleolin OS=Homo sapiens GN=NCL PE=1 SV=3                                                           | 2.603 | 2.404 | 2.158 | 0.916084 | 0.135736 | 0.66666667 |
| O94919 | Endonuclease domain-containing 1 protein OS=Homo sapiens GN=ENDOD1 PE=1 SV=2                         | 2.402 | 3.426 | 1.455 | 0.068367 | 0.132677 | 2          |
| Q9NZ01 | Very-long-chain enoyl-CoA reductase OS=Homo sapiens GN=TECR PE=1 SV=1                                | 2.849 | 2.21  | 2.086 | 0.223447 | 0.132342 | 5.66666667 |
| P14174 | Macrophage migration inhibitory factor OS=Homo sapiens GN=MIF PE=1 SV=4                              | 2.594 | #N/A  | 2.132 | 0.389212 | 0.12987  | 1.66666667 |
| Q9Y584 | Mitochondrial import inner membrane translocase subunit Tim22 OS=Homo sapiens GN=TIMM22 PE=1 SV=2    | 2.338 | 2.046 | 2.699 | 0.125889 | 0.126559 | 0.33333333 |
| P12956 | X-ray repair cross-complementing protein 6 OS=Homo sapiens GN=XRCC6 PE=1 SV=2                        | 2.976 | 2.191 | 1.968 | 0.147374 | 0.125863 | 0.66666667 |
| P40227 | T-complex protein 1 subunit zeta OS=Homo sapiens GN=CCT6A PE=1 SV=3                                  | 2.514 | #N/A  | #N/A  | 0        | 0.123945 | 1          |
| P48449 | Lanosterol synthase OS=Homo sapiens GN=LSS PE=1 SV=1                                                 | 2.18  | 2.804 | 2.181 | 0.168886 | 0.122009 | 1          |
| Q9Y3U8 | 60S ribosomal protein L36 OS=Homo sapiens GN=RPL36 PE=1 SV=3                                         | 2.65  | 2.021 | 2.41  | 0.177536 | 0.119558 | 1.66666667 |
| Q15363 | Transmembrane emp24 domain-containing protein 2 OS=Homo sapiens GN=TMED2 PE=1 SV=1                   | 2.586 | 2.306 | #N/A  | 0.264615 | 0.100801 | 1.33333333 |
| P08238 | Heat shock protein HSP 90-beta OS=Homo sapiens GN=HSP90AB1 PE=1 SV=4                                 | 2.513 | 2.298 | 2.253 | 0.569769 | 0.098558 | 4.33333333 |
| Q99536 | Synaptic vesicle membrane protein VAT-1 homolog OS=Homo sapiens GN=VAT1 PE=1 SV=2                    | 2.598 | 2.222 | 2.238 | 0.340926 | 0.098336 | 5          |
| P61978 | Heterogeneous nuclear ribonucleoprotein K OS=Homo sapiens GN=HNRNPK PE=1 SV=1                        | 2.605 | 2.265 | 2.181 | 0.394439 | 0.092413 | 1          |
| P07900 | Heat shock protein HSP 90-alpha OS=Homo sapiens GN=HSP90AA1 PE=1 SV=5                                | 2.419 | 2.438 | 2.2   | 0.746443 | 0.089268 | 2.66666667 |
| P68363 | Tubulin alpha-1B chain OS=Homo sapiens GN=TUBA1B PE=1 SV=1                                           | 2.325 | 2.392 | 2.322 | 0.265715 | 0.086169 | 1.33333333 |
| P27348 | 14-3-3 protein theta OS=Homo sapiens GN=YWHAQ PE=1 SV=1                                              | 2.589 | 2.634 | 1.842 | 0.117377 | 0.076979 | 0.33333333 |
| O60830 | Mitochondrial import inner membrane translocase subunit Tim17-B OS=Homo sapiens GN=TIMM17B PE=1 SV=1 | 2.446 | 2.277 | 2.275 | 0.324911 | 0.071564 | 1.33333333 |
| Q9H490 | Phosphatidylinositol glycan anchor biosynthesis class U protein OS=Homo sapiens GN=PIGU PE=1 SV=3    | 2.667 | 2.207 | 2.11  | 0.16755  | 0.064048 | 3          |
| P61247 | 40S ribosomal protein S3a OS=Homo sapiens GN=RPS3A PE=1 SV=2                                         | 2.412 | 2.422 | #N/A  | 0.269669 | 0.057308 | 3.66666667 |
| O43772 | Mitochondrial carnitine/acylcarnitine carrier protein OS=Homo sapiens GN=SLC25A20 PE=1 SV=1          | 2.451 | 2.429 | 2.082 | 0.360343 | 0.04601  | 2.33333333 |
| P39210 | Protein Mpv17 OS=Homo sapiens GN=MPV17 PE=1 SV=1                                                     | 2.451 | #N/A  | #N/A  | 0        | 0.042962 | 0.33333333 |
| P55060 | Exportin-2 OS=Homo sapiens GN=CSE1L PE=1 SV=3                                                        | 2.536 | 2.258 | #N/A  | 0.108244 | 0.040385 | 1.66666667 |
| P22830 | Ferrochelatase, mitochondrial OS=Homo sapiens GN=FECH PE=1 SV=2                                      | 2.406 | 2.398 | 2.11  | 0.299201 | 0.027232 | 2          |
| P10809 | 60 kDa heat shock protein, mitochondrial OS=Homo sapiens GN=HSPD1 PE=1 SV=2                          | 2.657 | 2.205 | 2.027 | 0.048146 | 0.021393 | 0.66666667 |
| P20700 | Lamin-B1 OS=Homo sapiens GN=LMNB1 PE=1 SV=2                                                          | 2.296 | 2.712 | 1.925 | 0.027825 | 0.019654 | 9.33333333 |
| Q8N8N7 | Prostaglandin reductase 2 OS=Homo sapiens GN=PTGR2 PE=1 SV=1                                         | 2.046 | 2.691 | 2.166 | 0.015728 | 0.013417 | 0.33333333 |
| P23396 | 40S ribosomal protein S3 OS=Homo sapiens GN=RPS3 PE=1 SV=2                                           | 2.575 | 2.3   | 1.989 | 0.01883  | 0.006362 | 0.66666667 |
| P60709 | Actin, cytoplasmic 1 OS=Homo sapiens GN=ACTB PE=1 SV=1                                               | 2.484 | 2.254 | 2.113 | 0.037347 | 0.005454 | 0.33333333 |
| P63244 | Receptor of activated protein C kinase 1 OS=Homo sapiens GN=RACK1 PE=1 SV=3                          | 2.659 | #N/A  | 1.863 | 0.009625 | -0.01107 | 0.33333333 |
| P31948 | Stress-induced-phosphoprotein 1 OS=Homo sapiens GN=STIP1 PE=1 SV=1                                   | 2.811 | 2.526 | 1.515 | 0.014326 | -0.01839 | 1          |
| P11142 | Heat shock cognate 71 kDa protein OS=Homo sapiens GN=HSPA8 PE=1 SV=1                                 | 2.367 | 2.291 | 2.135 | 0.242904 | -0.02018 | 0.66666667 |
| P09488 | Glutathione S-transferase Mu 1 OS=Homo sapiens GN=GSTM1 PE=1 SV=3                                    | 2.567 | #N/A  | 1.934 | 0.029248 | -0.02197 | 0.33333333 |
| P51648 | Fatty aldehyde dehydrogenase OS=Homo sapiens GN=ALDH3A2 PE=1 SV=1                                    | 2.37  | 2.293 | 2.123 | 0.368594 | -0.02355 | 1.33333333 |
| Q13838 | Spliceosome RNA helicase DDX39B OS=Homo sapiens GN=DDX39B PE=1 SV=1                                  | 2.558 | 2.365 | 1.831 | 0.093288 | -0.04694 | 4          |
| P18621 | 60S ribosomal protein L17 OS=Homo sapiens GN=RPL17 PE=1 SV=3                                         | 2.259 | 2.389 | #N/A  | 0.127317 | -0.06047 | 1.33333333 |
| P25705 | ATP synthase subunit alpha, mitochondrial OS=Homo sapiens GN=ATP5A1 PE=1 SV=1                        | 2.455 | 2.19  | 2.049 | 0.39222  | -0.06109 | 1.33333333 |
| P17844 | Probable ATP-dependent RNA helicase DDX5 OS=Homo sapiens GN=DDX5 PE=1 SV=1                           | 2.26  | 2.405 | 2.025 | 0.289458 | -0.07107 | 9          |
| P07099 | Epoxide hydrolase 1 OS=Homo sapiens GN=EPHX1 PE=1 SV=1                                               | 2.669 | 2.038 | 1.954 | 0.122735 | -0.07211 | 0.66666667 |

|        |                                                                                                                       |       |       |       |          |          |             |
|--------|-----------------------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|----------|-------------|
| P62826 | GTP-binding nuclear protein Ran OS=Homo sapiens GN=RAN PE=1 SV=3                                                      | 2.267 | 2.308 | 2.096 | 0.466875 | -0.07402 | 11          |
| P14618 | Pyruvate kinase PKM OS=Homo sapiens GN=PKM PE=1 SV=4                                                                  | 2.448 | 1.991 | 2.177 | 0.19766  | -0.08429 | 3           |
| P17987 | T-complex protein 1 subunit alpha OS=Homo sapiens GN=TCP1 PE=1 SV=1                                                   | 2.385 | 2.405 | 1.874 | 0.253874 | -0.08588 | 0.666666667 |
| P43243 | Matrin-3 OS=Homo sapiens GN=MATR3 PE=1 SV=2                                                                           | 2.54  | 2.022 | 2.049 | 0.22259  | -0.09065 | 2           |
| P52597 | Heterogeneous nuclear ribonucleoprotein F OS=Homo sapiens GN=HNRNPF PE=1 SV=3                                         | 2.205 | 2.29  | 2.131 | 0.370319 | -0.0918  | 2.666666667 |
| P05141 | ADP/ATP translocase 2 OS=Homo sapiens GN=SLC25A5 PE=1 SV=7                                                            | 1.888 | #N/A  | 2.471 | 0.046084 | -0.09363 | 0.333333333 |
| Q15233 | Non-POU domain-containing octamer-binding protein OS=Homo sapiens GN=NONO PE=1 SV=4                                   | 2.535 | 2.177 | 1.911 | 0.274107 | -0.09441 | 0.666666667 |
| Q9NQC3 | Reticulon-4 OS=Homo sapiens GN=RTN4 PE=1 SV=2                                                                         | 2.656 | 1.895 | #N/A  | 0.070305 | -0.09635 | 0.666666667 |
| Q9Y266 | Nuclear migration protein nudC OS=Homo sapiens GN=NUDC PE=1 SV=1                                                      | 2.098 | #N/A  | 2.268 | 0.091382 | -0.09654 | 0.666666667 |
| P31930 | Cytochrome b-c1 complex subunit 1, mitochondrial OS=Homo sapiens GN=UQCRC1 PE=1 SV=3                                  | 2.334 | #N/A  | #N/A  | 0        | -0.10744 | 0.666666667 |
| Q15366 | Poly(rC)-binding protein 2 OS=Homo sapiens GN=PCBP2 PE=1 SV=1                                                         | 2.449 | #N/A  | 1.913 | 0.224425 | -0.11208 | 0.333333333 |
| P36639 | 7,8-dihydro-8-oxoguanine triphosphatase OS=Homo sapiens GN=NUDT1 PE=1 SV=3                                            | 2.327 | #N/A  | #N/A  | 0        | -0.11643 | 0.333333333 |
| P13796 | Plastin-2 OS=Homo sapiens GN=LCP1 PE=1 SV=6                                                                           | 2.326 | 2.39  | 1.849 | 0.381946 | -0.12838 | 0.333333333 |
| P84103 | Serine/arginine-rich splicing factor 3 OS=Homo sapiens GN=SRSF3 PE=1 SV=1                                             | 2.533 | #N/A  | 1.806 | 0.142012 | -0.13077 | 0.666666667 |
| Q01650 | Large neutral amino acids transporter small subunit 1 OS=Homo sapiens GN=SLC7A5 PE=1 SV=2                             | 2.48  | 2.154 | 1.876 | 0.460814 | -0.14286 | 3           |
| P31146 | Coronin-1A OS=Homo sapiens GN=CORO1A PE=1 SV=4                                                                        | 2.059 | 2.153 | 2.267 | 0.272127 | -0.14658 | 1.333333333 |
| P37802 | Transgelin-2 OS=Homo sapiens GN=TAGLN2 PE=1 SV=3                                                                      | 2.301 | #N/A  | #N/A  | 0        | -0.14986 | 0.666666667 |
| P78527 | DNA-dependent protein kinase catalytic subunit OS=Homo sapiens GN=PRKDC PE=1 SV=3                                     | 2.298 | 2.249 | 1.947 | 1.21144  | -0.15138 | 4           |
| P29401 | Transketolase OS=Homo sapiens GN=TKT PE=1 SV=3                                                                        | 2.318 | 2.064 | 2.082 | 0.732388 | -0.15434 | 0.333333333 |
| P61204 | ADP-ribosylation factor 3 OS=Homo sapiens GN=ARF3 PE=1 SV=2                                                           | 2.254 | 2.208 | #N/A  | 0.833636 | -0.17032 | 3.666666667 |
| P62753 | 40S ribosomal protein S6 OS=Homo sapiens GN=RPS6 PE=1 SV=1                                                            | 2.373 | #N/A  | 1.882 | 0.417486 | -0.18198 | 3.333333333 |
| P07195 | L-lactate dehydrogenase B chain OS=Homo sapiens GN=LDHB PE=1 SV=2                                                     | 2.592 | 1.887 | 1.897 | 0.325121 | -0.19023 | 1           |
| Q12905 | Interleukin enhancer-binding factor 2 OS=Homo sapiens GN=ILF2 PE=1 SV=2                                               | 2.01  | 1.907 | 2.418 | 0.228478 | -0.19582 | 1           |
| P50991 | T-complex protein 1 subunit delta OS=Homo sapiens GN=CCT4 PE=1 SV=4                                                   | 2.215 | 2.207 | #N/A  | 0.694202 | -0.19598 | 0.333333333 |
| Q14980 | Nuclear mitotic apparatus protein 1 OS=Homo sapiens GN=NUMA1 PE=1 SV=2                                                | 1.91  | 2.525 | #N/A  | 0.138408 | -0.20466 | 1.666666667 |
| P06748 | Nucleophosmin OS=Homo sapiens GN=NPM1 PE=1 SV=2                                                                       | 2.282 | 2.116 | 1.945 | 2.0871   | -0.21138 | 1           |
| O75643 | U5 small nuclear ribonucleoprotein 200 kDa helicase OS=Homo sapiens GN=SNRNP200 PE=1 SV=2                             | 2.251 | #N/A  | #N/A  | 0        | -0.21413 | 7.666666667 |
| P09972 | Fructose-bisphosphate aldolase C OS=Homo sapiens GN=ALDOC PE=1 SV=2                                                   | 2.899 | 1.433 | 1.931 | 0.161367 | -0.2216  | 1           |
| P04843 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 OS=Homo sapiens GN=RPN1 PE=1 SV=1            | 1.674 | #N/A  | 2.484 | 0.090109 | -0.22234 | 2           |
| Q99595 | Mitochondrial import inner membrane translocase subunit Tim17-A OS=Homo sapiens GN=TIMM17A PE=1 SV=1                  | 2.304 | 2.064 | #N/A  | 0.674285 | -0.22302 | 0.333333333 |
| P05386 | 60S acidic ribosomal protein P1 OS=Homo sapiens GN=RPLP1 PE=1 SV=1                                                    | 2.11  | 2.351 | 1.873 | 0.631457 | -0.22538 | 3           |
| P55786 | Puromycin-sensitive aminopeptidase OS=Homo sapiens GN=NPEPPS PE=1 SV=2                                                | 1.97  | #N/A  | 2.188 | 0.208145 | -0.23315 | 3.333333333 |
| P09211 | Glutathione S-transferase P OS=Homo sapiens GN=GSTP1 PE=1 SV=2                                                        | 2.175 | 1.785 | 2.269 | 0.36309  | -0.24051 | 2.333333333 |
| Q01518 | Adenyl cyclase-associated protein 1 OS=Homo sapiens GN=CAP1 PE=1 SV=5                                                 | 1.974 | 2.032 | 2.234 | 0.421465 | -0.24547 | 0.666666667 |
| P07437 | Tubulin beta chain OS=Homo sapiens GN=TUBB PE=1 SV=2                                                                  | 2.332 | 1.925 | 1.974 | 0.838782 | -0.25184 | 0.333333333 |
| Q00610 | Clathrin heavy chain 1 OS=Homo sapiens GN=CLTC PE=1 SV=5                                                              | 1.605 | 2.327 | 2.312 | 0.225105 | -0.2524  | 1           |
| P35579 | Myosin-9 OS=Homo sapiens GN=MYH9 PE=1 SV=4                                                                            | 2.179 | 2.113 | 1.934 | 2.13294  | -0.26167 | 2.666666667 |
| P30154 | Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform OS=Homo sapiens GN=PPP2R1B PE=1 SV=3 | 1.918 | 2.524 | 1.809 | 0.380592 | -0.26868 | 0.666666667 |
| P50395 | Rab GDP dissociation inhibitor beta OS=Homo sapiens GN=GDI2 PE=1 SV=2                                                 | 2.102 | 2.204 | #N/A  | 0.529645 | -0.27037 | 0.333333333 |
| P26641 | Elongation factor 1-gamma OS=Homo sapiens GN=EEF1G PE=1 SV=3                                                          | 2.339 | #N/A  | 1.77  | 0.441234 | -0.27991 | 1           |
| P08195 | 4F2 cell-surface antigen heavy chain OS=Homo sapiens GN=SLC3A2 PE=1 SV=3                                              | 2.278 | #N/A  | 1.815 | 0.637921 | -0.28855 | 1           |

|        |                                                                                                                      |       |       |       |          |          |             |
|--------|----------------------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|----------|-------------|
| P55072 | Transitional endoplasmic reticulum ATPase OS=Homo sapiens GN=VCP PE=1 SV=4                                           | 2.285 | 1.984 | 1.867 | 1.33397  | -0.29726 | 1           |
| P10412 | Histone H1.4 OS=Homo sapiens GN=HIST1H1E PE=1 SV=2                                                                   | 2.224 | #N/A  | 1.851 | 0.976792 | -0.29881 | 1           |
| P07237 | Protein disulfide-isomerase OS=Homo sapiens GN=P4HB PE=1 SV=3                                                        | 1.579 | 2.287 | 2.257 | 0.284009 | -0.30415 | 0.666666667 |
| P06702 | Protein S100-A9 OS=Homo sapiens GN=S100A9 PE=1 SV=1                                                                  | 2.383 | 1.713 | 1.983 | 0.56666  | -0.30918 | 2.333333333 |
| P04406 | Glyceraldehyde-3-phosphate dehydrogenase OS=Homo sapiens GN=GAPDH PE=1 SV=3                                          | 2.391 | 1.929 | 1.771 | 0.811791 | -0.31691 | 1.333333333 |
| P05023 | Sodium/potassium-transporting ATPase subunit alpha-1 OS=Homo sapiens GN=ATP1A1 PE=1 SV=1                             | 2.114 | 2.04  | 1.936 | 1.69751  | -0.31729 | 1.666666667 |
| P11586 | C-1-tetrahydrofolate synthase, cytoplasmic OS=Homo sapiens GN=MTHFD1 PE=1 SV=3                                       | 2.261 | #N/A  | 1.782 | 0.641601 | -0.32189 | 1.666666667 |
| Q00839 | Heterogeneous nuclear ribonucleoprotein U OS=Homo sapiens GN=HNRNPU PE=1 SV=6                                        | 2.053 | 2.079 | 1.947 | 1.30134  | -0.32313 | 3.333333333 |
| Q99805 | Transmembrane 9 superfamily member 2 OS=Homo sapiens GN=TM9SF2 PE=1 SV=1                                             | 1.973 | #N/A  | 2.049 | 0.38544  | -0.32564 | 1.666666667 |
| Q14974 | Importin subunit beta-1 OS=Homo sapiens GN=KPNB1 PE=1 SV=2                                                           | 2.116 | 1.821 | 2.098 | 0.722944 | -0.32909 | 1           |
| P15531 | Nucleoside diphosphate kinase A OS=Homo sapiens GN=NME1 PE=1 SV=1                                                    | 2.039 | 2.103 | 1.894 | 1.38253  | -0.3437  | 0.333333333 |
| P06733 | Alpha-enolase OS=Homo sapiens GN=ENO1 PE=1 SV=2                                                                      | 2.211 | 2.016 | 1.799 | 1.79176  | -0.34719 | 0.333333333 |
| P31939 | Bifunctional purine biosynthesis protein PURH OS=Homo sapiens GN=ATIC PE=1 SV=3                                      | 2.172 | 2.215 | 1.659 | 0.877021 | -0.34914 | 5.333333333 |
| P23246 | Splicing factor, proline- and glutamine-rich OS=Homo sapiens GN=SFPQ PE=1 SV=2                                       | 2.135 | 1.833 | 2.018 | 0.944899 | -0.35246 | 1.333333333 |
| P04908 | Histone H2A type 1-B/E OS=Homo sapiens GN=HIST1H2AB PE=1 SV=2                                                        | 2.449 | 1.81  | 1.73  | 0.664494 | -0.35737 | 0.666666667 |
| P60174 | Triosephosphate isomerase OS=Homo sapiens GN=TPI1 PE=1 SV=3                                                          | 1.959 | 1.876 | 2.131 | 0.680182 | -0.35981 | 3.333333333 |
| Q15517 | Corneodesmosin OS=Homo sapiens GN=CDSN PE=1 SV=3                                                                     | 2.145 | #N/A  | 1.831 | 1.64985  | -0.36317 | 1.666666667 |
| Q9NZ45 | CDGSH iron-sulfur domain-containing protein 1 OS=Homo sapiens GN=CISD1 PE=1 SV=1                                     | 2.305 | #N/A  | 1.673 | 0.459644 | -0.36765 | 0.666666667 |
| P06576 | ATP synthase subunit beta, mitochondrial OS=Homo sapiens GN=ATP5B PE=1 SV=3                                          | 2.338 | #N/A  | 1.629 | 0.397201 | -0.37633 | 1           |
| P01733 | T-cell receptor beta chain V region YT35 OS=Homo sapiens GN=TRBV12-3 PE=1 SV=1                                       | 1.972 | 1.81  | 2.123 | 0.702453 | -0.38379 | 0.333333333 |
| O00410 | Importin-5 OS=Homo sapiens GN=IPO5 PE=1 SV=4                                                                         | 1.931 | 2.033 | 1.966 | 1.02603  | -0.38486 | 4           |
| O95758 | Polypyrimidine tract-binding protein 3 OS=Homo sapiens GN=PTBP3 PE=1 SV=2                                            | 2.115 | #N/A  | #N/A  | 0        | -0.38895 | 1.666666667 |
| P53396 | ATP-citrate synthase OS=Homo sapiens GN=ACLY PE=1 SV=3                                                               | 2.306 | 2.258 | 1.4   | 0.518235 | -0.39211 | 3.333333333 |
| P62280 | 40S ribosomal protein S11 OS=Homo sapiens GN=RPS11 PE=1 SV=3                                                         | 1.961 | 2.085 | 1.844 | 1.31289  | -0.40683 | 0.333333333 |
| P67809 | Nuclease-sensitive element-binding protein 1 OS=Homo sapiens GN=YBX1 PE=1 SV=3                                       | 2.027 | 1.978 | 1.867 | 1.82543  | -0.41016 | 0.333333333 |
| Q4V328 | GRIP1-associated protein 1 OS=Homo sapiens GN=GRIPAP1 PE=1 SV=1                                                      | 2.088 | #N/A  | #N/A  | 0        | -0.42366 | 5           |
| Q02878 | 60S ribosomal protein L6 OS=Homo sapiens GN=RPL6 PE=1 SV=3                                                           | 2.009 | 1.93  | 1.892 | 1.59719  | -0.42541 | 1           |
| P26038 | Moesin OS=Homo sapiens GN=MSN PE=1 SV=3                                                                              | 2.032 | 1.933 | 1.859 | 1.92494  | -0.42932 | 1           |
| P36578 | 60S ribosomal protein L4 OS=Homo sapiens GN=RPL4 PE=1 SV=5                                                           | 1.742 | 2.384 | 1.73  | 0.592651 | -0.43485 | 0.666666667 |
| O43924 | Retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit delta OS=Homo sapiens GN=PDE6D PE=1 SV=1 | 2.074 | #N/A  | #N/A  | 0        | -0.44165 | 0.333333333 |
| P35613 | Basigin OS=Homo sapiens GN=BSG PE=1 SV=2                                                                             | 2.056 | #N/A  | #N/A  | 0        | -0.46479 | 1.333333333 |
| P62854 | 40S ribosomal protein S26 OS=Homo sapiens GN=RPS26 PE=1 SV=3                                                         | 1.948 | 2.153 | 1.668 | 1.12527  | -0.46539 | 2           |
| Q9UBB4 | Ataxin-10 OS=Homo sapiens GN=ATXN10 PE=1 SV=1                                                                        | 2.061 | 1.909 | #N/A  | 1.78392  | -0.47052 | 1.333333333 |
| P62979 | Ubiquitin-40S ribosomal protein S27a OS=Homo sapiens GN=RPS27A PE=1 SV=2                                             | 2.281 | 1.771 | 1.668 | 1.06117  | -0.47274 | 1.333333333 |
| P63241 | Eukaryotic translation initiation factor 5A-1 OS=Homo sapiens GN=EIF5A PE=1 SV=2                                     | 1.775 | 2.058 | 1.896 | 0.938803 | -0.47359 | 2           |
| Q8TEM1 | Nuclear pore membrane glycoprotein 210 OS=Homo sapiens GN=NUP210 PE=1 SV=3                                           | 1.973 | 2.152 | 1.622 | 1.10374  | -0.4759  | 1.666666667 |
| P11279 | Lysosome-associated membrane glycoprotein 1 OS=Homo sapiens GN=LAMP1 PE=1 SV=3                                       | 2.031 | 1.932 | #N/A  | 1.55881  | -0.47625 | 0.333333333 |
| P31151 | Protein S100-A7 OS=Homo sapiens GN=S100A7 PE=1 SV=4                                                                  | 2.108 | 2.006 | 1.608 | 1.40132  | -0.48174 | 1.666666667 |
| P08865 | 40S ribosomal protein SA OS=Homo sapiens GN=RPSA PE=1 SV=4                                                           | 1.863 | 2.039 | 1.805 | 1.27327  | -0.48455 | 0.666666667 |
| Q15365 | Poly(rC)-binding protein 1 OS=Homo sapiens GN=PCBP1 PE=1 SV=2                                                        | 2.124 | #N/A  | 1.669 | 0.851826 | -0.4867  | 1           |
| O75367 | Core histone macro-H2A.1 OS=Homo sapiens GN=H2AFY PE=1 SV=4                                                          | 2.031 | #N/A  | #N/A  | 0        | -0.49693 | 0.666666667 |
| P62701 | 40S ribosomal protein S4, X isoform OS=Homo sapiens GN=RPS4X PE=1 SV=2                                               | 1.855 | #N/A  | 1.902 | 0.576406 | -0.50133 | 2           |
| Q00534 | Cyclin-dependent kinase 6 OS=Homo sapiens GN=CDK6 PE=1 SV=1                                                          | 1.967 | 2.045 | 1.657 | 1.50294  | -0.50465 | 3.666666667 |

