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**Wound Status Early Outcome Sensor and 3D Construct Development**

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**14. ABSTRACT**

Early identification of the specific proteins, which indicate delayed healing are critical to long-term success of the patient and the development of new treatments. It is the objective of this research to correlate changes in the proteome of wounds with clinical outcome and develop technology to sense these changes. A technique to classify a sampling timepoint based on a sliding 3 timepoint scale was developed. Proteomic analysis of the wound fluid utilized antibody dependent and independent techniques. The quantitative microarray demonstrated significantly different levels of S100A8 and TGFBR3 between healing and worsening wounds. The utilization of SRM-MS for wound fluid analysis is a significant development in the path to wound outcome diagnosis. Ultimately this work may allow the development of personalized wound care based on the proteomic characteristics of the wound.

**15. SUBJECT TERMS**

Wound healing, proteomics, biomarkers, microarray, xerogel, SRM-MS, wound fluid, S100A8, S100A9, CXCL9, L-selectin, wound trajectory, MMP-9, TGFB3, RBP4

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## INTRODUCTION:

Early identification of the specific proteins, which indicate delayed healing are critical to long-term success of the patient and the development of new treatments. It is our hypothesis that real time sensing of the wound proteome can be used to predict wound outcome, resulting in tailored treatment that improve acute and chronic wound healing. The focus of this proposal is to correlate protein targets and wound outcome and develop a technology that can sense the microenvironment in acute and chronic wounds.

## KEYWORDS:

Wound healing, proteomics, biomarkers, microarray, xerogel, SRM-MS, wound fluid, S100A8, S100A9, CXCL9, L-selectin, wound trajectory, MMP-9, TGFB3, RBP4

## OVERALL PROJECT SUMMARY:

### Statement of Work

Technical Objective 1:

Develop technologies for sensing multiple proteins in the wound microenvironment, in real time.

Subtask 1.1 Develop xerogel-based elements.
Subtask 1.2 Develop PBG-based sensor platforms.
Subtask 1.3 Sensor design and evaluation using wound fluids.

Technical Objective 2:

Test the suitability of our technology for the detection of multiple proteins from acute and chronic wounds in vitro and in vivo, and correlate results with clinical outcomes.

Subtask 2.1 Collect fluid form subjects with pressure ulcers
Subtask 2.2 Collect samples from wounds in porcine model
Subtask 2.3 Proteomic analysis of wound fluid

## Technical Objective 1:

### *Subtask 1.1 Develop xerogel-based elements.*

Luminescence based detection is frequently used in chemical, medical, and biomedical diagnostic applications. These sensors have several advantages including fast response and high efficiency. They are less prone to contamination, and display high sensitivity and specificity compared to competing approaches. Sol-gel derived xerogels have been widely used as the platforms for immobilization of active agents. They are meso-porous materials that encapsulate the optically active recognition elements while providing maximum surface interaction area. New integrated sensors that included the xerogel as the selective sensing element were fabricated and the polymer porous photonic bandgap ($P^3BG$) structure as a tunable, high efficiency and noise-free bandpass filter and wavelength selector. This integration provided a template for luminescence based sensing with enhanced analytical signals (AS).

### *Subtask 1.2 Develop PBG-based sensor platforms.*

Monitoring of the biochemical environment on the curved surface of animal and human skin requires the development of a new class of sensing platform. A flexible optical sensing element that conforms to the curved surfaces could potentially be integrated into a bandage. Porous polymeric photonic bandgap ($P^3BG$) structures have been demonstrated to be excellent platforms for gas and liquid analyte sensing. Two main mechanisms are generally used for sensing with these structures: 1) detecting the wavelength shift of the photonic bandgap caused by the refractive index change induced by filling the pores with gaseous or liquid analytes; and 2) embedding analyte specific luminophores within the pores and detecting the quenching of their luminescence due to binding with the analyte. Porous polymeric PBG structures were fabricated on large area flexible substrates (Figure 1).

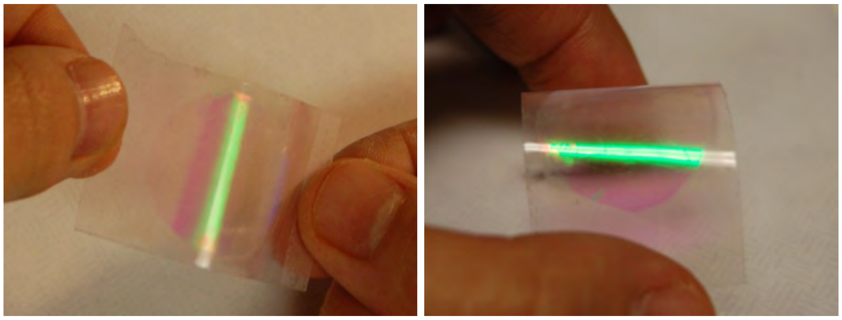

**Figure 1.** Images of flexible PBG structures.

The optical properties were characterized and compared as a function of angle of incidence for curved and flat porous polymer PBG structures. Specifically, samples were illuminated with the white light beam at positions with a displacement of *d* (*d=0mm, 2mm, 4mm,…*) from the center of the curved flexible PBG structure attached to the column of radius 12mm. The resulting transmission spectra, as a function of displacement, are plotted (Figure 2a). This result can be directly compared to the measurement of the transmission spectra of a flat PBG structure at angles $\alpha = sin^{-1}(d/R)$ (Figure 2b). The colors in the graph stand for the transmission efficiency. The dispersion curves from these two sets of data are in a good agreement with each other.

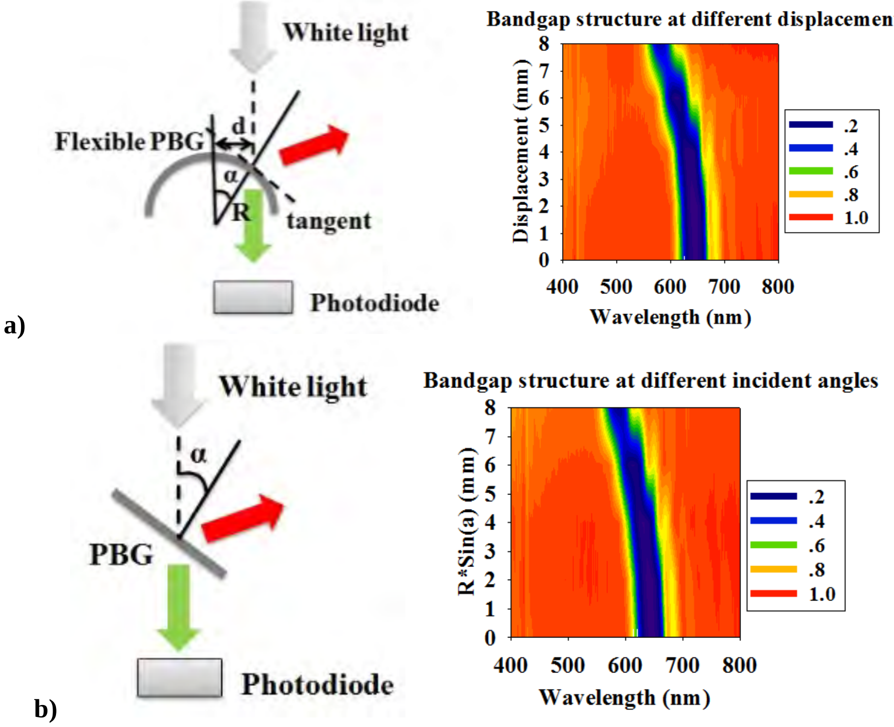

**Figure 2.** Measurement geometry and dispersion curves of a) flexible PBG structure for different displacements, d, and b) flat PBG structure at the corresponding incident angle $\alpha = \sin^{-1}(d/R)$.

Optical concentrators in the micron scale are important components for photonics devices. These micro-concentrators can be used to enhance the detection of fluorescence signals in biosensors. Micro-concave shaped Bragg reflector were fabricated using holographic photo-patterning by recording the interference of plane wave and divergent wave from the reflection of a spherical surface. The fabrication of these structures with dimensions down to several microns was successfully completed (Figure 3). The resulting structures demonstrate good light focusing (Figure 4). This method is more efficient and lower-cost when compared to other fabrication methods such as atomic layer deposition and electrochemical anodisation.

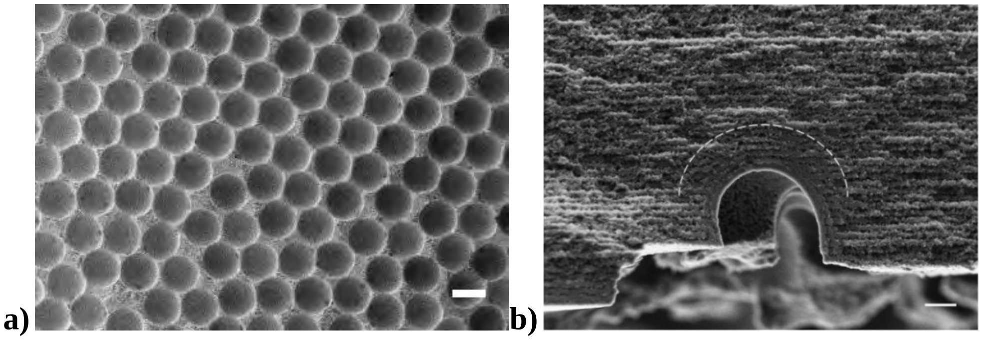

**Figure 3.** The SEM images of a) the top-view of the formed concave shaped Bragg reflector array (Scale bar: 5 μm); b) the cross-section of one concave shaped Bragg reflector (Scale bar: 1 μm), the white dash line indicates the profile of the concave layers.

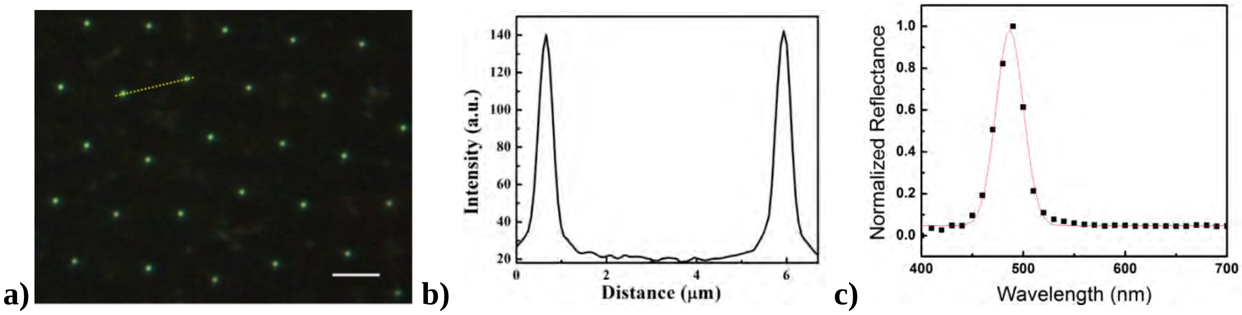

**Figure 4.** The microscope images of a)the microscopic image of the micro-spherical array illuminated using white light (scale bar: 5 μm); b) The variation of the gray value across the centers of two concave shaped Bragg reflectors and c) The normalized reflectance spectrum of the focusing points.

A one-step fabrication method was used to create a graded holographic photopolymer reflection grating by using cylindrical lens. The period of the Bragg reflector at different lateral positions along the structure is varied gradually, leading to a unique rainbow-colored reflection image in the same viewing angle (Figure 5). Compared to previously reported graded photonic or plasmonic structures prepared by expensive focus ion beam (FIB) milling or electron beam lithography techniques, this holographic photopatterning method is low-cost and amenable to large area fabrication. The dimension of these grating is scalable by using cylindrical lenses with different focal lengths and diameters.

These graded holographic photopolymer reflection gratings provide a low-cost and light-weight solution for multispectral imaging technology. By integrating these grating filters with other imaging devices, they can be applied in bio-imaging and sensing. Sensing for wound healing involves analyzing multiple proteins and growth factors in the wound microenvironment. The graded grating has the potential to serve as multiplexed-channel analyte sensors. Series of fluorescent labels with distinctive emission wavelengths can be employed to detect multiple analytes on one sensor.

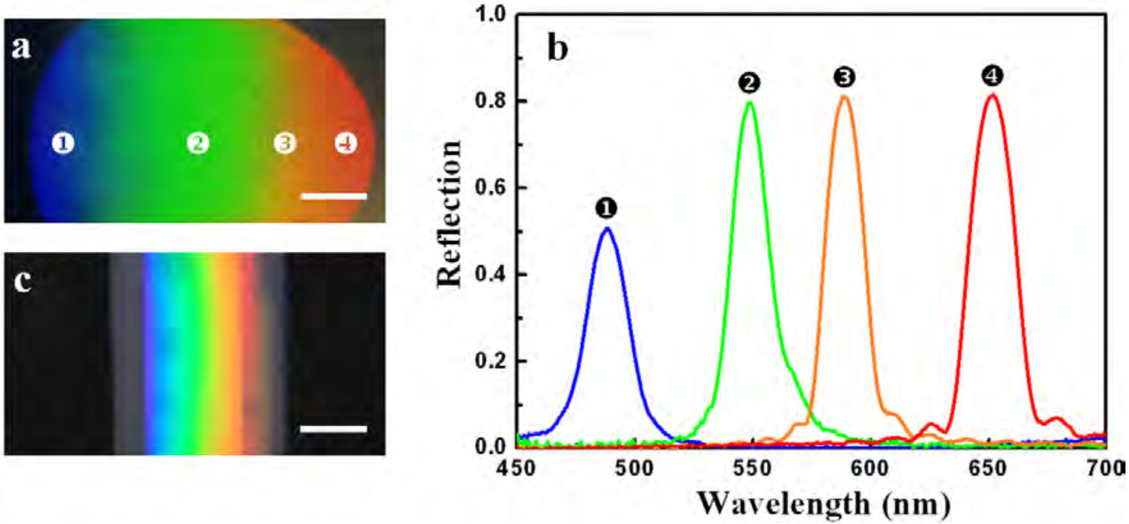

**Figure 5.** a) The reflection image of the graded holographic photopolymer grating under white light illumination; b) The reflection spectra measured at different positions indicated by circles in (a); c) A second example of a graded holographic photopolymer grating fabricated using a shorter focal length cylindrical lens. Scale bar: 5 mm.

*Subtask 1.3 Sensor design and evaluation using wound fluids.*

Oxygen responsive sensor platforms were fabricated by pin printing tris (4,7-diphenyl-1,10-phenanthroline) ruthenium(II) ($[Ru(dpp)_3]^{2+}$) doped sols onto reflective Bragg gratings. The polymeric reflective Bragg gratings were fabricated using holographic lithography method. In an epi-luminescence configuration, these Bragg gratings were designed to reflect selectively the $O_2$ responsive $[Ru(dpp)_3]^{2+}$ emission toward the detector to enhance the emission signal intensity. The results show that this hybrid sensor platform exhibits linear, statistically equivalent $O_2$ sensitivities and yields up to an eight fold increase in analytical signal in comparison to the original sensor platform consists only with pin printing tris(4,7-diphenyl-1,10 phenanthroline) ruthenium(II) ($[Ru(dpp)_3]^{2+}$) doped sols (Figure 6).

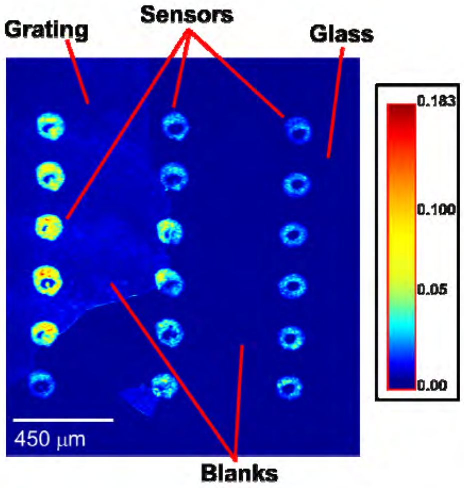

**Figure 6.** False-color image at 610 nm in the presence of 50% $N_2$; an $O_2$ responsive hybrid pin printed sol-gel sensor array comparing with an original pin printed sol-gel sensor array.

The PIXIES (protein imprinted xerogels with integrated emission site) platform was used to detect cytokines of both in vitro and in vivo wound fluids. Porcine wound fluids were analyzed for KGF, IL-1, IL-6, IL-12, TNFα TGF-beta, VEGF and EGF. Detection limits were $\leq$ 2 pg/ml and results were compared with ELISA.