|        |                                                                                      |       |       |       |          |          |            |
|--------|--------------------------------------------------------------------------------------|-------|-------|-------|----------|----------|------------|
| P25311 | Zinc-alpha-2-glycoprotein OS=Homo sapiens GN=AZGP1 PE=1 SV=2                         | 2.023 | #N/A  | #N/A  | 0        | -0.50721 | 1.33333333 |
| P62805 | Histone H4 OS=Homo sapiens GN=HIST1H4A PE=1 SV=2                                     | 1.991 | 1.947 | 1.711 | 2.31868  | -0.5084  | 1.33333333 |
| Q99832 | T-complex protein 1 subunit eta OS=Homo sapiens GN=CCT7 PE=1 SV=2                    | 1.675 | 1.975 | 1.97  | 0.816645 | -0.51552 | 1.66666667 |
| Q12906 | Interleukin enhancer-binding factor 3 OS=Homo sapiens GN=ILF3 PE=1 SV=3              | 2.014 | #N/A  | #N/A  | 0        | -0.51878 | 0.33333333 |
| Q99808 | Equilibrative nucleoside transporter 1 OS=Homo sapiens GN=SLC29A1 PE=1 SV=3          | 1.828 | 2.091 | 1.68  | 1.19     | -0.53573 | 0.66666667 |
| P00441 | Superoxide dismutase [Cu-Zn] OS=Homo sapiens GN=SOD1 PE=1 SV=2                       | 2.087 | 1.916 | 1.581 | 1.57346  | -0.53831 | 0.66666667 |
| P13010 | X-ray repair cross-complementing protein 5 OS=Homo sapiens GN=XRCC5 PE=1 SV=3        | 2.028 | #N/A  | 1.681 | 1.33323  | -0.54025 | 0.66666667 |
| P50914 | 60S ribosomal protein L14 OS=Homo sapiens GN=RPL14 PE=1 SV=4                         | 1.77  | 2.106 | #N/A  | 0.503246 | -0.54149 | 1          |
| P62899 | 60S ribosomal protein L31 OS=Homo sapiens GN=RPL31 PE=1 SV=1                         | 1.923 | 1.578 | 2.014 | 0.881666 | -0.54526 | 1          |
| P78371 | T-complex protein 1 subunit beta OS=Homo sapiens GN=CCT2 PE=1 SV=4                   | 2.045 | 1.849 | 1.659 | 2.32354  | -0.5473  | 1.66666667 |
| P46779 | 60S ribosomal protein L28 OS=Homo sapiens GN=RPL28 PE=1 SV=3                         | 1.818 | 1.921 | 1.803 | 1.41769  | -0.55108 | 5          |
| P62910 | 60S ribosomal protein L32 OS=Homo sapiens GN=RPL32 PE=1 SV=2                         | 2.539 | 1.91  | 1.13  | 0.483706 | -0.55122 | 3          |
| P62304 | Small nuclear ribonucleoprotein E OS=Homo sapiens GN=SNRPE PE=1 SV=1                 | 2.01  | #N/A  | 1.67  | 1.39568  | -0.55929 | 1.33333333 |
| P32119 | Peroxiredoxin-2 OS=Homo sapiens GN=PRDX2 PE=1 SV=5                                   | 1.921 | #N/A  | 1.753 | 1.05394  | -0.56012 | 1.33333333 |
| P61626 | Lysozyme C OS=Homo sapiens GN=LYZ PE=1 SV=1                                          | 1.48  | 1.973 | 2.034 | 0.647548 | -0.57088 | 1.66666667 |
| P46776 | 60S ribosomal protein L27a OS=Homo sapiens GN=RPL27A PE=1 SV=2                       | 1.922 | 2.007 | 1.574 | 1.47943  | -0.57644 | 1          |
| P22314 | Ubiquitin-like modifier-activating enzyme 1 OS=Homo sapiens GN=UBA1 PE=1 SV=3        | 2.062 | 1.683 | 1.714 | 1.66003  | -0.58031 | 1.66666667 |
| O60814 | Histone H2B type 1-K OS=Homo sapiens GN=HIST1H2BK PE=1 SV=3                          | 2.035 | 1.911 | 1.527 | 1.54733  | -0.58701 | 2          |
| P04114 | Apolipoprotein B-100 OS=Homo sapiens GN=APOB PE=1 SV=2                               | 1.748 | #N/A  | 1.877 | 0.55649  | -0.58708 | 3.33333333 |
| P11021 | 78 kDa glucose-regulated protein OS=Homo sapiens GN=HSPA5 PE=1 SV=2                  | 1.895 | 2.07  | 1.52  | 1.21658  | -0.58772 | 0.33333333 |
| Q9Y4P3 | Transducin beta-like protein 2 OS=Homo sapiens GN=TBL2 PE=1 SV=1                     | 1.888 | 1.864 | 1.705 | 2.20654  | -0.58785 | 0.33333333 |
| Q9Y4L1 | Hypoxia up-regulated protein 1 OS=Homo sapiens GN=HYOU1 PE=1 SV=1                    | 1.958 | #N/A  | #N/A  | 0        | -0.59076 | 6.33333333 |
| P31025 | Lipocalin-1 OS=Homo sapiens GN=LCN1 PE=1 SV=1                                        | 2.037 | 1.815 | 1.581 | 1.93181  | -0.59941 | 9.33333333 |
| Q13247 | Serine/arginine-rich splicing factor 6 OS=Homo sapiens GN=SRSF6 PE=1 SV=2            | 2.004 | 1.745 | #N/A  | 1.12085  | -0.60378 | 1          |
| P22695 | Cytochrome b-c1 complex subunit 2, mitochondrial OS=Homo sapiens GN=UQCRC2 PE=1 SV=3 | 1.652 | #N/A  | 1.941 | 0.448577 | -0.60531 | 2          |
| Q9BVK6 | Transmembrane emp24 domain-containing protein 9 OS=Homo sapiens GN=TMED9 PE=1 SV=2   | 1.944 | #N/A  | #N/A  | 0        | -0.60876 | 7.33333333 |
| P37198 | Nuclear pore glycoprotein p62 OS=Homo sapiens GN=NUP62 PE=1 SV=3                     | 1.939 | #N/A  | #N/A  | 0        | -0.61519 | 0.33333333 |
| P05388 | 60S acidic ribosomal protein P0 OS=Homo sapiens GN=RPLP0 PE=1 SV=1                   | 2.057 | 1.667 | #N/A  | 0.811778 | -0.61567 | 4          |
| P35637 | RNA-binding protein FUS OS=Homo sapiens GN=FUS PE=1 SV=1                             | 1.936 | #N/A  | #N/A  | 0        | -0.61904 | 1          |
| P18124 | 60S ribosomal protein L7 OS=Homo sapiens GN=RPL7 PE=1 SV=1                           | 1.914 | 1.791 | 1.663 | 3.39538  | -0.62441 | 1.66666667 |
| Q6KB66 | Keratin, type II cytoskeletal 80 OS=Homo sapiens GN=KRT80 PE=1 SV=2                  | 2.153 | 1.687 | 1.52  | 1.30805  | -0.6276  | 0.33333333 |
| P62241 | 40S ribosomal protein S8 OS=Homo sapiens GN=RPS8 PE=1 SV=2                           | 1.68  | 2.148 | 1.567 | 0.97596  | -0.62792 | 2          |
| O60831 | PRA1 family protein 2 OS=Homo sapiens GN=PRAF2 PE=1 SV=1                             | 2.182 | 1.644 | 1.525 | 1.21282  | -0.6298  | 1.33333333 |
| P62424 | 60S ribosomal protein L7a OS=Homo sapiens GN=RPL7A PE=1 SV=2                         | 1.924 | #N/A  | #N/A  | 0        | -0.63447 | 2          |
| P52209 | 6-phosphogluconate dehydrogenase, decarboxylating OS=Homo sapiens GN=PGD PE=1 SV=3   | 1.924 | #N/A  | #N/A  | 0        | -0.63447 | 2.66666667 |
| P18669 | Phosphoglycerate mutase 1 OS=Homo sapiens GN=PGAM1 PE=1 SV=2                         | 1.893 | 1.866 | 1.592 | 2.18047  | -0.6361  | 2.33333333 |
| P04075 | Fructose-bisphosphate aldolase A OS=Homo sapiens GN=ALDOA PE=1 SV=2                  | 1.844 | 1.817 | 1.651 | 2.32863  | -0.64962 | 1          |
| P08133 | Annexin A6 OS=Homo sapiens GN=ANXA6 PE=1 SV=3                                        | 1.548 | #N/A  | 1.974 | 0.400747 | -0.64974 | 4          |
| P15880 | 40S ribosomal protein S2 OS=Homo sapiens GN=RPS2 PE=1 SV=2                           | 1.81  | 1.738 | 1.734 | 1.8393   | -0.65763 | 0.66666667 |
| P36956 | Sterol regulatory element-binding protein 1 OS=Homo sapiens GN=SREBF1 PE=1 SV=2      | 1.903 | #N/A  | #N/A  | 0        | -0.66146 | 1.33333333 |
| Q14028 | Cyclic nucleotide-gated cation channel beta-1 OS=Homo sapiens GN=CNGB1 PE=1 SV=2     | 1.898 | #N/A  | #N/A  | 0        | -0.66789 | 0.33333333 |
| P25789 | Proteasome subunit alpha type-4 OS=Homo sapiens GN=PSMA4 PE=1 SV=1                   | 2.354 | #N/A  | 1.181 | 0.338442 | -0.67035 | 1.33333333 |
| Q8IXU6 | Solute carrier family 35 member F2 OS=Homo sapiens GN=SLC35F2 PE=1 SV=1              | 1.764 | 1.886 | #N/A  | 0.815893 | -0.67496 | 2.33333333 |
| Q08211 | ATP-dependent RNA helicase A OS=Homo sapiens GN=DHX9 PE=1 SV=4                       | 1.982 | 1.889 | 1.371 | 1.31854  | -0.689   | 2.33333333 |
| P05109 | Protein S100-A8 OS=Homo sapiens GN=S100A8 PE=1 SV=1                                  | 1.611 | 2.055 | 1.55  | 1.09651  | -0.70171 | 48         |

|        |                                                                                                 |       |       |       |          |          |              |
|--------|-------------------------------------------------------------------------------------------------|-------|-------|-------|----------|----------|--------------|
| P50897 | Palmitoyl-protein thioesterase 1 OS=Homo sapiens GN=PPT1 PE=1 SV=1                              | 1.98  | 1.313 | 1.808 | 1.0257   | -0.71821 | 3            |
| P04083 | Annexin A1 OS=Homo sapiens GN=ANXA1 PE=1 SV=2                                                   | 2.018 | 1.534 | 1.58  | 1.58171  | -0.71837 | 1.666666667  |
| P49207 | 60S ribosomal protein L34 OS=Homo sapiens GN=RPL34 PE=1 SV=3                                    | 1.597 | 1.83  | 1.683 | 1.35755  | -0.73586 | 0.333333333  |
| P62244 | 40S ribosomal protein S15a OS=Homo sapiens GN=RPS15A PE=1 SV=2                                  | 1.845 | #N/A  | #N/A  | 0        | -0.73602 | 0.666666667  |
| P62913 | 60S ribosomal protein L11 OS=Homo sapiens GN=RPL11 PE=1 SV=2                                    | 1.801 | 1.656 | 1.588 | 2.89664  | -0.75981 | 14.666666667 |
| P31944 | Caspase-14 OS=Homo sapiens GN=CASP14 PE=1 SV=2                                                  | 1.739 | #N/A  | 1.616 | 1.07608  | -0.77015 | 0.666666667  |
| P47914 | 60S ribosomal protein L29 OS=Homo sapiens GN=RPL29 PE=1 SV=2                                    | 1.994 | 1.425 | 1.575 | 1.45472  | -0.77373 | 0.333333333  |
| P41252 | Isoleucine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=IARS PE=1 SV=2                          | 1.811 | #N/A  | #N/A  | 0        | -0.77972 | 0.666666667  |
| Q06830 | Peroxiredoxin-1 OS=Homo sapiens GN=PRDX1 PE=1 SV=1                                              | 1.739 | 1.632 | 1.608 | 2.28437  | -0.78674 | 1            |
| P26373 | 60S ribosomal protein L13 OS=Homo sapiens GN=RPL13 PE=1 SV=4                                    | 1.777 | 1.589 | 1.609 | 2.30371  | -0.7869  | 0.666666667  |
| P05165 | Propionyl-CoA carboxylase alpha chain, mitochondrial OS=Homo sapiens GN=PCCA PE=1 SV=4          | 1.915 | 1.654 | 1.417 | 1.94863  | -0.78918 | 3            |
| Q86VP6 | Cullin-associated NEDD8-dissociated protein 1 OS=Homo sapiens GN=CAND1 PE=1 SV=2                | 2.214 | #N/A  | 1.13  | 0.424627 | -0.79497 | 3.333333333  |
| P04259 | Keratin, type II cytoskeletal 6B OS=Homo sapiens GN=KRT6B PE=1 SV=5                             | 1.951 | 1.627 | 1.348 | 1.64543  | -0.81561 | 1            |
| P46781 | 40S ribosomal protein S9 OS=Homo sapiens GN=RPS9 PE=1 SV=3                                      | 1.737 | 1.739 | 1.423 | 2.09373  | -0.82935 | 0.333333333  |
| Q9BSJ8 | Extended synaptotagmin-1 OS=Homo sapiens GN=ESYT1 PE=1 SV=1                                     | 1.827 | 1.518 | #N/A  | 1.16353  | -0.85128 | 1            |
| Q04695 | Keratin, type I cytoskeletal 17 OS=Homo sapiens GN=KRT17 PE=1 SV=2                              | 1.556 | 1.683 | 1.593 | 1.65685  | -0.85192 | 0.666666667  |
| P52565 | Rho GDP-dissociation inhibitor 1 OS=Homo sapiens GN=ARHGDI1 PE=1 SV=3                           | 1.738 | #N/A  | #N/A  | 0        | -0.87356 | 3            |
| Q8N1N4 | Keratin, type II cytoskeletal 78 OS=Homo sapiens GN=KRT78 PE=2 SV=2                             | 1.818 | 1.705 | 1.26  | 1.64119  | -0.88181 | 2.333333333  |
| Q8TAA3 | Proteasome subunit alpha type-7-like OS=Homo sapiens GN=PSMA8 PE=2 SV=3                         | 1.727 | #N/A  | #N/A  | 0        | -0.8877  | 0.333333333  |
| Q7Z794 | Keratin, type II cytoskeletal 1b OS=Homo sapiens GN=KRT77 PE=2 SV=3                             | 1.793 | 1.497 | 1.439 | 2.53548  | -0.89316 | 1            |
| P14923 | Junction plakoglobin OS=Homo sapiens GN=JUP PE=1 SV=3                                           | 1.627 | 1.566 | 1.528 | 2.26723  | -0.89688 | 0.666666667  |
| O15355 | Protein phosphatase 1G OS=Homo sapiens GN=PPM1G PE=1 SV=1                                       | 1.718 | #N/A  | #N/A  | 0        | -0.89927 | 1.666666667  |
| P02538 | Keratin, type II cytoskeletal 6A OS=Homo sapiens GN=KRT6A PE=1 SV=3                             | 1.724 | 1.567 | 1.365 | 2.72924  | -0.92874 | 2.666666667  |
| Q96RQ3 | Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial OS=Homo sapiens GN=MCCC1 PE=1 SV=3 | 1.743 | 1.33  | 1.537 | 1.81182  | -0.9358  | 1            |
| P15924 | Desmoplakin OS=Homo sapiens GN=DSP PE=1 SV=3                                                    | 1.551 | 1.509 | 1.517 | 2.05972  | -0.95682 | 0.333333333  |
| P40429 | 60S ribosomal protein L13a OS=Homo sapiens GN=RPL13A PE=1 SV=2                                  | 1.645 | 1.543 | 1.383 | 3.16959  | -0.96386 | 0.666666667  |
| Q07020 | 60S ribosomal protein L18 OS=Homo sapiens GN=RPL18 PE=1 SV=2                                    | 1.577 | 1.475 | 1.471 | 2.39158  | -0.97986 | 2.333333333  |
| Q01469 | Fatty acid-binding protein, epidermal OS=Homo sapiens GN=FABP5 PE=1 SV=3                        | 1.514 | 1.612 | #N/A  | 0.982743 | -0.99707 | 4            |
| P29508 | Serpin B3 OS=Homo sapiens GN=SERPINB3 PE=1 SV=2                                                 | 1.639 | #N/A  | #N/A  | 0        | -1.00082 | 1            |
| P11498 | Pyruvate carboxylase, mitochondrial OS=Homo sapiens GN=PC PE=1 SV=2                             | 1.609 | 1.527 | 1.334 | 2.85632  | -1.00776 | 0.333333333  |
| Q9UL46 | Proteasome activator complex subunit 2 OS=Homo sapiens GN=PSME2 PE=1 SV=4                       | 1.562 | 1.527 | #N/A  | 1.2824   | -1.01629 | 3.333333333  |
| P10599 | Thioredoxin OS=Homo sapiens GN=TXN PE=1 SV=3                                                    | 1.562 | 1.415 | 1.32  | 3.99096  | -1.07823 | 0.666666667  |
| Q9BT22 | Chitobiosyldiphosphodolichol beta-mannosyltransferase OS=Homo sapiens GN=ALG1 PE=1 SV=2         | 1.782 | 1.04  | 1.349 | 1.49953  | -1.11812 | 1            |
| P61313 | 60S ribosomal protein L15 OS=Homo sapiens GN=RPL15 PE=1 SV=2                                    | 1.483 | #N/A  | 1.324 | 1.41631  | -1.13303 | 10           |
| P27797 | Calreticulin OS=Homo sapiens GN=CALR PE=1 SV=1                                                  | 1.557 | #N/A  | 1.251 | 1.79151  | -1.13505 | 1            |
| Q10567 | AP-1 complex subunit beta-1 OS=Homo sapiens GN=AP1B1 PE=1 SV=2                                  | 1.532 | #N/A  | #N/A  | 0        | -1.13836 | 3            |
| Q86Y46 | Keratin, type II cytoskeletal 73 OS=Homo sapiens GN=KRT73 PE=1 SV=1                             | 1.324 | 1.338 | 1.45  | 1.79339  | -1.15158 | 1.333333333  |
| Q08554 | Desmocollin-1 OS=Homo sapiens GN=DSC1 PE=1 SV=2                                                 | 1.395 | 1.25  | 1.411 | 2.02701  | -1.17339 | 4.333333333  |
| P11717 | Cation-independent mannose-6-phosphate receptor OS=Homo sapiens GN=IGF2R PE=1 SV=3              | 1.461 | 1.222 | 1.365 | 2.27713  | -1.17693 | 0.666666667  |
| Q99698 | Lysosomal-trafficking regulator OS=Homo sapiens GN=LYST PE=1 SV=3                               | 1.439 | #N/A  | 1.288 | 1.4124   | -1.18576 | 1            |
| Q13085 | Acetyl-CoA carboxylase 1 OS=Homo sapiens GN=ACACA PE=1 SV=2                                     | 1.455 | 1.32  | 1.21  | 3.65601  | -1.2112  | 0.666666667  |
| P05089 | Arginase-1 OS=Homo sapiens GN=ARG1 PE=1 SV=2                                                    | 1.605 | #N/A  | 1.012 | 0.956752 | -1.26654 | 0.666666667  |
| Q02413 | Desmoglein-1 OS=Homo sapiens GN=DSG1 PE=1 SV=2                                                  | 1.236 | 1.161 | 1.25  | 2.24385  | -1.34938 | 13.666666667 |
| P08779 | Keratin, type I cytoskeletal 16 OS=Homo sapiens GN=KRT16 PE=1 SV=4                              | 1.482 | 1.006 | 1.144 | 2.25166  | -1.35285 | 1.333333333  |

|        |                                                                                |       |       |       |         |          |             |
|--------|--------------------------------------------------------------------------------|-------|-------|-------|---------|----------|-------------|
| P02533 | Keratin, type I cytoskeletal 14 OS=Homo sapiens GN=KRT14 PE=1 SV=4             | 1.202 | 1.227 | 0.937 | 2.36896 | -1.47976 | 4           |
| P13647 | Keratin, type II cytoskeletal 5 OS=Homo sapiens GN=KRT5 PE=1 SV=3              | 1.194 | 1.127 | 0.975 | 2.93204 | -1.50525 | 3.666666667 |
| P81605 | Dermcidin OS=Homo sapiens GN=DCD PE=1 SV=2                                     | 1.164 | 0.961 | 0.959 | 4.02937 | -1.59055 | 6.666666667 |
| P35527 | Keratin, type I cytoskeletal 9 OS=Homo sapiens GN=KRT9 PE=1 SV=3               | 1.084 | 1.043 | 0.909 | 2.84231 | -1.61527 | 14          |
| P02786 | Transferrin receptor protein 1 OS=Homo sapiens GN=TFRC PE=1 SV=2               | 1.224 | 0.854 | 0.791 | 2.68588 | -1.68295 | 6           |
| P04264 | Keratin, type II cytoskeletal 1 OS=Homo sapiens GN=KRT1 PE=1 SV=6              | 0.952 | 0.912 | 0.856 | 2.80251 | -1.74728 | 28.66666667 |
| P13473 | Lysosome-associated membrane glycoprotein 2 OS=Homo sapiens GN=LAMP2 PE=1 SV=2 | 0.992 | #N/A  | 0.84  | 1.70451 | -1.77736 | 1           |
| P07602 | Prosaposin OS=Homo sapiens GN=PSAP PE=1 SV=2                                   | 0.907 | 0.921 | 0.813 | 2.63504 | -1.7825  | 29          |
| P35908 | Keratin, type II cytoskeletal 2 epidermal OS=Homo sapiens GN=KRT2 PE=1 SV=2    | 0.949 | 0.874 | 0.772 | 3.04765 | -1.80153 | 28.66666667 |
| P13645 | Keratin, type I cytoskeletal 10 OS=Homo sapiens GN=KRT10 PE=1 SV=6             | 0.823 | 0.823 | 0.711 | 2.72177 | -1.90317 | 38.66666667 |

**Table S3.** Quantitative proteomic profiling of the enrichment experiments in HeLa.

| Accession | Description                                                                                                     | Abundance Ratio (127/126) |             |             | -Log <sub>10</sub><br>( <i>p</i> -value) | Log <sub>2</sub> -(LK<br>2-P1/Dea<br>d-Dayne) | Average<br>unique peptide | Significant &<br>Log <sub>2</sub> (enrichment) >2 |
|-----------|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------|-------------|------------------------------------------|-----------------------------------------------|---------------------------|---------------------------------------------------|
|           |                                                                                                                 | Replicate 1               | Replicate 2 | Replicate 3 |                                          |                                               |                           |                                                   |
| P21796    | Voltage-dependent anion-selective channel protein 1 OS=Homo sapiens GN=VDAC1 PE=1 SV=2                          | 21.042                    | 16.522      | 21.192      | 2.31879                                  | 5.08351                                       | 49                        | +                                                 |
| Q9HAV4    | Exportin-5 OS=Homo sapiens GN=XPO5 PE=1 SV=1                                                                    | 19.909                    | 9.485       | 16.706      | 1.15579                                  | 3.42613                                       | 1                         |                                                   |
| P45880    | Voltage-dependent anion-selective channel protein 2 OS=Homo sapiens GN=VDAC2 PE=1 SV=2                          | 13.733                    | 15.566      | 15.534      | 1.80815                                  | 3.42018                                       | 35.33333                  |                                                   |
| Q8TCJ2    | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B OS=Homo sapiens GN=STT3B PE=1 SV=1 | 17.136                    | 0           | 12.174      | 0.833021                                 | 3.04571                                       | 1                         |                                                   |
| P48201    | ATP synthase F(0) complex subunit C3, mitochondrial OS=Homo sapiens GN=ATP5G3 PE=2 SV=1                         | 14.032                    | 0           | 14.449      | 1.29247                                  | 2.94239                                       | 0.666667                  | +                                                 |
| P51572    | B-cell receptor-associated protein 31 OS=Homo sapiens GN=BCAP31 PE=1 SV=3                                       | 11.986                    | 12.487      | 12.919      | 2.04224                                  | 2.47218                                       | 5.333333                  |                                                   |
| Q5BJF2    | Transmembrane protein 97 OS=Homo sapiens GN=TMEM97 PE=1 SV=1                                                    | 13.446                    | 12.854      | 11.16       | 1.87352                                  | 2.46961                                       | 2.666667                  |                                                   |
| P35610    | Sterol O-acyltransferase 1 OS=Homo sapiens GN=SOAT1 PE=1 SV=3                                                   | 9.635                     | 12.658      | 14.537      | 1.23002                                  | 2.43055                                       | 1                         |                                                   |
| P31930    | Cytochrome b-c1 complex subunit 1, mitochondrial OS=Homo sapiens GN=UQCRC1 PE=1 SV=3                            | 7.829                     | 0           | 15.1        | 0.409094                                 | 2.00963                                       | 0.666667                  | +                                                 |
| P50416    | Carnitine O-palmitoyltransferase 1, liver isoform OS=Homo sapiens GN=CPT1A PE=1 SV=2                            | 12.437                    | 12.029      | 8.5         | 1.21884                                  | 1.91077                                       | 1.666667                  |                                                   |
| Q13011    | Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial OS=Homo sapiens GN=ECH1 PE=1 SV=2                    | 10.303                    | 9.715       | 11.415      | 1.97133                                  | 1.71191                                       | 11                        |                                                   |
| O75352    | Mannose-P-dolichol utilization defect 1 protein OS=Homo sapiens GN=MPDU1 PE=1 SV=2                              | 6.6                       | 14.056      | 9.68        | 0.65604                                  | 1.67596                                       | 1                         |                                                   |
| O00299    | Chloride intracellular channel protein 1 OS=Homo sapiens GN=CLIC1 PE=1 SV=4                                     | 16.455                    | 6.974       | 8.027       | 0.625729                                 | 1.60938                                       | 1.333333                  | +                                                 |
| P12004    | Proliferating cell nuclear antigen OS=Homo sapiens GN=PCNA PE=1 SV=1                                            | 11.38                     | 9.451       | 9.759       | 2.31399                                  | 1.59164                                       | 5                         |                                                   |
| P27797    | Calreticulin OS=Homo sapiens GN=CALR PE=1 SV=1                                                                  | 8.355                     | 9.65        | 11.64       | 1.20683                                  | 1.51021                                       | 5.333333                  |                                                   |
| Q15629    | Translocating chain-associated membrane protein 1 OS=Homo sapiens GN=TRAM1 PE=1 SV=3                            | 11.79                     | 8.503       | 9.128       | 1.50719                                  | 1.42879                                       | 2                         |                                                   |
| P42224    | Signal transducer and activator of transcription 1-alpha/beta OS=Homo sapiens GN=STAT1 PE=1 SV=2                | 6.52                      | 0           | 12.8        | 0.335312                                 | 1.35834                                       | 1                         | +                                                 |
| Q9P035    | Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3 OS=Homo sapiens GN=HACD3 PE=1 SV=2                         | 8.477                     | 9.485       | 8.956       | 1.49742                                  | 1.16763                                       | 1                         |                                                   |
| P07339    | Cathepsin D OS=Homo sapiens GN=CTSD PE=1 SV=1                                                                   | 9.596                     | 7.461       | 9.884       | 1.43792                                  | 1.13036                                       | 14                        |                                                   |
| O00410    | Importin-5 OS=Homo sapiens GN=IPO5 PE=1 SV=4                                                                    | 7.497                     | 10.714      | 8.027       | 0.827702                                 | 1.11078                                       | 3.666667                  |                                                   |
| O96005    | Cleft lip and palate transmembrane protein 1 OS=Homo sapiens GN=CLPTM1 PE=1 SV=1                                | 10.294                    | 0           | 7.752       | 0.661654                                 | 1.05849                                       | 0.666667                  | +                                                 |
| P46977    | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A OS=Homo sapiens GN=STT3A PE=1 SV=2 | 8.661                     | 7.983       | 8.985       | 2.18932                                  | 0.984738                                      | 2                         |                                                   |
| Q9H3U1    | Protein unc-45 homolog A OS=Homo sapiens GN=UNC45A PE=1 SV=1                                                    | 7.833                     | 9.69        | 7.4         | 0.91995                                  | 0.929553                                      | 1.666667                  |                                                   |
| O75844    | CAAX prenyl protease 1 homolog OS=Homo sapiens GN=ZMPSTE24 PE=1 SV=2                                            | 8.831                     | 7.283       | 9.097       | 1.55973                                  | 0.92129                                       | 4.333333                  |                                                   |
| Q9HB71    | Calcyclin-binding protein OS=Homo sapiens GN=CACYBP PE=1 SV=2                                                   | 9                         | 7.645       | 0           | 1.14205                                  | 0.894202                                      | 0.666667                  | +                                                 |
| P61026    | Ras-related protein Rab-10 OS=Homo sapiens GN=RAB10 PE=1 SV=1                                                   | 13.5                      | 5.867       | 6.025       | 0.396314                                 | 0.872938                                      | 3.666667                  |                                                   |
| P61158    | Actin-related protein 3 OS=Homo sapiens GN=ACTR3 PE=1 SV=3                                                      | 13.187                    | 7.041       | 4.724       | 0.372677                                 | 0.837824                                      | 1.333333                  |                                                   |
| P62826    | GTP-binding nuclear protein Ran OS=Homo sapiens GN=RAN PE=1 SV=3                                                | 10.662                    | 8.453       | 5.388       | 0.588394                                 | 0.829209                                      | 3.666667                  |                                                   |
| P48147    | Prolyl endopeptidase OS=Homo sapiens GN=PREP PE=1 SV=2                                                          | 8.188                     | 7.979       | 0           | 1.09211                                  | 0.825369                                      | 1.666667                  | +                                                 |
| P27824    | Calnexin OS=Homo sapiens GN=CANX PE=1 SV=2                                                                      | 7.806                     | 8.869       | 7.352       | 1.08592                                  | 0.807195                                      | 8                         |                                                   |
| P62979    | Ubiquitin-40S ribosomal protein S27a OS=Homo sapiens GN=RPS27A PE=1 SV=2                                        | 8.805                     | 7.562       | 7.716       | 2.02568                                  | 0.785199                                      | 7                         |                                                   |
| P50897    | Palmitoyl-protein thioesterase 1 OS=Homo sapiens GN=PPT1 PE=1 SV=1                                              | 9.865                     | 7.748       | 6.036       | 0.729709                                 | 0.722141                                      | 2.333333                  |                                                   |
| P08195    | 4F2 cell-surface antigen heavy chain OS=Homo sapiens GN=SLC3A2 PE=1 SV=3                                        | 6.642                     | 6.942       | 9.571       | 0.725047                                 | 0.685137                                      | 1                         | +                                                 |
| P24390    | ER lumen protein-retaining receptor 1 OS=Homo sapiens GN=KDELRL1 PE=1 SV=1                                      | 8.799                     | 8.609       | 5.606       | 0.624116                                 | 0.666775                                      | 1.666667                  |                                                   |