Preliminary studies were undertaken to evaluate novel amino acid-modified hydrogel materials for wound healing. HaCaT keratinocyte cells were tested for ability to attach and proliferate on these materials and culture fluid was collected for growth factor/cytokine analysis using PIXIES.

Ultimately issues remain with implementation of PIXIES for wound sensing. The primary issue is the long timeline ahead of the technology. The PIXIES sensor technology must be integrated into another platform for use. Ultimately, it is not a common technology and has a long road to bedside use due to the early stages of the technology. Additionally, the wound bed presents an extremely challenging environment for any type of proteomic technology. Wound fluid is a complex mixture of proteins and protein fragments due to the aggressive proteolysis in the environment. PIXIES is a molecular imprinting technology and although it has been shown to work well with intact proteins, but protein fragments are likely abundant in wound fluid and it may prove difficult to keep the fragments necessary for fluorescence change to occur in a timely fashion. During the analysis of samples using iTRAQ technology as part of the planned workflow for the proteomic analysis, a new potential tool for analysis of the wound fluid in a cost effective, low sample usage technology came to light. Selected reaction monitoring mass spectrometry (SRM-MS) is a targeted proteomics technology used to identify and quantify proteins with high sensitivity, specificity and high reproducibility. SRM-MS is ideally matched to analysis of intact proteins and peptides. SRM-MS is a much more sensitive and reproducible method for quantifying lower abundance proteins in complicated biological samples. It is a targeted technique that differs from the mass spectrometry approaches widely used in discovery proteomics. Furthermore, SRM-MS is being developed for use in a wide variety of applications including the diagnosis of disease processes including different types of cancer (1-3). The technique identifies and quantifies the proteins present and it allows much greater flexibility for samples analyzed. Rather than requiring sample collection directly from the wound bed, wound exudate collected as part of treatment using negative pressure wound therapy (NPWT) could be analyzed. This common treatment is widely used in chronic, acute, and burn wounds. SRM-MS is a repeatable technique across laboratories and does not require development of new technology for the platform, thus allowing a faster track to development and bedside application.

SRM-MS findings are in section *Subtask 2.3* of this report.

## Technical Objective 2:

### *Subtask 2.1 Collect fluid from subjects with pressure ulcers*

Enrollment was below the target set even though no cost extensions allowed additional time for recruitment. Final enrollment was 15 men and 2 women with an average age of 63.2 years.

Wound surface area (WSA) measurements were completed for each subject and weekly time point using VeVMD software. The percent change in WSA from the original timepoint was calculated and plotted as the wound trajectory. A combined plot of all wounds is shown below (Figure 7).

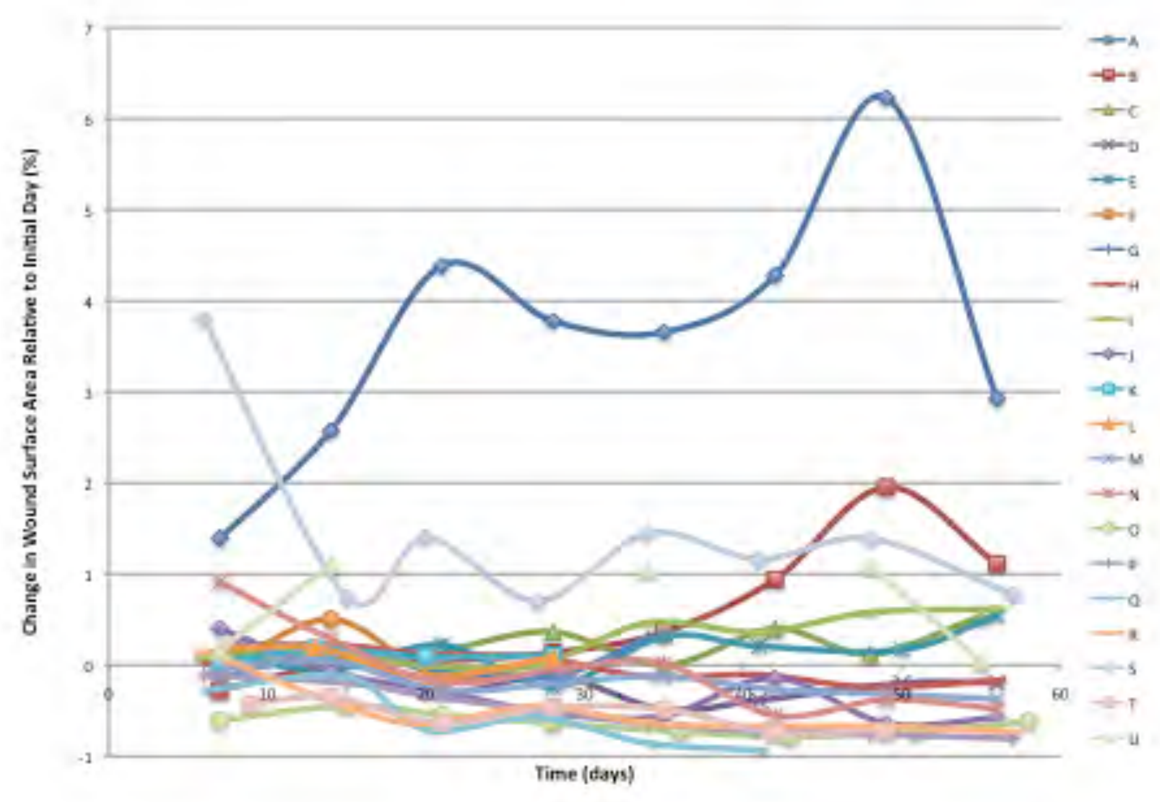

Figure 7. Wound trajectories, the change in wound surface area relative to the initial area, for chronic wounds observed for up to 8 continuous weeks.

This second plot of WSA (Figure 8) differs by the exclusion of 3 wounds (A,S, and U) that increased dramatically in area or were intermittently sampled and is shown to illustrate the trend in area changes for the remaining chronic wounds enrolled.

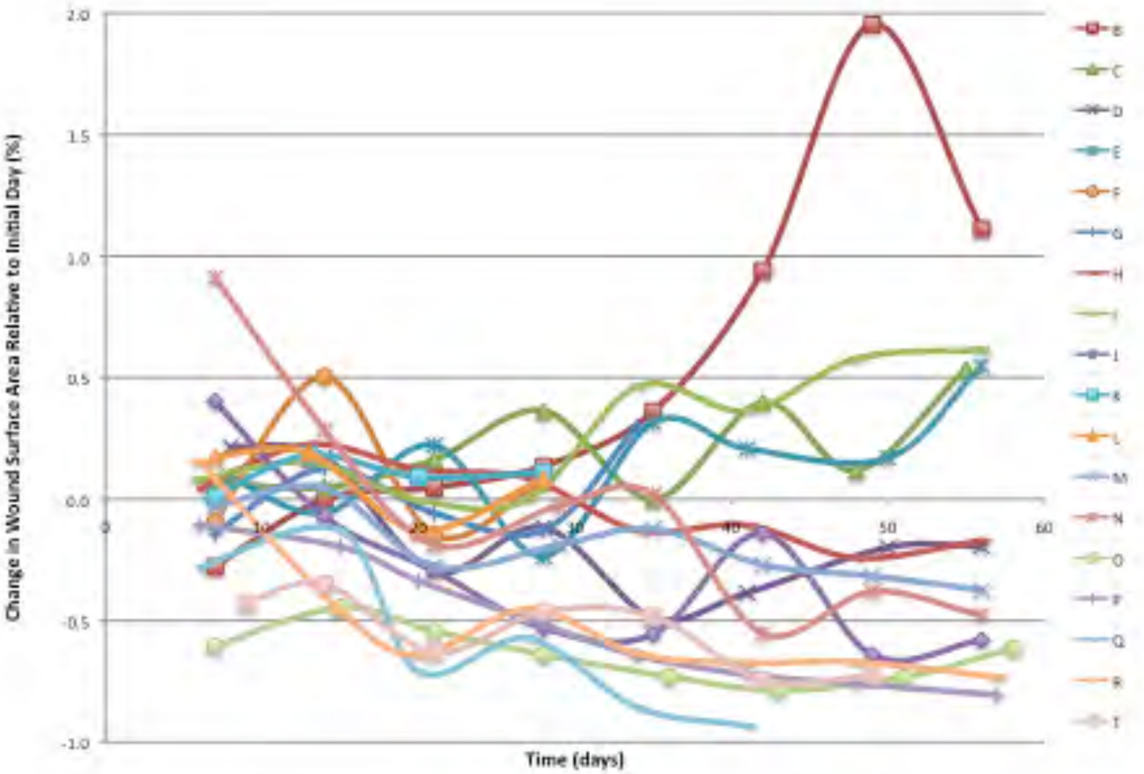

Figure 8. Wound trajectories with wounds with large-scale area changes (n=3) removed to illustrate fine scale differences for the remaining and majority of enrolled wounds.

Evaluation of wound fluids for markers of clinical outcomes is a rapidly expanding field, but the determination of outcome for subjects and sample timepoints is not generally agreed upon. Many studies rely on subjective clinical appearance when classifying wounds and samples (4). Previously, we determined that tissue type does not predict wound outcome for chronic wounds (5). Additionally, although wound healing trajectories can be indicative of healing (6), the overall trend of a wound does not accurately reflect the status of the wound at any single timepoint. Use of measurements comparing initial size to subsequent timepoints, healing trajectories, are generally accepted for tracking progress (tracking). There is no known rate of healing in chronic wounds.

Commonly, chronic wounds experience fluctuations in wound dimensions, both decreasing and increasing in size during the overall path to wound closure. Figure 9 shows 2 wounds sampled in this study. One wound is clearly healing throughout and the other is fluctuating, which makes the determination of status for the timepoints difficult to classify. If overall a wound heals, but during a period the wound worsens should that point be a healing or worsening sample?

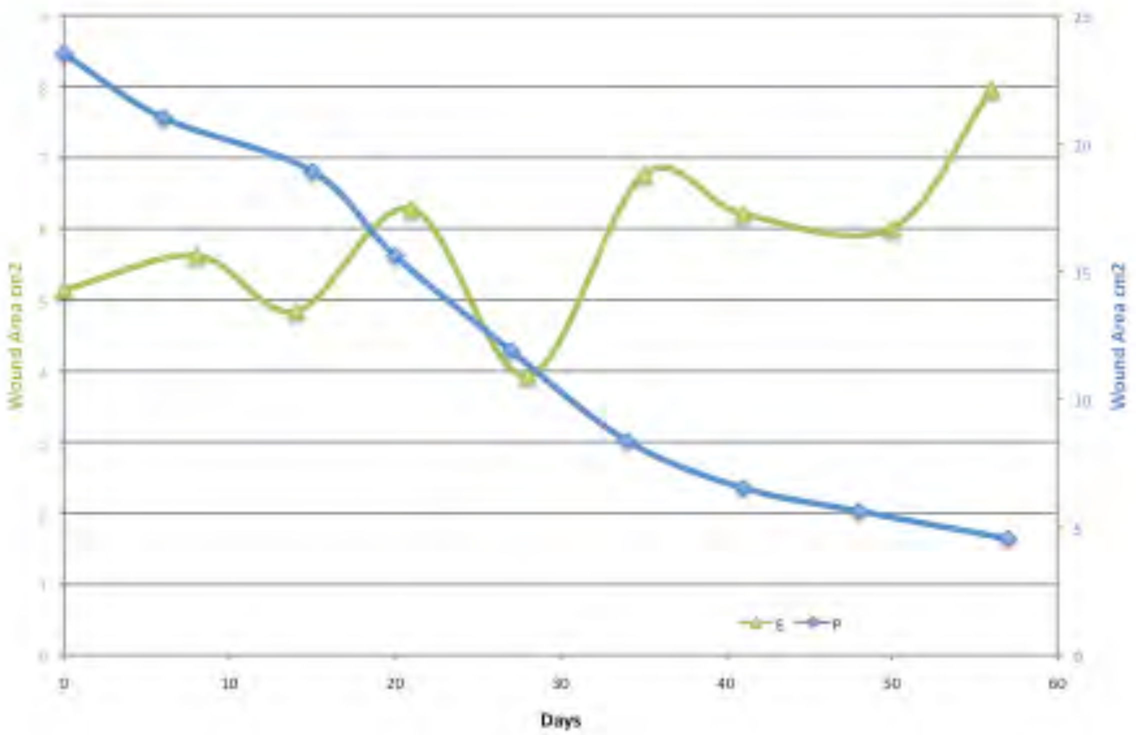

Figure 9. Trends in wound surface area changes for two wounds. Wound E has oscillating area changes, but after 8 weeks is larger than when initially measured. Wound P remains on a healing course throughout the 8 weeks of observation.

Clearly the wounds have varying surface area trends and amplitudes. Commonly, wound outcomes are determined by final percentage of healing, ignoring healing and declining phases throughout the study. When using wound fluid samples to evaluate potential biomarkers it is critical that the samples be sorted into healing and non-healing cohorts correctly. Without any standard in the literature, we sought to define a technique to classify a sampling timepoint based on a sliding 3 timepoint scale that uses the prior and following timepoint data to describe the trend for the wound during the middle timepoint. We divided the timepoints into categories for analysis and comparison using the area changes calculated on a weekly basis with the week prior as the standard to measure changes in WSA rather than the initial measurement. A sliding scale was used to identify wound timepoints that serve as representative samples for wounds that are decreasing in area or increasing in area. A 2 point sliding scale considers only area changes from the last timepoint, The 3 point sliding scale uses 3 consecutive area measurements and evaluates if the wound was following a constant trajectory of increased or decreased area. Three consecutive wound area data measurements must be consistently increasing or decreasing for the middle timepoint to be assigned to a cohort. The scale slides down the temporal scale considering each set of 3 data measurements in turn. The first and last samples are never considered for cohort inclusion since their immediate history and future are unknown. If the middle point decrease in size and the next point increases in size it is not possible to determine the status of the middle point. The 3rd point is being used to confirm the direction of the middle point and allow sorting of the samples. The middle timepoint is selected as a potential representative of closing or expanding wound healing processes.

Further refinement of the data requires a minimum change in WSA. A threshold is used to filter the wound timepoints based on a minimum change in wound area. Filtering in one direction, single threshold, requires the threshold to be true for only one direction from the middle timepoint. Filtering on the percent change in area before and after, dual threshhold, further refines the potential representatives. As the degree of change filter increases (more stringent), fewer wound timepoints are included as representative samples. A one-way or single threshold of 15% yields 10 or more samples in each category (Figures 10 and 11). 15% was chosen based on the pressure ulcer and chronic wound healing literature, which indicates 20-40% healing over a course of 2-4 weeks is indicative of healing (6).

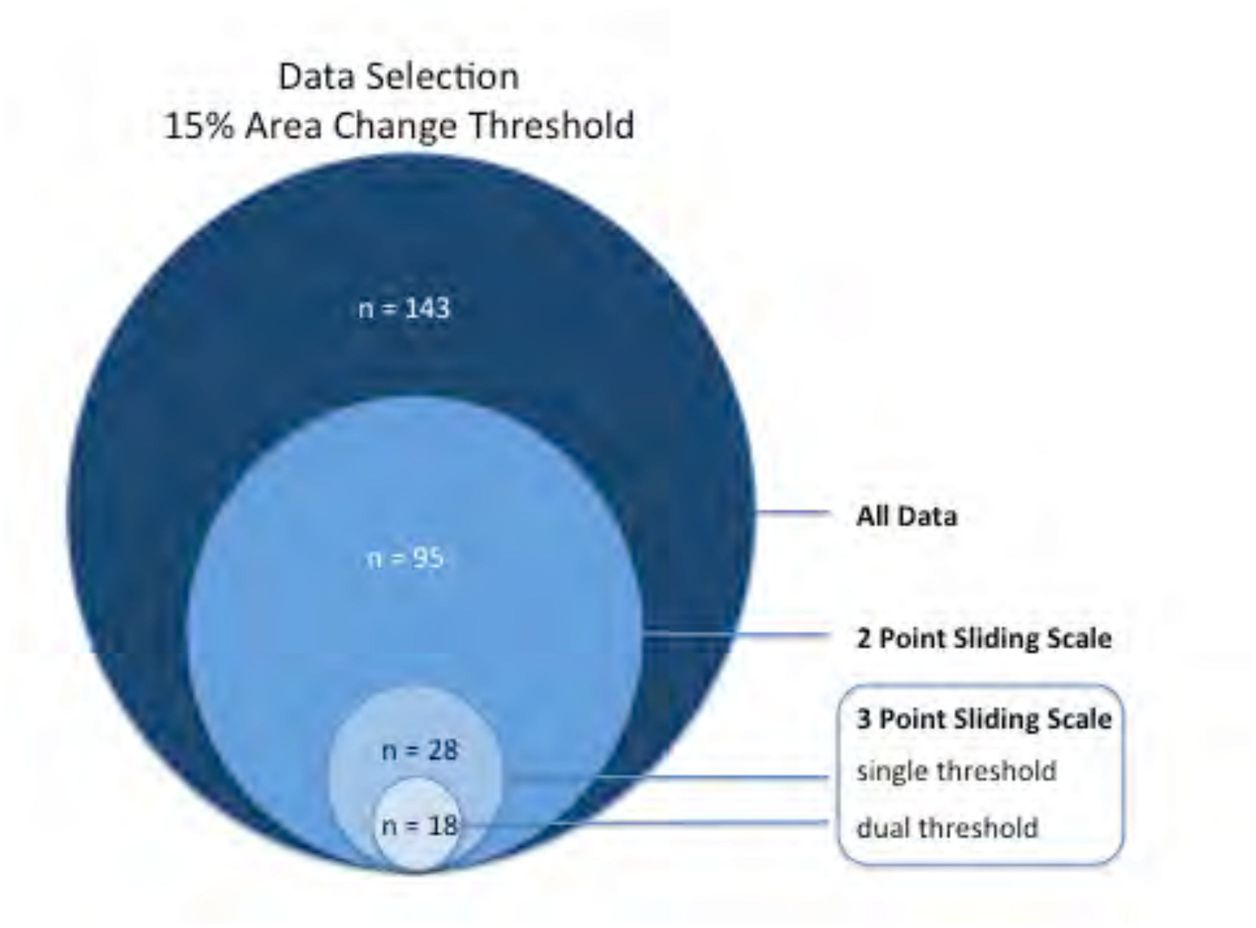

Figure 10. The sampling space for enrolled wounds begins with 143 timepoints. The application of a 2 point sliding scale and imposing a minimum 15% change in wound area relative to the previous measurement reduces the number of timepoints to 95. Further refining the data by applying a 3 point sliding scale where the trajectory must be unidirectional increases the confidence that the wound fluid proteins are representative of a healing or worsening wound. Applying a one-way threshold of 15% reduces the number of data points to 28. The highest confidence is achieved with a dual threshold, applied to both the previous and following area measurement but the data is reduced to 18 timepoints.

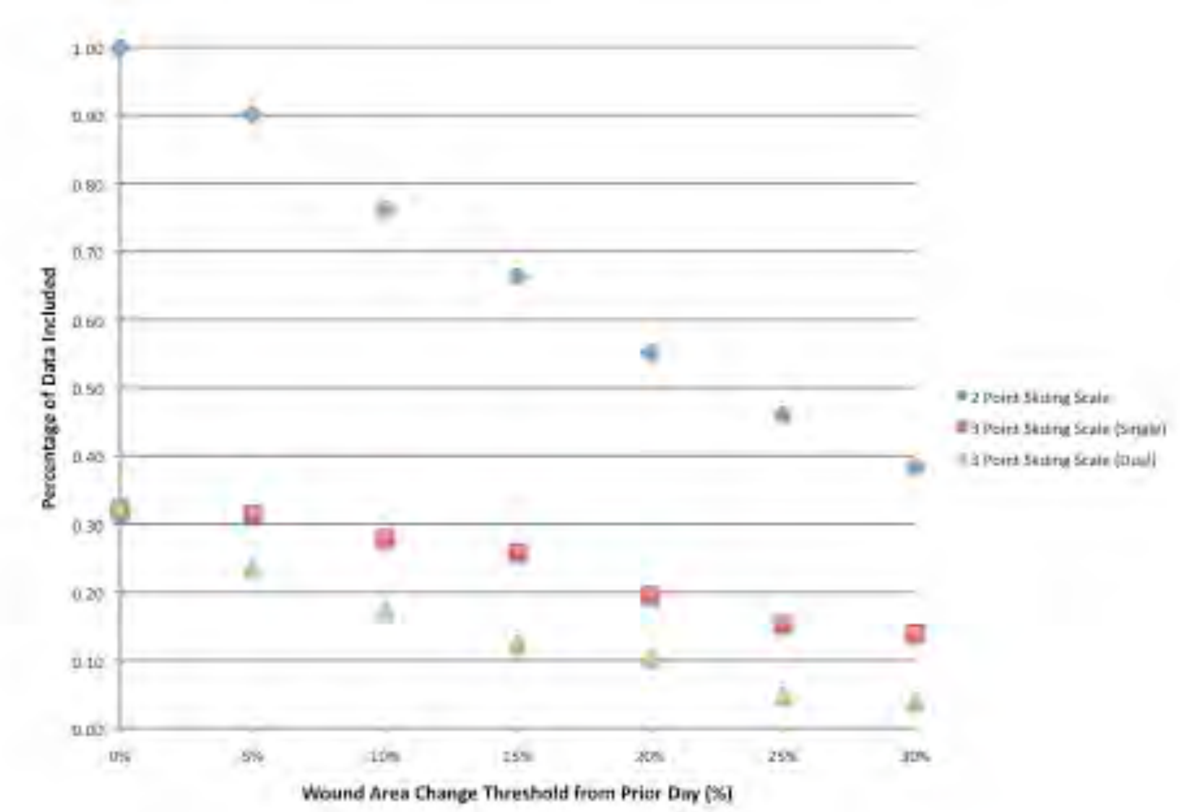

Figure 11. Effect of scale and threshold on data inclusion. As the inclusion criterion increases in stringency from a 2 point to a 3 point scale the amount of data used in each analysis is reduced. This relationship is true also for the threshold set for increasing levels of area change between measurements. With increased stringency comes greater confidence, but fewer data points.

A technology to evaluate the proteome for biomarkers of healing would not be particularly useful in wounds that are obviously healing, but for chronic wounds that are slow to respond to treatment, a biomarker would allow for identification of improving or worsening wounds. In order to identify and validate these biomarkers samples from wounds must include points throughout the wounds progress. The classification technique described is applicable to all wounds. All wound samples were evaluated using the above analysis and divided into bigger (worsening) or smaller (healing). Samples were then group accordingly for proteomic analysis (Figure 12).

Figure 12. Using wound area measurements, the samples were divided into healing or smaller and increasing or larger sample groups. The groups were built using a 2 point scale and 15% threshold, a 3 point scale with single 15% threshold and a 3 point scale with dual 15% threshold before proteomic analyses.

*Subtask 2.2 Collect samples from wounds in porcine model*

A partial-thickness dermatome-induced wounds were generated in a porcine model and wound healing parameters included wound fluid cytokine analysis.

*Subtask 2.3 Proteomic analysis of wound fluid*

Porcine wound fluid samples were analyzed using PIXES see section *Subtask 1.3*

Human wound fluid samples were analyzed in using both antibody dependent and antibody independent techniques. The workflow for the analysis is shown in Figure 13.

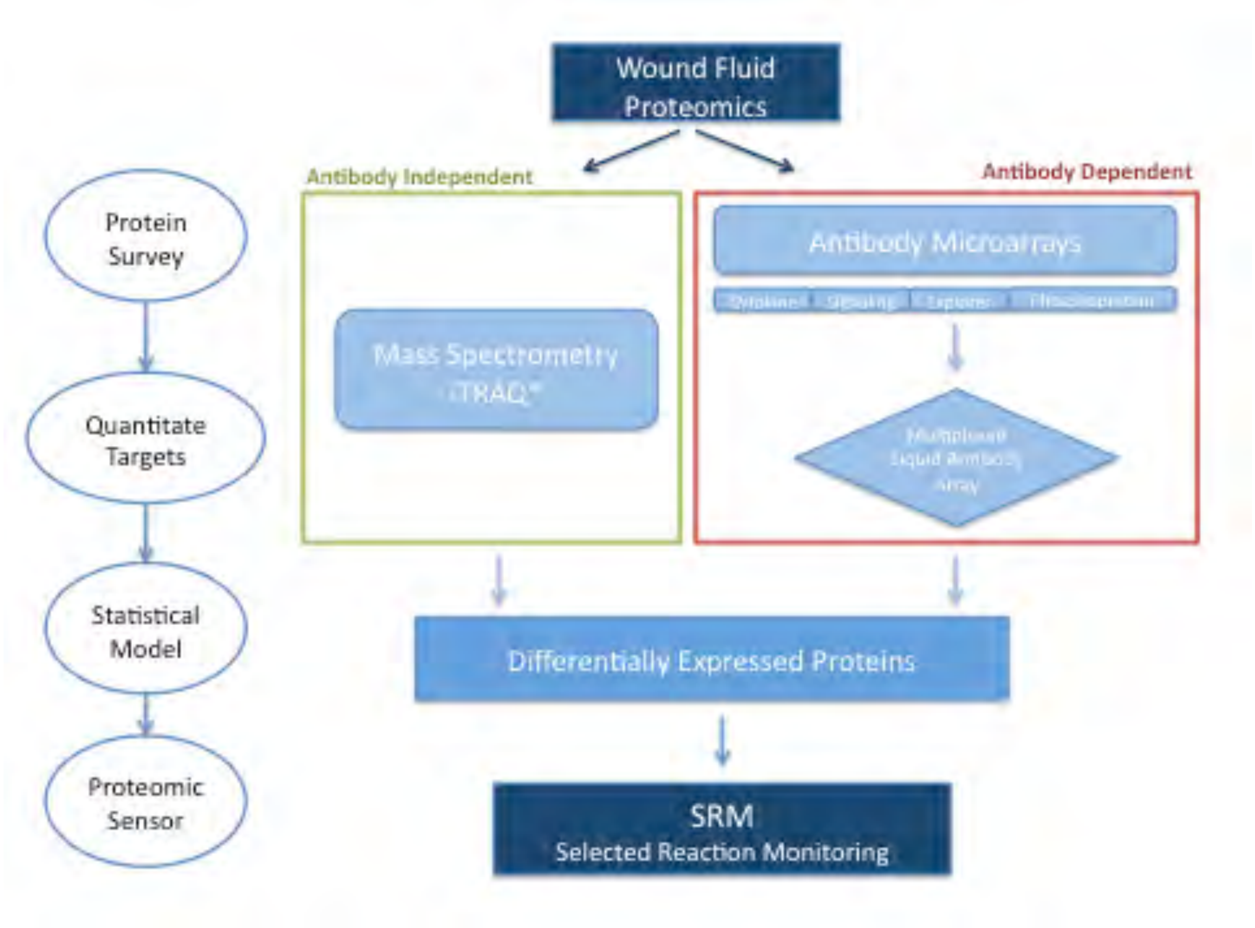

Figure 13. Pooled wound fluid samples were subjected to antibody independent and antibody dependent surveys to identify new potential biomarkers.

### *Antibody Independent*

### *iTRAQ Analysis*

Two sets of pooled samples, one representing wounds increasing in area and the other representing wounds decreasing in area were submitted for mass spectrometry using iTRAQ methodology. The iTRAQ experiments included a biological replicate as well as a technical replicate and data was normalized for direct comparison. Through iTRAQ labeling quantitative proteomics analysis, the expression levels of 2561 proteins were analyzed.

For the plots below, the technical replicates are defined as Experiment 1 and Experiment 2 and in each experiment, there were two ratios, a Larger/Smaller ratio (corresponding to 115/114 ratios in both datasets) and a biological repeat of Larger/Smaller ratio (corresponding to 117/116 ratios in both datasets). See Appendices A and B for data. The experimental matrix is represented in Figure 14.

| | Experiment 1 | | Experiment 2 | |
|---|---|---|---|---|
| Protein Accession | Larger /Smaller | Larger /Smaller (biological repeat) | Larger /Smaller | Larger /Smaller (biological repeat) |
| **126032350** | **0.949** | **1.093** | **0.967** | **1.169** |
| **…** | **…** | **…** | **…** | **…** |

Figure 14. Technical repeat data are shown with 4 relative ratios from 2 datasets corresponding to a unique protein ID.

Outliers were observed from comparisons of biological repeats in both technical replicate experiments and the data were manually inspected. Outliers were identified as not reproducible in biological replicates, which indicates the possibility of random bias for certain proteins with iTRAQ channel specificity. Raw spectrum data of the outliers were checked and their data qualities were confirmed. Median normalization was chosen to apply to raw data and normalize the reported ratios of the proteins comparing Larger Wound group to Smaller Wound group. Histograms were made to compare the data before and after normalization (Figures 15a and 15b).

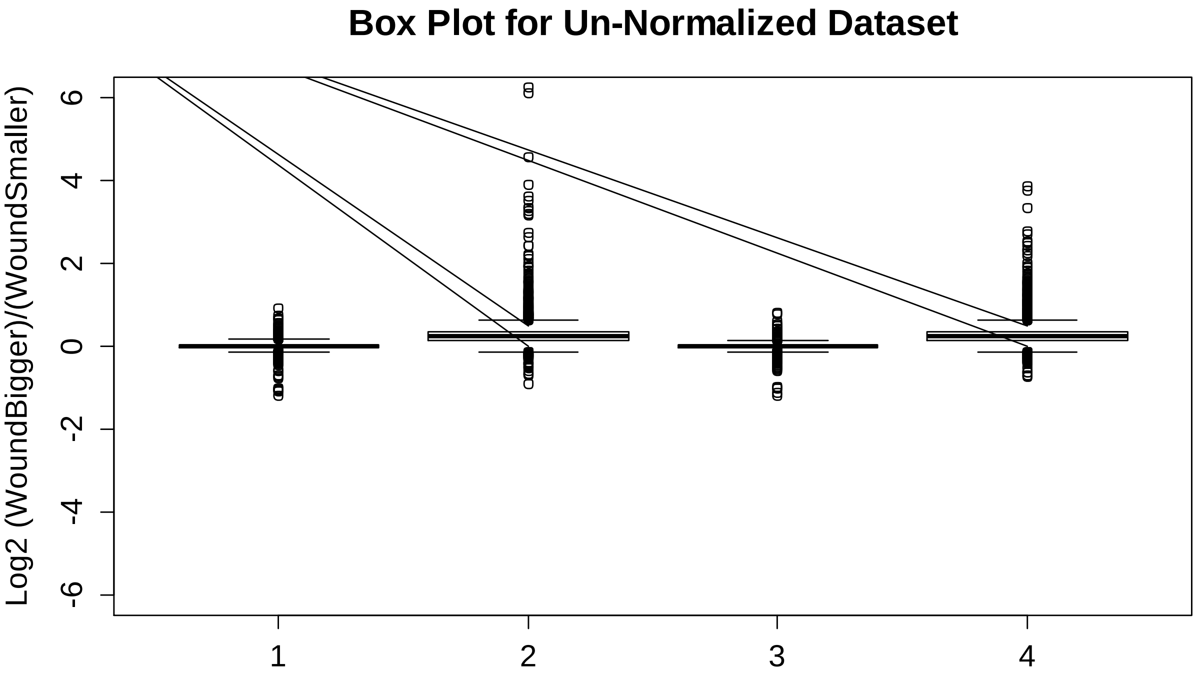

Figure 15a. Histogram of data prior to normalization.