|        |                                                                                                 |        |        |        |           |          |          |
|--------|-------------------------------------------------------------------------------------------------|--------|--------|--------|-----------|----------|----------|
| Q15046 | Lysine--tRNA ligase OS=Homo sapiens GN=KARS PE=1 SV=3                                           | 7.269  | 0      | 8.324  | 0.642378  | 0.651074 | 0.666667 |
| O75534 | Cold shock domain-containing protein E1 OS=Homo sapiens GN=CSDE1 PE=1 SV=2                      | 10.359 | 6.466  | 6.135  | 0.541345  | 0.613444 | 2        |
| P29692 | Elongation factor 1-delta OS=Homo sapiens GN=EEF1D PE=1 SV=5                                    | 10.312 | 7.217  | 5.195  | 0.453036  | 0.594946 | 1        |
| O95202 | LETM1 and EF-hand domain-containing protein 1, mitochondrial OS=Homo sapiens GN=LETM1 PE=1 SV=1 | 10.875 | 6.381  | 5.58   | 0.416541  | 0.591183 | 3.333333 |
| Q99536 | Synaptic vesicle membrane protein VAT-1 homolog OS=Homo sapiens GN=VAT1 PE=1 SV=2               | 6.227  | 8.235  | 7.676  | 0.746178  | 0.581059 | 2.333333 |
| P09972 | Fructose-bisphosphate aldolase C OS=Homo sapiens GN=ALDOC PE=1 SV=2                             | 6.148  | 5.622  | 10.618 | 0.367461  | 0.577097 | 2.333333 |
| Q96T76 | MMS19 nucleotide excision repair protein homolog OS=Homo sapiens GN=MMS19 PE=1 SV=2             | 7.867  | 7.038  | 0      | 1.41477   | 0.575972 | 0.666667 |
| Q00341 | Vigilin OS=Homo sapiens GN=HDLBP PE=1 SV=2                                                      | 9.222  | 6.75   | 6.108  | 0.660678  | 0.520477 | 1.333333 |
| P52272 | Heterogeneous nuclear ribonucleoprotein M OS=Homo sapiens GN=HNRNPM PE=1 SV=3                   | 7.693  | 7.259  | 6.831  | 1.54134   | 0.507384 | 10.33333 |
| P61978 | Heterogeneous nuclear ribonucleoprotein K OS=Homo sapiens GN=HNRNPK PE=1 SV=1                   | 6.687  | 7.394  | 7.57   | 1.11293   | 0.503905 | 9.666667 |
| P23528 | Cofilin-1 OS=Homo sapiens GN=CFL1 PE=1 SV=3                                                     | 11.455 | 4.776  | 5.827  | 0.244871  | 0.466038 | 3.333333 |
| P55786 | Puromycin-sensitive aminopeptidase OS=Homo sapiens GN=NPEPPS PE=1 SV=2                          | 7.078  | 7.928  | 6.137  | 0.673964  | 0.443794 | 2.666667 |
| P24539 | ATP synthase F(0) complex subunit B1, mitochondrial OS=Homo sapiens GN=ATP5F1 PE=1 SV=2         | 6.746  | 7.617  | 6.528  | 0.808843  | 0.411851 | 2.333333 |
| P08708 | 40S ribosomal protein S17 OS=Homo sapiens GN=RPS17 PE=1 SV=2                                    | 9.143  | 7.516  | 4.448  | 0.310623  | 0.410928 | 2        |
| P00338 | L-lactate dehydrogenase A chain OS=Homo sapiens GN=LDHA PE=1 SV=2                               | 6.915  | 7.16   | 6.802  | 1.28316   | 0.401971 | 8.333333 |
| Q14498 | RNA-binding protein 39 OS=Homo sapiens GN=RBM39 PE=1 SV=2                                       | 4.083  | 9.267  | 0      | 0.110643  | 0.394462 | 0.666667 |
| P61353 | 60S ribosomal protein L27 OS=Homo sapiens GN=RPL27 PE=1 SV=2                                    | 7.446  | 6.529  | 6.89   | 1.93901   | 0.385963 | 2.666667 |
| P52597 | Heterogeneous nuclear ribonucleoprotein F OS=Homo sapiens GN=HNRNPF PE=1 SV=3                   | 6.468  | 6.9    | 7.353  | 1.03731   | 0.383927 | 5        |
| Q14697 | Neutral alpha-glucosidase AB OS=Homo sapiens GN=GANAB PE=1 SV=3                                 | 5.486  | 7.731  | 7      | 0.434341  | 0.343508 | 1        |
| Q9Y490 | Talin-1 OS=Homo sapiens GN=TLN1 PE=1 SV=3                                                       | 7.636  | 6.5    | 6.372  | 1.06815   | 0.339098 | 3        |
| P23284 | Peptidyl-prolyl cis-trans isomerase B OS=Homo sapiens GN=PPIB PE=1 SV=2                         | 7.267  | 4.37   | 9      | 0.241196  | 0.329925 | 1        |
| P07237 | Protein disulfide-isomerase OS=Homo sapiens GN=P4HB PE=1 SV=3                                   | 7.766  | 5.256  | 7.561  | 0.472082  | 0.329895 | 3.666667 |
| Q15392 | Delta(24)-sterol reductase OS=Homo sapiens GN=DHCR24 PE=1 SV=2                                  | 5.721  | 8.162  | 6.092  | 0.337521  | 0.316763 | 2        |
| P13010 | X-ray repair cross-complementing protein 5 OS=Homo sapiens GN=XRCC5 PE=1 SV=3                   | 6.993  | 7.356  | 5.814  | 0.574983  | 0.315055 | 4        |
| P16615 | Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 OS=Homo sapiens GN=ATP2A2 PE=1 SV=1         | 7.35   | 5.868  | 7.056  | 0.874661  | 0.304475 | 10.66667 |
| P40429 | 60S ribosomal protein L13a OS=Homo sapiens GN=RPL13A PE=1 SV=2                                  | 6.872  | 7.124  | 6.053  | 0.72041   | 0.299028 | 6.333333 |
| P04004 | Vitronectin OS=Homo sapiens GN=VTN PE=1 SV=1                                                    | 5.129  | 7.945  | 0      | 0.146509  | 0.298482 | 0.666667 |
| Q92973 | Transportin-1 OS=Homo sapiens GN=TNPO1 PE=1 SV=2                                                | 6.279  | 6.167  | 7.403  | 0.684371  | 0.267545 | 2.333333 |
| P07814 | Bifunctional glutamate/proline--tRNA ligase OS=Homo sapiens GN=EPRS PE=1 SV=5                   | 2.694  | 5.246  | 11.645 | 0.0895844 | 0.261534 | 1        |
| P40939 | Trifunctional enzyme subunit alpha, mitochondrial OS=Homo sapiens GN=HADHA PE=1 SV=2            | 6.691  | 5.329  | 7.907  | 0.371825  | 0.26119  | 7.333333 |
| P49720 | Proteasome subunit beta type-3 OS=Homo sapiens GN=PSMB3 PE=1 SV=2                               | 5.952  | 0      | 7.378  | 0.26204   | 0.250879 | 0.666667 |
| Q9Y5M8 | Signal recognition particle receptor subunit beta OS=Homo sapiens GN=SRPRB PE=1 SV=3            | 6.935  | 6.04   | 6.714  | 1.30159   | 0.238691 | 2        |
| Q92945 | Far upstream element-binding protein 2 OS=Homo sapiens GN=KHSRP PE=1 SV=4                       | 6.654  | 6.963  | 5.915  | 0.590888  | 0.234952 | 3.666667 |
| Q14566 | DNA replication licensing factor MCM6 OS=Homo sapiens GN=MCM6 PE=1 SV=1                         | 7.274  | 7.281  | 4.919  | 0.267474  | 0.225288 | 5.666667 |
| P13647 | Keratin, type II cytoskeletal 5 OS=Homo sapiens GN=KRT5 PE=1 SV=3                               | 4.59   | 10.625 | 3.646  | 0.0822579 | 0.224586 | 7.333333 |
| P49755 | Transmembrane emp24 domain-containing protein 10 OS=Homo sapiens GN=TMED10 PE=1 SV=2            | 5.548  | 7.76   | 5.942  | 0.259541  | 0.223025 | 2.666667 |
| Q15366 | Poly(rC)-binding protein 2 OS=Homo sapiens GN=PCBP2 PE=1 SV=1                                   | 7.379  | 6.172  | 5.976  | 0.648665  | 0.215481 | 5.666667 |
| P37268 | Squalene synthase OS=Homo sapiens GN=FDFT1 PE=1 SV=1                                            | 6.826  | 7.117  | 5.383  | 0.3464    | 0.209569 | 4        |
| P60842 | Eukaryotic initiation factor 4A-I OS=Homo sapiens GN=EIF4A1 PE=1 SV=1                           | 5.943  | 6.338  | 7.03   | 0.583359  | 0.206719 | 6.333333 |
| P61204 | ADP-ribosylation factor 3 OS=Homo sapiens GN=ARF3 PE=1 SV=2                                     | 7.512  | 6.471  | 5.442  | 0.384849  | 0.205447 | 2.333333 |
| Q92974 | Rho guanine nucleotide exchange factor 2 OS=Homo sapiens GN=ARHGEF2 PE=1 SV=4                   | 4.711  | 5.109  | 9.434  | 0.11971   | 0.196307 | 3.666667 |

|        |                                                                                                                      |       |       |        |            |             |           |
|--------|----------------------------------------------------------------------------------------------------------------------|-------|-------|--------|------------|-------------|-----------|
| O75153 | Clustered mitochondria protein homolog OS=Homo sapiens GN=CLUH PE=1 SV=2                                             | 6.292 | 6.649 | 6.238  | 0.736285   | 0.190744    | 5.333333  |
| O43390 | Heterogeneous nuclear ribonucleoprotein R OS=Homo sapiens GN=HNRNPR PE=1 SV=1                                        | 6.863 | 7.293 | 4.799  | 0.187655   | 0.165465    | 6.333333  |
| P14625 | Endoplasmic OS=Homo sapiens GN=HSP90B1 PE=1 SV=1                                                                     | 6.502 | 6.557 | 5.921  | 0.612617   | 0.162432    | 12        |
| Q92841 | Probable ATP-dependent RNA helicase DDX17 OS=Homo sapiens GN=DDX17 PE=1 SV=2                                         | 6.675 | 6.158 | 6.145  | 1.27115    | 0.154796    | 5.333333  |
| Q9Y4L1 | Hypoxia up-regulated protein 1 OS=Homo sapiens GN=HYOU1 PE=1 SV=1                                                    | 6.282 | 6.302 | 6.286  | 1.04143    | 0.147676    | 2.333333  |
| P34897 | Serine hydroxymethyltransferase, mitochondrial OS=Homo sapiens GN=SHMT2 PE=1 SV=3                                    | 7.926 | 4.787 | 6.468  | 0.175142   | 0.14742     | 1.666667  |
| Q9P258 | Protein RCC2 OS=Homo sapiens GN=RCC2 PE=1 SV=2                                                                       | 3.39  | 3.367 | 12.176 | 0.0432317  | 0.147009    | 1.333333  |
| P11940 | Polyadenylate-binding protein 1 OS=Homo sapiens GN=PABPC1 PE=1 SV=2                                                  | 6.271 | 6.899 | 5.617  | 0.30361    | 0.145684    | 4         |
| Q9BPX3 | Condensin complex subunit 3 OS=Homo sapiens GN=NCAPG PE=1 SV=1                                                       | 8.341 | 4.723 | 6.092  | 0.138685   | 0.138865    | 1.666667  |
| P60174 | Triosephosphate isomerase OS=Homo sapiens GN=TPI1 PE=1 SV=3                                                          | 5.233 | 8.903 | 4.136  | 0.0651273  | 0.120633    | 1         |
| Q99729 | Heterogeneous nuclear ribonucleoprotein A/B OS=Homo sapiens GN=HNRNPAB PE=1 SV=2                                     | 4.912 | 7.24  | 0      | 0.0665953  | 0.115625    | 1         |
| P26599 | Polypyrimidine tract-binding protein 1 OS=Homo sapiens GN=PTBP1 PE=1 SV=1                                            | 5.571 | 0     | 6.972  | 0.11872    | 0.110433    | 0.666667  |
| Q7L2E3 | Putative ATP-dependent RNA helicase DHX30 OS=Homo sapiens GN=DHX30 PE=1 SV=1                                         | 8.227 | 5.636 | 4.883  | 0.103499   | 0.101702    | 2.666667  |
| A5YKK6 | CCR4-NOT transcription complex subunit 1 OS=Homo sapiens GN=CNOT1 PE=1 SV=2                                          | 6.909 | 4.951 | 6.838  | 0.166192   | 0.10083     | 1.666667  |
| P31943 | Heterogeneous nuclear ribonucleoprotein H OS=Homo sapiens GN=HNRNPH1 PE=1 SV=4                                       | 5.554 | 6.14  | 6.701  | 0.245902   | 0.0944206   | 5.666667  |
| Q13347 | Eukaryotic translation initiation factor 3 subunit 1 OS=Homo sapiens GN=EIF3I PE=1 SV=1                              | 5.081 | 0     | 7.331  | 0.0640378  | 0.0940982   | 1         |
| Q15021 | Condensin complex subunit 1 OS=Homo sapiens GN=NCAPD2 PE=1 SV=3                                                      | 6.085 | 6.08  | 0      | 0.32125    | 0.0747717   | 1.333333  |
| P62888 | 60S ribosomal protein L30 OS=Homo sapiens GN=RPL30 PE=1 SV=2                                                         | 9.667 | 4.227 | 4.897  | 0.03983    | 0.0720838   | 2         |
| Q9HD45 | Transmembrane 9 superfamily member 3 OS=Homo sapiens GN=TM9SF3 PE=1 SV=2                                             | 5.791 | 4.638 | 7.904  | 0.0585942  | 0.0634656   | 1.333333  |
| Q14738 | Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform OS=Homo sapiens GN=PPP2R5D PE=1 SV=1 | 8.692 | 4.701 | 5.159  | 0.0459498  | 0.0596214   | 1.666667  |
| P14866 | Heterogeneous nuclear ribonucleoprotein L OS=Homo sapiens GN=HNRNPL PE=1 SV=2                                        | 6.379 | 3.351 | 8.655  | 0.0249327  | 0.0457718   | 1         |
| O00154 | Cytosolic acyl coenzyme A thioester hydrolase OS=Homo sapiens GN=ACOT7 PE=1 SV=3                                     | 6.495 | 6.185 | 5.367  | 0.11209    | 0.0414246   | 1         |
| P06493 | Cyclin-dependent kinase 1 OS=Homo sapiens GN=CDK1 PE=1 SV=3                                                          | 7.427 | 6.261 | 4.373  | 0.034412   | 0.0339505   | 3.333333  |
| P46778 | 60S ribosomal protein L21 OS=Homo sapiens GN=RPL21 PE=1 SV=2                                                         | 5.243 | 6.049 | 6.527  | 0.052102   | 0.0249962   | 1.333333  |
| P62244 | 40S ribosomal protein S15a OS=Homo sapiens GN=RPS15A PE=1 SV=2                                                       | 5.251 | 5.428 | 7.185  | 0.0305402  | 0.0219682   | 2         |
| P30050 | 60S ribosomal protein L12 OS=Homo sapiens GN=RPL12 PE=1 SV=1                                                         | 9.233 | 4.223 | 4.854  | 0.009914   | 0.0170173   | 1.666667  |
| Q12931 | Heat shock protein 75 kDa, mitochondrial OS=Homo sapiens GN=TRAP1 PE=1 SV=3                                          | 3.338 | 6.939 | 7.206  | 0.0108082  | 0.0164297   | 2.666667  |
| Q86Y46 | Keratin, type II cytoskeletal 73 OS=Homo sapiens GN=KRT73 PE=1 SV=1                                                  | 7.92  | 0     | 4.319  | 0.00679294 | 0.0149681   | 1.333333  |
| O60506 | Heterogeneous nuclear ribonucleoprotein Q OS=Homo sapiens GN=SYNCRIP PE=1 SV=2                                       | 6.74  | 5.949 | 5.167  | 0.0242819  | 0.0117433   | 8.333333  |
| Q8N1F7 | Nuclear pore complex protein Nup93 OS=Homo sapiens GN=NUP93 PE=1 SV=2                                                | 5.595 | 5.69  | 6.482  | 0.0286809  | 0.0097248   | 2         |
| Q07666 | KH domain-containing, RNA-binding, signal transduction-associated protein 1 OS=Homo sapiens GN=KHDRBS1 PE=1 SV=1     | 6.93  | 5.13  | 5.865  | 0.0138562  | 0.00697452  | 2.333333  |
| Q9BQG0 | Myb-binding protein 1A OS=Homo sapiens GN=MYBBP1A PE=1 SV=2                                                          | 5.771 | 5.657 | 6.322  | 0.0221168  | 0.00522099  | 3.333333  |
| P11166 | Solute carrier family 2, facilitated glucose transporter member 1 OS=Homo sapiens GN=SLC2A1 PE=1 SV=2                | 5.86  | 0     | 6.127  | 0.00758687 | 0.00199463  | 0.666667  |
| P17844 | Probable ATP-dependent RNA helicase DDX5 OS=Homo sapiens GN=DDX5 PE=1 SV=1                                           | 5.246 | 6.313 | 6.005  | 0.00635091 | -0.00310576 | 10.333333 |
| Q9P2J5 | Leucine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=LARS PE=1 SV=2                                                  | 5.46  | 6.443 | 5.587  | 0.0261396  | -0.0128732  | 3.333333  |
| P23526 | Adenosylhomocysteinase OS=Homo sapiens GN=AHCY PE=1 SV=4                                                             | 8.616 | 4.516 | 4.831  | 0.0107769  | -0.0152974  | 3         |
| P33992 | DNA replication licensing factor MCM5 OS=Homo sapiens GN=MCM5 PE=1 SV=5                                              | 4.606 | 5.211 | 7.684  | 0.0171605  | -0.0190352  | 1         |
| P39023 | 60S ribosomal protein L3 OS=Homo sapiens GN=RPL3 PE=1 SV=2                                                           | 5.391 | 6.132 | 5.937  | 0.0567984  | -0.0201164  | 2.333333  |
| P38606 | V-type proton ATPase catalytic subunit A OS=Homo sapiens GN=ATP6V1A PE=1 SV=2                                        | 6     | 5.667 | 0      | 1.4331     | -0.0251904  | 0.666667  |
| P07737 | Profilin-1 OS=Homo sapiens GN=PFN1 PE=1 SV=2                                                                         | 6.621 | 4.904 | 6.048  | 0.0760924  | -0.0364837  | 5         |
| P18077 | 60S ribosomal protein L35a OS=Homo sapiens GN=RPL35A PE=1 SV=2                                                       | 4.673 | 5.666 | 6.977  | 0.0470147  | -0.036516   | 2         |
| P33991 | DNA replication licensing factor MCM4 OS=Homo sapiens GN=MCM4 PE=1 SV=5                                              | 5.947 | 6.064 | 5.307  | 0.146116   | -0.0448214  | 2         |

|        |                                                                                                 |       |       |       |           |            |          |
|--------|-------------------------------------------------------------------------------------------------|-------|-------|-------|-----------|------------|----------|
| P49368 | T-complex protein 1 subunit gamma OS=Homo sapiens GN=CCT3 PE=1 SV=4                             | 6.102 | 5.658 | 5.608 | 0.454111  | -0.0458915 | 8        |
| P62263 | 40S ribosomal protein S14 OS=Homo sapiens GN=RPS14 PE=1 SV=3                                    | 8.944 | 4.891 | 3.858 | 0.0284579 | -0.0473159 | 1.666667 |
| P53985 | Monocarboxylate transporter 1 OS=Homo sapiens GN=SLC16A1 PE=1 SV=3                              | 4.846 | 0     | 6.747 | 0.0436965 | -0.0547251 | 0.666667 |
| Q9NQC3 | Reticulon-4 OS=Homo sapiens GN=RTN4 PE=1 SV=2                                                   | 5.585 | 5.768 | 5.879 | 0.375506  | -0.0555941 | 3.666667 |
| P25205 | DNA replication licensing factor MCM3 OS=Homo sapiens GN=MCM3 PE=1 SV=3                         | 5.149 | 5.683 | 6.367 | 0.139126  | -0.0560649 | 4.333333 |
| P61313 | 60S ribosomal protein L15 OS=Homo sapiens GN=RPL15 PE=1 SV=2                                    | 5.529 | 6.337 | 5.265 | 0.131234  | -0.0597133 | 1        |
| P62854 | 40S ribosomal protein S26 OS=Homo sapiens GN=RPS26 PE=1 SV=3                                    | 5.647 | 6.174 | 5.293 | 0.181547  | -0.0653651 | 1.333333 |
| P07900 | Heat shock protein HSP 90-alpha OS=Homo sapiens GN=HSP90AA1 PE=1 SV=5                           | 5.864 | 5.514 | 5.778 | 1.70674   | -0.0716024 | 19       |
| P25705 | ATP synthase subunit alpha, mitochondrial OS=Homo sapiens GN=ATP5A1 PE=1 SV=1                   | 5.891 | 5.684 | 5.409 | 0.65143   | -0.0909433 | 12.66667 |
| Q6UB35 | Monofunctional C1-tetrahydrofolate synthase, mitochondrial OS=Homo sapiens GN=MTHFD1L PE=1 SV=1 | 5.588 | 5.533 | 5.822 | 0.909946  | -0.0947794 | 1.333333 |
| Q9Y5B9 | FACT complex subunit SPT16 OS=Homo sapiens GN=SUPT16H PE=1 SV=1                                 | 5.254 | 6.303 | 5.259 | 0.206295  | -0.0963082 | 2.666667 |
| P21266 | Glutathione S-transferase Mu 3 OS=Homo sapiens GN=GSTM3 PE=1 SV=3                               | 6.889 | 0     | 4.661 | 0.075899  | -0.0964742 | 0.666667 |
| P62701 | 40S ribosomal protein S4, X isoform OS=Homo sapiens GN=RPS4X PE=1 SV=2                          | 5.831 | 5.785 | 5.304 | 0.495893  | -0.0968502 | 2        |
| Q99832 | T-complex protein 1 subunit eta OS=Homo sapiens GN=CCT7 PE=1 SV=2                               | 5.829 | 5.393 | 5.731 | 1.36065   | -0.0981129 | 8        |
| Q15365 | Poly(rC)-binding protein 1 OS=Homo sapiens GN=PCBP1 PE=1 SV=2                                   | 5.971 | 4.643 | 6.405 | 0.195617  | -0.101778  | 5.666667 |
| P23246 | Splicing factor, proline- and glutamine-rich OS=Homo sapiens GN=SFPQ PE=1 SV=2                  | 5.992 | 5.303 | 0     | 0.391711  | -0.101921  | 2        |
| P49411 | Elongation factor Tu, mitochondrial OS=Homo sapiens GN=TUFM PE=1 SV=2                           | 7.046 | 5.314 | 4.673 | 0.153152  | -0.10265   | 3.666667 |
| P78344 | Eukaryotic translation initiation factor 4 gamma 2 OS=Homo sapiens GN=EIF4G2 PE=1 SV=1          | 5.961 | 0     | 5.47  | 0.43963   | -0.10334   | 0.666667 |
| Q13151 | Heterogeneous nuclear ribonucleoprotein A0 OS=Homo sapiens GN=HNRNPA0 PE=1 SV=1                 | 4.136 | 5.937 | 6.607 | 0.129877  | -0.105936  | 3.333333 |
| P27348 | 14-3-3 protein theta OS=Homo sapiens GN=YWHAQ PE=1 SV=1                                         | 6.857 | 4.778 | 5.372 | 0.201047  | -0.111167  | 3        |
| P48643 | T-complex protein 1 subunit epsilon OS=Homo sapiens GN=CCT5 PE=1 SV=1                           | 6.189 | 5.253 | 5.445 | 0.552262  | -0.112203  | 4        |
| P48735 | Isocitrate dehydrogenase [NADP], mitochondrial OS=Homo sapiens GN=IDH2 PE=1 SV=2                | 5.629 | 5.426 | 5.66  | 1.8664    | -0.125042  | 4        |
| P62424 | 60S ribosomal protein L7a OS=Homo sapiens GN=RPL7A PE=1 SV=2                                    | 5.45  | 5.628 | 5.589 | 0.916794  | -0.126262  | 4.666667 |
| Q6P2E9 | Enhancer of mRNA-decapping protein 4 OS=Homo sapiens GN=EDC4 PE=1 SV=1                          | 8.808 | 2.594 | 5.879 | 0.0651774 | -0.128595  | 1.333333 |
| P00558 | Phosphoglycerate kinase 1 OS=Homo sapiens GN=PGK1 PE=1 SV=3                                     | 5.786 | 5.394 | 5.483 | 1.66558   | -0.133673  | 13.33333 |
| Q8IY81 | pre-rRNA processing protein FTSJ3 OS=Homo sapiens GN=FTSJ3 PE=1 SV=2                            | 5.809 | 6.305 | 4.45  | 0.209275  | -0.133714  | 1.333333 |
| P68104 | Elongation factor 1-alpha 1 OS=Homo sapiens GN=EEF1A1 PE=1 SV=1                                 | 5.623 | 5.423 | 5.533 | 2.57953   | -0.141922  | 13.66667 |
| P09622 | Dihydrolipoyl dehydrogenase, mitochondrial OS=Homo sapiens GN=DLD PE=1 SV=2                     | 5.557 | 0     | 5.627 | 0.858232  | -0.142723  | 0.666667 |
| P83731 | 60S ribosomal protein L24 OS=Homo sapiens GN=RPL24 PE=1 SV=1                                    | 5.646 | 5.467 | 5.453 | 1.75592   | -0.143186  | 3.666667 |
| P62937 | Peptidyl-prolyl cis-trans isomerase A OS=Homo sapiens GN=PPIA PE=1 SV=2                         | 6.138 | 6.028 | 4.339 | 0.240641  | -0.148475  | 4.333333 |
| O75369 | Filamin-B OS=Homo sapiens GN=FLNB PE=1 SV=2                                                     | 3.245 | 5.538 | 7.5   | 0.114487  | -0.150959  | 1.333333 |
| P62913 | 60S ribosomal protein L11 OS=Homo sapiens GN=RPL11 PE=1 SV=2                                    | 5.446 | 5.833 | 5.164 | 0.575617  | -0.151244  | 2        |
| P12956 | X-ray repair cross-complementing protein 6 OS=Homo sapiens GN=XRCC6 PE=1 SV=2                   | 5.258 | 5.818 | 5.301 | 0.606364  | -0.157585  | 11.33333 |
| O75083 | WD repeat-containing protein 1 OS=Homo sapiens GN=WDR1 PE=1 SV=4                                | 5.569 | 5.29  | 5.556 | 2.17386   | -0.16354   | 6        |
| Q9BVC6 | Transmembrane protein 109 OS=Homo sapiens GN=TMEM109 PE=1 SV=1                                  | 5.37  | 5.128 | 5.864 | 0.831221  | -0.170164  | 2.333333 |
| O95197 | Reticulon-3 OS=Homo sapiens GN=RTN3 PE=1 SV=2                                                   | 6.137 | 4.979 | 5.329 | 0.637317  | -0.170337  | 1.666667 |
| P23396 | 40S ribosomal protein S3 OS=Homo sapiens GN=RPS3 PE=1 SV=2                                      | 5.381 | 5.551 | 5.334 | 1.12839   | -0.176405  | 11.33333 |
| Q00839 | Heterogeneous nuclear ribonucleoprotein U OS=Homo sapiens GN=HNRNPU PE=1 SV=6                   | 5.697 | 5.576 | 5     | 0.768215  | -0.17867   | 13       |
| P05141 | ADP/ATP translocase 2 OS=Homo sapiens GN=SLC25A5 PE=1 SV=7                                      | 5.538 | 5.536 | 5.173 | 1.05375   | -0.180701  | 9.666667 |
| P62266 | 40S ribosomal protein S23 OS=Homo sapiens GN=RPS23 PE=1 SV=3                                    | 5.852 | 5.426 | 4.954 | 0.773417  | -0.187533  | 2.333333 |
| P46782 | 40S ribosomal protein S5 OS=Homo sapiens GN=RPS5 PE=1 SV=4                                      | 6.105 | 5.91  | 4.179 | 0.299175  | -0.188391  | 2.333333 |
| P07437 | Tubulin beta chain OS=Homo sapiens GN=TUBB PE=1 SV=2                                            | 5.945 | 5.03  | 5.281 | 0.893924  | -0.191015  | 17       |
| Q12906 | Interleukin enhancer-binding factor 3 OS=Homo sapiens GN=ILF3 PE=1 SV=3                         | 5.079 | 5.783 | 5.225 | 0.657709  | -0.192143  | 5.333333 |
| Q13263 | Transcription intermediary factor 1-beta OS=Homo sapiens GN=TRIM28 PE=1 SV=5                    | 4.515 | 4.789 | 6.833 | 0.262178  | -0.193379  | 1.666667 |