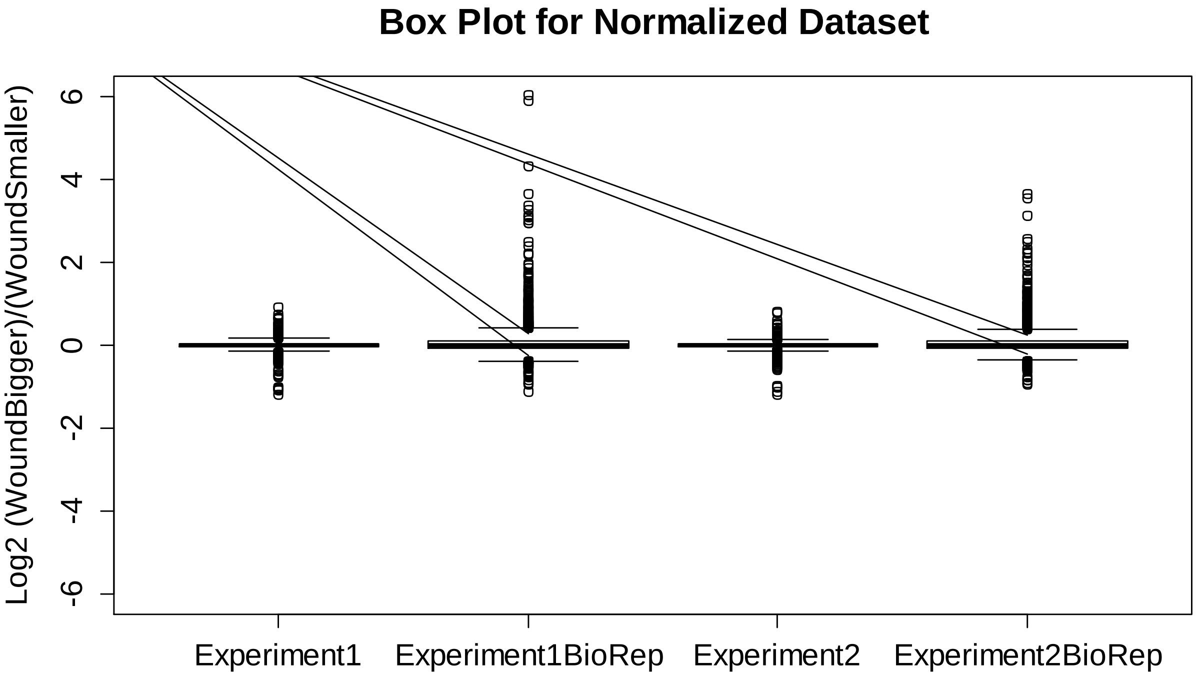

Figure 15b. Histogram of data after normalization.

From the different expression levels of 2561 proteins analyzed by iTRAQ, the top 20 proteins overexpressed in wound fluid from the wounds that are worsening are shown in Figure 16.

| GI | Protein Names | EXP 1 | EXP 1 BioRep | EXP 2 | EXP 2 BioRep |
|---|---|---|---|---|---|
| 14790190 | msx2-interacting protein [Homo sapiens] | NA | NA | 1.2659 | 2.5466 |
| 530373465 | PREDICTED: 26S proteasome non-ATPase regulatory subunit 6 isoform X1 [Homo sapiens] | 1.3928 | 2.5876 | NA | NA |
| 4557831 | pterin-4-alpha-carbinolamine dehydratase isoform 1 [Homo sapiens] | 1.1306 | 2.3861 | NA | NA |
| 578806381 | PREDICTED: kinesin-like protein KIF15 isoform X2 [Homo sapiens] | 1.5623 | 2.1505 | 1.7042 | 2.4234 |
| 578805065 | PREDICTED: protein TANC1 isoform X8 [Homo sapiens] | 1.2014 | 1.5009 | NA | NA |
| 556503347 | vacuolar protein sorting-associated protein VTA1 homolog isoform c [Homo sapiens] | 1.1944 | 1.4609 | 0.9064 | 1.0607 |
| 40354201 | 2'-deoxynucleoside 5'-phosphate N-hydrolase 1 isoform 2 [Homo sapiens] | 1.2841 | 1.4524 | NA | NA |
| 7657381 | pre-mRNA-processing factor 19 [Homo sapiens] | 1.1834 | 1.4294 | 1.0737 | 1.7417 |
| 578818239 | PREDICTED: CUGBP Elav-like family member 2 isoform X22 [Homo sapiens] | 1.5374 | 1.4107 | NA | NA |
| 578836106 | PREDICTED: retinoblastoma-like protein 1 isoform X1 [Homo sapiens] | 1.2901 | 1.3265 | NA | NA |
| 578811945 | PREDICTED: large proline-rich protein BAG6 isoform X12 [Homo sapiens] | 1.1216 | 1.2781 | NA | NA |
| 5453914 | phospholipid transfer protein isoform a precursor [Homo sapiens] | 1.1595 | 1.2381 | NA | NA |
| 530398960 | PREDICTED: dynamin-1-like protein isoform X2 [Homo sapiens] | 1.0499 | 1.2372 | 1.0030 | 1.1129 |
| 578827454 | PREDICTED: AP-3 complex subunit beta-2 isoform X2 [Homo sapiens] | 1.4237 | 1.2185 | NA | NA |
| 12056473 | sialic acid synthase [Homo sapiens] | 1.0249 | 1.1539 | NA | NA |
| 93204867 | probable G-protein coupled receptor 158 precursor [Homo sapiens] | 1.4516 | 1.1182 | 1.5050 | 1.3661 |
| 4557313 | angiogenin precursor [Homo sapiens] | 1.2682 | 1.1156 | NA | NA |

Figure 16. Top 20 proteins overexpressed in wound fluid from the wounds that are getting larger over the 8 week period.

### *Antibody Dependent*

### *Antibody Microarrays*

Antibody arrays are a high-throughput ELISA based platform for efficient protein expression profiling in chronic wound fluid. A large number of targets can be profiled using a small volume of sample leading to the identification of differentially expressed proteins. The wound fluid proteins are biotin labeled, incubated with the antibody array, and detected using dye or fluorescent-tagged streptavidin. Because the proteins remain non-denatured, false positives may result from protein-protein interactions and non-specific binding and follow-up validations are necessary. Pooled samples using a dual threshold of 15% and a 3 point sliding scale were used on the arrays.

Four antibody arrays were utilized to test for differentially expressed proteins from chronic wound fluid. The cytokine profiling array (Appendix C) features 310 unique antibodies for profiling cytokines and related biomarkers in human cells, tissues, serum or culture media. The explorer antibody array (Appendix D) is a broad-scope antibody array with 656 highly specific and well-characterized antibodies from more than ten signaling pathways. The signaling explorer array (Appendix E) features 1358 unique antibodies covering twenty biological signaling pathways and is ideal for high-throughput biomarker screening and discovery. Targets with a greater than 2 fold difference in expression are differentially given in Figure 17.

| Protein Target | Expression Ratio | Array |
|---|---|---|
| | | |
| Vacular Endothelial Growth Factor(VEGF) | 4.59 | E |
| Tubulin alpha | 4.41 | SE |
| Actin beta | 3.40 | E |
| Survivin | 2.78 | E |
| Beta actin | 2.62 | C |
| CD57 | 2.47 | E |
| CD2 | 2.33 | E |
| ADP-ribosylation Factor (ARF-6) | 2.28 | E |
| TGF beta Receptor III | 2.27 | C |
| HPV 16-E7 | 2.23 | E |
| FSH | 2.20 | E |
| Golgi Complex | 2.20 | E |
| Total PSA | 2.18 | C |
| BAD | 2.15 | SE |
| CD1 | 2.12 | E |

| | | |
|---|---|---|
| Laminin-s | 2.11 | E |
| Catenin-alpha1 | 2.02 | C |
| CEA | 2.01 | C |
| MHC I (HLA25 and HLA-Aw32) | 2.01 | E |
| Thymidylate Synthase | 2.00 | E |
| | | |
| p18INK4c | 0.50 | E |
| DFF40 (DNA Fragmentation Factor 40) / CAD | 0.50 | E |
| c-Src | 0.50 | E |
| PARP | 0.50 | E |
| Endostatin | 0.49 | E |
| Cullin-1 (CUL-1) | 0.49 | E |
| PARP (Poly ADP-Ribose Polymerase) | 0.49 | E |
| XRCC2 | 0.48 | E |
| MyD88 | 0.48 | E |
| Cdk3 | 0.44 | E |
| MMP-23 | 0.44 | E |
| Cullin-2 (CUL-2) | 0.42 | E |
| Stat-1 | 0.42 | E |
| CDC34 | 0.41 | E |
| BRCA2 (aa 1323-1346) | 0.35 | E |
| PTHrP | 0.10 | C |

* Cytokine (C), Explorer (E), Signaling Explorer (SE)

Figure 17. Targets with a greater than 2 fold difference in expression.

Finally, a phophoprotein array was used to look for differences in protein abundance, phosphorylation and protein-protein interactions. The array utilizes ~510 pan-specific antibodies for protein expression and ~340 phosphosite-specific antibodies for phosphorylation. The antibodies profile 287 different phosphosites, 189 protein kinases, 31 protein phosphatases and 142 regulatory subunits of these enzymes and other cell signaling proteins that regulate cell proliferation, stress and apoptosis. Two strategies were used to explore differences between healing and worsening wound fluid, evaluation of the 15% dual threshold pooled sample groups (Appendix F) and individual testing of 10 wounds in each category (Appendix G). Differentially expressed targets from the microarrays are pre-validated using western blots to confirm antibody specificity by including molecular weight of the target. In all, 11 pre-validation blots tested 238 antibodies for their sensitivity and specificity. The blot images and potential targets are given in (Appendix H). Forty-four known and 41 cross-reactive unknown targets were identified as potential biomarkers from the pre-validation western blots. Eighteen antibodies were probed using pooled samples to identify proteins with significant changes between sample groups (Figure 18).

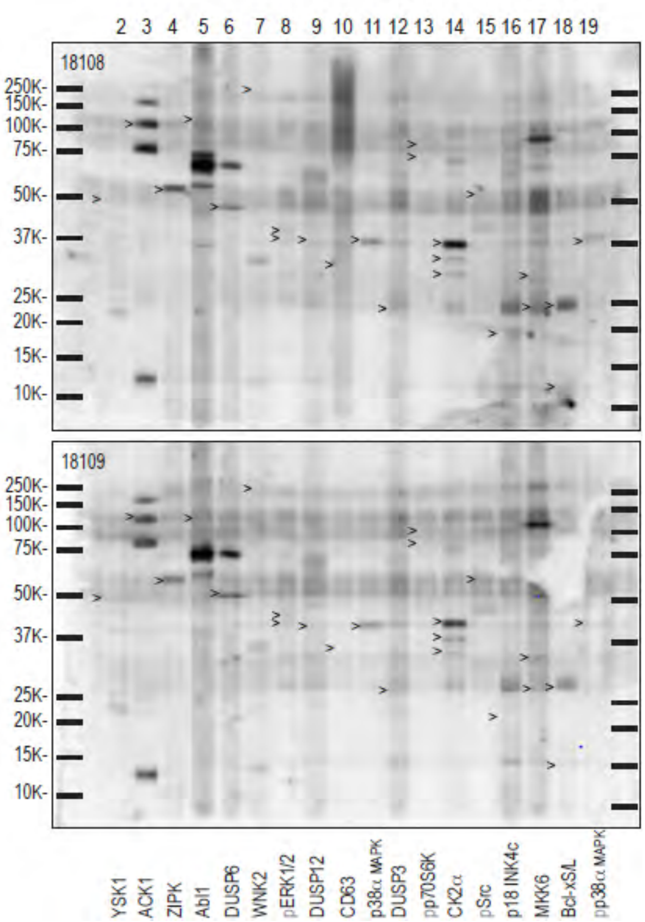

Figure 18. Eighteen antibodies probed using pooled samples to identify proteins with significant changes between sample groups.

Overlays of the gel images were used to highlight similarities and differences in the samples (Figure 19).

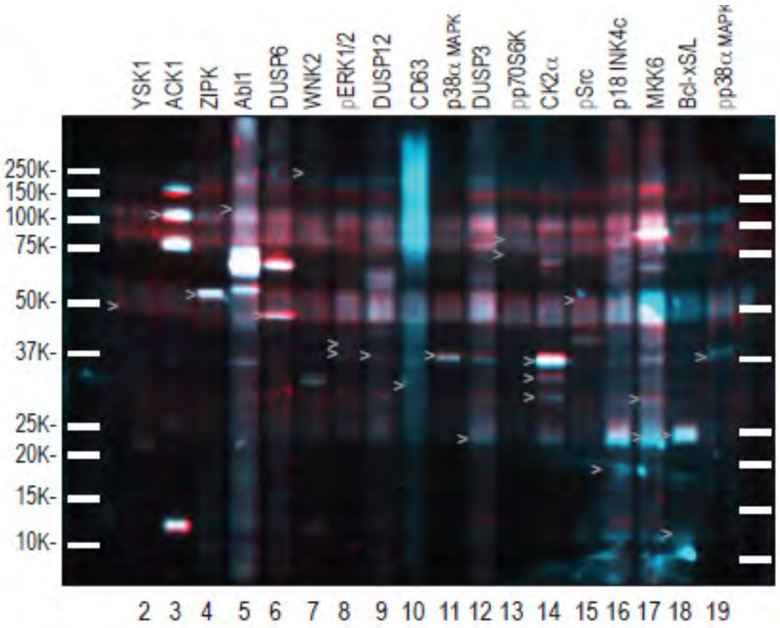

Figure 19. Overlay of the gel images, the blue color represents the pooled “worsening” samples and the red color the pooled “healing” samples. When the protein bands are of the same magnitute in both samples, then the protein bands show up as white.

Differences in expression for targets of the 18 antibodies are shown Figure 20. Eleven targets were measurable with 9 differentially expressed with a 25% minimum threshold.

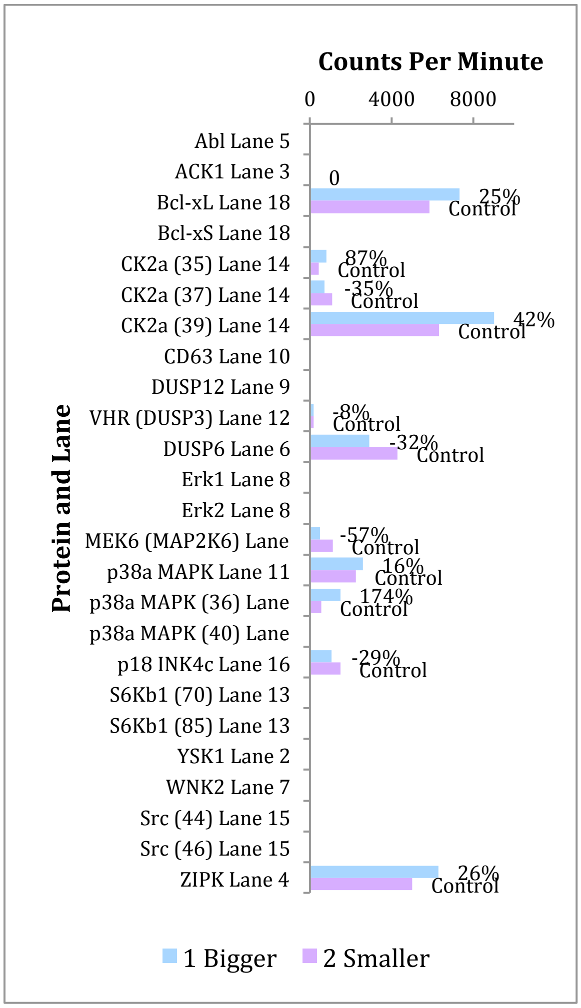

Figure 20. Differences in expression for targets of the 18 antibodies. Eleven targets were measurable with 9 differentially expressed with a 25% minimum threshold.

A microsphere-based suspension microarray was used to simultaneously measure the concentration of 7 analytes, C-X-C motif chemokine 9 (CXCL9), L-selectin (SELL), matrix metalloproteinase-9 (MMP9), protein S100-A8 (S100A8), protein S100-A9 (S100A9), Transforming growth factor beta receptor type 3 (TGFBR3), and retinol binding protein 4 (RBP4) in 96 wound fluid samples. The assay methodology is based upon the Luminex ® bead-based immunoassay platform. Samples were measured in duplicate and standardized using the wound fluid total protein concentration (Appendix I). The three cohorts of healing and worsening wounds were tests for differential expression and p values are given in Figure 21. Of the 6 targets, S100A8 and TGFBR3 were significantly different between healing and worsening wounds.

|  |  | p value |  |  |  |  |  |
|---|---|---|---|---|---|---|---|
| Scale | Threshold | CXCL9 | MMP9 | RBP4 | S100A8 | S100A9 | TGFBR3 |
|  |  |  |  |  |  |  |  |
| 2 point | 15% | 1.000 | 0.347 | 0.097 | 0.029 | 0.149 | 0.035 |
| 3 point | 15% Single | 0.785 | 0.379 | 0.205 | 0.644 | 0.750 | 0.575 |
| 3 point | 15% Dual | 0.525 | 0.351 | 0.226 | 0.022 | 0.062 | 0.093 |

Figure 21. Quantitative Microarray for 7 analytes, C-X-C motif chemokine 9 (CXCL9), L-selectin (SELL), matrix metalloproteinase-9 (MMP9), protein S100-A8 (S100A8), protein S100-A9 (S100A9), Transforming growth factor beta receptor type 3 (TGFBR3), and retinol binding protein 4 (RBP4).