|        |                                                                                                                       |       |       |       |          |           |          |
|--------|-----------------------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|-----------|----------|
| P33993 | DNA replication licensing factor MCM7 OS=Homo sapiens GN=MCM7 PE=1 SV=4                                               | 4.184 | 3.292 | 8.757 | 0.105303 | -0.198373 | 1.666667 |
| P60953 | Cell division control protein 42 homolog OS=Homo sapiens GN=CDC42 PE=1 SV=2                                           | 4.085 | 7.358 | 4.32  | 0.159568 | -0.199832 | 2.333333 |
| Q07020 | 60S ribosomal protein L18 OS=Homo sapiens GN=RPL18 PE=1 SV=2                                                          | 5.081 | 5.111 | 5.9   | 0.749266 | -0.200778 | 4.666667 |
| P53396 | ATP-citrate synthase OS=Homo sapiens GN=ACLY PE=1 SV=3                                                                | 5.187 | 5.307 | 5.485 | 1.40696  | -0.213297 | 3.333333 |
| P49327 | Fatty acid synthase OS=Homo sapiens GN=FASN PE=1 SV=3                                                                 | 6.148 | 5.093 | 4.84  | 0.631195 | -0.214137 | 4.666667 |
| Q00325 | Phosphate carrier protein, mitochondrial OS=Homo sapiens GN=SLC25A3 PE=1 SV=2                                         | 6.572 | 5.201 | 4.261 | 0.364921 | -0.223162 | 3.333333 |
| P30876 | DNA-directed RNA polymerase II subunit RPB2 OS=Homo sapiens GN=POLR2B PE=1 SV=1                                       | 6.901 | 4.256 | 4.984 | 0.315806 | -0.226469 | 1.666667 |
| P30154 | Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform OS=Homo sapiens GN=PPP2R1B PE=1 SV=3 | 3.853 | 5.818 | 6.022 | 0.319636 | -0.227142 | 2        |
| P63244 | Receptor of activated protein C kinase 1 OS=Homo sapiens GN=RACK1 PE=1 SV=3                                           | 5.538 | 5.353 | 4.969 | 1.17526  | -0.23132  | 5        |
| P11021 | 78 kDa glucose-regulated protein OS=Homo sapiens GN=HSPA5 PE=1 SV=2                                                   | 5.665 | 4.971 | 5.259 | 1.34043  | -0.233617 | 5.333333 |
| Q04637 | Eukaryotic translation initiation factor 4 gamma 1 OS=Homo sapiens GN=EIF4G1 PE=1 SV=4                                | 6.253 | 5.01  | 4.659 | 0.565031 | -0.236197 | 1.333333 |
| P27708 | CAD protein OS=Homo sapiens GN=CAD PE=1 SV=3                                                                          | 6.219 | 4.364 | 5.353 | 0.512881 | -0.242959 | 2        |
| P51148 | Ras-related protein Rab-5C OS=Homo sapiens GN=RAB5C PE=1 SV=2                                                         | 4.72  | 5.372 | 5.587 | 0.822998 | -0.244554 | 2        |
| P32969 | 60S ribosomal protein L9 OS=Homo sapiens GN=RPL9 PE=1 SV=1                                                            | 5.534 | 5.488 | 4.707 | 0.829044 | -0.245704 | 4.333333 |
| P09874 | Poly [ADP-ribose] polymerase 1 OS=Homo sapiens GN=PARP1 PE=1 SV=4                                                     | 5.972 | 4.754 | 5.109 | 0.808307 | -0.247436 | 4        |
| P50502 | Hsc70-interacting protein OS=Homo sapiens GN=ST13 PE=1 SV=2                                                           | 3.326 | 4.363 | 7.943 | 0.17086  | -0.248917 | 1.333333 |
| P38646 | Stress-70 protein, mitochondrial OS=Homo sapiens GN=HSPA9 PE=1 SV=2                                                   | 4.844 | 5.679 | 5.091 | 0.773105 | -0.249779 | 2.666667 |
| Q96G23 | Ceramide synthase 2 OS=Homo sapiens GN=CERS2 PE=1 SV=1                                                                | 6.591 | 4.794 | 4.442 | 0.433619 | -0.254694 | 1        |
| P22102 | Trifunctional purine biosynthetic protein adenosine-3 OS=Homo sapiens GN=GART PE=1 SV=1                               | 4.889 | 5.091 | 5.635 | 1.03222  | -0.25823  | 4.666667 |
| P02786 | Transferrin receptor protein 1 OS=Homo sapiens GN=TFRC PE=1 SV=2                                                      | 6.125 | 5.013 | 4.569 | 0.64116  | -0.261472 | 3.666667 |
| P50395 | Rab GDP dissociation inhibitor beta OS=Homo sapiens GN=GDI2 PE=1 SV=2                                                 | 5.415 | 5.319 | 4.862 | 1.21391  | -0.263249 | 3.333333 |
| P60709 | Actin, cytoplasmic 1 OS=Homo sapiens GN=ACTB PE=1 SV=1                                                                | 5.049 | 5.446 | 5.028 | 1.15718  | -0.266549 | 22.66667 |
| Q15233 | Non-POU domain-containing octamer-binding protein OS=Homo sapiens GN=NONO PE=1 SV=4                                   | 5.353 | 5.759 | 4.34  | 0.590649 | -0.274419 | 7.333333 |
| P46783 | 40S ribosomal protein S10 OS=Homo sapiens GN=RPS10 PE=1 SV=1                                                          | 5.195 | 5.223 | 5.052 | 1.81892  | -0.277808 | 3        |
| Q99497 | Protein deglycase DJ-1 OS=Homo sapiens GN=PARK7 PE=1 SV=2                                                             | 5.174 | 4.516 | 5.792 | 0.791972 | -0.285801 | 1        |
| P02768 | Serum albumin OS=Homo sapiens GN=ALB PE=1 SV=2                                                                        | 5.221 | 4.996 | 5.21  | 2.83433  | -0.286559 | 1.333333 |
| Q9UQ80 | Proliferation-associated protein 2G4 OS=Homo sapiens GN=PA2G4 PE=1 SV=3                                               | 5.407 | 4.952 | 5.082 | 1.93675  | -0.287471 | 3        |
| P62136 | Serine/threonine-protein phosphatase PP1-alpha catalytic subunit OS=Homo sapiens GN=PPP1CA PE=1 SV=1                  | 5.544 | 4.475 | 5.411 | 0.930776 | -0.296901 | 2        |
| P62847 | 40S ribosomal protein S24 OS=Homo sapiens GN=RPS24 PE=1 SV=1                                                          | 5.149 | 5.198 | 4.952 | 1.72556  | -0.298901 | 3.666667 |
| P04083 | Annexin A1 OS=Homo sapiens GN=ANXA1 PE=1 SV=2                                                                         | 3.588 | 6.29  | 0     | 0.173658 | -0.306086 | 1        |
| P27635 | 60S ribosomal protein L10 OS=Homo sapiens GN=RPL10 PE=1 SV=4                                                          | 5.241 | 4.929 | 0     | 1.28128  | -0.306988 | 1        |
| P46781 | 40S ribosomal protein S9 OS=Homo sapiens GN=RPS9 PE=1 SV=3                                                            | 5.019 | 5.453 | 4.704 | 1.03513  | -0.309255 | 4.333333 |
| P62249 | 40S ribosomal protein S16 OS=Homo sapiens GN=RPS16 PE=1 SV=2                                                          | 5.898 | 5.579 | 3.752 | 0.468783 | -0.310611 | 3        |
| Q8NC51 | Plasminogen activator inhibitor 1 RNA-binding protein OS=Homo sapiens GN=SERBP1 PE=1 SV=2                             | 4.089 | 6.909 | 3.866 | 0.289369 | -0.317793 | 2.333333 |
| Q7KZF4 | Staphylococcal nuclease domain-containing protein 1 OS=Homo sapiens GN=SND1 PE=1 SV=1                                 | 5.425 | 4.698 | 5.1   | 1.46482  | -0.318257 | 1.333333 |
| P47756 | F-actin-capping protein subunit beta OS=Homo sapiens GN=CAPZB PE=1 SV=4                                               | 5.04  | 0     | 5.145 | 1.23236  | -0.320451 | 1        |
| P06744 | Glucose-6-phosphate isomerase OS=Homo sapiens GN=GPI PE=1 SV=4                                                        | 4.547 | 5.763 | 4.699 | 0.707378 | -0.320558 | 2        |
| P15924 | Desmoplakin OS=Homo sapiens GN=DSP PE=1 SV=3                                                                          | 7.514 | 3.901 | 4.059 | 0.290468 | -0.321003 | 1        |
| P40926 | Malate dehydrogenase, mitochondrial OS=Homo sapiens GN=MDH2 PE=1 SV=3                                                 | 4.06  | 5.308 | 5.615 | 0.671429 | -0.324682 | 3.666667 |
| P11142 | Heat shock cognate 71 kDa protein OS=Homo sapiens GN=HSPA8 PE=1 SV=1                                                  | 5.388 | 4.517 | 5.25  | 1.1955   | -0.328789 | 17       |
| P18124 | 60S ribosomal protein L7 OS=Homo sapiens GN=RPL7 PE=1 SV=1                                                            | 5.575 | 4.593 | 4.972 | 1.19255  | -0.331667 | 7.333333 |
| P10809 | 60 kDa heat shock protein, mitochondrial OS=Homo sapiens GN=HSPD1 PE=1 SV=2                                           | 4.401 | 5.337 | 5.209 | 0.954702 | -0.332511 | 14.33333 |

|        |                                                                                                              |       |       |       |          |           |          |
|--------|--------------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|-----------|----------|
| P42704 | Leucine-rich PPR motif-containing protein, mitochondrial OS=Homo sapiens GN=LRPPRC PE=1 SV=3                 | 5.114 | 4.573 | 5.407 | 1.24599  | -0.332586 | 4.333333 |
| Q9Y383 | Putative RNA-binding protein Luc7-like 2 OS=Homo sapiens GN=LUC7L2 PE=1 SV=2                                 | 4.466 | 5.782 | 4.64  | 0.694209 | -0.334446 | 1        |
| P39019 | 40S ribosomal protein S19 OS=Homo sapiens GN=RPS19 PE=1 SV=2                                                 | 4.882 | 4.893 | 5.229 | 1.81962  | -0.336822 | 4.333333 |
| P04843 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 OS=Homo sapiens GN=RPNI PE=1 SV=1   | 4.598 | 5.393 | 4.912 | 1.07129  | -0.339379 | 10.33333 |
| Q86VP6 | Cullin-associated NEDD8-dissociated protein 1 OS=Homo sapiens GN=CAND1 PE=1 SV=2                             | 5.761 | 4.826 | 4.481 | 0.938614 | -0.339463 | 2.666667 |
| P35579 | Myosin-9 OS=Homo sapiens GN=MYH9 PE=1 SV=4                                                                   | 4.855 | 5.153 | 4.941 | 1.64759  | -0.339789 | 28.33333 |
| P51149 | Ras-related protein Rab-7a OS=Homo sapiens GN=RAB7A PE=1 SV=1                                                | 4.756 | 5.033 | 5.153 | 1.63825  | -0.341218 | 4.666667 |
| Q14103 | Heterogeneous nuclear ribonucleoprotein D0 OS=Homo sapiens GN=HNRNPD PE=1 SV=1                               | 4.37  | 4.604 | 5.981 | 0.689117 | -0.341248 | 2        |
| P05023 | Sodium/potassium-transporting ATPase subunit alpha-1 OS=Homo sapiens GN=ATP1A1 PE=1 SV=1                     | 5.702 | 4.298 | 5.094 | 0.891859 | -0.342837 | 6.333333 |
| P30044 | Peroxisome oxidin-5, mitochondrial OS=Homo sapiens GN=PRDX5 PE=1 SV=4                                        | 5.885 | 5.185 | 3.933 | 0.628427 | -0.343974 | 1.333333 |
| E9PAV3 | Nascent polypeptide-associated complex subunit alpha, muscle-specific form OS=Homo sapiens GN=NACA PE=1 SV=1 | 5.644 | 4.953 | 4.384 | 0.964778 | -0.347244 | 3.333333 |
| P47914 | 60S ribosomal protein L29 OS=Homo sapiens GN=RPL29 PE=1 SV=2                                                 | 5.009 | 4.834 | 5.055 | 2.78755  | -0.352207 | 2.333333 |
| P13639 | Elongation factor 2 OS=Homo sapiens GN=EEF2 PE=1 SV=4                                                        | 4.624 | 4.882 | 5.326 | 1.35393  | -0.355513 | 16.66667 |
| P62851 | 40S ribosomal protein S25 OS=Homo sapiens GN=RPS25 PE=1 SV=1                                                 | 4.352 | 5.313 | 5.09  | 1.00828  | -0.356168 | 2        |
| P25398 | 40S ribosomal protein S12 OS=Homo sapiens GN=RPS12 PE=1 SV=3                                                 | 5.122 | 4.686 | 5.061 | 1.98292  | -0.359089 | 1.666667 |
| O60814 | Histone H2B type 1-K OS=Homo sapiens GN=HIST1H2BK PE=1 SV=3                                                  | 5.274 | 5.135 | 4.418 | 1.14904  | -0.359812 | 19.33333 |
| Q6P2Q9 | Pre-mRNA-processing-splicing factor 8 OS=Homo sapiens GN=PRPF8 PE=1 SV=2                                     | 5.84  | 4.787 | 4.288 | 0.838161 | -0.359886 | 5.333333 |
| Q08211 | ATP-dependent RNA helicase A OS=Homo sapiens GN=DHX9 PE=1 SV=4                                               | 3.941 | 5.499 | 5.221 | 0.711229 | -0.360772 | 8.333333 |
| P16403 | Histone H1.2 OS=Homo sapiens GN=HIST1H1C PE=1 SV=2                                                           | 4.446 | 5.514 | 4.734 | 0.913852 | -0.362023 | 18.33333 |
| P15880 | 40S ribosomal protein S2 OS=Homo sapiens GN=RPS2 PE=1 SV=2                                                   | 4.658 | 4.871 | 5.248 | 1.50489  | -0.362875 | 9        |
| P23921 | Ribonucleoside-diphosphate reductase large subunit OS=Homo sapiens GN=RRM1 PE=1 SV=1                         | 7.533 | 4.601 | 2.893 | 0.285192 | -0.367156 | 1.333333 |
| P22234 | Multifunctional protein ADE2 OS=Homo sapiens GN=PAICS PE=1 SV=3                                              | 4.456 | 4.892 | 5.359 | 1.19501  | -0.369064 | 4.333333 |
| P63104 | 14-3-3 protein zeta/delta OS=Homo sapiens GN=YWHAZ PE=1 SV=1                                                 | 5.937 | 4.847 | 4.034 | 0.721163 | -0.372187 | 2.333333 |
| O75390 | Citrate synthase, mitochondrial OS=Homo sapiens GN=CS PE=1 SV=2                                              | 6.473 | 3.895 | 4.55  | 0.533665 | -0.378738 | 2.333333 |
| P45974 | Ubiquitin carboxyl-terminal hydrolase 5 OS=Homo sapiens GN=USP5 PE=1 SV=2                                    | 5.478 |       | 4.417 | 0.5508   | -0.381754 | 1.333333 |
| P49257 | Protein ERGIC-53 OS=Homo sapiens GN=LMAN1 PE=1 SV=2                                                          | 6.487 | 0     | 3.493 | 0.222767 | -0.382565 | 1        |
| P36578 | 60S ribosomal protein L4 OS=Homo sapiens GN=RPL4 PE=1 SV=5                                                   | 4.545 | 4.956 | 5.08  | 1.54087  | -0.384826 | 10.33333 |
| O75643 | U5 small nuclear ribonucleoprotein 200 kDa helicase OS=Homo sapiens GN=SNRNP200 PE=1 SV=2                    | 4.885 | 4.035 | 5.785 | 0.753369 | -0.385811 | 3        |
| P62829 | 60S ribosomal protein L23 OS=Homo sapiens GN=RPL23 PE=1 SV=1                                                 | 4.623 | 4.683 | 5.266 | 1.46446  | -0.390555 | 5        |
| P63027 | Vesicle-associated membrane protein 2 OS=Homo sapiens GN=VAMP2 PE=1 SV=3                                     | 5.141 | 4.495 | 4.991 | 1.63498  | -0.392003 | 1        |
| Q5JXB2 | Putative ubiquitin-conjugating enzyme E2 N-like OS=Homo sapiens GN=UBE2NL PE=1 SV=1                          | 5.115 | 4.311 | 5.157 | 1.28403  | -0.399715 | 1.666667 |
| P04899 | Guanine nucleotide-binding protein G(i) subunit alpha-2 OS=Homo sapiens GN=GNAI2 PE=1 SV=3                   | 5.153 | 0     | 4.586 | 0.839157 | -0.405474 | 1.666667 |
| P68431 | Histone H3.1 OS=Homo sapiens GN=HIST1H3A PE=1 SV=2                                                           | 4.696 | 4.99  | 4.687 | 1.80042  | -0.411875 | 3.666667 |
| P61619 | Protein transport protein Sec61 subunit alpha isoform 1 OS=Homo sapiens GN=SEC61A1 PE=1 SV=2                 | 5.084 | 0     | 4.613 | 0.929093 | -0.412166 | 0.666667 |
| P22392 | Nucleoside diphosphate kinase B OS=Homo sapiens GN=NME2 PE=1 SV=1                                            | 4.651 | 0     | 4.965 | 1.02947  | -0.420119 | 3.333333 |
| O14980 | Exportin-1 OS=Homo sapiens GN=XPO1 PE=1 SV=1                                                                 | 6.028 | 3.429 | 5.129 | 0.570282 | -0.421511 | 1.333333 |
| Q14019 | Coactosin-like protein OS=Homo sapiens GN=COTL1 PE=1 SV=3                                                    | 4.64  | 4.849 | 0     | 1.04792  | -0.425687 | 0.666667 |
| P07195 | L-lactate dehydrogenase B chain OS=Homo sapiens GN=LDHB PE=1 SV=2                                            | 4.843 | 4.622 | 4.829 | 2.87253  | -0.42837  | 11.66667 |

|        |                                                                                             |       |       |       |          |           |           |
|--------|---------------------------------------------------------------------------------------------|-------|-------|-------|----------|-----------|-----------|
| Q9UDW1 | Cytochrome b-c1 complex subunit 9 OS=Homo sapiens GN=UQCR10 PE=1 SV=3                       | 5.038 | 0     | 4.567 | 0.941497 | -0.42856  | 0.666667  |
| P19338 | Nucleolin OS=Homo sapiens GN=NCL PE=1 SV=3                                                  | 5.237 | 4.404 | 4.699 | 1.50178  | -0.429985 | 10        |
| O00571 | ATP-dependent RNA helicase DDX3X OS=Homo sapiens GN=DDX3X PE=1 SV=3                         | 4.027 | 4.663 | 5.506 | 0.96195  | -0.431006 | 5         |
| P11586 | C-1-tetrahydrofolate synthase, cytoplasmic OS=Homo sapiens GN=MTHFD1 PE=1 SV=3              | 4.571 | 4.68  | 4.98  | 1.96579  | -0.43241  | 3         |
| P78371 | T-complex protein 1 subunit beta OS=Homo sapiens GN=CCT2 PE=1 SV=4                          | 4.272 | 5.278 | 4.582 | 1.11909  | -0.433207 | 7.333333  |
| P78527 | DNA-dependent protein kinase catalytic subunit OS=Homo sapiens GN=PRKDC PE=1 SV=3           | 4.324 | 5.121 | 4.628 | 1.32199  | -0.443271 | 9.666667  |
| Q99873 | Protein arginine N-methyltransferase 1 OS=Homo sapiens GN=PRMT1 PE=1 SV=2                   | 4.822 | 4.718 | 4.559 | 2.38031  | -0.451058 | 5.333333  |
| Q00610 | Clathrin heavy chain 1 OS=Homo sapiens GN=CLTC PE=1 SV=5                                    | 4.787 | 4.13  | 5.242 | 1.20608  | -0.451295 | 8.333333  |
| P26641 | Elongation factor 1-gamma OS=Homo sapiens GN=EEF1G PE=1 SV=3                                | 3.79  | 4.835 | 5.331 | 0.958141 | -0.455866 | 2         |
| P46779 | 60S ribosomal protein L28 OS=Homo sapiens GN=RPL28 PE=1 SV=3                                | 4.499 | 4.542 | 5.003 | 1.80717  | -0.456758 | 3.666667  |
| Q02878 | 60S ribosomal protein L6 OS=Homo sapiens GN=RPL6 PE=1 SV=3                                  | 5.279 | 4.394 | 4.427 | 1.39049  | -0.460417 | 7         |
| P62241 | 40S ribosomal protein S8 OS=Homo sapiens GN=RPS8 PE=1 SV=2                                  | 4.544 | 4.31  | 5.174 | 1.4151   | -0.46243  | 5.666667  |
| O60610 | Protein diaphanous homolog 1 OS=Homo sapiens GN=DIAPH1 PE=1 SV=2                            | 4.106 | 0     | 5.216 | 0.585226 | -0.465938 | 0.666667  |
| P04406 | Glyceraldehyde-3-phosphate dehydrogenase OS=Homo sapiens GN=GAPDH PE=1 SV=3                 | 4.549 | 4.741 | 4.662 | 2.35915  | -0.46601  | 19.333333 |
| P34932 | Heat shock 70 kDa protein 4 OS=Homo sapiens GN=HSPA4 PE=1 SV=4                              | 6.288 | 3.557 | 4.368 | 0.613201 | -0.468979 | 1.666667  |
| Q8TEX9 | Importin-4 OS=Homo sapiens GN=IPO4 PE=1 SV=2                                                | 3.588 | 4.744 | 5.5   | 0.844149 | -0.470307 | 1.666667  |
| Q10471 | Polypeptide N-acetylgalactosaminyltransferase 2 OS=Homo sapiens GN=GALNT2 PE=1 SV=1         | 4.9   | 0     | 4.462 | 1.00403  | -0.471589 | 0.666667  |
| P62906 | 60S ribosomal protein L10a OS=Homo sapiens GN=RPL10A PE=1 SV=2                              | 4.933 | 4.396 | 4.634 | 1.99038  | -0.47361  | 5.333333  |
| P62269 | 40S ribosomal protein S18 OS=Homo sapiens GN=RPS18 PE=1 SV=3                                | 4.561 | 4.615 | 4.722 | 2.77277  | -0.474585 | 1.333333  |
| P24534 | Elongation factor 1-beta OS=Homo sapiens GN=EEF1B2 PE=1 SV=3                                | 3.626 | 4.817 | 5.349 | 0.909189 | -0.474694 | 2         |
| P60866 | 40S ribosomal protein S20 OS=Homo sapiens GN=RPS20 PE=1 SV=1                                | 3.662 | 5.028 | 5.065 | 0.965934 | -0.47679  | 1         |
| Q01082 | Spectrin beta chain, non-erythrocytic 1 OS=Homo sapiens GN=SPTBN1 PE=1 SV=2                 | 3.947 | 4.936 | 4.896 | 1.22232  | -0.478208 | 6.666667  |
| Q01813 | ATP-dependent 6-phosphofructokinase, platelet type OS=Homo sapiens GN=PFKP PE=1 SV=2        | 4.452 | 4.547 | 4.855 | 2.0832   | -0.479789 | 2         |
| P31151 | Protein S100-A7 OS=Homo sapiens GN=S100A7 PE=1 SV=4                                         | 3.233 | 6.519 | 3.744 | 0.44748  | -0.483773 | 1         |
| Q6PKG0 | La-related protein 1 OS=Homo sapiens GN=LARP1 PE=1 SV=2                                     | 4.374 | 4.786 | 0     | 0.920253 | -0.483936 | 0.666667  |
| P08238 | Heat shock protein HSP 90-beta OS=Homo sapiens GN=HSP90AB1 PE=1 SV=4                        | 4.318 | 4.688 | 4.641 | 2.03501  | -0.502107 | 24.333333 |
| Q7Z2W4 | Zinc finger CCCH-type antiviral protein 1 OS=Homo sapiens GN=ZC3HAV1 PE=1 SV=3              | 3.866 | 5.087 | 0     | 0.549555 | -0.50794  | 0.666667  |
| P35908 | Keratin, type II cytoskeletal 2 epidermal OS=Homo sapiens GN=KRT2 PE=1 SV=2                 | 4.568 | 4.498 | 4.515 | 4.01437  | -0.515674 | 29.333333 |
| P55072 | Transitional endoplasmic reticulum ATPase OS=Homo sapiens GN=VCP PE=1 SV=4                  | 4.848 | 3.799 | 5.003 | 1.1741   | -0.519784 | 10.66667  |
| Q13813 | Spectrin alpha chain, non-erythrocytic 1 OS=Homo sapiens GN=SPTAN1 PE=1 SV=3                | 4.845 | 4.151 | 4.602 | 1.75365  | -0.521378 | 4.666667  |
| Q15019 | Septin-2 OS=Homo sapiens GN=SEPT2 PE=1 SV=1                                                 | 2.827 | 3.14  | 7.563 | 0.342699 | -0.52151  | 1         |
| Q9BVP2 | Guanine nucleotide-binding protein-like 3 OS=Homo sapiens GN=GNL3 PE=1 SV=2                 | 3.57  | 5.225 | 0     | 0.460978 | -0.529667 | 0.666667  |
| P08134 | Rho-related GTP-binding protein RhoC OS=Homo sapiens GN=RHOC PE=1 SV=1                      | 4.293 | 0     | 4.676 | 1.0875   | -0.534842 | 0.666667  |
| P62753 | 40S ribosomal protein S6 OS=Homo sapiens GN=RPS6 PE=1 SV=1                                  | 4.413 | 4.513 | 4.484 | 2.99917  | -0.535017 | 4         |
| P61604 | 10 kDa heat shock protein, mitochondrial OS=Homo sapiens GN=HSPE1 PE=1 SV=2                 | 5.127 | 4.03  | 4.319 | 1.37681  | -0.541309 | 1.666667  |
| P00505 | Aspartate aminotransferase, mitochondrial OS=Homo sapiens GN=GOT2 PE=1 SV=3                 | 5.049 | 4.181 | 4.195 | 1.50293  | -0.544715 | 1         |
| P22314 | Ubiquitin-like modifier-activating enzyme 1 OS=Homo sapiens GN=UBA1 PE=1 SV=3               | 4.206 | 4.324 | 4.796 | 1.86967  | -0.545777 | 9         |
| P50914 | 60S ribosomal protein L14 OS=Homo sapiens GN=RPL14 PE=1 SV=4                                | 4.914 | 4.137 | 4.355 | 1.68582  | -0.546195 | 3         |
| P30086 | Phosphatidylethanolamine-binding protein 1 OS=Homo sapiens GN=PEBP1 PE=1 SV=3               | 4.11  | 4.084 | 5.099 | 1.34097  | -0.55212  | 1.666667  |
| P46776 | 60S ribosomal protein L27a OS=Homo sapiens GN=RPL27A PE=1 SV=2                              | 4.617 | 4.118 | 4.527 | 2.03749  | -0.561087 | 3         |
| P40925 | Malate dehydrogenase, cytoplasmic OS=Homo sapiens GN=MDH1 PE=1 SV=4                         | 5.823 | 0     | 3.136 | 0.347983 | -0.561968 | 0.666667  |
| P35268 | 60S ribosomal protein L22 OS=Homo sapiens GN=RPL22 PE=1 SV=2                                | 4.003 | 4.425 | 4.738 | 1.75257  | -0.562042 | 2.666667  |
| P21333 | Filamin-A OS=Homo sapiens GN=FLNA PE=1 SV=4                                                 | 4.304 | 4.097 | 4.783 | 1.77773  | -0.567625 | 6.666667  |
| Q7L8L6 | FAST kinase domain-containing protein 5, mitochondrial OS=Homo sapiens GN=FASTKD5 PE=1 SV=1 | 4.129 | 0     | 4.639 | 1.00087  | -0.569611 | 0.666667  |

|        |                                                                                                         |       |       |       |          |           |           |
|--------|---------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|-----------|-----------|
| P62861 | 40S ribosomal protein S30 OS=Homo sapiens GN=FAU PE=1 SV=1                                              | 3.727 | 5.165 | 4.093 | 1.09945  | -0.571334 | 1.333333  |
| P42766 | 60S ribosomal protein L35 OS=Homo sapiens GN=RPL35 PE=1 SV=2                                            | 4.328 | 4.4   | 0     | 1.64532  | -0.57168  | 1         |
| Q00796 | Sorbitol dehydrogenase OS=Homo sapiens GN=SORD PE=1 SV=4                                                | 3.75  | 4.11  | 5.222 | 1.15918  | -0.574027 | 1.666667  |
| P17987 | T-complex protein 1 subunit alpha OS=Homo sapiens GN=TCP1 PE=1 SV=1                                     | 4.429 | 4.319 | 4.363 | 3.64058  | -0.575025 | 6.333333  |
| P50991 | T-complex protein 1 subunit delta OS=Homo sapiens GN=CCT4 PE=1 SV=4                                     | 4.558 | 3.81  | 4.782 | 1.45395  | -0.578591 | 6.666667  |
| P06576 | ATP synthase subunit beta, mitochondrial OS=Homo sapiens GN=ATP5B PE=1 SV=3                             | 3.975 | 4.658 | 4.345 | 1.76463  | -0.581901 | 10.333333 |
| P46940 | Ras GTPase-activating-like protein IQGAP1 OS=Homo sapiens GN=IQGAP1 PE=1 SV=1                           | 3.86  | 4.807 | 4.199 | 1.48932  | -0.592509 | 1.666667  |
| P62917 | 60S ribosomal protein L8 OS=Homo sapiens GN=RPL8 PE=1 SV=2                                              | 4.917 | 3.097 | 5.091 | 0.862993 | -0.597934 | 1.666667  |
| P28074 | Proteasome subunit beta type-5 OS=Homo sapiens GN=PSMB5 PE=1 SV=3                                       | 3.595 | 4.87  | 0     | 0.61144  | -0.598926 | 0.666667  |
| P14618 | Pyruvate kinase PKM OS=Homo sapiens GN=PKM PE=1 SV=4                                                    | 5.521 | 3.96  | 3.556 | 0.979086 | -0.601176 | 18        |
| P60900 | Proteasome subunit alpha type-6 OS=Homo sapiens GN=PSMA6 PE=1 SV=1                                      | 4.675 | 0     | 3.961 | 0.871966 | -0.603238 | 0.666667  |
| P49748 | Very long-chain specific acyl-CoA dehydrogenase, mitochondrial OS=Homo sapiens GN=ACADVL PE=1 SV=1      | 4.546 | 4.178 | 4.166 | 2.27999  | -0.60572  | 3.666667  |
| P31948 | Stress-induced-phosphoprotein 1 OS=Homo sapiens GN=STIP1 PE=1 SV=1                                      | 4.015 | 5.672 | 2.988 | 0.716693 | -0.606071 | 2.333333  |
| P53621 | Coatomeer subunit alpha OS=Homo sapiens GN=COPA PE=1 SV=2                                               | 3.797 | 4.632 | 4.249 | 1.67123  | -0.617589 | 2.333333  |
| Q9BTT0 | Acidic leucine-rich nuclear phosphoprotein 32 family member E OS=Homo sapiens GN=ANP32E PE=1 SV=1       | 4.898 | 3.966 | 3.939 | 1.50732  | -0.623322 | 5.333333  |
| P62750 | 60S ribosomal protein L23a OS=Homo sapiens GN=RPL23A PE=1 SV=1                                          | 4.357 | 3.843 | 4.566 | 1.77217  | -0.623657 | 3.333333  |
| P17812 | CTP synthase 1 OS=Homo sapiens GN=CTPS1 PE=1 SV=2                                                       | 4.45  | 4.17  | 4.038 | 2.30657  | -0.633611 | 2         |
| P84098 | 60S ribosomal protein L19 OS=Homo sapiens GN=RPL19 PE=1 SV=1                                            | 3.91  | 4.225 | 4.406 | 2.2345   | -0.641455 | 2.333333  |
| P18621 | 60S ribosomal protein L17 OS=Homo sapiens GN=RPL17 PE=1 SV=3                                            | 4.239 | 4.282 | 4.041 | 2.63057  | -0.641683 | 4.333333  |
| P62805 | Histone H4 OS=Homo sapiens GN=HIST1H4A PE=1 SV=2                                                        | 4.156 | 4.118 | 4.297 | 3.0987   | -0.641904 | 18.66667  |
| P40227 | T-complex protein 1 subunit zeta OS=Homo sapiens GN=CCT6A PE=1 SV=3                                     | 4.354 | 4.032 | 4.161 | 2.53391  | -0.648248 | 4.333333  |
| P50990 | T-complex protein 1 subunit theta OS=Homo sapiens GN=CCT8 PE=1 SV=4                                     | 3.55  | 4.562 | 4.249 | 1.5794   | -0.655236 | 7         |
| P04075 | Fructose-bisphosphate aldolase A OS=Homo sapiens GN=ALDOA PE=1 SV=2                                     | 4.533 | 4.073 | 3.817 | 1.88235  | -0.665069 | 10.333333 |
| Q9Y262 | Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=1 SV=1                 | 4.343 | 3.842 | 4.205 | 2.1267   | -0.670253 | 1         |
| P26640 | Valine--tRNA ligase OS=Homo sapiens GN=VARS PE=1 SV=4                                                   | 4.675 | 4.207 | 3.394 | 1.41445  | -0.683063 | 1         |
| Q15393 | Splicing factor 3B subunit 3 OS=Homo sapiens GN=SF3B3 PE=1 SV=4                                         | 3.512 | 4.052 | 4.579 | 1.63996  | -0.688923 | 3.666667  |
| P04264 | Keratin, type II cytoskeletal 1 OS=Homo sapiens GN=KRT1 PE=1 SV=6                                       | 3.817 | 4.191 | 4.143 | 2.49856  | -0.689376 | 38.333333 |
| P28288 | ATP-binding cassette sub-family D member 3 OS=Homo sapiens GN=ABCD3 PE=1 SV=1                           | 1.6   | 3     | 7.455 | 0.405646 | -0.693272 | 1         |
| P18085 | ADP-ribosylation factor 4 OS=Homo sapiens GN=ARF4 PE=1 SV=3                                             | 3.409 | 4.493 | 4.115 | 1.59324  | -0.697391 | 2.333333  |
| P13645 | Keratin, type I cytoskeletal 10 OS=Homo sapiens GN=KRT10 PE=1 SV=6                                      | 4.068 | 3.903 | 4.146 | 2.77162  | -0.700322 | 32.333333 |
| P46777 | 60S ribosomal protein L5 OS=Homo sapiens GN=RPL5 PE=1 SV=3                                              | 5.267 | 2.663 | 4.415 | 0.849891 | -0.702219 | 1.666667  |
| P14324 | Farnesyl pyrophosphate synthase OS=Homo sapiens GN=FDPS PE=1 SV=4                                       | 3.563 | 4.819 | 3.52  | 1.2948   | -0.708901 | 1.333333  |
| Q07021 | Complement component 1 Q subcomponent-binding protein, mitochondrial OS=Homo sapiens GN=C1QBP PE=1 SV=1 | 5.911 | 2.833 | 3.572 | 0.762536 | -0.710576 | 2         |
| P62899 | 60S ribosomal protein L31 OS=Homo sapiens GN=RPL31 PE=1 SV=1                                            | 3.98  | 4.36  | 3.558 | 1.80715  | -0.720296 | 1         |
| P29401 | Transketolase OS=Homo sapiens GN=TKT PE=1 SV=3                                                          | 3.623 | 4.272 | 3.953 | 2.08731  | -0.723791 | 4.666667  |
| P05387 | 60S acidic ribosomal protein P2 OS=Homo sapiens GN=RPLP2 PE=1 SV=1                                      | 2.676 | 4.13  | 4.951 | 1.05804  | -0.726629 | 3         |
| P26373 | 60S ribosomal protein L13 OS=Homo sapiens GN=RPL13 PE=1 SV=4                                            | 4.095 | 3.615 | 4.094 | 2.10127  | -0.743483 | 3.666667  |
| Q9Y3U8 | 60S ribosomal protein L36 OS=Homo sapiens GN=RPL36 PE=1 SV=3                                            | 3.777 | 4.007 | 3.942 | 3.18782  | -0.744292 | 4         |
| P49736 | DNA replication licensing factor MCM2 OS=Homo sapiens GN=MCM2 PE=1 SV=4                                 | 3.058 | 4.031 | 4.507 | 1.45416  | -0.752207 | 1.666667  |
| P62910 | 60S ribosomal protein L32 OS=Homo sapiens GN=RPL32 PE=1 SV=2                                            | 3.829 | 3.845 | 3.918 | 3.80923  | -0.763747 | 8.666667  |
| P62277 | 40S ribosomal protein S13 OS=Homo sapiens GN=RPS13 PE=1 SV=2                                            | 3.561 | 4.196 | 3.77  | 2.13647  | -0.764053 | 1         |
| P32119 | Peroxisomal protein 2 OS=Homo sapiens GN=PRDX2 PE=1 SV=5                                                | 3.236 | 4.421 | 3.812 | 1.61069  | -0.764593 | 2.666667  |

|        |                                                                                                            |       |       |       |          |           |          |
|--------|------------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|-----------|----------|
| P35527 | Keratin, type I cytoskeletal 9 OS=Homo sapiens GN=KRT9 PE=1 SV=3                                           | 3.875 | 3.725 | 3.987 | 2.73653  | -0.766523 | 20       |
| P62280 | 40S ribosomal protein S11 OS=Homo sapiens GN=RPS11 PE=1 SV=3                                               | 4.177 | 3.631 | 3.76  | 2.12279  | -0.773501 | 2.333333 |
| P08133 | Annexin A6 OS=Homo sapiens GN=ANXA6 PE=1 SV=3                                                              | 3.883 | 3.741 | 3.899 | 2.97554  | -0.774347 | 6.333333 |
| P26038 | Moesin OS=Homo sapiens GN=MSN PE=1 SV=3                                                                    | 4.181 | 4.037 | 3.216 | 1.68822  | -0.784622 | 7.333333 |
| P11766 | Alcohol dehydrogenase class-3 OS=Homo sapiens GN=ADH5 PE=1 SV=4                                            | 4.434 | 3.259 | 0     | 0.736835 | -0.789925 | 0.666667 |
| P06733 | Alpha-enolase OS=Homo sapiens GN=ENO1 PE=1 SV=2                                                            | 3.449 | 3.773 | 4.082 | 2.26122  | -0.796352 | 17       |
| P06748 | Nucleophosmin OS=Homo sapiens GN=NPM1 PE=1 SV=2                                                            | 3.124 | 3.809 | 4.322 | 1.68559  | -0.798371 | 8        |
| P31939 | Bifunctional purine biosynthesis protein PURH OS=Homo sapiens GN=ATIC PE=1 SV=3                            | 3.761 | 3.962 | 3.558 | 2.5221   | -0.800048 | 1.666667 |
| P61221 | ATP-binding cassette sub-family E member 1 OS=Homo sapiens GN=ABCE1 PE=1 SV=1                              | 3.273 | 4.061 | 3.848 | 2.05278  | -0.805622 | 2.333333 |
|        | Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial OS=Homo sapiens GN=MCCC1 PE=1 SV=3            | 3.848 | 3.692 | 3.646 | 2.84989  | -0.816524 | 15.33333 |
| Q96RQ3 |                                                                                                            |       |       |       |          |           |          |
| Q02543 | 60S ribosomal protein L18a OS=Homo sapiens GN=RPL18A PE=1 SV=2                                             | 3.663 | 3.656 | 3.703 | 3.65513  | -0.835368 | 4.333333 |
| P02533 | Keratin, type I cytoskeletal 14 OS=Homo sapiens GN=KRT14 PE=1 SV=4                                         | 3.378 | 3.809 | 3.74  | 2.71828  | -0.841937 | 8.333333 |
| P12268 | Inosine-5'-monophosphate dehydrogenase 2 OS=Homo sapiens GN=IMPDH2 PE=1 SV=2                               | 4.279 | 3.161 | 3.616 | 1.62894  | -0.844724 | 2.333333 |
| P10412 | Histone H1.4 OS=Homo sapiens GN=HIST1H1E PE=1 SV=2                                                         | 3.705 | 3.575 | 3.658 | 3.03409  | -0.847385 | 21.66667 |
| P16401 | Histone H1.5 OS=Homo sapiens GN=HIST1H1B PE=1 SV=3                                                         | 3.648 | 3.537 | 3.474 | 2.95331  | -0.881959 | 22.66667 |
| P55209 | Nucleosome assembly protein 1-like 1 OS=Homo sapiens GN=NAP1L1 PE=1 SV=1                                   | 2.565 | 5.581 | 2.157 | 0.776711 | -0.886202 | 1        |
| Q7L2H7 | Eukaryotic translation initiation factor 3 subunit M OS=Homo sapiens GN=EIF3M PE=1 SV=1                    |       | 2.265 | 4.973 | 0.461364 | -0.895269 | 2        |
| P25789 | Proteasome subunit alpha type-4 OS=Homo sapiens GN=PSMA4 PE=1 SV=1                                         | 2.909 |       | 3.991 | 0.90794  | -0.897759 | 1.666667 |
| P18669 | Phosphoglycerate mutase 1 OS=Homo sapiens GN=PGAM1 PE=1 SV=2                                               | 3.595 | 3.571 | 3.344 | 2.81807  | -0.899429 | 3.333333 |
|        | Pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15 OS=Homo sapiens GN=DHX15 PE=1 SV=2               | 3.713 | 3.337 | 3.397 | 2.4085   | -0.911775 | 1.666667 |
| O43143 |                                                                                                            |       |       |       |          |           |          |
| P37802 | Transgelin-2 OS=Homo sapiens GN=TAGLN2 PE=1 SV=3                                                           | 4.765 | 2.389 | 0     | 0.519121 | -0.91382  | 0.666667 |
| P08865 | 40S ribosomal protein SA OS=Homo sapiens GN=RPSA PE=1 SV=4                                                 | 3.988 | 3.574 | 2.833 | 1.71596  | -0.918009 | 4        |
| P49207 | 60S ribosomal protein L34 OS=Homo sapiens GN=RPL34 PE=1 SV=3                                               | 3.476 | 3.317 | 3.522 | 2.79218  | -0.925849 | 3.333333 |
|        | Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial OS=Homo sapiens GN=SDHA PE=1 SV=2 | 3.28  | 3.83  | 3.094 | 2.15816  | -0.930439 | 1        |
| P31040 |                                                                                                            |       |       |       |          |           |          |
| P53618 | Coatomer subunit beta OS=Homo sapiens GN=COPB1 PE=1 SV=3                                                   | 3.65  | 3.11  | 0     | 1.05927  | -0.954011 | 0.666667 |
| Q14974 | Importin subunit beta-1 OS=Homo sapiens GN=KPNB1 PE=1 SV=2                                                 | 4.014 | 2.752 | 3.403 | 1.60002  | -0.957682 | 4.666667 |
| P05388 | 60S acidic ribosomal protein P0 OS=Homo sapiens GN=RPLP0 PE=1 SV=1                                         | 3.062 | 3.648 | 3.221 | 2.55509  | -0.964475 | 4        |
| P05165 | Propionyl-CoA carboxylase alpha chain, mitochondrial OS=Homo sapiens GN=PCCA PE=1 SV=4                     | 3.407 | 3.426 | 3.056 | 2.60378  | -0.976543 | 13.33333 |
| Q13085 | Acetyl-CoA carboxylase 1 OS=Homo sapiens GN=ACACA PE=1 SV=2                                                | 3.43  | 3.149 | 3.337 | 2.58239  | -0.977247 | 55.33333 |
| P67809 | Nuclease-sensitive element-binding protein 1 OS=Homo sapiens GN=YBX1 PE=1 SV=3                             | 2.984 | 3.782 | 3     | 2.09743  | -0.982284 | 2.666667 |
| P08779 | Keratin, type I cytoskeletal 16 OS=Homo sapiens GN=KRT16 PE=1 SV=4                                         | 2.648 | 3.545 | 3.324 | 2.23754  | -1.01279  | 6        |
| P61981 | 14-3-3 protein gamma OS=Homo sapiens GN=YWHAG PE=1 SV=2                                                    | 3.087 | 3.183 | 0     | 1.8935   | -1.03457  | 1.333333 |
| P28066 | Proteasome subunit alpha type-5 OS=Homo sapiens GN=PSMA5 PE=1 SV=3                                         | 3.093 | 3.877 | 2.368 | 1.62855  | -1.03538  | 1        |
| P11498 | Pyruvate carboxylase, mitochondrial OS=Homo sapiens GN=PC PE=1 SV=2                                        | 3.252 | 3.046 | 3.008 | 2.6848   | -1.05253  | 28.66667 |
| Q13435 | Splicing factor 3B subunit 2 OS=Homo sapiens GN=SF3B2 PE=1 SV=2                                            | 2.846 | 3.212 | 0     | 1.80726  | -1.06952  | 0.666667 |
| P62258 | 14-3-3 protein epsilon OS=Homo sapiens GN=YWHAE PE=1 SV=1                                                  | 3.278 | 3.206 | 2.629 | 2.23691  | -1.0746   | 2        |
| P56192 | Methionine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=MARS PE=1 SV=2                                     | 3.107 | 2.879 | 2.864 | 2.64816  | -1.10991  | 1.333333 |
| P81605 | Dermcidin OS=Homo sapiens GN=DCD PE=1 SV=2                                                                 | 2.886 | 2.497 | 3.172 | 2.15768  | -1.14939  | 1.666667 |
| P01040 | Cystatin-A OS=Homo sapiens GN=CSTA PE=1 SV=1                                                               | 2.554 | 2.933 | 2.954 | 3.32019  | -1.15392  | 1.333333 |
| P02538 | Keratin, type II cytoskeletal 6A OS=Homo sapiens GN=KRT6A PE=1 SV=3                                        | 2.782 | 0     | 2.679 | 1.59484  | -1.16397  | 6.333333 |
| P36542 | ATP synthase subunit gamma, mitochondrial OS=Homo sapiens GN=ATP5C1 PE=1 SV=1                              | 1.763 | 3.357 | 3.067 | 1.80482  | -1.17096  | 1        |
| Q8WY22 | BRI3-binding protein OS=Homo sapiens GN=BRI3BP PE=1 SV=1                                                   | 2.726 | 2.671 | 2.894 | 2.84273  | -1.17805  | 1        |

|        |                                                              |       |       |       |         |          |          |
|--------|--------------------------------------------------------------|-------|-------|-------|---------|----------|----------|
| P61247 | 40S ribosomal protein S3a OS=Homo sapiens GN=RPS3A PE=1 SV=2 | 2.322 | 2.398 | 2.467 | 3.19486 | -1.31459 | 3        |
| Q06830 | Peroxiredoxin-1 OS=Homo sapiens GN=PRDX1 PE=1 SV=1           | 2.296 | 2.379 | 2.487 | 3.14415 | -1.31767 | 6.666667 |