### *SRM-MS Analysis*

Through iTRAQ labeling quantitative proteomics analysis, the different expression levels of 2561 proteins were evaluated and 6 proteins out of these were selected as SRM-MS protein targets. 14 proteins were further added into the SRM-MS quantification panel using data from previous research and the microarray results of this study. Four individual samples and 2 pooled samples were prepared and subject to SRM-MS analysis using algorithm based and/or iTRAQ data dependent SRM-MS methods. The pooled samples were taken from the highest confidence cohort, 15% dual threshold and 3 point sliding scale.  The potential clinical diagnostic utility of the panel was further evaluated.

The abundance of each of the 20 SRM-MS target proteins was represented by a single peptide mapped uniquely to the target protein (Appendix J). Each protein was independently quantified in 6 wound fluid samples, containing 2 samples from the larger or worsening group and 2 samples from the healing group in addition to the pooled samples derived from the 3 point sliding scale and dual 15% threshold. Relative expression levels and a p value for each protein target is shown in Figure 22. The abundance of a target protein is represented by the relative ratios normalized to abundance in the pooled sample.

|  | Larger Wounds |  |  | Smaller Wounds |  |  |  |
|---|---|---|---|---|---|---|---|
|  | A-14 | B-35 | 15% Dual Threshold Pooled | N-14 | O-28 | 15% Dual Threshold Pooled | p-value |
| ***Previous Research*** |  |  |  |  |  |  |  |
| Protein S100-A7 | 2.1374 | 1.9030 | 1.9051 | 0.6081 | 1.1605 | 1.0000 | 0.0115 |
| Protein S100-A9 | 2.6713 | 2.2497 | 2.1554 | 1.0347 | 1.5528 | 1.0000 | 0.0085 |
| Retinol binding protein 4 (RBP4) | 0.2684 | 0.3491 | 0.2202 | 0.9024 | 1.4188 | 1.0000 | 0.0292 |
| Matrix Metalloproteinase-9 (MMP9) | 7.8121 | 3.3984 | 5.9998 | 0.6842 | 1.6546 | 1.0000 | 0.0626 |
| Profilin-1 (PFN1) | 0.3224 | 0.4516 | 0.3517 | 0.6439 | 1.1512 | 1.0000 | 0.0578 |
| TGFBR3 | 3.8634 | 4.0737 | 3.0818 | 0.9321 | 1.8031 | 1.0000 | 0.0042 |
| L-selectin | 0.3167 | 0.2136 | 0.2701 | 0.5844 | 0.8289 | 1.0000 | 0.0401 |
| ***Microarrays*** |  |  |  |  |  |  |  |
| VEGF-A | 0.0652 | 0.1433 | 0.1512 | 0.4367 | 1.1530 | 1.0000 | 0.0740 |
| Beta actin (ACTB) | 0.1352 | 0.1965 | 0.0658 | 0.6448 | 0.7958 | 1.0000 | 0.0136 |
| ADP-ribosylation Factor (ARF-6) | 0.1927 | 0.1765 | 0.2414 | 1.1945 | 1.0360 | 1.0000 | 0.0023 |
| Cdk3 | 0.3652 | 0.2209 | 0.3525 | 0.9531 | 0.9833 | 1.0000 | 0.0026 |
| Cullin-2 (CUL-2) | 5.6360 | 6.6595 | 4.4842 | 0.8459 | 2.3464 | 1.0000 | 0.0073 |
| STAT1 | 6.0845 | 7.3875 | 6.2529 | 0.6372 | 1.0247 | 1.0000 | 0.0028 |
| CDC34 | 6.8297 | 7.5555 | 5.6390 | 0.7289 | 1.3683 | 1.0000 | 0.0054 |
| ***iTRAQ*** |  |  |  |  |  |  |  |
| kinesin-like protein KIF15 isoform X2 | 9.2240 | 11.9660 | 7.8970 | 1.0777 | 2.7340 | 1.0000 | 0.0102 |
| DCC-interacting protein 13-alpha | 2.2750 | 0.6348 | 2.7902 | 0.8614 | 1.9063 | 1.0000 | 0.4422 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | 7.8246 | 6.2612 | 5.1769 | 0.6427 | 1.2660 | 1.0000 | 0.0153 |
| CUGBP Elav-like family member 2 isoform X22 | 3.5516 | 4.9279 | 3.2949 | 0.5281 | 1.3657 | 1.0000 | 0.0149 |
| pre-mRNA-processing factor 19 | 4.1619 | 5.6161 | 3.2654 | 0.5665 | 2.2474 | 1.0000 | 0.0259 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | 4.2906 | 4.8014 | 3.9016 | 0.4900 | 2.1487 | 1.0000 | 0.0107 |

Figure 22. Selected reaction monitoring (SRM-MS) analysis of 20 proteins in chronic wound fluid from pressure ulcers.

## KEY RESEARCH ACCOMPLISHMENTS:

- Fabricated a new integrated sensor that included a xerogel as a selective sensing element
- Fabricated a porous polymetric PBG on large flexible substrates
- Methodology developed and refined during this project was employed in a project evaluating pressure ulcer fluid in people with and without SCI
    - Edsberg LE, Wyffels JT, Ogrin R, Craven C, Houghton P. A pilot study evaluating protein abundance in pressure ulcer fluid from people with and without spinal cord injury. J Spinal Cord Med. 2014 Jun 26. [Epub ahead of print] PMID: 24968005 [PubMed - as supplied by publisher]
- 3 Point sliding scale threshold sample classification system

## CONCLUSION:

The goal of this research was to evaluate the wound proteome and outcome and develop a technology to measure protein targets. The analysis of the proteome started with the development of a classification system for wound fluid samples. A technique to classify a sampling timepoint based on a sliding 3 timepoint scale that uses the prior and following timepoint data to describe the trend for the wound during the middle timepoint was developed. This technique offers the potential to standardize and objectively classify samples from a variety of wound types, rather than utilizing subjective clinical judgement. Classification of the samples is integral to the identification of targets.

The proteomic analysis utilized antibody dependent and independent techniques. Of the 6 targets analyzed using a quantitative microarray, S100A8 and TGFBR3 were significantly different between healing and worsening wounds. This finding further supports work by this team investigating the levels of S100 calcium binding proteins in chronic wounds.

PIXIES technology was fabricated, but ultimately it was decided that this novel technology has a longer timeline to clinical use due to the early stages of the technology. Additionally, the wound bed presents an extremely challenging environment for any type of proteomic technology due to the complex mixture of proteins and protein fragments. SRM-MS, cost effective, low sample usage technology, is well suited to analysis of intact proteins and peptides. Additionally, the technology has been shown to be suitable for a diagnostic tool in disease processes. The SRM-

MS data indicated several intriguing findings, but can be utilized in follow-up studies for panel marker confirmation. Validation of this technology is integral to the final development of a bedside collection sample being evaluated for markers of healing. The utilization of SRM-MS for wound fluid analysis is a significant development in the path to bedside wound outcome diagnosis. Ultimately this work may allow the development of personalized wound care based on the proteomic characteristics of the wound.

## PUBLICATIONS, ABSTRACTS, AND PRESENTATIONS

- “Bring Revised NPUAP Guidelines and Research to the Bedside”, 20th Annual Symposium to Promote Clinical Excellence, Saratoga Springs, NY, May 22, 2015
- “Proteomic Characterization of Pressure Ulcers”, Invited Lecture, World Union of Wound Healing Societies (WUWHS), 4th Congress, Yokohama, Japan, September 2012.
- Ka Yi Yung, Huina Xu, Ke Liu, Greggory J Martinez, Frank V. Bright, Michael R Detty, and Alexander N. Cartwright, “Hybrid Oxygen-responsive Reflective Bragg Grating Platforms”, Analytical Chemistry 2012; 84 (3):1402–1407.
- Liu, K., Xu, H., Hu, H., Gan, Q. and Cartwright, A. N. (2012), One-Step Fabrication of Graded Rainbow-Colored Holographic Photopolymer Reflection Gratings. Adv. Mater., 24:1604–1609. doi:10.1002/adma.201104628
- Huina Xu, Ke Liu, Qiaoqiang Gan, and Alexander N. Cartwright, “Flexible Porous Polymer Photonic Bandgap Structures for Chemical and Biomedical Sensing”, IEEE Photonics 2011 Conference, Oct. 2011, Arlington, Virginia.
- Ke Liu, Huina Xu, Qiaoqiang Gan, and Alexander N. Cartwright, “Polymeric Concave Bragg Reflectors Fabricated using Optical Lithography”, Materials Research Society, Nov. 2011, Boston, Massachusetts.
- “What Are the Effects of Load on Tissue?”, Scientific Basis of Wound Healing, Wound Principles & Assessment, Wound Management Track, Master’s Clinical Science (MCISc) Program, School of Physical Therapy, University of Western Ontario, London, Ontario, September 2011.
- Ke Liu, Huina Xu, Qiaoqiang Gan, and Alexander N. Cartwright, “One-step Holographic Lithography Fabrication of a Rainbow-colored Photonic Bandgap Structure”, IEEE Photonics 2011 Conference, Oct. 2011, Arlington, Virginia

- “Proteins and Pressure Ulcer Outcomes”, Chronic Wounds – Mechanisms and Diagnostics, 2nd Meeting of the Australian Wound and Tissue Repair Society, Perth, Western Australia, March 2010.

**INVENTIONS, PATENTS AND LICENSES:** Nothing to report

## REPORTABLE OUTCOMES:

- Utilization of selected reaction monitoring mass spectrometry (SRM-MS) for wound fluid samples

## OTHER ACHIEVEMENTS:

- Graduate Certificate in Bioinformatics & Computational Biology (May 2014) University of Delaware (not funded by award, but admission to program supported by need from funded grant for data analysis).

- Pilot studies (not funded by this award, but based on the work in this award) are being conducted to evaluate genomic methodology to identify genes involved with proteins present in healing and non-healing wounds. Sample type (fluid vs. tissue) is also being assessed.

- Novel Compounds From Shark and Stingray Epidermal Mucus With Antimicrobial Activity Against Wound Infection Pathogens. Department of Defense, U.S. Army Medical Research & Materiel Command (USAMRMC), Congressionally Directed Medical Research Programs. Basic Research Award W81XWH-11-2-0110. Non-traditional model antibody independent evaluation of mucus based on the methodology developed in this award.

- Integrated Proteomic Analysis and siRNA Therapy for Treatment of Heterotopic Ossification. Department of Defense, U.S. Army Medical Research & Materiel Command (USAMRMC), Congressionally Directed Medical Research Programs. Idea Development Award, W81XWH-10-2-0139. Wound fluid and tissue analysis based on the methodology developed in this award.

- A Randomized Controlled Pilot Study of Hyperbaric Oxygen Therapy versus Sham Controls in the Early Treatment of Deep Partial Thickness Burns. U.S. Army Medical Research and Materiel Command Broad Agency Announcement, 2014. Proteomics work flow and updated technology will be utilized for this project.

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## APPENDICES:

Appendix A. iTRAQ Set 1

Appendix B. iTRAQ Set 2

Appendix C. Cytokine

Appendix D. Explorer

Appendix E. Signaling

Appendix F. Pooled Microarray

Appendix G. Individual Microarray

Appendix H. Pre-screen Results

Appendix I. Quantitative Microarray

Appendix J. SRM-MS Transition Parameters

# Appendix A

# iTRAQ Set 1

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 109715837 | protein NDNF precursor [Homo sapiens] | 2.82 | 1 | 1 | 2 | 3 | 1.874 | 1 |  | 1.016 | 1 |  | 22.30 | 2.82 | 2 | 3 | 568 | 64.6 | 8.94 |
| 578807153 | PREDICTED: basic helix-loop-helix domain-containing protein KIAA2018 isoform X1 [Homo sapi | 3.17 | 3 | 1 | 7 | 18 | 1.681 | 1 |  | 1.180 | 1 |  | 28.33 | 3.17 | 10 | 18 | 2211 | 237.6 | 7.52 |
| 62632769 | DNA-3-methyladenine glycosylase isoform a [Homo sapiens] | 9.06 | 3 | 1 | 3 | 7 | 1.601 | 1 |  | 1.275 | 1 |  | 61.21 | 9.06 | 7 | 7 | 298 | 32.8 | 9.57 |
| **578806381** | **PREDICTED: kinesin-like protein KIF15 isoform X2 [Homo sapiens]** | **7.24** | **36** | **1** | **10** | **21** | **1.567** | **1** |  | **2.529** | **1** |  | **69.08** | **7.24** | **17** | **21** | **1285** | **147.9** | **6.89** |
| **578818239** | **PREDICTED: CUGBP Elav-like family member 2 isoform X22 [Homo sapiens]** | **13.65** | **17** | **1** | **3** | **11** | **1.542** | **1** |  | **1.659** | **1** |  | **145.25** | **13.65** | **7** | **11** | **403** | **42.4** | **8.85** |
| **93204867** | **probable G-protein coupled receptor 158 precursor [Homo sapiens]** | **4.69** | **1** | **1** | **6** | **35** | **1.456** | **4** | **1.8** | **1.315** | **4** | **3.3** | **66.33** | **4.69** | **8** | **35** | **1215** | **135.4** | **8.28** |
| **578827454** | **PREDICTED: AP-3 complex subunit beta-2 isoform X2 [Homo sapiens]** | **3.37** | **5** | **1** | **4** | **6** | **1.428** | **1** |  | **1.433** | **1** |  | **33.18** | **3.37** | **4** | **6** | **1038** | **114.4** | **5.72** |
| **530373465** | **PREDICTED: 26S proteasome non-ATPase regulatory subunit 6 isoform X1 [Homo sa** | **9.02** | **6** | **1** | **3** | **7** | **1.397** | **1** |  | **3.043** | **1** |  | **160.84** | **9.02** | **7** | **7** | **410** | **48.0** | **5.54** |
| 578824847 | PREDICTED: neurobeachin isoform X10 [Homo sapiens] | 1.67 | 10 | 1 | 7 | 21 | 1.396 | 3 | 49.1 | 0.995 | 3 | 5.6 | 41.54 | 1.67 | 10 | 21 | 2938 | 326.8 | 6.16 |
| 578828247 | PREDICTED: SUMO-conjugating enzyme UBC9 isoform X4 [Homo sapiens] | 30.38 | 2 | 2 | 3 | 7 | 1.376 | 2 | 51.6 | 1.095 | 1 |  | 158.46 | 30.38 | 7 | 7 | 158 | 18.0 | 8.66 |
| 555943926 | heme oxygenase 2 isoform c [Homo sapiens] | 6.62 | 3 | 1 | 1 | 2 | 1.348 | 1 |  | 1.024 | 1 |  | 43.84 | 6.62 | 2 | 2 | 287 | 32.8 | 5.91 |
| **578817959** | **PREDICTED: collagen alpha-1(XXVII) chain isoform X3 [Homo sapiens]** | **2.85** | **4** | **1** | **3** | **12** | **1.301** | **3** | **2.7** | **1.207** | **3** | **35.8** | **95.72** | **2.85** | **5** | **12** | **1087** | **107.8** | **7.85** |
| **578836106** | **PREDICTED: retinoblastoma-like protein 1 isoform X1 [Homo sapiens]** | **4.35** | **12** | **2** | **5** | **8** | **1.294** | **2** | **5.2** | **1.560** | **2** | **21.0** | **43.95** | **4.35** | **5** | **8** | **896** | **101.1** | **7.56** |
| **40354201** | **2'-deoxynucleoside 5'-phosphate N-hydrolase 1 isoform 2 [Homo sapiens]** | **22.30** | **2** | **1** | **1** | **3** | **1.288** | **1** |  | **1.708** | **1** |  | **196.54** | **22.30** | **3** | **3** | **148** | **16.2** | **6.79** |
| 149363656 | exocyst complex component 6B [Homo sapiens] | 4.44 | 2 | 1 | 4 | 9 | 1.274 | 1 |  | 1.040 | 1 |  | 30.99 | 4.44 | 4 | 9 | 811 | 94.1 | 6.46 |
| **4557313** | **angiogenin precursor [Homo sapiens]** | **19.73** | **1** | **1** | **2** | **3** | **1.272** | **1** |  | **1.312** | **1** |  | **50.70** | **19.73** | **3** | **3** | **147** | **16.5** | **9.64** |
| 48675813 | transportin-2 isoform 2 [Homo sapiens] | 2.48 | 2 | 1 | 3 | 44 | 1.254 | 1 |  | 1.059 | 1 |  | 33.30 | 2.48 | 3 | 44 | 887 | 100.3 | 4.98 |
| 554595586 | replication protein A 32 kDa subunit isoform 2 [Homo sapiens] | 17.82 | 3 | 1 | 2 | 4 | 1.250 | 1 |  | 1.188 | 1 |  | 145.96 | 17.82 | 4 | 4 | 174 | 19.1 | 5.73 |
| 50053795 | eukaryotic translation initiation factor 4B [Homo sapiens] | 9.49 | 2 | 2 | 4 | 13 | 1.249 | 3 | 8.3 | 1.047 | 1 |  | 395.67 | 9.49 | 10 | 13 | 611 | 69.1 | 5.73 |
| 625180307 | hemicentin-2 precursor [Homo sapiens] | 2.58 | 2 | 1 | 11 | 16 | 1.232 | 1 |  | 1.043 | 1 |  | 26.28 | 2.58 | 11 | 16 | 5079 | 543.7 | 5.87 |
| 14277685 | protocadherin gamma-C5 isoform 2 precursor [Homo sapiens] | 1.14 | 2 | 1 | 1 | 2 | 1.229 | 1 |  | 1.141 | 1 |  | 35.31 | 1.14 | 2 | 2 | 878 | 95.1 | 5.11 |
| 11559929 | coatomer subunit gamma-1 [Homo sapiens] | 3.78 | 1 | 1 | 2 | 4 | 1.209 | 1 |  | 1.135 | 1 |  | 285.60 | 3.78 | 4 | 4 | 874 | 97.7 | 5.47 |
| 578805065 | PREDICTED: protein TANC1 isoform X8 [Homo sapiens] | 6.20 | 8 | 1 | 9 | 320 | 1.205 | 1 |  | 1.765 | 1 |  | 4107.27 | 6.20 | 13 | 320 | 1677 | 183.3 | 8.85 |
| 4502491 | complement component 1 Q subcomponent-binding protein, mitochondrial precursor [Homo sa | 14.18 | 1 | 1 | 2 | 7 | 1.200 | 2 | 6.4 | 1.052 | 2 | 57.1 | 473.33 | 14.18 | 4 | 7 | 282 | 31.3 | 4.84 |
| 556503347 | vacuolar protein sorting-associated protein VTA1 homolog isoform c [Homo sapiens] | 10.81 | 3 | 1 | 1 | 3 | 1.198 | 1 |  | 1.718 | 1 |  | 109.96 | 10.81 | 3 | 3 | 222 | 24.5 | 5.29 |
| 6912280 | activator of 90 kDa heat shock protein ATPase homolog 1 [Homo sapiens] | 8.88 | 1 | 1 | 2 | 5 | 1.193 | 1 |  | 1.394 | 1 |  | 122.63 | 8.88 | 4 | 5 | 338 | 38.3 | 5.53 |
| 4557663 | immunoglobulin-binding protein 1 [Homo sapiens] | 6.49 | 1 | 1 | 1 | 25 | 1.193 | 2 | 12.6 | 1.187 | 2 | 24.4 | 379.65 | 6.49 | 3 | 25 | 339 | 39.2 | 5.38 |
| 40353729 | ras and Rab interactor 3 [Homo sapiens] | 8.43 | 1 | 1 | 7 | 10 | 1.189 | 1 |  | 1.313 | 1 |  | 286.23 | 8.43 | 9 | 10 | 985 | 107.8 | 6.61 |
| 7657381 | pre-mRNA-processing factor 19 [Homo sapiens] | 6.94 | 1 | 1 | 4 | 17 | 1.187 | 1 |  | 1.681 | 1 |  | 79.05 | 6.94 | 9 | 17 | 504 | 55.1 | 6.61 |
| 190341024 | SPARC-like protein 1 isoform 1 precursor [Homo sapiens] | 13.10 | 2 | 2 | 4 | 11 | 1.186 | 2 | 1.7 | 0.929 | 2 | 23.0 | 412.48 | 13.10 | 8 | 11 | 664 | 75.2 | 4.81 |
| 21361176 | retinal dehydrogenase 1 [Homo sapiens] | 3.39 | 10 | 2 | 2 | 5 | 1.186 | 2 | 28.1 | 1.025 | 2 | 7.5 | 143.73 | 3.39 | 5 | 5 | 501 | 54.8 | 6.73 |
| 4506715 | 40S ribosomal protein S28 [Homo sapiens] | 40.58 | 1 | 2 | 3 | 6 | 1.184 | 2 | 17.7 | 1.070 | 2 | 69.1 | 153.54 | 40.58 | 6 | 6 | 69 | 7.8 | 10.70 |
| 612407822 | carcinoembryonic antigen-related cell adhesion molecule 6 preproprotein [Homo sapiens] | 6.69 | 1 | 2 | 2 | 6 | 1.180 | 2 | 33.0 | 1.017 | 2 | 12.6 | 130.86 | 6.69 | 6 | 6 | 344 | 37.2 | 5.82 |
| 47458820 | signal transducer and activator of transcription 3 isoform 3 [Homo sapiens] | 16.90 | 6 | 2 | 11 | 27 | 1.180 | 3 | 1.5 | 1.330 | 3 | 14.3 | 362.34 | 16.90 | 16 | 27 | 722 | 83.1 | 7.12 |
| 47933379 | alpha-soluble NSF attachment protein [Homo sapiens] | 5.08 | 1 | 1 | 2 | 4 | 1.179 | 1 |  | 1.251 | 1 |  | 146.99 | 5.08 | 4 | 4 | 295 | 33.2 | 5.36 |
| 206597509 | arf-GAP domain and FG repeat-containing protein 1 isoform 4 [Homo sapiens] | 1.92 | 8 | 1 | 1 | 3 | 1.174 | 1 |  | 1.714 | 1 |  | 84.54 | 1.92 | 3 | 3 | 522 | 54.1 | 8.92 |
| 209180448 | target of Myb protein 1 isoform 3 [Homo sapiens] | 18.70 | 3 | 1 | 5 | 15 | 1.173 | 1 |  | **2.013** | 1 |  | 155.75 | 18.70 | 12 | 15 | 460 | 50.2 | 4.78 |
| 385731627 | UPF0687 protein C20orf27 isoform 2 [Homo sapiens] | 19.54 | 2 | 2 | 3 | 7 | 1.171 | 2 | 6.1 | 1.217 | 2 | 17.7 | 263.66 | 19.54 | 7 | 7 | 174 | 19.3 | 6.84 |
| 5453914 | phospholipid transfer protein isoform a precursor [Homo sapiens] | 4.06 | 4 | 2 | 2 | 22 | 1.163 | 3 | 1.3 | 1.456 | 2 | 20.6 | 257.35 | 4.06 | 5 | 22 | 493 | 54.7 | 7.01 |
| 16933567 | ras-related protein Rab-8A [Homo sapiens] | 27.54 | 21 | 1 | 6 | 72 | 1.163 | 1 |  | 1.028 | 1 |  | 1235.51 | 27.54 | 17 | 72 | 207 | 23.7 | 9.07 |
| 71773329 | annexin A6 isoform 1 [Homo sapiens] | 74.74 | 2 | 1 | 46 | 438 | 1.163 | 3 | 10.4 | 1.286 | 3 | 15.2 | 14776.62 | 74.74 | 133 | 438 | 673 | 75.8 | 5.60 |
| 116734849 | glycogen debranching enzyme isoform 2 [Homo sapiens] | 3.83 | 3 | 2 | 6 | 17 | 1.163 | 3 | 6.5 | 1.134 | 3 | 2.7 | 344.63 | 3.83 | 11 | 17 | 1515 | 172.5 | 6.71 |
| 530362188 | PREDICTED: microtubule-associated serine/threonine-protein kinase 2 isoform X3 [Homo sapie | 4.51 | 10 | 1 | 8 | 42 | 1.162 | 2 | 1.6 |  |  |  | 85.93 | 4.51 | 17 | 42 | 1797 | 196.2 | 8.16 |
| 578811543 | PREDICTED: disheveled-associated activator of morphogenesis 2 isoform X2 [Homo sapiens] | 3.17 | 8 | 1 | 4 | 8 | 1.158 | 1 |  | 1.365 | 1 |  | 30.38 | 3.17 | 7 | 8 | 1167 | 134.2 | 6.73 |
| 388240770 | reticulon-3 isoform f [Homo sapiens] | 1.74 | 5 | 1 | 2 | 8 | 1.154 | 2 | 12.8 | 1.059 | 2 | 37.2 | 221.29 | 1.74 | 4 | 8 | 920 | 100.8 | 4.93 |
| 46389554 | alpha-endosulfine isoform 4 [Homo sapiens] | 31.62 | 8 | 2 | 2 | 9 | 1.153 | 3 | 0.1 | 1.053 | 3 | 7.4 | 503.07 | 31.62 | 6 | 9 | 117 | 13.0 | 8.27 |
| 578823793 | PREDICTED: nucleosome assembly protein 1-like 1 isoform X18 [Homo sapiens] | 11.89 | 6 | 2 | 3 | 8 | 1.153 | 2 | 21.6 | 1.293 | 2 | 28.1 | 194.77 | 11.89 | 8 | 8 | 328 | 38.2 | 4.56 |
| 17986001 | major histocompatibility complex, class I, B precursor [Homo sapiens] | 13.54 | 12 | 2 | 3 | 10 | 1.151 | 3 | 13.9 | 1.131 | 3 | 5.9 | 307.53 | 13.54 | 7 | 10 | 362 | 40.4 | 5.85 |
| 4507797 | ubiquitin-conjugating enzyme E2 variant 2 [Homo sapiens] | 42.07 | 6 | 1 | 7 | 39 | 1.150 | 1 |  | 1.144 | 1 |  | 674.87 | 42.07 | 21 | 39 | 145 | 16.4 | 8.09 |
| 530411696 | PREDICTED: probable ATP-dependent RNA helicase DDX5 isoform X1 [Homo sapiens] | 14.66 | 4 | 1 | 10 | 24 | 1.149 | 1 |  | 1.027 | 1 |  | 505.74 | 14.66 | 24 | 24 | 614 | 69.1 | 8.92 |
| 156564401 | vesicle-fusing ATPase [Homo sapiens] | 3.49 | 2 | 1 | 2 | 4 | 1.147 | 1 |  | 1.059 | 1 |  | 113.19 | 3.49 | 4 | 4 | 744 | 82.5 | 6.95 |
| 5729850 | guanine nucleotide-binding protein G(k) subunit alpha [Homo sapiens] | 21.19 | 14 | 1 | 7 | 21 | 1.146 | 1 |  | 1.383 | 1 |  | 688.56 | 21.19 | 17 | 21 | 354 | 40.5 | 5.69 |
| 91208426 | pre-mRNA-processing-splicing factor 8 [Homo sapiens] | 5.05 | 1 | 2 | 11 | 26 | 1.142 | 2 | 0.2 | 1.306 | 2 | 38.2 | 298.99 | 5.05 | 18 | 26 | 2335 | 273.4 | 8.84 |
| 530382450 | PREDICTED: dystonin isoform X17 [Homo sapiens] | 8.07 | 5 | 1 | 30 | 81 | 1.140 | 1 |  | 1.023 | 1 |  | 69.02 | 8.07 | 45 | 81 | 3186 | 368.9 | 6.76 |
| 578838069 | PREDICTED: protein-cysteine N-palmitoyltransferase porcupine isoform X10 [Homo sapiens] | 4.33 | 14 | 1 | 2 | 17 | 1.139 | 1 |  | 1.116 | 1 |  | 86.12 | 4.33 | 6 | 17 | 323 | 36.3 | 7.99 |
| 578833709 | PREDICTED: AP-3 complex subunit delta-1 isoform X1 [Homo sapiens] | 3.82 | 3 | 2 | 4 | 7 | 1.136 | 2 | 10.9 | 1.276 | 2 | 9.1 | 160.70 | 3.82 | 7 | 7 | 1203 | 135.3 | 7.64 |