**Table S4.** Quantitative proteomic profiling of the competition experiments in HeLa.

| Accession | Description                                                                                         | Abundance Ratio (127/126) |             |             | -Log <sub>10</sub><br>(p-value) | Log <sub>2</sub> -(LK<br>2-P1/LRR<br>K2-IN-1) | Average<br>unique peptide | Significant &<br>Log <sub>2</sub> (enrichment) >2 |
|-----------|-----------------------------------------------------------------------------------------------------|---------------------------|-------------|-------------|---------------------------------|-----------------------------------------------|---------------------------|---------------------------------------------------|
|           |                                                                                                     | Replicate 1               | Replicate 2 | Replicate 3 |                                 |                                               |                           |                                                   |
| P08133    | Annexin A6 OS=Homo sapiens GN=ANXA6 PE=1 SV=3                                                       | 3.172                     | 2.388       | 8.024       | 4.18554                         | -0.603399                                     | 3                         |                                                   |
| P12004    | Proliferating cell nuclear antigen OS=Homo sapiens GN=PCNA PE=1 SV=1                                | 10.31                     | 6.361       | 7.269       | 3.1705                          | 4.59234                                       | 9                         | +                                                 |
| P11498    | Pyruvate carboxylase, mitochondrial OS=Homo sapiens GN=PC PE=1 SV=2                                 | 2.698                     | 4.543       | 3.208       | 2.93168                         | -0.909492                                     | 9.666667                  |                                                   |
| P04264    | Keratin, type II cytoskeletal 1 OS=Homo sapiens GN=KRT1 PE=1 SV=6                                   | 3.2                       | 3.852       | 4.131       | 2.92471                         | -0.619119                                     | 14.33333                  |                                                   |
| P04075    | Fructose-bisphosphate aldolase A OS=Homo sapiens GN=ALDOA PE=1 SV=2                                 | 3.219                     | 0           | 5.225       | 2.90928                         | -0.528934                                     | 4.333333                  |                                                   |
| P52272    | Heterogeneous nuclear ribonucleoprotein M OS=Homo sapiens GN=HNRNPM PE=1 SV=3                       | 4.724                     | 2           | 0           | 2.87669                         | 0.619233                                      | 2                         |                                                   |
| P61026    | Ras-related protein Rab-10 OS=Homo sapiens GN=RAB10 PE=1 SV=1                                       | 4.631                     | 3.543       | 3.147       | 2.86162                         | 0.512932                                      | 10.33333                  |                                                   |
| Q9BTT0    | Acidic leucine-rich nuclear phosphoprotein 32 family member E OS=Homo sapiens GN=ANP32E PE=1 SV=1   | 2.293                     | 6.776       | 5.168       | 2.82997                         | -1.32812                                      | 1.666667                  |                                                   |
| P45880    | Voltage-dependent anion-selective channel protein 2 OS=Homo sapiens GN=VDAC2 PE=1 SV=2              | 4.694                     | 3.37        | 2.852       | 2.78046                         | 0.517736                                      | 14                        |                                                   |
| Q06830    | Peroxisomal oxidase 1 OS=Homo sapiens GN=PRDX1 PE=1 SV=1                                            | 2.965                     | 4.175       | 0           | 2.71083                         | -0.816325                                     | 3.666667                  |                                                   |
| P02533    | Keratin, type I cytoskeletal 14 OS=Homo sapiens GN=KRT14 PE=1 SV=4                                  | 2.525                     | 3.779       | 4.25        | 2.60763                         | -1.02018                                      | 8                         |                                                   |
| P51572    | B-cell receptor-associated protein 31 OS=Homo sapiens GN=BCAP31 PE=1 SV=3                           | 6.923                     | 2.523       | 2.224       | 2.54262                         | 2.06196                                       | 3.333333                  | +                                                 |
| P67809    | Nuclease-sensitive element-binding protein 1 OS=Homo sapiens GN=YBX1 PE=1 SV=3                      | 2.732                     | 4.373       | 3.978       | 2.46828                         | -1.03696                                      | 5.666667                  |                                                   |
| P05165    | Propionyl-CoA carboxylase alpha chain, mitochondrial OS=Homo sapiens GN=PCCA PE=1 SV=4              | 2.667                     | 1.636       | 6.364       | 2.41972                         | -0.891258                                     | 3.666667                  |                                                   |
| P49207    | 60S ribosomal protein L34 OS=Homo sapiens GN=RPL34 PE=1 SV=3                                        | 2.783                     | 0           | 3.518       | 2.38304                         | -0.841013                                     | 1.333333                  |                                                   |
| P15531    | Nucleoside diphosphate kinase A OS=Homo sapiens GN=NME1 PE=1 SV=1                                   | 3.228                     | 2.521       | 4.339       | 2.33617                         | -0.624487                                     | 2                         |                                                   |
| P07339    | Cathepsin D OS=Homo sapiens GN=CTSD PE=1 SV=1                                                       | 6.982                     | 2.893       | 2.818       | 2.32604                         | 2.14358                                       | 6.333333                  | +                                                 |
| P61247    | 40S ribosomal protein S3a OS=Homo sapiens GN=RPS3A PE=1 SV=2                                        | 2.277                     | 0           | 3.837       | 2.30987                         | -1.12193                                      | 1.666667                  |                                                   |
| P06748    | Nucleophosmin OS=Homo sapiens GN=NPM1 PE=1 SV=2                                                     | 2.795                     | 4.263       | 4.311       | 2.28689                         | -1.02132                                      | 3                         |                                                   |
| P06733    | Alpha-enolase OS=Homo sapiens GN=ENO1 PE=1 SV=2                                                     | 2.945                     | 0           | 7.5         | 2.2841                          | -0.748717                                     | 6                         |                                                   |
| P05388    | 60S acidic ribosomal protein P0 OS=Homo sapiens GN=RPLP0 PE=1 SV=1                                  | 2.35                      | 4.223       | 4.854       | 2.27726                         | -1.28214                                      | 1.666667                  |                                                   |
| P29401    | Transketolase OS=Homo sapiens GN=TKT PE=1 SV=3                                                      | 3.138                     | 2.68        | 0           | 2.26237                         | -0.73017                                      | 2                         |                                                   |
| P10809    | 60 kDa heat shock protein, mitochondrial OS=Homo sapiens GN=HSPD1 PE=1 SV=2                         | 4.319                     | 4.597       | 4.825       | 2.25548                         | 0.314472                                      | 6                         |                                                   |
| Q06210    | Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1 OS=Homo sapiens GN=GFPT1 PE=1 SV=3 | 2.435                     | 4.506       | 3.926       | 2.20544                         | -1.14701                                      | 2.333333                  |                                                   |
| P35232    | Prohibitin OS=Homo sapiens GN=PHB PE=1 SV=1                                                         | 3.101                     | 4.473       | 3.205       | 2.18547                         | -0.560744                                     | 1.666667                  |                                                   |
| Q13813    | Spectrin alpha chain, non-erythrocytic 1 OS=Homo sapiens GN=SPTAN1 PE=1 SV=3                        | 3.259                     | 0           | 4.205       | 2.18106                         | -0.482393                                     | 2                         |                                                   |
| P27635    | 60S ribosomal protein L10 OS=Homo sapiens GN=RPL10 PE=1 SV=4                                        | 2.936                     | 3.564       | 5.1         | 2.12529                         | -0.723239                                     | 1.666667                  |                                                   |
| P16401    | Histone H1.5 OS=Homo sapiens GN=HIST1H1B PE=1 SV=3                                                  | 3.204                     | 5.212       | 3.471       | 2.1161                          | -0.673143                                     | 5                         |                                                   |
| P47756    | F-actin-capping protein subunit beta OS=Homo sapiens GN=CAPZB PE=1 SV=4                             | 3.601                     | 4.111       | 3.89        | 2.1097                          | -0.307166                                     | 3                         |                                                   |
| Q6P2Q9    | Pre-mRNA-processing-splicing factor 8 OS=Homo sapiens GN=PRPF8 PE=1 SV=2                            | 3.385                     | 3.843       | 3.718       | 2.0862                          | -0.424107                                     | 2.333333                  |                                                   |
| Q13085    | Acetyl-CoA carboxylase 1 OS=Homo sapiens GN=ACACA PE=1 SV=2                                         | 3.014                     | 3.946       | 3.604       | 2.06818                         | -0.754726                                     | 18.66667                  |                                                   |
| P02786    | Transferrin receptor protein 1 OS=Homo sapiens GN=TFRC PE=1 SV=2                                    | 3.622                     | 4.172       | 4.133       | 2.03597                         | -0.272805                                     | 3.333333                  |                                                   |
| Q5BJF2    | Transmembrane protein 97 OS=Homo sapiens GN=TMEM97 PE=1 SV=1                                        | 7.733                     | 2.214       | 1.98        | 2.01939                         | 2.45602                                       | 1.333333                  |                                                   |
| O60814    | Histone H2B type 1-K OS=Homo sapiens GN=HIST1H2BK PE=1 SV=3                                         | 3.436                     | 0           | 7.385       | 1.97693                         | -0.359617                                     | 6.666667                  |                                                   |
| P13010    | X-ray repair cross-complementing protein 5 OS=Homo sapiens GN=XRCC5 PE=1 SV=3                       | 3.158                     | 3.938       | 4.071       | 1.94443                         | -0.50123                                      | 8                         |                                                   |
| Q9P258    | Protein RCC2 OS=Homo sapiens GN=RCC2 PE=1 SV=2                                                      | 2.353                     | 4.771       | 3.946       | 1.93677                         | -1.08791                                      | 1                         |                                                   |
| P11413    | Glucose-6-phosphate 1-dehydrogenase OS=Homo sapiens GN=G6PD PE=1 SV=4                               | 3.307                     | 3.824       | 3.976       | 1.92959                         | -0.633738                                     | 3.666667                  |                                                   |
| Q99873    | Protein arginine N-methyltransferase 1 OS=Homo sapiens GN=PRMT1 PE=1 SV=2                           | 3.029                     | 4.213       | 3.752       | 1.89918                         | -0.60859                                      | 4.333333                  |                                                   |

|        |                                                                                                                 |       |       |       |         |           |          |
|--------|-----------------------------------------------------------------------------------------------------------------|-------|-------|-------|---------|-----------|----------|
| P21796 | Voltage-dependent anion-selective channel protein 1 OS=Homo sapiens GN=VDAC1 PE=1 SV=2                          | 4.911 | 4.475 | 4.413 | 1.8983  | 0.631464  | 18       |
| P35998 | 26S protease regulatory subunit 7 OS=Homo sapiens GN=PSMC2 PE=1 SV=3                                            | 3.599 | 4.101 | 3.989 | 1.87964 | -0.278791 | 9.333333 |
| P36578 | 60S ribosomal protein L4 OS=Homo sapiens GN=RPL4 PE=1 SV=5                                                      | 3.281 | 4.14  | 0     | 1.87146 | -0.599577 | 2        |
| P26641 | Elongation factor 1-gamma OS=Homo sapiens GN=EEF1G PE=1 SV=3                                                    | 2.904 | 4.448 | 4.452 | 1.85767 | -0.665622 | 2        |
| P26373 | 60S ribosomal protein L13 OS=Homo sapiens GN=RPL13 PE=1 SV=4                                                    | 3.065 | 4.076 | 3.765 | 1.82756 | -0.70255  | 3        |
| P19623 | Spermidine synthase OS=Homo sapiens GN=SRM PE=1 SV=1                                                            | 2.602 | 3.667 | 4.242 | 1.80832 | -1.00949  | 13.66667 |
| P53396 | ATP-citrate synthase OS=Homo sapiens GN=ACLY PE=1 SV=3                                                          | 3.482 | 3.98  | 3.878 | 1.79306 | -0.307261 | 3.666667 |
| O14828 | Secretory carrier-associated membrane protein 3 OS=Homo sapiens GN=SCAMP3 PE=1 SV=3                             | 2.49  | 3.903 | 4.47  | 1.79081 | -1.00654  | 1        |
| Q8TCJ2 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B OS=Homo sapiens GN=STT3B PE=1 SV=1 | 5.122 | 5.028 | 4.908 | 1.7387  | 0.953959  | 30.33333 |
| Q02878 | 60S ribosomal protein L6 OS=Homo sapiens GN=RPL6 PE=1 SV=3                                                      | 3.329 | 3.953 | 0     | 1.73318 | -0.402519 | 4        |
| Q13838 | Spliceosome RNA helicase DDX39B OS=Homo sapiens GN=DDX39B PE=1 SV=1                                             | 2.7   | 0     | 3.461 | 1.72573 | -0.774688 | 1.333333 |
| Q14498 | RNA-binding protein 39 OS=Homo sapiens GN=RBM39 PE=1 SV=2                                                       | 2.402 | 5.13  | 5.865 | 1.70804 | -1.22091  | 1.666667 |
| P62910 | 60S ribosomal protein L32 OS=Homo sapiens GN=RPL32 PE=1 SV=2                                                    | 3.247 | 5.703 | 4.774 | 1.68299 | -0.555199 | 4        |
| P35908 | Keratin, type II cytoskeletal 2 epidermal OS=Homo sapiens GN=KRT2 PE=1 SV=2                                     | 3.526 | 2.68  | 0     | 1.68257 | -0.423831 | 9.333333 |
| P62917 | 60S ribosomal protein L8 OS=Homo sapiens GN=RPL8 PE=1 SV=2                                                      | 3.548 | 0     | 1.339 | 1.67961 | -0.393714 | 1        |
| P08865 | 40S ribosomal protein SA OS=Homo sapiens GN=RPSA PE=1 SV=4                                                      | 3.172 | 2.403 | 5.56  | 1.66781 | -0.851163 | 1.666667 |
| P83881 | 60S ribosomal protein L36a OS=Homo sapiens GN=RPL36A PE=1 SV=2                                                  | 3.039 | 4.196 | 0     | 1.666   | -0.658351 | 1.333333 |
| E9PAV3 | Nascent polypeptide-associated complex subunit alpha, muscle-specific form OS=Homo sapiens GN=NACA PE=1 SV=1    | 3.246 | 4.535 | 3.612 | 1.65913 | -0.770618 | 1.333333 |
| P62913 | 60S ribosomal protein L11 OS=Homo sapiens GN=RPL11 PE=1 SV=2                                                    | 3.541 | 3.651 | 3.803 | 1.65524 | -0.45078  | 6        |
| Q15629 | Translocating chain-associated membrane protein 1 OS=Homo sapiens GN=TRAM1 PE=1 SV=3                            | 6.228 | 2.588 | 2.543 | 1.65411 | 1.43492   | 3.666667 |
| Q92499 | ATP-dependent RNA helicase DDX1 OS=Homo sapiens GN=DDX1 PE=1 SV=2                                               | 2.706 | 3.772 | 2.284 | 1.63121 | -0.766439 | 1.666667 |
| P62266 | 40S ribosomal protein S23 OS=Homo sapiens GN=RPS23 PE=1 SV=3                                                    | 4.286 | 3.379 | 3.883 | 1.62217 | 0.235932  | 2        |
| P12236 | ADP/ATP translocase 3 OS=Homo sapiens GN=SLC25A6 PE=1 SV=4                                                      | 3.211 | 4.234 | 3.171 | 1.62038 | -0.622137 | 2.666667 |
| Q13263 | Transcription intermediary factor 1-beta OS=Homo sapiens GN=TRIM28 PE=1 SV=5                                    | 2.453 | 4.122 | 4.337 | 1.61953 | -0.913936 | 2        |
| O43847 | Nardilysin OS=Homo sapiens GN=NRDC PE=1 SV=2                                                                    | 2.206 | 0     | 4.319 | 1.61445 | -1.38529  | 1        |
| O94906 | Pre-mRNA-processing factor 6 OS=Homo sapiens GN=PRPF6 PE=1 SV=1                                                 | 2.995 | 4.515 | 0     | 1.61077 | -0.705199 | 0.666667 |
| P07195 | L-lactate dehydrogenase B chain OS=Homo sapiens GN=LDHB PE=1 SV=2                                               | 3.407 | 0     | 2.468 | 1.60698 | -0.466157 | 2.333333 |
| P16615 | Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 OS=Homo sapiens GN=ATP2A2 PE=1 SV=1                         | 4.579 | 4.613 | 5.178 | 1.60417 | 0.517509  | 4        |
| P53621 | Coatomer subunit alpha OS=Homo sapiens GN=COPA PE=1 SV=2                                                        | 2.699 | 4.574 | 5.458 | 1.59946 | -0.740603 | 2.666667 |
| P50991 | T-complex protein 1 subunit delta OS=Homo sapiens GN=CCT4 PE=1 SV=4                                             | 2.914 | 0     | 4.059 | 1.59918 | -0.774131 | 1        |
| Q9NS69 | Mitochondrial import receptor subunit TOM22 homolog OS=Homo sapiens GN=TOMM22 PE=1 SV=3                         | 4.993 | 3.35  | 3.335 | 1.598   | 0.695386  | 1.666667 |
| P62241 | 40S ribosomal protein S8 OS=Homo sapiens GN=RPS8 PE=1 SV=2                                                      | 2.777 | 3.73  | 4.689 | 1.59783 | -0.678413 | 4.333333 |
| P04114 | Apolipoprotein B-100 OS=Homo sapiens GN=APOB PE=1 SV=2                                                          | 4.075 | 0     | 2.203 | 1.58293 | 0.0927957 | 0.666667 |
| Q13347 | Eukaryotic translation initiation factor 3 subunit I OS=Homo sapiens GN=EIF3I PE=1 SV=1                         | 5     | 6.254 | 7.88  | 1.58219 | 0.826442  | 2        |
| P40227 | T-complex protein 1 subunit zeta OS=Homo sapiens GN=CCT6A PE=1 SV=3                                             | 2.877 | 4.149 | 0     | 1.57171 | -0.720024 | 2        |
| P04406 | Glyceraldehyde-3-phosphate dehydrogenase OS=Homo sapiens GN=GAPDH PE=1 SV=3                                     | 3.283 | 3.659 | 4.593 | 1.54839 | -0.512296 | 12.33333 |
| P46782 | 40S ribosomal protein S5 OS=Homo sapiens GN=RPS5 PE=1 SV=4                                                      | 3.422 | 3.394 | 0     | 1.5257  | -0.504623 | 1.333333 |
| P62979 | Ubiquitin-40S ribosomal protein S27a OS=Homo sapiens GN=RPS27A PE=1 SV=2                                        | 4.682 | 4.195 | 0     | 1.49549 | 0.558714  | 3        |
| O15371 | Eukaryotic translation initiation factor 3 subunit D OS=Homo sapiens GN=EIF3D PE=1 SV=1                         | 2.759 | 3.511 | 5.139 | 1.4771  | -0.794703 | 2.333333 |
| P46778 | 60S ribosomal protein L21 OS=Homo sapiens GN=RPL21 PE=1 SV=2                                                    | 3.514 | 3.041 | 2.896 | 1.46937 | -0.416346 | 1        |
| Q08170 | Serine/arginine-rich splicing factor 4 OS=Homo sapiens GN=SRSF4 PE=1 SV=2                                       | 3.304 | 3.476 | 4.384 | 1.46446 | -0.52573  | 2.666667 |

|        |                                                                                                 |       |        |       |         |           |          |
|--------|-------------------------------------------------------------------------------------------------|-------|--------|-------|---------|-----------|----------|
| P24539 | ATP synthase F(0) complex subunit B1, mitochondrial OS=Homo sapiens GN=ATP5F1 PE=1 SV=2         | 4.808 | 3.486  | 3.426 | 1.43889 | 0.930962  | 8.666667 |
| P49368 | T-complex protein 1 subunit gamma OS=Homo sapiens GN=CCT3 PE=1 SV=4                             | 3.531 | 2      | 0     | 1.43192 | -0.367725 | 3.333333 |
| P52209 | 6-phosphogluconate dehydrogenase, decarboxylating OS=Homo sapiens GN=PGD PE=1 SV=3              | 2.985 | 3.086  | 3.142 | 1.41919 | -1.17124  | 2.333333 |
| P02768 | Serum albumin OS=Homo sapiens GN=ALB PE=1 SV=2                                                  | 3.501 | 0      | 4.709 | 1.39711 | -0.245979 | 0.666667 |
| P15880 | 40S ribosomal protein S2 OS=Homo sapiens GN=RPS2 PE=1 SV=2                                      | 3.142 | 0      | 3.844 | 1.38677 | -0.506779 | 1.666667 |
| P78527 | DNA-dependent protein kinase catalytic subunit OS=Homo sapiens GN=PRKDC PE=1 SV=3               | 3.415 | 0      | 5.294 | 1.38168 | -0.477218 | 4        |
| P13647 | Keratin, type II cytoskeletal 5 OS=Homo sapiens GN=KRT5 PE=1 SV=3                               | 3.223 | 10.179 | 2.545 | 1.37696 | -0.593575 | 3.666667 |
| P08238 | Heat shock protein HSP 90-beta OS=Homo sapiens GN=HSP90AB1 PE=1 SV=4                            | 3.688 | 4.899  | 4.857 | 1.37043 | -0.204465 | 12       |
| P78371 | T-complex protein 1 subunit beta OS=Homo sapiens GN=CCT2 PE=1 SV=4                              | 3.609 | 5.255  | 4.328 | 1.36986 | -0.461938 | 8.666667 |
| Q8WV10 | Small integral membrane protein 4 OS=Homo sapiens GN=SMIM4 PE=1 SV=2                            | 4.662 | 3.303  | 3.141 | 1.36984 | 0.931554  | 2.333333 |
| Q12769 | Nuclear pore complex protein Nup160 OS=Homo sapiens GN=NUP160 PE=1 SV=3                         | 3.206 | 1.065  | 1.909 | 1.36851 | -0.40254  | 1.333333 |
| O75844 | CAAX prenyl protease 1 homolog OS=Homo sapiens GN=ZMPSTE24 PE=1 SV=2                            | 5.518 | 3.053  | 3.22  | 1.3555  | 1.54508   | 2.333333 |
| Q96RQ3 | Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial OS=Homo sapiens GN=MCCC1 PE=1 SV=3 | 3.47  | 4.582  | 4.175 | 1.34802 | -0.458933 | 10       |
| Q00610 | Clathrin heavy chain 1 OS=Homo sapiens GN=CLTC PE=1 SV=5                                        | 3.344 | 6.158  | 5.575 | 1.34407 | -0.417178 | 2.333333 |
| P59998 | Actin-related protein 2/3 complex subunit 4 OS=Homo sapiens GN=ARPC4 PE=1 SV=3                  | 3.666 | 2.72   | 2.909 | 1.34353 | -0.31053  | 2        |
| P62805 | Histone H4 OS=Homo sapiens GN=HIST1H4A PE=1 SV=2                                                | 3.687 | 5.155  | 3.739 | 1.34177 | -0.319939 | 7.333333 |
| P48643 | T-complex protein 1 subunit epsilon OS=Homo sapiens GN=CCT5 PE=1 SV=1                           | 3.767 | 4      | 4.012 | 1.33663 | -0.259599 | 2.666667 |
| Q13011 | Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial OS=Homo sapiens GN=ECH1 PE=1 SV=2    | 5.771 | 1.886  | 1.818 | 1.3298  | 1.79489   | 4.333333 |
| Q9Y383 | Putative RNA-binding protein Luc7-like 2 OS=Homo sapiens GN=LUC7L2 PE=1 SV=2                    | 4.952 | 5.202  | 6     | 1.32837 | 0.523259  | 1.666667 |
| P21333 | Filamin-A OS=Homo sapiens GN=FLNA PE=1 SV=4                                                     | 3.488 | 3.293  | 4.767 | 1.32436 | -0.554208 | 6.333333 |
| Q8N1F7 | Nuclear pore complex protein Nup93 OS=Homo sapiens GN=NUP93 PE=1 SV=2                           | 4.74  | 2.6    | 3.101 | 1.32417 | 0.670036  | 8.333333 |
| O14980 | Exportin-1 OS=Homo sapiens GN=XPO1 PE=1 SV=1                                                    | 2.966 | 3.977  | 4.345 | 1.32254 | -0.558443 | 7        |
| P02538 | Keratin, type II cytoskeletal 6A OS=Homo sapiens GN=KRT6A PE=1 SV=3                             | 2.114 | 3.673  | 0     | 1.31377 | -1.3028   | 2.666667 |
| Q9Y230 | RuvB-like 2 OS=Homo sapiens GN=RUVBL2 PE=1 SV=3                                                 | 3.09  | 0      | 3.559 | 1.28322 | -0.596813 | 1        |
| P50990 | T-complex protein 1 subunit theta OS=Homo sapiens GN=CCCT8 PE=1 SV=4                            | 3.002 | 3.942  | 3.679 | 1.27671 | -0.638913 | 9.666667 |
| P27797 | Calreticulin OS=Homo sapiens GN=CALR PE=1 SV=1                                                  | 5.097 | 3.643  | 3.61  | 1.27432 | 1.12373   | 1.666667 |
| Q96G23 | Ceramide synthase 2 OS=Homo sapiens GN=CERS2 PE=1 SV=1                                          | 2.846 | 0      | 2.809 | 1.2202  | -0.934328 | 0.666667 |
| P17844 | Probable ATP-dependent RNA helicase DDX5 OS=Homo sapiens GN=DDX5 PE=1 SV=1                      | 3.294 | 3.704  | 4.325 | 1.1914  | -0.333238 | 4.666667 |
| Q07020 | 60S ribosomal protein L18 OS=Homo sapiens GN=RPL18 PE=1 SV=2                                    | 2.918 | 4.263  | 3.914 | 1.1889  | -0.554455 | 2.333333 |
| P62854 | 40S ribosomal protein S26 OS=Homo sapiens GN=RPS26 PE=1 SV=3                                    | 4.772 | 4.566  | 4.637 | 1.18688 | 1.31727   | 6.333333 |
| Q8IY81 | pre-rRNA processing protein FTSJ3 OS=Homo sapiens GN=FTSJ3 PE=1 SV=2                            | 3.544 | 3.376  | 3.791 | 1.16859 | -0.609563 | 1.333333 |
| P40429 | 60S ribosomal protein L13a OS=Homo sapiens GN=RPL13A PE=1 SV=2                                  | 5.116 | 12.263 | 9.329 | 1.16336 | 0.567711  | 3.666667 |
| P12268 | Inosine-5'-monophosphate dehydrogenase 2 OS=Homo sapiens GN=IMPDH2 PE=1 SV=2                    | 2.561 | 3.486  | 4.444 | 1.16138 | -0.936744 | 2.333333 |
| P39748 | Flap endonuclease 1 OS=Homo sapiens GN=FEN1 PE=1 SV=1                                           | 3.798 | 3.516  | 0     | 1.16037 | -0.136559 | 1        |
| Q14974 | Importin subunit beta-1 OS=Homo sapiens GN=KPNB1 PE=1 SV=2                                      | 2.289 | 0      | 7.733 | 1.15737 | -0.818201 | 2        |
| P12956 | X-ray repair cross-complementing protein 6 OS=Homo sapiens GN=XRCC6 PE=1 SV=2                   | 4.272 | 3.564  | 3.716 | 1.15488 | 0.383545  | 5        |
| P33992 | DNA replication licensing factor MCM5 OS=Homo sapiens GN=MCM5 PE=1 SV=5                         | 3.63  | 3.193  | 0     | 1.13277 | -0.58358  | 0.666667 |
| P09972 | Fructose-bisphosphate aldolase C OS=Homo sapiens GN=ALDOC PE=1 SV=2                             | 2.429 | 2.939  | 0     | 1.12714 | -0.842761 | 1        |
| P17987 | T-complex protein 1 subunit alpha OS=Homo sapiens GN=TCP1 PE=1 SV=1                             | 3.134 | 4.011  | 0     | 1.12186 | -0.498193 | 2        |
| P22102 | Trifunctional purine biosynthetic protein adenosine-3 OS=Homo sapiens GN=GART PE=1 SV=1         | 3.421 | 0      | 3.159 | 1.11944 | -0.40555  | 1.666667 |
| O75153 | Clustered mitochondria protein homolog OS=Homo sapiens GN=CLUH PE=1 SV=2                        | 4.458 | 5.62   | 6.72  | 1.08491 | 0.894669  | 7.666667 |
| P30048 | Thioredoxin-dependent peroxide reductase, mitochondrial OS=Homo sapiens GN=PRDX3 PE=1           | 4.093 | 3.596  | 3.247 | 1.06731 | 0.274159  | 1.666667 |

|        |                                                                                                                                    |        |       |       |          |           |          |  |
|--------|------------------------------------------------------------------------------------------------------------------------------------|--------|-------|-------|----------|-----------|----------|--|
|        | SV=3                                                                                                                               |        |       |       |          |           |          |  |
| P62937 | Peptidyl-prolyl cis-trans isomerase A OS=Homo sapiens GN=PPIA PE=1 SV=2                                                            | 4.788  | 1.744 | 2.956 | 1.06399  | 0.434379  | 2.666667 |  |
| P49792 | E3 SUMO-protein ligase RanBP2 OS=Homo sapiens GN=RANBP2 PE=1 SV=2                                                                  | 10.917 | 3.362 | 3.361 | 1.06236  | 4.1003    | 1        |  |
| O95197 | Reticulon-3 OS=Homo sapiens GN=RTN3 PE=1 SV=2                                                                                      | 4.986  | 3.435 | 3.711 | 1.05266  | 0.847457  | 3.666667 |  |
| P13639 | Elongation factor 2 OS=Homo sapiens GN=EEF2 PE=1 SV=4                                                                              | 3.391  | 3.935 | 3.816 | 1.04474  | -0.285096 | 8.333333 |  |
| Q14103 | Heterogeneous nuclear ribonucleoprotein D0 OS=Homo sapiens GN=HNRNPD PE=1 SV=1                                                     | 3.435  | 4.307 | 3.522 | 1.04273  | -0.448241 | 2.333333 |  |
| P23284 | Peptidyl-prolyl cis-trans isomerase B OS=Homo sapiens GN=PPIB PE=1 SV=2                                                            | 6.368  | 6.838 | 6.695 | 1.03992  | 1.60173   | 1.666667 |  |
| O95433 | Activator of 90 kDa heat shock protein ATPase homolog 1 OS=Homo sapiens GN=AHSA1 PE=1 SV=1                                         | 5.435  | 3.054 | 3.085 | 1.03486  | 0.980173  | 3        |  |
| P08195 | 4F2 cell-surface antigen heavy chain OS=Homo sapiens GN=SLC3A2 PE=1 SV=3                                                           | 5.098  | 3.61  | 3.512 | 1.03241  | 1.01618   | 2        |  |
| P18077 | 60S ribosomal protein L35a OS=Homo sapiens GN=RPL35A PE=1 SV=2                                                                     | 3.611  | 4.559 | 0     | 1.02395  | -0.20587  | 1        |  |
| P13645 | Keratin, type I cytoskeletal 10 OS=Homo sapiens GN=KRT10 PE=1 SV=6                                                                 | 3.656  | 0     | 4.039 | 1.01838  | -0.383281 | 8.333333 |  |
| P83731 | 60S ribosomal protein L24 OS=Homo sapiens GN=RPL24 PE=1 SV=1                                                                       | 3.851  | 0     | 5.238 | 1.01416  | -0.24657  | 2        |  |
| P51149 | Ras-related protein Rab-7a OS=Homo sapiens GN=RAB7A PE=1 SV=1                                                                      | 3.151  | 3.476 | 5.111 | 1.00421  | -0.390452 | 2.333333 |  |
| P55209 | Nucleosome assembly protein 1-like 1 OS=Homo sapiens GN=NAP1L1 PE=1 SV=1                                                           | 1.238  | 0     | 6.127 | 0.997048 | -1.32516  | 0.666667 |  |
| P62244 | 40S ribosomal protein S15a OS=Homo sapiens GN=RPS15A PE=1 SV=2                                                                     | 4.234  | 0     | 3.315 | 0.993898 | 0.453802  | 1        |  |
| P62249 | 40S ribosomal protein S16 OS=Homo sapiens GN=RPS16 PE=1 SV=2                                                                       | 3.58   | 4.851 | 3.865 | 0.9894   | -0.50353  | 2.333333 |  |
| P37268 | Squalene synthase OS=Homo sapiens GN=FDFT1 PE=1 SV=1                                                                               | 3.437  | 4.209 | 3.983 | 0.986629 | -0.598102 | 4.333333 |  |
| P11940 | Polyadenylate-binding protein 1 OS=Homo sapiens GN=PABPC1 PE=1 SV=2                                                                | 3.265  | 7.688 | 0     | 0.982253 | -0.631243 | 1        |  |
| P78417 | Glutathione S-transferase omega-1 OS=Homo sapiens GN=GSTO1 PE=1 SV=2                                                               | 3.617  | 3.953 | 4.207 | 0.951053 | -0.344587 | 6        |  |
| P18124 | 60S ribosomal protein L7 OS=Homo sapiens GN=RPL7 PE=1 SV=1                                                                         | 3.519  | 3.393 | 0     | 0.950879 | -0.308732 | 1.666667 |  |
| P30050 | 60S ribosomal protein L12 OS=Homo sapiens GN=RPL12 PE=1 SV=1                                                                       | 3.787  | 3.603 | 0     | 0.945721 | -0.235807 | 0.666667 |  |
| P62861 | 40S ribosomal protein S30 OS=Homo sapiens GN=FAU PE=1 SV=1                                                                         | 3.022  | 4.433 | 3.511 | 0.938585 | -0.430476 | 2.333333 |  |
| P27824 | Calnexin OS=Homo sapiens GN=CANX PE=1 SV=2                                                                                         | 4.216  | 3.124 | 3.652 | 0.929648 | 0.48652   | 2.666667 |  |
| Q9BVP2 | Guanine nucleotide-binding protein-like 3 OS=Homo sapiens GN=GNL3 PE=1 SV=2                                                        | 3.286  | 5.474 | 0     | 0.926334 | -0.875861 | 0.666667 |  |
| P06702 | Protein S100-A9 OS=Homo sapiens GN=S100A9 PE=1 SV=1                                                                                | 3.043  | 3.375 | 4.683 | 0.920047 | -0.584205 | 1.666667 |  |
| P55072 | Transitional endoplasmic reticulum ATPase OS=Homo sapiens GN=VCP PE=1 SV=4                                                         | 3.766  | 0     | 6.478 | 0.918979 | -0.503935 | 1.666667 |  |
| P07437 | Tubulin beta chain OS=Homo sapiens GN=TUBB PE=1 SV=2                                                                               | 3.598  | 2.932 | 4.821 | 0.915903 | -0.536109 | 6.333333 |  |
| O43776 | Asparagine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=NARS PE=1 SV=1                                                             | 3.469  | 4.879 | 4.089 | 0.915089 | -0.307245 | 2.333333 |  |
| P05023 | Sodium/potassium-transporting ATPase subunit alpha-1 OS=Homo sapiens GN=ATP1A1 PE=1 SV=1                                           | 4.121  | 3.61  | 3.268 | 0.913821 | 0.112428  | 2.666667 |  |
| P06744 | Glucose-6-phosphate isomerase OS=Homo sapiens GN=GPI PE=1 SV=4                                                                     | 2.561  | 3.273 | 0     | 0.905703 | -0.887053 | 0.666667 |  |
| O75083 | WD repeat-containing protein 1 OS=Homo sapiens GN=WDR1 PE=1 SV=4                                                                   | 3.774  | 0     | 3.955 | 0.904646 | -0.331589 | 1.666667 |  |
| Q15392 | Delta(24)-sterol reductase OS=Homo sapiens GN=DHCR24 PE=1 SV=2                                                                     | 5.074  | 4.841 | 4.804 | 0.904607 | 0.499274  | 2.666667 |  |
| Q9NZI8 | Insulin-like growth factor 2 mRNA-binding protein 1 OS=Homo sapiens GN=IGF2BP1 PE=1 SV=2                                           | 5.714  | 3.119 | 2.802 | 0.903092 | 1.11388   | 29.66667 |  |
| Q9Y262 | Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=1 SV=1                                            | 2.523  | 8.687 | 2.486 | 0.897216 | -0.908145 | 1.333333 |  |
| O60264 | SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 5 OS=Homo sapiens GN=SMARCA5 PE=1 SV=1 | 3.251  | 4.149 | 3.869 | 0.883608 | -0.44498  | 13.33333 |  |
| P84098 | 60S ribosomal protein L19 OS=Homo sapiens GN=RPL19 PE=1 SV=1                                                                       | 3.684  | 4.282 | 4.347 | 0.881831 | -0.235803 | 1.333333 |  |
| P31943 | Heterogeneous nuclear ribonucleoprotein H OS=Homo sapiens GN=HNRNPH1 PE=1 SV=4                                                     | 3.631  | 1.95  | 0     | 0.8652   | -0.137087 | 3        |  |
| P35527 | Keratin, type I cytoskeletal 9 OS=Homo sapiens GN=KRT9 PE=1 SV=3                                                                   | 3.831  | 0     | 6.16  | 0.8619   | -0.548177 | 6        |  |
| P35580 | Myosin-10 OS=Homo sapiens GN=MYH10 PE=1 SV=3                                                                                       | 3.66   | 0     | 3.748 | 0.852075 | -0.552596 | 4        |  |
| P32119 | Peroxisomal oxidoreductase 2 OS=Homo sapiens GN=PRDX2 PE=1 SV=5                                                                    | 3.117  | 4.143 | 4.009 | 0.845282 | -0.520765 | 14.66667 |  |
| Q07666 | KH domain-containing, RNA-binding, signal transduction-associated protein 1 OS=Homo sapiens GN=KHDRBS1 PE=1 SV=1                   | 4.469  | 2.336 | 0     | 0.844645 | 0.272035  | 3        |  |

|        |                                                                                                                 |       |       |       |          |           |          |
|--------|-----------------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|-----------|----------|
| P40939 | Trifunctional enzyme subunit alpha, mitochondrial OS=Homo sapiens GN=HADHA PE=1 SV=2                            | 5.386 | 3.677 | 3.81  | 0.842017 | 0.614466  | 4.333333 |
| P11766 | Alcohol dehydrogenase class-3 OS=Homo sapiens GN=ADH5 PE=1 SV=4                                                 | 2.906 | 0     | 6.331 | 0.837741 | -0.649235 | 1.333333 |
| P45974 | Ubiquitin carboxyl-terminal hydrolase 5 OS=Homo sapiens GN=USP5 PE=1 SV=2                                       | 3.657 | 0     | 4.651 | 0.835213 | -0.298707 | 1        |
| P22314 | Ubiquitin-like modifier-activating enzyme 1 OS=Homo sapiens GN=UBA1 PE=1 SV=3                                   | 3.339 | 4.339 | 2.624 | 0.832242 | -0.278263 | 2.666667 |
| P62851 | 40S ribosomal protein S25 OS=Homo sapiens GN=RPS25 PE=1 SV=1                                                    | 2.195 | 4.361 | 3.743 | 0.825934 | -0.716638 | 5.666667 |
| P61978 | Heterogeneous nuclear ribonucleoprotein K OS=Homo sapiens GN=HNRNPK PE=1 SV=1                                   | 5.236 | 3.273 | 2.665 | 0.814202 | 0.592015  | 6.333333 |
| P18085 | ADP-ribosylation factor 4 OS=Homo sapiens GN=ARF4 PE=1 SV=3                                                     | 4.727 | 3.303 | 3.401 | 0.813626 | 3.2528    | 5.666667 |
| P23526 | Adenosylhomocysteinase OS=Homo sapiens GN=AHCY PE=1 SV=4                                                        | 3.879 | 3.267 | 4.366 | 0.811929 | -0.413275 | 2.333333 |
| P23528 | Cofilin-1 OS=Homo sapiens GN=CFL1 PE=1 SV=3                                                                     | 4.025 | 5.149 | 4.843 | 0.787483 | 0.338484  | 2.333333 |
| Q9UBM7 | 7-dehydrocholesterol reductase OS=Homo sapiens GN=DHCR7 PE=1 SV=1                                               | 5.326 | 2.566 | 2.426 | 0.775646 | 1.42433   | 4        |
| Q7Z2W4 | Zinc finger CCCH-type antiviral protein 1 OS=Homo sapiens GN=ZC3HAV1 PE=1 SV=3                                  | 4.034 | 3.892 | 3.689 | 0.762737 | 0.0800749 | 8.666667 |
| Q9NZ01 | Very-long-chain enoyl-CoA reductase OS=Homo sapiens GN=TECR PE=1 SV=1                                           | 3.09  | 3.792 | 4.542 | 0.760567 | -0.652119 | 1.333333 |
| Q01813 | ATP-dependent 6-phosphofructokinase, platelet type OS=Homo sapiens GN=PFKP PE=1 SV=2                            | 3.2   | 4.076 | 4.14  | 0.76009  | -0.450389 | 3        |
| O00299 | Chloride intracellular channel protein 1 OS=Homo sapiens GN=CLIC1 PE=1 SV=4                                     | 3.655 | 3.474 | 0     | 0.74367  | -0.261069 | 1        |
| P26038 | Moesin OS=Homo sapiens GN=MSN PE=1 SV=3                                                                         | 3.469 | 3.69  | 0     | 0.736349 | -0.752829 | 2.333333 |
| Q15233 | Non-POU domain-containing octamer-binding protein OS=Homo sapiens GN=NONO PE=1 SV=4                             | 4.366 | 3.022 | 2.974 | 0.72345  | 0.155304  | 3        |
| Q9Y490 | Talin-1 OS=Homo sapiens GN=TLN1 PE=1 SV=3                                                                       | 1.909 | 4.304 | 3.691 | 0.717164 | -0.883678 | 1.333333 |
| P50897 | Palmitoyl-protein thioesterase 1 OS=Homo sapiens GN=PPT1 PE=1 SV=1                                              | 4.198 | 2.312 | 3.5   | 0.700919 | 0.193953  | 1.666667 |
| O60610 | Protein diaphanous homolog 1 OS=Homo sapiens GN=DIAPH1 PE=1 SV=2                                                | 2.845 | 4.516 | 4.831 | 0.700126 | -1.25211  | 3.666667 |
| P46977 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A OS=Homo sapiens GN=STT3A PE=1 SV=2 | 5.863 | 3.306 | 3.056 | 0.698187 | 1.09295   | 4.333333 |
| O75534 | Cold shock domain-containing protein E1 OS=Homo sapiens GN=CSDE1 PE=1 SV=2                                      | 4.049 | 2.838 | 3.101 | 0.697851 | 0.510004  | 2.666667 |
| Q6P1A2 | Lysophospholipid acyltransferase 5 OS=Homo sapiens GN=LPCAT3 PE=1 SV=1                                          | 4.758 | 7.775 | 6.304 | 0.694649 | 0.321636  | 6.666667 |
| Q92896 | Golgi apparatus protein 1 OS=Homo sapiens GN=GLG1 PE=1 SV=2                                                     | 2.684 | 3.994 | 4.344 | 0.693169 | -0.728696 | 3.666667 |
| P11021 | 78 kDa glucose-regulated protein OS=Homo sapiens GN=HSPA5 PE=1 SV=2                                             | 4.031 |       | 3.173 | 0.679712 | -0.807031 | 2        |
| Q8TEX9 | Importin-4 OS=Homo sapiens GN=IPO4 PE=1 SV=2                                                                    | 2.221 | 0     | 3.888 | 0.670145 | -0.634039 | 0.666667 |
| P23921 | Ribonucleoside-diphosphate reductase large subunit OS=Homo sapiens GN=RRM1 PE=1 SV=1                            | 5.692 | 3.136 | 3.435 | 0.667275 | 0.975796  | 2        |
| P04844 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2 OS=Homo sapiens GN=RPN2 PE=1 SV=3      | 3.141 | 0     | 3.083 | 0.666552 | -0.459538 | 0.666667 |
| P62280 | 40S ribosomal protein S11 OS=Homo sapiens GN=RPS11 PE=1 SV=3                                                    | 3.065 | 4.973 | 5.12  | 0.661384 | -0.485977 | 2.333333 |
| P62318 | Small nuclear ribonucleoprotein Sm D3 OS=Homo sapiens GN=SNRPD3 PE=1 SV=1                                       | 5.105 | 3.328 | 3.75  | 0.652561 | 0.445069  | 4.666667 |
| Q14566 | DNA replication licensing factor MCM6 OS=Homo sapiens GN=MCM6 PE=1 SV=1                                         | 4.881 | 2.906 | 3.441 | 0.652174 | 0.761196  | 3.333333 |
| P51114 | Fragile X mental retardation syndrome-related protein 1 OS=Homo sapiens GN=FXR1 PE=1 SV=3                       | 3.596 | 4.025 | 3.505 | 0.651229 | -0.201566 | 2.333333 |
| P39023 | 60S ribosomal protein L3 OS=Homo sapiens GN=RPL3 PE=1 SV=2                                                      | 4.448 | 4.352 | 0     | 0.646805 | 0.272037  | 1        |
| Q9Y5B9 | FACT complex subunit SPT16 OS=Homo sapiens GN=SUPT16H PE=1 SV=1                                                 | 2.925 | 4.022 | 3.587 | 0.64054  | -0.57104  | 4.333333 |
| P25205 | DNA replication licensing factor MCM3 OS=Homo sapiens GN=MCM3 PE=1 SV=3                                         | 2.647 | 4.115 | 3.726 | 0.638917 | -0.482923 | 6.666667 |
| P00367 | Glutamate dehydrogenase 1, mitochondrial OS=Homo sapiens GN=GLUD1 PE=1 SV=2                                     | 3.438 | 4.49  | 3.589 | 0.637822 | -0.636081 | 1.333333 |
| O60506 | Heterogeneous nuclear ribonucleoprotein Q OS=Homo sapiens GN=SYNCRIP PE=1 SV=2                                  | 3.891 | 3.414 | 3.696 | 0.6361   | 0.331679  | 12.66667 |
| Q9HD45 | Transmembrane 9 superfamily member 3 OS=Homo sapiens GN=TM9SF3 PE=1 SV=2                                        | 4.341 | 5.896 | 5.82  | 0.620726 | 0.647636  | 5.333333 |
| P55786 | Puromycin-sensitive aminopeptidase OS=Homo sapiens GN=NPEPPS PE=1 SV=2                                          | 5.034 | 4.731 | 5.422 | 0.616253 | 0.584714  | 1.666667 |
| P19338 | Nucleolin OS=Homo sapiens GN=NCL PE=1 SV=3                                                                      | 3.701 | 4.038 | 4.81  | 0.616215 | -0.23404  | 4        |
| P62277 | 40S ribosomal protein S13 OS=Homo sapiens GN=RPS13 PE=1 SV=2                                                    | 2.933 | 4.721 | 2.883 | 0.610185 | -0.447249 | 2        |
| P62424 | 60S ribosomal protein L7a OS=Homo sapiens GN=RPL7A PE=1 SV=2                                                    | 4.072 | 3.76  | 3.722 | 0.604086 | 0.203923  | 8.666667 |
| P62701 | 40S ribosomal protein S4, X isoform OS=Homo sapiens GN=RPS4X PE=1 SV=2                                          | 2.91  | 4.702 | 4.089 | 0.587082 | -0.557165 | 1        |
| Q00325 | Phosphate carrier protein, mitochondrial OS=Homo sapiens GN=SLC25A3 PE=1 SV=2                                   | 3.917 | 2.474 | 0     | 0.585976 | 0.113606  | 0.666667 |

|        |                                                                                                            |       |        |       |          |            |          |
|--------|------------------------------------------------------------------------------------------------------------|-------|--------|-------|----------|------------|----------|
| Q12906 | Interleukin enhancer-binding factor 3 OS=Homo sapiens GN=ILF3 PE=1 SV=3                                    | 3.812 | 4.788  | 2.027 | 0.583153 | -0.438949  | 2.666667 |
| Q9P035 | Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3 OS=Homo sapiens GN=HACD3 PE=1 SV=2                    | 6.378 | 0      | 2.428 | 0.574282 | 1.2737     | 0.666667 |
| O96005 | Cleft lip and palate transmembrane protein 1 OS=Homo sapiens GN=CLPTM1 PE=1 SV=1                           | 7     | 3.18   | 3.246 | 0.566865 | 4.23403    | 5.666667 |
| P28340 | DNA polymerase delta catalytic subunit OS=Homo sapiens GN=POLD1 PE=1 SV=2                                  | 2.69  | 7.636  | 2.641 | 0.561986 | -0.660748  | 1.333333 |
| Q6UB35 | Monofunctional C1-tetrahydrofolate synthase, mitochondrial OS=Homo sapiens GN=MTHFD1L PE=1 SV=1            | 4.302 | 3.227  | 3.504 | 0.56044  | 0.429429   | 2.333333 |
| P62750 | 60S ribosomal protein L23a OS=Homo sapiens GN=RPL23A PE=1 SV=1                                             | 3.327 | 6.1    | 4.5   | 0.560339 | -0.205542  | 2        |
| P49327 | Fatty acid synthase OS=Homo sapiens GN=FASN PE=1 SV=3                                                      | 3.755 | 3.479  | 0     | 0.55925  | -0.32025   | 1.666667 |
| P61604 | 10 kDa heat shock protein, mitochondrial OS=Homo sapiens GN=HSPE1 PE=1 SV=2                                | 2.493 | 0      | 4.835 | 0.5579   | -0.760829  | 1        |
| O60313 | Dynamin-like 120 kDa protein, mitochondrial OS=Homo sapiens GN=OPA1 PE=1 SV=3                              | 4.105 | 3.418  | 3.879 | 0.553523 | 0.210834   | 1        |
| P61981 | 14-3-3 protein gamma OS=Homo sapiens GN=YWHAG PE=1 SV=2                                                    | 3.812 | 4.044  | 3.401 | 0.551569 | -0.210334  | 7.666667 |
| P07900 | Heat shock protein HSP 90-alpha OS=Homo sapiens GN=HSP90AA1 PE=1 SV=5                                      | 4.003 | 4.876  | 5.417 | 0.542238 | 0.205654   | 5.333333 |
| P49411 | Elongation factor Tu, mitochondrial OS=Homo sapiens GN=TUFM PE=1 SV=2                                      | 4.051 | 0      | 5.937 | 0.537689 | 0.044531   | 1.666667 |
| Q92688 | Acidic leucine-rich nuclear phosphoprotein 32 family member B OS=Homo sapiens GN=ANP32B PE=1 SV=1          | 2.556 | 0      | 6.238 | 0.531343 | -0.711702  | 1        |
| P60842 | Eukaryotic initiation factor 4A-I OS=Homo sapiens GN=EIF4A1 PE=1 SV=1                                      | 4.746 | 3.245  | 3.192 | 0.529003 | 0.248862   | 4.666667 |
| P50416 | Carnitine O-palmitoyltransferase 1, liver isoform OS=Homo sapiens GN=CPT1A PE=1 SV=2                       | 3.021 | 4.043  | 0     | 0.527992 | -0.507512  | 0.666667 |
| P10412 | Histone H1.4 OS=Homo sapiens GN=HIST1H1E PE=1 SV=2                                                         | 3.691 | 3.344  | 3.121 | 0.524947 | -0.0947551 | 7.666667 |
| P04843 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 OS=Homo sapiens GN=RPN1 PE=1 SV=1 | 3.982 | 4.593  | 5.059 | 0.520549 | -0.0974938 | 6.333333 |
| P28070 | Proteasome subunit beta type-4 OS=Homo sapiens GN=PSMB4 PE=1 SV=4                                          | 3.414 | 3.546  | 0     | 0.520188 | -0.273394  | 0.666667 |
| P52292 | Importin subunit alpha-1 OS=Homo sapiens GN=KPNA2 PE=1 SV=1                                                | 5.465 | 3.343  | 2.676 | 0.515069 | 0.475597   | 1.666667 |
| Q15021 | Condensin complex subunit 1 OS=Homo sapiens GN=NCAPD2 PE=1 SV=3                                            | 2.836 | 3.053  | 12.55 | 0.510254 | -0.558733  | 1        |
| P68431 | Histone H3.1 OS=Homo sapiens GN=HIST1H3A PE=1 SV=2                                                         | 3.797 | 3.542  | 3.475 | 0.510122 | -0.0871943 | 2.333333 |
| P07237 | Protein disulfide-isomerase OS=Homo sapiens GN=P4HB PE=1 SV=3                                              | 4.223 | 2.843  | 3.64  | 0.50829  | 0.243298   | 5.666667 |
| O75390 | Citrate synthase, mitochondrial OS=Homo sapiens GN=CS PE=1 SV=2                                            | 1.952 | 4.581  | 3.668 | 0.505892 | -0.994863  | 2        |
| Q92974 | Rho guanine nucleotide exchange factor 2 OS=Homo sapiens GN=ARHGEF2 PE=1 SV=4                              | 2.912 | 3.554  | 3.517 | 0.50381  | -0.376773  | 1.333333 |
| O00231 | 26S proteasome non-ATPase regulatory subunit 11 OS=Homo sapiens GN=PSMD11 PE=1 SV=3                        | 7.8   | 3.326  | 3.543 | 0.499962 | 1.16829    | 4.666667 |
| P00505 | Aspartate aminotransferase, mitochondrial OS=Homo sapiens GN=GOT2 PE=1 SV=3                                | 2.061 | 0      | 2.741 | 0.486569 | -0.923349  | 0.666667 |
| P04083 | Annexin A1 OS=Homo sapiens GN=ANXA1 PE=1 SV=2                                                              | 4.385 | 4.007  | 0     | 0.481895 | -0.601433  | 0.666667 |
| Q8WY22 | BRI3-binding protein OS=Homo sapiens GN=BRI3BP PE=1 SV=1                                                   | 3.404 | 5.6    | 3.154 | 0.469775 | -1.02589   | 1.333333 |
| Q9Y3B4 | Splicing factor 3B subunit 6 OS=Homo sapiens GN=SF3B6 PE=1 SV=1                                            | 3.26  | 4.059  | 1.582 | 0.4658   | -0.332609  | 6.666667 |
| P14618 | Pyruvate kinase PKM OS=Homo sapiens GN=PKM PE=1 SV=4                                                       | 3.647 | 3.549  | 4.243 | 0.4575   | -0.641858  | 6        |
| P62829 | 60S ribosomal protein L23 OS=Homo sapiens GN=RPL23 PE=1 SV=1                                               | 3.172 | 2.623  | 3.85  | 0.453809 | -0.245404  | 1.666667 |
| P33991 | DNA replication licensing factor MCM4 OS=Homo sapiens GN=MCM4 PE=1 SV=5                                    | 3.903 | 4.111  | 6.514 | 0.450884 | -0.194475  | 4        |
| Q92621 | Nuclear pore complex protein Nup205 OS=Homo sapiens GN=NUP205 PE=1 SV=3                                    | 4.921 | 5.308  | 6.099 | 0.445123 | 0.44875    | 2        |
| P26639 | Threonine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=TARS PE=1 SV=3                                      | 4.556 | 2.682  | 2.239 | 0.437518 | 1.28487    | 1        |
| O00410 | Importin-5 OS=Homo sapiens GN=IPO5 PE=1 SV=4                                                               | 5.428 | 3.192  | 3.71  | 0.424846 | 0.414599   | 3.333333 |
| P60900 | Proteasome subunit alpha type-6 OS=Homo sapiens GN=PSMA6 PE=1 SV=1                                         | 3.585 | 4.002  | 4.108 | 0.42478  | -0.860921  | 9        |
| P61313 | 60S ribosomal protein L15 OS=Homo sapiens GN=RPL15 PE=1 SV=2                                               | 3.325 | 10.923 | 3.341 | 0.412711 | -0.396813  | 1.666667 |
| P48735 | Isocitrate dehydrogenase [NADP], mitochondrial OS=Homo sapiens GN=IDH2 PE=1 SV=2                           | 4.115 | 3.452  | 3.606 | 0.405941 | 0.235553   | 2.666667 |
| P31948 | Stress-induced-phosphoprotein 1 OS=Homo sapiens GN=STIP1 PE=1 SV=1                                         | 3.675 | 3.886  | 4.534 | 0.401635 | -0.365935  | 3.333333 |
| P62888 | 60S ribosomal protein L30 OS=Homo sapiens GN=RPL30 PE=1 SV=2                                               | 3.596 | 3.955  | 4.34  | 0.391524 | -1.06261   | 1.333333 |
| P48147 | Prolyl endopeptidase OS=Homo sapiens GN=PREP PE=1 SV=2                                                     | 4.844 | 2.774  | 3.043 | 0.381386 | 1.64591    | 2.666667 |