| 4885153 | crk-like protein [Homo sapiens] | 12.87 | 1 | 2 | 3 | 23 | 1.135 | 2 | 17.8 | 1.362 | 2 | 3.6 | 232.95 | 12.87 | 8 | 23 | 303 | 33.8 | 6.74 |
| 578833911 | PREDICTED: tubulin-folding cofactor B isoform X1 [Homo sapiens] | 12.95 | 2 | 1 | 2 | 6 | 1.134 | 1 |  | 1.210 | 1 |  | 249.49 | 12.95 | 4 | 6 | 193 | 21.8 | 4.94 |
| 4557831 | pterin-4-alpha-carbinolamine dehydratase isoform 1 [Homo sapiens] | 20.19 | 2 | 1 | 2 | 6 | 1.134 | 1 |  | **2.806** | 1 |  | 89.69 | 20.19 | 4 | 6 | 104 | 12.0 | 6.80 |
| 223633991 | pantetheinase precursor [Homo sapiens] | 10.72 | 1 | 1 | 3 | 5 | 1.134 | 1 |  | **2.439** | 1 |  | 223.37 | 10.72 | 5 | 5 | 513 | 57.0 | 5.55 |
| 69122931 | TAF5-like RNA polymerase II p300/CBP-associated factor-associated factor 65 kDa subunit 5L is | 11.38 | 3 | 1 | 3 | 48 | 1.132 | 1 |  | 1.329 | 1 |  | 85.76 | 11.38 | 5 | 48 | 325 | 37.0 | 6.18 |
| 239735600 | tctex1 domain-containing protein 1 [Homo sapiens] | 4.47 | 1 | 1 | 1 | 3 | 1.132 | 1 |  | 1.416 | 1 |  | 26.10 | 4.47 | 1 | 3 | 179 | 20.7 | 8.95 |
| 115495445 | ankyrin repeat domain-containing protein 30A [Homo sapiens] | 7.61 | 2 | 1 | 10 | 41 | 1.129 | 7 | 3.2 | 1.288 | 7 | 24.8 | 137.24 | 7.61 | 13 | 41 | 1341 | 152.6 | 6.33 |
| 539848098 | biogenesis of lysosome-related organelles complex 1 subunit 2 isoform 3 [Homo sapiens] | 28.42 | 4 | 1 | 1 | 2 | 1.128 | 1 |  | 1.006 | 1 |  | 103.60 | 28.42 | 2 | 2 | 95 | 11.1 | 9.23 |
| 578804706 | PREDICTED: putative GTP cyclohydrolase 1 type 2 NIF3L1 isoform X2 [Homo sapiens] | 5.61 | 5 | 1 | 2 | 9 | 1.127 | 1 |  | 1.189 | 1 |  | 173.23 | 5.61 | 5 | 9 | 285 | 32.1 | 8.68 |
| 530384981 | PREDICTED: aminoacyl tRNA synthase complex-interacting multifunctional protein 2 isoform X1 | 9.58 | 5 | 1 | 3 | 8 | 1.126 | 1 |  | 1.269 | 1 |  | 131.20 | 9.58 | 5 | 8 | 313 | 34.6 | 8.02 |
| 414144872 | coatomer subunit zeta-1 isoform 3 [Homo sapiens] | 6.25 | 3 | 1 | 1 | 2 | 1.126 | 1 |  | 0.987 | 1 |  | 42.33 | 6.25 | 2 | 2 | 160 | 18.4 | 4.91 |
| 578811945 | PREDICTED: large proline-rich protein BAG6 isoform X12 [Homo sapiens] | 6.55 | 22 | 1 | 4 | 10 | 1.125 | 1 |  | 1.503 | 1 |  | 300.47 | 6.55 | 6 | 10 | 1114 | 117.5 | 6.00 |
| 4506121 | vitamin K-dependent protein Z isoform 2 precursor [Homo sapiens] | 10.00 | 2 | 1 | 2 | 7 | 1.125 | 1 |  | 1.187 | 1 |  | 62.22 | 10.00 | 4 | 7 | 400 | 44.7 | 5.97 |
| 578808297 | PREDICTED: protein FAM193A isoform X1 [Homo sapiens] | 3.30 | 6 | 1 | 6 | 16 | 1.124 | 1 |  | 1.269 | 1 |  | 49.07 | 3.30 | 10 | 16 | 1424 | 158.3 | 6.35 |
| 4501893 | alpha-actinin-2 isoform 1 [Homo sapiens] | 24.27 | 39 | 2 | 24 | 268 | 1.124 | 2 | 5.0 | 1.092 | 1 |  | 8350.41 | 24.27 | 69 | 268 | 894 | 103.8 | 5.45 |
| 52627151 | olfactory receptor 2AE1 [Homo sapiens] | 4.95 | 1 | 1 | 2 | 6 | 1.121 | 1 |  |  |  |  | 37.57 | 4.95 | 4 | 6 | 323 | 36.6 | 9.06 |
| 45545435 | COMM domain-containing protein 2 [Homo sapiens] | 23.62 | 1 | 2 | 4 | 15 | 1.121 | 2 | 26.7 | 1.407 | 2 | 363.5 | 150.16 | 23.62 | 9 | 15 | 199 | 22.7 | 6.73 |
| 578817221 | PREDICTED: FK506-binding protein 15 isoform X2 [Homo sapiens] | 5.65 | 3 | 1 | 7 | 48 | 1.121 | 1 |  | 0.907 | 1 |  | 214.51 | 5.65 | 14 | 48 | 1151 | 126.7 | 5.20 |
| 17158044 | 40S ribosomal protein S6 [Homo sapiens] | 16.47 | 1 | 1 | 5 | 21 | 1.120 | 1 |  | 1.048 | 1 |  | 121.83 | 16.47 | 9 | 21 | 249 | 28.7 | 10.84 |
| 530361586 | PREDICTED: peptidyl-prolyl cis-trans isomerase H isoform X5 [Homo sapiens] | 10.27 | 14 | 1 | 2 | 8 | 1.120 | 1 |  | 1.874 | 1 |  | 110.02 | 10.27 | 6 | 8 | 146 | 16.0 | 8.07 |
| 530366678 | PREDICTED: unhealthy ribosome biogenesis protein 2 homolog isoform X1 [Homo sapiens] | 2.82 | 2 | 1 | 5 | 13 | 1.119 | 1 |  | 0.914 | 1 |  | 37.28 | 2.82 | 7 | 13 | 1487 | 166.5 | 7.20 |
| 5031767 | heat shock factor protein 1 [Homo sapiens] | 4.73 | 1 | 1 | 2 | 4 | 1.116 | 2 | 7.4 | 1.003 | 2 | 0.7 | 33.22 | 4.73 | 2 | 4 | 529 | 57.2 | 5.19 |
| 25777612 | 26S proteasome non-ATPase regulatory subunit 3 [Homo sapiens] | 16.67 | 1 | 3 | 8 | 15 | 1.115 | 3 | 11.9 | 1.236 | 3 | 0.1 | 395.86 | 16.67 | 14 | 15 | 534 | 60.9 | 8.44 |
| 389565487 | programmed cell death protein 6 isoform 4 [Homo sapiens] | 9.09 | 4 | 1 | 1 | 3 | 1.114 | 1 |  | 1.005 | 1 |  | 77.96 | 9.09 | 3 | 3 | 121 | 14.4 | 5.29 |
| 150417973 | supervillin isoform 2 [Homo sapiens] | 5.06 | 14 | 2 | 12 | 88 | 1.113 | 2 | 23.1 | 1.087 | 2 | 15.3 | 215.40 | 5.06 | 21 | 88 | 2214 | 247.6 | 6.98 |
| 65787364 | coronin-1B [Homo sapiens] | 8.18 | 1 | 1 | 6 | 27 | 1.113 | 1 |  | 1.069 | 1 |  | 229.84 | 8.18 | 14 | 27 | 489 | 54.2 | 5.88 |
| 190341099 | V-set and transmembrane domain-containing protein 4 isoform 1 precursor [Homo sapiens] | 15.00 | 3 | 1 | 4 | 5 | 1.113 | 1 |  |  |  |  | 34.66 | 15.00 | 4 | 5 | 320 | 36.1 | 9.86 |
| 73622130 | BolA-like protein 2 [Homo sapiens] | 16.45 | 1 | 1 | 2 | 9 | 1.112 | 1 |  | 1.547 | 1 |  | 159.88 | 16.45 | 6 | 9 | 152 | 16.9 | 8.19 |
| 530376803 | PREDICTED: exocyst complex component 1 isoform X4 [Homo sapiens] | 8.65 | 4 | 1 | 8 | 39 | 1.112 | 1 |  | 1.136 | 1 |  | 219.73 | 8.65 | 17 | 39 | 879 | 100.2 | 6.60 |
| 6715607 | hemoglobin subunit gamma-2 [Homo sapiens] | 84.35 | 1 | 1 | 11 | 276 | 1.112 | 1 |  | 1.056 | 1 |  | 5785.98 | 84.35 | 32 | 276 | 147 | 16.1 | 7.20 |
| 530367946 | PREDICTED: serine/arginine-rich splicing factor 7 isoform X2 [Homo sapiens] | 13.00 | 5 | 2 | 2 | 6 | 1.112 | 2 | 9.6 | 1.230 | 2 | 14.5 | 88.24 | 13.00 | 6 | 6 | 223 | 25.6 | 11.80 |
| 116292750 | apolipoprotein(a) precursor [Homo sapiens] | 13.24 | 1 | 2 | 4 | 7 | 1.112 | 2 | 3.3 | 1.218 | 2 | 19.8 | 190.45 | 13.24 | 7 | 7 | 2040 | 226.4 | 6.07 |
| 38027914 | COP9 signalosome complex subunit 8 isoform 2 [Homo sapiens] | 8.75 | 2 | 1 | 1 | 1 | 1.111 | 1 |  | 1.376 | 1 |  | 24.14 | 8.75 | 1 | 1 | 160 | 17.9 | 7.25 |
| 392494084 | eukaryotic translation initiation factor 6 isoform a [Homo sapiens] | 13.88 | 1 | 1 | 1 | 6 | 1.111 | 2 | 16.3 | 0.741 | 2 | 17.2 | 249.50 | 13.88 | 3 | 6 | 245 | 26.6 | 4.68 |
| 378404908 | glyceraldehyde-3-phosphate dehydrogenase isoform 2 [Homo sapiens] | 92.83 | 3 | 1 | 24 | 2605 | 1.111 | 1 |  | 1.120 | 1 |  | 90307.10 | 92.83 | 72 | 2605 | 293 | 31.5 | 7.61 |
| 32129199 | SAP domain-containing ribonucleoprotein [Homo sapiens] | 4.76 | 1 | 1 | 1 | 3 | 1.110 | 1 |  | 1.118 | 1 |  | 67.07 | 4.76 | 3 | 3 | 210 | 23.7 | 6.42 |
| 4758384 | peptidyl-prolyl cis-trans isomerase FKBP5 isoform 1 [Homo sapiens] | 12.25 | 2 | 2 | 5 | 15 | 1.110 | 2 | 6.8 | 0.945 | 2 | 0.8 | 249.42 | 12.25 | 11 | 15 | 457 | 51.2 | 5.90 |
| 532164720 | serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform isoform c [H | 7.67 | 3 | 1 | 2 | 5 | 1.109 | 1 |  | 1.439 | 1 |  | 77.12 | 7.67 | 4 | 5 | 391 | 46.2 | 5.92 |
| 5174731 | translin-associated protein X [Homo sapiens] | 19.31 | 1 | 2 | 4 | 18 | 1.109 | 4 | 21.5 | 1.150 | 4 | 35.0 | 555.33 | 19.31 | 8 | 18 | 290 | 33.1 | 6.55 |
| 5453832 | hypoxia up-regulated protein 1 precursor [Homo sapiens] | 11.11 | 2 | 3 | 8 | 21 | 1.108 | 3 | 8.0 | 1.104 | 2 | 3.0 | 386.35 | 11.11 | 14 | 21 | 999 | 111.3 | 5.22 |
| 261862352 | serine hydroxymethyltransferase, mitochondrial isoform 3 [Homo sapiens] | 7.66 | 3 | 1 | 3 | 14 | 1.107 | 1 |  | 1.360 | 1 |  | 29.58 | 7.66 | 3 | 14 | 483 | 53.4 | 8.15 |
| 312433975 | eukaryotic translation initiation factor 3 subunit C isoform a [Homo sapiens] | 9.09 | 3 | 3 | 7 | 21 | 1.107 | 3 | 4.9 | 0.951 | 2 | 35.2 | 244.37 | 9.09 | 14 | 21 | 913 | 105.3 | 5.68 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 116063568 | torsin-4A [Homo sapiens] | 2.60 | 1 | 1 | 1 | 2 | 1.106 | 1 |  | 1.250 | 1 |  | 31.26 | 2.60 | 1 | 2 | 423 | 46.9 | 9.94 |
| 163659918 | sacsin isoform 1 [Homo sapiens] | 6.16 | 3 | 1 | 29 | 102 | 1.104 | 1 |  | 0.946 | 1 |  | 75.94 | 6.16 | 38 | 102 | 4579 | 520.8 | 7.05 |
| 4506687 | 40S ribosomal protein S15 [Homo sapiens] | 24.14 | 1 | 2 | 2 | 5 | 1.104 | 2 | 6.2 | 1.161 | 2 | 22.7 | 133.14 | 24.14 | 5 | 5 | 145 | 17.0 | 10.39 |
| 8923417 | poly(ADP-ribose) glycohydrolase ARH3 [Homo sapiens] | 8.54 | 1 | 1 | 3 | 5 | 1.103 | 1 |  | 1.213 | 1 |  | 178.66 | 8.54 | 5 | 5 | 363 | 38.9 | 5.07 |
| 4507065 | antileukoproteinase precursor [Homo sapiens] | 9.09 | 1 | 1 | 1 | 2 | 1.103 | 1 |  | 0.813 | 1 |  | 97.39 | 9.09 | 2 | 2 | 132 | 14.3 | 8.75 |
| 42718017 | DNA endonuclease RBBP8 isoform b [Homo sapiens] | 2.65 | 4 | 1 | 3 | 9 | 1.102 | 1 |  |  |  |  | 36.00 | 2.65 | 3 | 9 | 867 | 98.4 | 6.64 |
| 352962174 | osteopontin isoform 4 precursor [Homo sapiens] | 6.96 | 5 | 1 | 1 | 3 | 1.101 | 1 |  | 1.239 | 1 |  | 151.08 | 6.96 | 3 | 3 | 273 | 30.8 | 4.59 |
| 530376357 | PREDICTED: ADP-ribosyl cyclase 2 isoform X3 [Homo sapiens] | 25.26 | 4 | 4 | 5 | 20 | 1.100 | 6 | 4.7 | 1.019 | 6 | 3.4 | 499.73 | 25.26 | 13 | 20 | 289 | 32.7 | 7.08 |
| 122937185 | protein LCHN [Homo sapiens] | 4.40 | 1 | 1 | 2 | 2 | 1.100 | 1 |  | **3.374** | 1 |  | 39.95 | 4.40 | 2 | 2 | 455 | 51.4 | 5.31 |
| 578815866 | PREDICTED: elongation factor 1-delta isoform X9 [Homo sapiens] | 15.21 | 8 | 1 | 8 | 33 | 1.100 | 1 |  | 1.268 | 1 |  | 880.50 | 15.21 | 19 | 33 | 664 | 73.0 | 6.34 |
| 530373508 | PREDICTED: serine/threonine-protein kinase OSR1 isoform X1 [Homo sapiens] | 9.78 | 2 | 2 | 5 | 14 | 1.099 | 2 | 2.4 | 1.266 | 2 | 6.7 | 141.48 | 9.78 | 9 | 14 | 460 | 50.6 | 7.02 |
| 578837470 | PREDICTED: DNA topoisomerase 3-beta-1 isoform X8 [Homo sapiens] | 4.99 | 3 | 1 | 5 | 10 | 1.098 | 1 |  | 0.922 | 1 |  | 17.01 | 4.99 | 5 | 10 | 862 | 96.6 | 8.12 |
| 530426177 | PREDICTED: transport and Golgi organization protein 2 homolog isoform X5 [Homo sapiens] | 25.23 | 13 | 1 | 2 | 9 | 1.097 | 1 |  | 1.387 | 1 |  | 247.04 | 25.23 | 5 | 9 | 214 | 24.2 | 5.30 |
| 530402403 | PREDICTED: protocadherin-9 isoform X3 [Homo sapiens] | 2.85 | 5 | 1 | 4 | 7 | 1.097 | 1 |  | 1.335 | 1 |  | 38.83 | 2.85 | 6 | 7 | 1019 | 112.0 | 5.45 |
| 5730027 | KH domain-containing, RNA-binding, signal transduction-associated protein 1 isoform 1 [Homo | 9.93 | 5 | 3 | 5 | 17 | 1.096 | 2 | 2.1 | 1.176 | 2 | 29.9 | 173.10 | 9.93 | 11 | 17 | 443 | 48.2 | 8.66 |
| 194473714 | latexin [Homo sapiens] | 12.16 | 1 | 2 | 2 | 5 | 1.095 | 2 | 4.4 | 0.848 | 2 | 29.9 | 249.87 | 12.16 | 5 | 5 | 222 | 25.7 | 5.78 |
| 530419646 | PREDICTED: MORC family CW-type zinc finger protein 2 isoform X2 [Homo sapiens] | 7.29 | 3 | 1 | 10 | 21 | 1.095 | 1 |  | 0.844 | 1 |  | 30.52 | 7.29 | 11 | 21 | 1029 | 117.4 | 8.44 |
| 530364823 | PREDICTED: nitrilase homolog 1 isoform X3 [Homo sapiens] | 24.40 | 7 | 3 | 4 | 9 | 1.095 | 3 | 7.3 | 1.212 | 1 |  | 135.70 | 24.40 | 9 | 9 | 291 | 31.8 | 6.87 |
| 211059425 | small integral membrane protein 24 precursor [Homo sapiens] | 15.38 | 1 | 1 | 1 | 3 | 1.094 | 1 |  | 1.205 | 1 |  | 102.74 | 15.38 | 3 | 3 | 130 | 15.0 | 5.29 |
| 578809385 | PREDICTED: extracellular matrix protein FRAS1 isoform X4 [Homo sapiens] | 1.15 | 5 | 1 | 7 | 13 | 1.093 | 1 |  | 1.604 | 1 |  | 28.41 | 1.15 | 7 | 13 | 3897 | 430.3 | 5.66 |
| 378548190 | 40S ribosomal protein S3 isoform 1 [Homo sapiens] | 11.93 | 3 | 2 | 3 | 26 | 1.093 | 2 | 1.4 | 1.496 | 2 | 17.5 | 132.47 | 11.93 | 9 | 26 | 243 | 26.7 | 9.66 |