|        |                                                                                                                       |       |       |       |          |            |          |
|--------|-----------------------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|------------|----------|
| P25705 | ATP synthase subunit alpha, mitochondrial OS=Homo sapiens GN=ATP5A1 PE=1 SV=1                                         | 4.452 | 3.634 | 3.743 | 0.379693 | 0.221033   | 5.666667 |
| Q12931 | Heat shock protein 75 kDa, mitochondrial OS=Homo sapiens GN=TRAP1 PE=1 SV=3                                           | 3.225 | 4.286 | 3.405 | 0.379296 | -0.315023  | 2.666667 |
| P38646 | Stress-70 protein, mitochondrial OS=Homo sapiens GN=HSPA9 PE=1 SV=2                                                   | 5.087 | 4.431 | 4.87  | 0.376006 | -0.903159  | 3        |
| Q15029 | 116 kDa U5 small nuclear ribonucleoprotein component OS=Homo sapiens GN=EFTUD2 PE=1 SV=1                              | 3.85  | 5.045 | 3.588 | 0.375966 | -0.369264  | 1.333333 |
| P61803 | Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1 OS=Homo sapiens GN=DAD1 PE=1 SV=3         | 3.72  | 4.302 | 0     | 0.375466 | -0.199376  | 1        |
| Q8NC51 | Plasminogen activator inhibitor 1 RNA-binding protein OS=Homo sapiens GN=SERBP1 PE=1 SV=2                             | 3.21  | 3.532 | 3.226 | 0.373975 | 0.609436   | 3        |
| Q9UBF2 | Coatomer subunit gamma-2 OS=Homo sapiens GN=COPG2 PE=1 SV=1                                                           | 4.48  | 2.423 | 2.58  | 0.371635 | 1.87504    | 1.666667 |
| P30044 | Peroxisiredoxin-5, mitochondrial OS=Homo sapiens GN=PRDX5 PE=1 SV=4                                                   | 3.816 | 0     | 2.755 | 0.367654 | -0.535348  | 0.666667 |
| O75533 | Splicing factor 3B subunit 1 OS=Homo sapiens GN=SF3B1 PE=1 SV=3                                                       | 3.149 | 4.107 | 5.672 | 0.362802 | -0.259261  | 1.333333 |
| P18621 | 60S ribosomal protein L17 OS=Homo sapiens GN=RPL17 PE=1 SV=3                                                          | 2.99  | 0     | 3.805 | 0.360795 | -0.541222  | 0.666667 |
| P52597 | Heterogeneous nuclear ribonucleoprotein F OS=Homo sapiens GN=HNRNPF PE=1 SV=3                                         | 7.683 | 3.248 | 2.844 | 0.358487 | 0.923801   | 4.666667 |
| P60709 | Actin, cytoplasmic 1 OS=Homo sapiens GN=ACTB PE=1 SV=1                                                                | 3.844 | 3.344 | 0     | 0.35754  | -0.0710135 | 8.333333 |
| P46777 | 60S ribosomal protein L5 OS=Homo sapiens GN=RPL5 PE=1 SV=3                                                            | 2.782 | 0     | 9.273 | 0.355016 | -0.422448  | 0.666667 |
| P62826 | GTP-binding nuclear protein Ran OS=Homo sapiens GN=RAN PE=1 SV=3                                                      | 3.879 | 3.23  | 3.738 | 0.345077 | -0.0199159 | 5.666667 |
| Q92841 | Probable ATP-dependent RNA helicase DDX17 OS=Homo sapiens GN=DDX17 PE=1 SV=2                                          | 4.147 | 4.209 | 4.235 | 0.343795 | -0.124701  | 5.666667 |
| P14625 | Endoplasmic OS=Homo sapiens GN=HSP90B1 PE=1 SV=1                                                                      | 3.921 | 3.672 | 2.732 | 0.34376  | 0.116317   | 5.333333 |
| Q9BPX3 | Condensin complex subunit 3 OS=Homo sapiens GN=NCAPG PE=1 SV=1                                                        | 3.892 | 0     | 2.394 | 0.342144 | -0.378214  | 0.666667 |
| Q9Y3U8 | 60S ribosomal protein L36 OS=Homo sapiens GN=RPL36 PE=1 SV=3                                                          | 4.079 | 0     | 5.125 | 0.33972  | -0.176557  | 1        |
| Q15393 | Splicing factor 3B subunit 3 OS=Homo sapiens GN=SF3B3 PE=1 SV=4                                                       | 3.944 | 3.679 | 0     | 0.333316 | -0.306596  | 1.666667 |
| P11586 | C-1-tetrahydrofolate synthase, cytoplasmic OS=Homo sapiens GN=MTHFD1 PE=1 SV=3                                        | 3.89  | 4.081 | 4.274 | 0.327575 | -0.580629  | 1.666667 |
| P46776 | 60S ribosomal protein L27a OS=Homo sapiens GN=RPL27A PE=1 SV=2                                                        | 4.003 | 3.276 | 3.284 | 0.327237 | 0.388967   | 4.333333 |
| P30154 | Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform OS=Homo sapiens GN=PPP2R1B PE=1 SV=3 | 4.829 | 5.509 | 4.885 | 0.326411 | 0.345978   | 2        |
| P23396 | 40S ribosomal protein S3 OS=Homo sapiens GN=RPS3 PE=1 SV=2                                                            | 3.932 | 3.508 | 4.113 | 0.326348 | -0.0878893 | 4.333333 |
| P09874 | Poly [ADP-ribose] polymerase 1 OS=Homo sapiens GN=PARP1 PE=1 SV=4                                                     | 3.65  | 0     | 3.726 | 0.322149 | 0.945977   | 1.333333 |
| P00558 | Phosphoglycerate kinase 1 OS=Homo sapiens GN=PGK1 PE=1 SV=3                                                           | 4.014 | 3.553 | 0     | 0.317171 | -0.0329406 | 4.666667 |
| Q14166 | Tubulin--tyrosine ligase-like protein 12 OS=Homo sapiens GN=TTLL12 PE=1 SV=2                                          | 3.761 | 3.291 | 3.169 | 0.31421  | 0.175702   | 3.333333 |
| P17812 | CTP synthase 1 OS=Homo sapiens GN=CTPS1 PE=1 SV=2                                                                     | 3.949 | 4.418 | 0     | 0.309265 | -0.235153  | 1        |
| P51148 | Ras-related protein Rab-5C OS=Homo sapiens GN=RAB5C PE=1 SV=2                                                         | 4.454 | 2.354 | 2.86  | 0.308819 | 0.99423    | 1.666667 |
| P61158 | Actin-related protein 3 OS=Homo sapiens GN=ACTR3 PE=1 SV=3                                                            | 6.31  | 3.601 | 3.413 | 0.298049 | 0.889515   | 3.666667 |
| P16403 | Histone H1.2 OS=Homo sapiens GN=HIST1H1C PE=1 SV=2                                                                    | 4.775 | 2.705 | 3.645 | 0.293183 | 0.209053   | 5.333333 |
| P35579 | Myosin-9 OS=Homo sapiens GN=MYH9 PE=1 SV=4                                                                            | 3.854 | 3.936 | 3.168 | 0.288088 | -0.0392735 | 11.66667 |
| Q08211 | ATP-dependent RNA helicase A OS=Homo sapiens GN=DHX9 PE=1 SV=4                                                        | 4.06  | 4.033 | 2.519 | 0.286595 | -0.12534   | 5.333333 |
| P62258 | 14-3-3 protein epsilon OS=Homo sapiens GN=YWHAE PE=1 SV=1                                                             | 3.819 | 2.885 | 4.138 | 0.278852 | -0.121633  | 2        |
| Q9H2U1 | ATP-dependent RNA helicase DHX36 OS=Homo sapiens GN=DHX36 PE=1 SV=2                                                   | 4.012 | 4.299 | 3.808 | 0.277068 | -0.440133  | 4.333333 |
| P42704 | Leucine-rich PPR motif-containing protein, mitochondrial OS=Homo sapiens GN=LRPPRC PE=1 SV=3                          | 3.33  | 4.093 | 4.346 | 0.276908 | -0.27686   | 6.333333 |
| P46781 | 40S ribosomal protein S9 OS=Homo sapiens GN=RPS9 PE=1 SV=3                                                            | 4.249 | 2.987 | 4.071 | 0.272051 | -0.26069   | 2.333333 |
| P46783 | 40S ribosomal protein S10 OS=Homo sapiens GN=RPS10 PE=1 SV=1                                                          | 3.662 | 0     | 2.6   | 0.269907 | 0.214262   | 1.333333 |
| Q08J23 | tRNA (cytosine(34)-C(5))-methyltransferase OS=Homo sapiens GN=NSUN2 PE=1 SV=2                                         | 9.5   | 2.556 | 2.755 | 0.267005 | 1.97228    | 4.333333 |
| P05141 | ADP/ATP translocase 2 OS=Homo sapiens GN=SLC25A5 PE=1 SV=7                                                            | 3.237 | 4.177 | 4.223 | 0.265933 | -0.2281    | 3        |
| P50395 | Rab GDP dissociation inhibitor beta OS=Homo sapiens GN=GDI2 PE=1 SV=2                                                 | 3.288 | 7.226 | 6.04  | 0.26453  | 0.348066   | 2.333333 |

|        |                                                                                                    |       |        |        |          |            |          |
|--------|----------------------------------------------------------------------------------------------------|-------|--------|--------|----------|------------|----------|
| P60953 | Cell division control protein 42 homolog OS=Homo sapiens GN=CDC42 PE=1 SV=2                        | 3.899 | 5.794  | 4.907  | 0.264196 | 0.11991    | 1.666667 |
| P06576 | ATP synthase subunit beta, mitochondrial OS=Homo sapiens GN=ATP5B PE=1 SV=3                        | 4.018 | 3.145  | 3.729  | 0.263358 | 0.0370585  | 15.66667 |
| Q7KZF4 | Staphylococcal nuclease domain-containing protein 1 OS=Homo sapiens GN=SND1 PE=1 SV=1              | 3.333 | 5.204  | 5.716  | 0.258478 | 1.44163    | 3        |
| Q9BQG0 | Myb-binding protein 1A OS=Homo sapiens GN=MYBBP1A PE=1 SV=2                                        | 3.657 | 4.731  | 4.147  | 0.257841 | -0.18805   | 1        |
| Q01082 | Spectrin beta chain, non-erythrocytic 1 OS=Homo sapiens GN=SPTBN1 PE=1 SV=2                        | 4.089 | 4.195  | 4.292  | 0.256009 | -0.10015   | 11.66667 |
| P04899 | Guanine nucleotide-binding protein G(i) subunit alpha-2 OS=Homo sapiens GN=GNAI2 PE=1 SV=3         | 2.947 | 4.293  | 0      | 0.254842 | -0.350461  | 0.666667 |
| P46779 | 60S ribosomal protein L28 OS=Homo sapiens GN=RPL28 PE=1 SV=3                                       | 3.423 | 3.593  | 0      | 0.251418 | -0.105055  | 2.333333 |
| P40926 | Malate dehydrogenase, mitochondrial OS=Homo sapiens GN=MDH2 PE=1 SV=3                              | 4.189 | 0      | 6.025  | 0.249036 | 0.214674   | 1.666667 |
| P22234 | Multifunctional protein ADE2 OS=Homo sapiens GN=PAICS PE=1 SV=3                                    | 4.039 | 3.614  | 0      | 0.248175 | -0.271203  | 2.333333 |
| P27348 | 14-3-3 protein theta OS=Homo sapiens GN=YWHAQ PE=1 SV=1                                            | 5.269 | 2.307  | 1.796  | 0.241898 | 0.441151   | 2.666667 |
| O75643 | U5 small nuclear ribonucleoprotein 200 kDa helicase OS=Homo sapiens GN=SNRNP200 PE=1 SV=2          | 3.454 | 0      | 4.773  | 0.240803 | -0.17234   | 1.333333 |
| Q8WUM0 | Nuclear pore complex protein Nup133 OS=Homo sapiens GN=NUP133 PE=1 SV=2                            | 7.875 | 2.943  | 2.605  | 0.233785 | 1.2924     | 1.333333 |
| P63244 | Receptor of activated protein C kinase 1 OS=Homo sapiens GN=RACK1 PE=1 SV=3                        | 3.769 | 0      | 1.874  | 0.233123 | -0.0511217 | 1.666667 |
| P35613 | Basigin OS=Homo sapiens GN=BSG PE=1 SV=2                                                           | 3.429 | 0      | 3.415  | 0.22813  | -0.172075  | 1.333333 |
| P32969 | 60S ribosomal protein L9 OS=Homo sapiens GN=RPL9 PE=1 SV=1                                         | 4.251 | 11.909 | 6.475  | 0.222749 | 0.0939931  | 1        |
| P81605 | Dermcidin OS=Homo sapiens GN=DCD PE=1 SV=2                                                         | 4.759 | 3.279  | 2.935  | 0.221547 | 0.658763   | 1.333333 |
| Q13151 | Heterogeneous nuclear ribonucleoprotein A0 OS=Homo sapiens GN=HNRNPA0 PE=1 SV=1                    | 3.901 | 3.857  | 4.131  | 0.220766 | -0.0672231 | 4.333333 |
| P24390 | ER lumen protein-retaining receptor 1 OS=Homo sapiens GN=KDELRL1 PE=1 SV=1                         | 7.161 | 3.281  | 3.227  | 0.220206 | 0.572631   | 1.666667 |
| Q9UQ80 | Proliferation-associated protein 2G4 OS=Homo sapiens GN=PA2G4 PE=1 SV=3                            | 4.693 | 3.185  | 3.857  | 0.219522 | 0.132257   | 2.333333 |
| P30876 | DNA-directed RNA polymerase II subunit RPB2 OS=Homo sapiens GN=POLR2B PE=1 SV=1                    | 6.48  | 3.574  | 3.285  | 0.219379 | 0.464445   | 1        |
| P49748 | Very long-chain specific acyl-CoA dehydrogenase, mitochondrial OS=Homo sapiens GN=ACADVL PE=1 SV=1 | 4.229 | 0      | 13.545 | 0.217467 | -0.250119  | 1        |
| O00571 | ATP-dependent RNA helicase DDX3X OS=Homo sapiens GN=DDX3X PE=1 SV=3                                | 3.527 | 3.351  | 0      | 0.212904 | -0.280587  | 2.333333 |
| Q16531 | DNA damage-binding protein 1 OS=Homo sapiens GN=DDB1 PE=1 SV=1                                     | 3.329 | 3.112  | 4.31   | 0.210261 | -0.214276  | 2.333333 |
| P42224 | Signal transducer and activator of transcription 1-alpha/beta OS=Homo sapiens GN=STAT1 PE=1 SV=2   | 5.071 | 3.42   | 3.757  | 0.199151 | 0.334056   | 1.666667 |
| P35268 | 60S ribosomal protein L22 OS=Homo sapiens GN=RPL22 PE=1 SV=2                                       | 3.906 | 5.193  | 6.232  | 0.198643 | 0.0226769  | 1.666667 |
| P39019 | 40S ribosomal protein S19 OS=Homo sapiens GN=RPS19 PE=1 SV=2                                       | 3.606 | 4.962  | 0      | 0.190753 | -0.113076  | 1.666667 |
| P68104 | Elongation factor 1-alpha 1 OS=Homo sapiens GN=EEF1A1 PE=1 SV=1                                    | 4.184 | 0      | 3.598  | 0.187809 | -0.0746029 | 3        |
| Q02543 | 60S ribosomal protein L18a OS=Homo sapiens GN=RPL18A PE=1 SV=2                                     | 3.504 | 6.643  | 0      | 0.184657 | -0.09929   | 1.666667 |
| P31930 | Cytochrome b-c1 complex subunit 1, mitochondrial OS=Homo sapiens GN=UQCRC1 PE=1 SV=3               | 3.282 | 6.576  | 6.556  | 0.177947 | 0.202149   | 1.333333 |
| P25789 | Proteasome subunit alpha type-4 OS=Homo sapiens GN=PSMA4 PE=1 SV=1                                 | 2.786 | 4.703  | 4.36   | 0.168818 | -0.31775   | 2.333333 |
| P55060 | Exportin-2 OS=Homo sapiens GN=CSE1L PE=1 SV=3                                                      | 3.563 | 3.246  |        | 0.163374 | -0.0783394 | 1        |
| Q00839 | Heterogeneous nuclear ribonucleoprotein U OS=Homo sapiens GN=HNRNPU PE=1 SV=6                      | 4.22  | 5.985  | 5.268  | 0.161034 | -0.0705046 | 7.666667 |
| Q9UHD8 | Septin-9 OS=Homo sapiens GN=SEPT9 PE=1 SV=2                                                        | 3.769 | 2.345  | 3.159  | 0.149778 | 0.454265   | 3        |
| Q9NQC3 | Reticulon-4 OS=Homo sapiens GN=RTN4 PE=1 SV=2                                                      | 2.661 | 2.052  | 2.521  | 0.148152 | -0.173774  | 2.666667 |
| Q9P2J5 | Leucine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=LARS PE=1 SV=2                                | 3.436 | 9.227  | 12.636 | 0.142592 | -0.0928507 | 2        |
| O00154 | Cytosolic acyl coenzyme A thioester hydrolase OS=Homo sapiens GN=ACOT7 PE=1 SV=3                   | 3.224 | 3.631  | 0      | 0.141499 | -0.177657  | 1        |
| P63220 | 40S ribosomal protein S21 OS=Homo sapiens GN=RPS21 PE=1 SV=1                                       | 4.263 | 5.981  | 4.793  | 0.140041 | 0.0823411  | 1.666667 |
| Q9BVC6 | Transmembrane protein 109 OS=Homo sapiens GN=TMEM109 PE=1 SV=1                                     | 4.633 | 2.231  | 0      | 0.135952 | 0.0892499  | 0.666667 |
| P57088 | Transmembrane protein 33 OS=Homo sapiens GN=TMEM33 PE=1 SV=2                                       | 2.943 | 4.344  | 4.421  | 0.133393 | -0.236261  | 2        |
| P33993 | DNA replication licensing factor MCM7 OS=Homo sapiens GN=MCM7 PE=1 SV=4                            | 3.238 | 3.366  | 3.053  | 0.128881 | 0.407607   | 6        |
| P00338 | L-lactate dehydrogenase A chain OS=Homo sapiens GN=LDHA PE=1 SV=2                                  | 3.83  | 0      | 3.547  | 0.127061 | -0.0526941 | 3.333333 |

|        |                                                                                                    |       |       |        |           |            |          |
|--------|----------------------------------------------------------------------------------------------------|-------|-------|--------|-----------|------------|----------|
| Q9UL46 | Proteasome activator complex subunit 2 OS=Homo sapiens GN=PSME2 PE=1 SV=4                          | 3.756 | 3.964 | 4.011  | 0.12328   | -0.0445861 | 5.666667 |
| Q92945 | Far upstream element-binding protein 2 OS=Homo sapiens GN=KHSRP PE=1 SV=4                          | 3.929 | 0     | 5.611  | 0.120564  | 0.0182406  | 2        |
| P62820 | Ras-related protein Rab-1A OS=Homo sapiens GN=RAB1A PE=1 SV=3                                      | 3     | 6.044 | 5.206  | 0.117757  | 0.161437   | 2        |
| Q9UHB9 | Signal recognition particle subunit SRP68 OS=Homo sapiens GN=SRP68 PE=1 SV=2                       | 3.821 | 3.026 | 3.815  | 0.117712  | 0.0669555  | 2.666667 |
| P08708 | 40S ribosomal protein S17 OS=Homo sapiens GN=RPS17 PE=1 SV=2                                       | 2.67  | 4.631 | 5.195  | 0.114803  | 0.605427   | 5.333333 |
| Q6P2E9 | Enhancer of mRNA-decapping protein 4 OS=Homo sapiens GN=EDC4 PE=1 SV=1                             | 4.693 | 3.759 | 3.154  | 0.111326  | 0.151237   | 5        |
| P28066 | Proteasome subunit alpha type-5 OS=Homo sapiens GN=PSMA5 PE=1 SV=3                                 | 4.962 | 4.561 | 4.72   | 0.107039  | 0.107158   | 1        |
| P62263 | 40S ribosomal protein S14 OS=Homo sapiens GN=RPS14 PE=1 SV=3                                       | 2.754 |       | 8.273  | 0.10419   | -0.236469  | 1        |
| P49736 | DNA replication licensing factor MCM2 OS=Homo sapiens GN=MCM2 PE=1 SV=4                            | 7.167 | 3.562 | 3.154  | 0.10404   | 0.337025   | 3.666667 |
| Q14019 | Coactosin-like protein OS=Homo sapiens GN=COTL1 PE=1 SV=3                                          | 4.251 | 0     | 2.74   | 0.103423  | 0.0659482  | 0.666667 |
| Q9H0A0 | RNA cytidine acetyltransferase OS=Homo sapiens GN=NAT10 PE=1 SV=2                                  | 4.137 | 3.602 | 3.641  | 0.103412  | 0.034972   | 2.333333 |
| P35610 | Sterol O-acetyltransferase 1 OS=Homo sapiens GN=SOAT1 PE=1 SV=3                                    | 5.194 | 6.436 | 5.443  | 0.103017  | 0.240816   | 3        |
| P18031 | Tyrosine-protein phosphatase non-receptor type 1 OS=Homo sapiens GN=PTPN1 PE=1 SV=1                | 3.155 | 3.512 | 1.864  | 0.10216   | -0.116759  | 3.666667 |
| Q29RF7 | Sister chromatid cohesion protein PDS5 homolog A OS=Homo sapiens GN=PDS5A PE=1 SV=1                | 4.238 | 5.254 | 0      | 0.101629  | 0.0540315  | 1        |
| Q3ZCQ8 | Mitochondrial import inner membrane translocase subunit TIM50 OS=Homo sapiens GN=TIMM50 PE=1 SV=2  | 4.387 | 0     | 5.284  | 0.0984052 | -0.160479  | 1        |
| P61254 | 60S ribosomal protein L26 OS=Homo sapiens GN=RPL26 PE=1 SV=1                                       | 3.754 | 3.779 | 3.806  | 0.0906889 | -0.0362568 | 5        |
| P14866 | Heterogeneous nuclear ribonucleoprotein L OS=Homo sapiens GN=HNRNPL PE=1 SV=2                      | 4.994 | 0     | 3.929  | 0.0902304 | 0.183456   | 1.333333 |
| P07737 | Profilin-1 OS=Homo sapiens GN=PFN1 PE=1 SV=2                                                       | 3.938 | 2.884 | 3.05   | 0.0836259 | -0.0460884 | 14       |
| P49257 | Protein ERGIC-53 OS=Homo sapiens GN=LMAN1 PE=1 SV=2                                                | 3.216 | 3.435 | 2.804  | 0.0811553 | 0.213312   | 3.666667 |
| P61619 | Protein transport protein Sec61 subunit alpha isoform 1 OS=Homo sapiens GN=SEC61A1 PE=1 SV=2       | 3.998 | 3.933 | 3.531  | 0.0809393 | -0.0347582 | 1.666667 |
| P40925 | Malate dehydrogenase, cytoplasmic OS=Homo sapiens GN=MDH1 PE=1 SV=4                                | 5.176 | 3.171 | 2.796  | 0.0756511 | 0.189111   | 1.333333 |
| P30101 | Protein disulfide-isomerase A3 OS=Homo sapiens GN=PDIA3 PE=1 SV=4                                  | 3.476 | 4.142 | 5.678  | 0.0742282 | -0.204618  | 3.333333 |
| P63104 | 14-3-3 protein zeta/delta OS=Homo sapiens GN=YWHAZ PE=1 SV=1                                       | 3.262 | 6.475 | 10.071 | 0.0716053 | 0.0659905  | 2        |
| Q86YZ3 | Hornerin OS=Homo sapiens GN=HRNR PE=1 SV=2                                                         | 2.33  | 2.932 | 3.369  | 0.0671102 | 0.300556   | 2.333333 |
| P62753 | 40S ribosomal protein S6 OS=Homo sapiens GN=RPS6 PE=1 SV=1                                         | 4.101 | 4.61  | 4.222  | 0.06599   | -0.0585249 | 3        |
| Q9Y285 | Phenylalanine--tRNA ligase alpha subunit OS=Homo sapiens GN=FARSA PE=1 SV=3                        | 5.833 | 3.591 | 2.933  | 0.0614413 | 0.247713   | 1.333333 |
| Q709C8 | Vacuolar protein sorting-associated protein 13C OS=Homo sapiens GN=VPS13C PE=1 SV=1                | 2.789 | 2.69  | 3.485  | 0.0610503 | 0.23484    | 1.666667 |
| Q86Y56 | Dynein assembly factor 5, axonemal OS=Homo sapiens GN=DNAAF5 PE=1 SV=4                             | 4.724 | 4.596 | 4.194  | 0.0603291 | -0.151688  | 1.666667 |
| Q7L2E3 | Putative ATP-dependent RNA helicase DHX30 OS=Homo sapiens GN=DHX30 PE=1 SV=1                       | 5.667 | 5.525 | 4.814  | 0.0588364 | 0.21814    | 1.666667 |
| P60866 | 40S ribosomal protein S20 OS=Homo sapiens GN=RPS20 PE=1 SV=1                                       | 3.55  | 4.307 | 4.883  | 0.0473443 | -0.0265726 | 2.666667 |
| Q9UI30 | Multifunctional methyltransferase subunit TRM112-like protein OS=Homo sapiens GN=TRMT112 PE=1 SV=1 | 5.333 | 0     | 3.965  | 0.0456464 | -0.196243  | 1.333333 |
| P29692 | Elongation factor 1-delta OS=Homo sapiens GN=EEF1D PE=1 SV=5                                       | 5.831 | 2.198 | 3.477  | 0.0448509 | 0.191538   | 1.333333 |
| P27708 | CAD protein OS=Homo sapiens GN=CAD PE=1 SV=3                                                       | 3.789 | 5.333 | 0      | 0.0441978 | -0.0282062 | 2        |
| P43487 | Ran-specific GTPase-activating protein OS=Homo sapiens GN=RANBP1 PE=1 SV=1                         | 3.884 | 3.763 | 2.93   | 0.0439749 | 0.0131665  | 1.333333 |
| P11142 | Heat shock cognate 71 kDa protein OS=Homo sapiens GN=HSPA8 PE=1 SV=1                               | 4.327 | 5.239 | 6.852  | 0.0411723 | 0.020622   | 6.666667 |
| O43390 | Heterogeneous nuclear ribonucleoprotein R OS=Homo sapiens GN=HNRNPR PE=1 SV=1                      | 3.853 | 3.209 | 3.883  | 0.0213584 | 0.00730334 | 3.666667 |
| P25398 | 40S ribosomal protein S12 OS=Homo sapiens GN=RPS12 PE=1 SV=3                                       | 3.426 | 3.039 | 0      | 0.0177067 | -0.0151731 | 1        |
| P30050 | 60S ribosomal protein L12 OS=Homo sapiens GN=RPL12 PE=1 SV=1                                       | 9.233 | 3.005 | 0      | 0.0170173 | 0.009914   | 1.333333 |
| Q12931 | Heat shock protein 75 kDa, mitochondrial OS=Homo sapiens GN=TRAP1 PE=1 SV=3                        | 3.338 | 3.523 | 2.864  | 0.0164297 | 0.0108082  | 3.333333 |
| Q99832 | T-complex protein 1 subunit eta OS=Homo sapiens GN=CCT7 PE=1 SV=2                                  | 4.075 | 5.238 | 4.827  | 0.0161096 | 0.00477464 | 5.666667 |
| Q9Y4L1 | Hypoxia up-regulated protein 1 OS=Homo sapiens GN=HYOU1 PE=1 SV=1                                  | 5.351 | 3.02  | 0      | 0.015767  | -0.0286379 | 1        |
| Q86Y46 | Keratin, type II cytoskeletal 73 OS=Homo sapiens GN=KRT73 PE=1 SV=1                                | 7.92  | 3.473 | 3.902  | 0.0149681 | 0.00679294 | 1.666667 |

|        |                                                                                                                  |       |       |       |             |             |          |
|--------|------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------------|-------------|----------|
| P42677 | 40S ribosomal protein S27 OS=Homo sapiens GN=RPS27 PE=1 SV=3                                                     | 4.145 | 0     | 4.924 | 0.0142395   | 0.00686406  | 2        |
| P60174 | Triosephosphate isomerase OS=Homo sapiens GN=TPI1 PE=1 SV=3                                                      | 4.361 | 3.452 | 3.921 | 0.012174    | 0.00653601  | 1        |
| P34897 | Serine hydroxymethyltransferase, mitochondrial OS=Homo sapiens GN=SHMT2 PE=1 SV=3                                | 5.909 | 3.372 | 3.78  | 0.00884991  | 0.0212256   | 1.333333 |
| P61353 | 60S ribosomal protein L27 OS=Homo sapiens GN=RPL27 PE=1 SV=2                                                     | 3.763 | 1.857 | 3.278 | 0.00824034  | 0.00412013  | 2        |
| Q07666 | KH domain-containing, RNA-binding, signal transduction-associated protein 1 OS=Homo sapiens GN=KHDRBS1 PE=1 SV=1 | 6.93  | 3.346 | 2.01  | 0.00697452  | 0.0138562   | 1.666667 |
| P31939 | Bifunctional purine biosynthesis protein PURH OS=Homo sapiens GN=ATIC PE=1 SV=3                                  | 5.7   | 4.934 | 4.354 | 0.00332942  | -0.00719325 | 4        |
| P11166 | Solute carrier family 2, facilitated glucose transporter member 1 OS=Homo sapiens GN=SLC2A1 PE=1 SV=2            | 5.86  | 7.095 | 5.73  | 0.00199463  | 0.00758687  | 1        |
| P17844 | Probable ATP-dependent RNA helicase DDX5 OS=Homo sapiens GN=DDX5 PE=1 SV=1                                       | 5.246 | 5.383 | 5.37  | -0.00310576 | 0.00635091  | 4.666667 |
| P23526 | Adenosylhomocysteinase OS=Homo sapiens GN=AHCY PE=1 SV=4                                                         | 8.616 | 2.605 | 3.576 | -0.0152974  | 0.0107769   | 3        |
| P33992 | DNA replication licensing factor MCM5 OS=Homo sapiens GN=MCM5 PE=1 SV=5                                          | 4.606 | 3.837 | 3.544 | -0.0190352  | 0.0171605   | 2        |

## 5. Supplementary References

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