| 48255933 | non-histone chromosomal protein HMG-14 [Homo sapiens] | 64.00 | 1 | 7 | 7 | 43 | 1.093 | 14 | 8.8 | 1.131 | 14 | 9.2 | 1324.63 | 64.00 | 21 | 43 | 100 | 10.7 | 9.60 |
| 4504011 | glutamate--cysteine ligase regulatory subunit [Homo sapiens] | 15.69 | 2 | 2 | 4 | 17 | 1.092 | 2 | 5.8 | 1.371 | 2 | 1.2 | 339.37 | 15.69 | 10 | 17 | 274 | 30.7 | 6.02 |
| 41281564 | WD repeat-containing protein 37 [Homo sapiens] | 4.05 | 1 | 1 | 2 | 4 | 1.092 | 1 |  | 1.218 | 1 |  | 142.70 | 4.05 | 4 | 4 | 494 | 54.6 | 7.23 |
| 300388183 | 26S proteasome non-ATPase regulatory subunit 1 isoform 2 [Homo sapiens] | 1.95 | 2 | 1 | 1 | 3 | 1.091 | 1 |  | 0.738 | 1 |  | 220.18 | 1.95 | 3 | 3 | 922 | 102.2 | 5.27 |
| 648216291 | N-myc proto-oncogene protein isoform 2 [Homo sapiens] | 5.93 | 2 | 1 | 2 | 4 | 1.091 | 1 |  | 1.185 | 1 |  | 45.30 | 5.93 | 2 | 4 | 253 | 28.3 | 8.95 |
| 530400242 | PREDICTED: ADP-ribosylation factor-like protein 1 isoform X1 [Homo sapiens] | 11.85 | 2 | 1 | 1 | 3 | 1.090 | 1 |  | 1.135 | 1 |  | 136.57 | 11.85 | 3 | 3 | 135 | 15.4 | 5.34 |
| 8922911 | radical S-adenosyl methionine domain-containing protein 1, mitochondrial precursor [Homo sap | 5.43 | 1 | 1 | 3 | 7 | 1.090 | 1 |  |  |  |  | 29.32 | 5.43 | 6 | 7 | 442 | 48.7 | 7.78 |
| 24111244 | MAM domain-containing glycosylphosphatidylinositol anchor protein 1 precursor [Homo sapiens | 2.62 | 2 | 1 | 3 | 26 | 1.090 | 2 | 4.5 | 1.238 | 2 | 18.0 | 36.20 | 2.62 | 3 | 26 | 955 | 105.7 | 8.34 |
| 635172849 | beta-hexosaminidase subunit beta isoform 2 [Homo sapiens] | 22.05 | 2 | 3 | 6 | 14 | 1.089 | 3 | 5.7 | 1.330 | 3 | 7.0 | 296.13 | 22.05 | 11 | 14 | 331 | 38.2 | 6.44 |
| 5031839 | keratin, type II cytoskeletal 6A [Homo sapiens] | 27.30 | 11 | 1 | 18 | 84 | 1.088 | 1 |  | 0.984 | 1 |  | 2038.21 | 27.30 | 50 | 84 | 564 | 60.0 | 8.00 |
| 530386260 | PREDICTED: coiled-coil domain-containing protein 146 isoform X3 [Homo sapiens] | 5.10 | 5 | 2 | 7 | 13 | 1.088 | 1 |  | 1.481 | 1 |  | 35.37 | 5.10 | 7 | 13 | 823 | 97.2 | 9.20 |
| 495528154 | collagen alpha-1(V) chain isoform 2 preproprotein [Homo sapiens] | 2.50 | 2 | 2 | 4 | 8 | 1.087 | 2 | 8.6 | 1.154 | 1 |  | 137.01 | 2.50 | 7 | 8 | 1838 | 183.5 | 5.07 |
| 170763500 | protein SET isoform 1 [Homo sapiens] | 35.17 | 5 | 6 | 6 | 27 | 1.086 | 8 | 7.2 | 1.117 | 8 | 8.5 | 1084.55 | 35.17 | 18 | 27 | 290 | 33.5 | 4.32 |
| 145312241 | differentially expressed in FDCP 6 homolog [Homo sapiens] | 15.53 | 18 | 3 | 11 | 39 | 1.085 | 6 | 3.7 | 1.486 | 6 | 68.8 | 417.10 | 15.53 | 21 | 39 | 631 | 73.9 | 6.05 |
| 5174661 | protein S100-A2 [Homo sapiens] | 9.28 | 1 | 1 | 1 | 3 | 1.084 | 1 |  | 0.968 | 1 |  | 181.27 | 9.28 | 3 | 3 | 97 | 11.0 | 4.78 |
| 4507123 | U2 small nuclear ribonucleoprotein B'' [Homo sapiens] | 23.11 | 2 | 1 | 5 | 15 | 1.084 | 1 |  | 1.266 | 1 |  | 153.73 | 23.11 | 11 | 15 | 225 | 25.5 | 9.72 |
| 262118216 | coiled-coil domain-containing protein 88B precursor [Homo sapiens] | 5.08 | 3 | 2 | 7 | 14 | 1.084 | 3 | 2.9 | 1.586 | 3 | 48.8 | 147.97 | 5.08 | 12 | 14 | 1476 | 164.7 | 5.11 |
| 7661734 | m7GpppX diphosphatase [Homo sapiens] | 12.46 | 1 | 3 | 4 | 16 | 1.083 | 4 | 12.6 | 1.232 | 4 | 0.7 | 372.40 | 12.46 | 12 | 16 | 337 | 38.6 | 6.38 |
| 4503097 | casein kinase II subunit alpha' [Homo sapiens] | 7.43 | 8 | 1 | 3 | 9 | 1.083 | 1 |  | 1.015 | 1 |  | 95.26 | 7.43 | 9 | 9 | 350 | 41.2 | 8.56 |
| 530395150 | PREDICTED: switch-associated protein 70 isoform X2 [Homo sapiens] | 11.70 | 2 | 1 | 5 | 9 | 1.083 | 1 |  | **2.279** | 1 |  | 84.12 | 11.70 | 9 | 9 | 436 | 51.6 | 6.00 |
| 530407994 | PREDICTED: hemoglobin subunit zeta isoform X2 [Homo sapiens] | 30.99 | 2 | 1 | 3 | 96 | 1.082 | 1 |  | 1.512 | 1 |  | 2709.18 | 30.99 | 7 | 96 | 142 | 15.6 | 8.21 |
| 226056130 | prostaglandin reductase 1 isoform 2 [Homo sapiens] | 10.63 | 2 | 2 | 2 | 4 | 1.082 | 2 | 11.3 | 1.301 | 2 | 25.4 | 169.82 | 10.63 | 4 | 4 | 301 | 32.9 | 7.20 |
| 149773456 | uncharacterized protein KIAA0754 [Homo sapiens] | 2.17 | 1 | 1 | 3 | 6 | 1.082 | 1 |  | 1.264 | 1 |  | 41.14 | 2.17 | 3 | 6 | 1427 | 150.4 | 4.32 |
| 116875826 | HD domain-containing protein 2 [Homo sapiens] | 9.80 | 1 | 1 | 2 | 6 | 1.080 | 1 |  | 1.036 | 1 |  | 123.27 | 9.80 | 6 | 6 | 204 | 23.4 | 5.49 |
| 578833510 | PREDICTED: syntaxin-binding protein 2 isoform X1 [Homo sapiens] | 31.63 | 7 | 11 | 13 | 45 | 1.079 | 11 | 10.2 | 1.165 | 11 | 25.1 | 1740.54 | 31.63 | 37 | 45 | 566 | 63.3 | 6.51 |
| 38202214 | protein transport protein Sec23A [Homo sapiens] | 9.93 | 4 | 3 | 6 | 18 | 1.079 | 3 | 9.4 | 1.075 | 2 | 0.3 | 340.86 | 9.93 | 15 | 18 | 765 | 86.1 | 7.08 |
| 68303549 | argininosuccinate lyase isoform 3 [Homo sapiens] | 10.96 | 4 | 2 | 5 | 25 | 1.079 | 2 | 0.7 | 1.285 | 2 | 0.7 | 314.77 | 10.96 | 13 | 25 | 438 | 48.7 | 6.13 |
| 13129078 | tether containing UBX domain for GLUT4 isoform 1 [Homo sapiens] | 4.16 | 2 | 1 | 1 | 1 | 1.079 | 1 |  | **2.401** | 1 |  | 29.87 | 4.16 | 1 | 1 | 553 | 60.1 | 6.64 |
| 530375442 | PREDICTED: E3 ubiquitin-protein ligase CBL-B isoform X2 [Homo sapiens] | 5.19 | 5 | 1 | 6 | 12 | 1.078 | 1 |  | 1.282 | 1 |  | 79.20 | 5.19 | 9 | 12 | 982 | 109.4 | 7.88 |
| 28372531 | serine/threonine-protein phosphatase 4 regulatory subunit 2 [Homo sapiens] | 6.47 | 1 | 1 | 2 | 4 | 1.078 | 1 |  | 1.119 | 1 |  | 153.11 | 6.47 | 4 | 4 | 417 | 46.9 | 4.54 |
| 132566536 | voltage-dependent calcium channel subunit alpha-2/delta-4 [Homo sapiens] | 1.76 | 1 | 1 | 3 | 11 | 1.078 | 1 |  | 1.092 | 1 |  | 45.69 | 1.76 | 6 | 11 | 1137 | 127.9 | 5.35 |
| 530421763 | PREDICTED: protein PBDC1 isoform X1 [Homo sapiens] | 4.31 | 2 | 1 | 1 | 2 | 1.077 | 1 |  | 1.105 | 1 |  | 57.38 | 4.31 | 2 | 2 | 232 | 26.6 | 9.36 |
| 7657015 | tRNA-splicing ligase RtcB homolog [Homo sapiens] | 12.08 | 1 | 1 | 4 | 14 | 1.077 | 2 | 5.4 | 1.407 | 2 | 28.1 | 302.22 | 12.08 | 8 | 14 | 505 | 55.2 | 7.23 |
| 530415691 | PREDICTED: NACHT, LRR and PYD domains-containing protein 13 isoform X1 [Homo sapiens] | 5.12 | 2 | 1 | 5 | 10 | 1.077 | 1 |  | 1.005 | 1 |  | 35.88 | 5.12 | 5 | 10 | 1036 | 118.1 | 5.54 |
| 55749779 | DENN domain-containing protein 1A isoform 1 [Homo sapiens] | 2.97 | 6 | 1 | 4 | 6 | 1.077 | 2 | 13.1 | **2.471** | 2 | 37.3 | 39.34 | 2.97 | 4 | 6 | 1009 | 110.5 | 6.96 |
| 24431935 | reticulon-4 isoform A [Homo sapiens] | 4.19 | 5 | 2 | 5 | 14 | 1.076 | 4 | 1.4 | 1.166 | 4 | 11.4 | 448.23 | 4.19 | 8 | 14 | 1192 | 129.9 | 4.50 |
| 5803092 | methionine aminopeptidase 2 [Homo sapiens] | 10.25 | 1 | 1 | 4 | 19 | 1.076 | 1 |  | 1.110 | 1 |  | 221.44 | 10.25 | 9 | 19 | 478 | 52.9 | 5.82 |
| 530396980 | PREDICTED: lysosomal Pro-X carboxypeptidase isoform X1 [Homo sapiens] | 19.69 | 3 | 5 | 5 | 33 | 1.076 | 11 | 11.9 | 1.097 | 11 | 7.4 | 1393.82 | 19.69 | 15 | 33 | 391 | 43.9 | 6.30 |
| 186972143 | tripeptidyl-peptidase 2 [Homo sapiens] | 5.76 | 5 | 3 | 6 | 24 | 1.076 | 7 | 4.9 | 1.063 | 7 | 21.0 | 344.87 | 5.76 | 12 | 24 | 1249 | 138.3 | 6.32 |
| 127139033 | NADPH--cytochrome P450 reductase [Homo sapiens] | 15.74 | 1 | 5 | 8 | 21 | 1.075 | 5 | 14.7 | 1.102 | 5 | 16.2 | 471.11 | 15.74 | 19 | 21 | 680 | 77.0 | 5.58 |
| 4504893 | kininogen-1 isoform 2 precursor [Homo sapiens] | 63.70 | 2 | 2 | 29 | 500 | 1.074 | 7 | 4.9 | 1.236 | 7 | 13.7 | 15792.50 | 63.70 | 82 | 500 | 427 | 47.9 | 6.65 |
| 46909584 | cAMP-dependent protein kinase catalytic subunit alpha isoform 2 [Homo sapiens] | 27.70 | 18 | 6 | 12 | 29 | 1.074 | 7 | 7.8 | 1.219 | 7 | 10.9 | 552.02 | 27.70 | 24 | 29 | 343 | 39.8 | 8.66 |
| 27501446 | density-regulated protein [Homo sapiens] | 9.60 | 1 | 2 | 2 | 12 | 1.074 | 4 | 2.7 | 1.021 | 4 | 13.9 | 923.88 | 9.60 | 6 | 12 | 198 | 22.1 | 5.30 |
| 530380424 | PREDICTED: protein diaphanous homolog 1 isoform X1 [Homo sapiens] | 11.92 | 3 | 5 | 15 | 53 | 1.073 | 6 | 9.2 | 1.134 | 6 | 6.1 | 626.73 | 11.92 | 28 | 53 | 1250 | 139.3 | 5.31 |
| 4758440 | glia maturation factor gamma [Homo sapiens] | 44.37 | 2 | 4 | 6 | 78 | 1.073 | 13 | 6.6 | 1.162 | 13 | 10.3 | 2557.68 | 44.37 | 18 | 78 | 142 | 16.8 | 5.26 |
| 207029439 | histone-binding protein RBBP4 isoform c [Homo sapiens] | 22.05 | 3 | 2 | 7 | 20 | 1.073 | 2 | 1.8 | 1.498 | 2 | 45.2 | 352.20 | 22.05 | 18 | 20 | 390 | 43.5 | 4.96 |
| 530371599 | PREDICTED: THAP domain-containing protein 4 isoform X1 [Homo sapiens] | 2.95 | 21 | 1 | 4 | 27 | 1.073 | 1 |  | 1.298 | 1 |  | 130.96 | 2.95 | 10 | 27 | 711 | 76.0 | 9.58 |
| 530391089 | PREDICTED: tenascin isoform X4 [Homo sapiens] | 0.96 | 17 | 1 | 2 | 4 | 1.073 | 1 |  | 0.940 | 1 |  | 78.24 | 0.96 | 4 | 4 | 1564 | 171.2 | 5.10 |
| 39753957 | torsin-1A-interacting protein 1 isoform 2 [Homo sapiens] | 2.40 | 1 | 1 | 1 | 3 | 1.072 | 1 |  | 0.918 | 1 |  | 198.17 | 2.40 | 3 | 3 | 583 | 66.2 | 8.18 |
| 540344580 | probable guanine nucleotide exchange factor MCF2L2 [Homo sapiens] | 5.03 | 1 | 1 | 6 | 102 | 1.072 | 2 | 6.5 | 1.077 | 2 | 13.4 | 110.26 | 5.03 | 12 | 102 | 1114 | 126.9 | 6.42 |
| 25777713 | S-phase kinase-associated protein 1 isoform b [Homo sapiens] | 27.61 | 2 | 3 | 4 | 10 | 1.072 | 3 | 10.8 | 1.176 | 3 | 10.8 | 353.94 | 27.61 | 10 | 10 | 163 | 18.6 | 4.54 |
| 4502899 | clathrin light chain A isoform a [Homo sapiens] | 11.47 | 6 | 3 | 3 | 8 | 1.071 | 3 | 4.2 | 1.181 | 3 | 11.8 | 212.64 | 11.47 | 8 | 8 | 218 | 23.6 | 4.53 |
| 530392685 | PREDICTED: chondroitin sulfate N-acetylgalactosaminyltransferase 2 isoform X1 [Homo sapiens | 13.45 | 4 | 1 | 6 | 11 | 1.071 | 1 |  | 1.679 | 1 |  | 38.43 | 13.45 | 6 | 11 | 342 | 39.5 | 5.44 |
| 4504383 | hepatocyte growth factor activator isoform 2 preproprotein [Homo sapiens] | 2.44 | 2 | 1 | 2 | 6 | 1.070 | 1 |  | 1.200 | 1 |  | 88.05 | 2.44 | 4 | 6 | 655 | 70.6 | 7.24 |
| 48762934 | collagen alpha-2(I) chain precursor [Homo sapiens] | 0.51 | 1 | 1 | 1 | 1 | 1.070 | 1 |  | 1.100 | 1 |  | 21.18 | 0.51 | 1 | 1 | 1366 | 129.2 | 8.95 |
| 530383030 | PREDICTED: Lebercilin isoform X2 [Homo sapiens] | 9.76 | 1 | 1 | 8 | 25 | 1.070 | 1 |  | 1.162 | 1 |  | 99.22 | 9.76 | 11 | 25 | 697 | 80.5 | 7.68 |
| 601984520 | polyubiquitin-C [Homo sapiens] | 95.33 | 7 | 14 | 14 | 158 | 1.070 | 53 | 9.4 | 1.117 | 53 | 9.3 | 5503.44 | 95.33 | 40 | 158 | 685 | 77.0 | 7.66 |
| 578842437 | PREDICTED: leukocyte immunoglobulin-like receptor subfamily B member 1 isoform X6 [Homo | 7.80 | 28 | 1 | 5 | 16 | 1.070 | 1 |  | 1.291 | 1 |  | 483.66 | 7.80 | 13 | 16 | 615 | 66.6 | 6.67 |
| 118918435 | von Willebrand factor A domain-containing protein 3B [Homo sapiens] | 1.16 | 3 | 1 | 2 | 9 | 1.069 | 3 | 4.8 | 1.033 | 3 | 10.3 | 120.05 | 1.16 | 3 | 9 | 1294 | 145.7 | 7.33 |
| 11225260 | DNA topoisomerase 1 [Homo sapiens] | 9.93 | 1 | 1 | 9 | 22 | 1.069 | 1 |  | 1.153 | 1 |  | 124.49 | 9.93 | 13 | 22 | 765 | 90.7 | 9.31 |
| 24308163 | protein fem-1 homolog A [Homo sapiens] | 8.22 | 1 | 1 | 5 | 11 | 1.069 | 1 |  | 1.280 | 1 |  | 86.41 | 8.22 | 10 | 11 | 669 | 73.6 | 6.07 |
| 20330805 | guanine nucleotide-binding protein G(t) subunit alpha-2 [Homo sapiens] | 6.50 | 13 | 1 | 3 | 34 | 1.069 | 4 | 11.8 | 1.153 | 4 | 2.9 | 333.71 | 6.50 | 8 | 34 | 354 | 40.2 | 5.24 |
| 116256489 | septin-9 isoform c [Homo sapiens] | 14.79 | 8 | 7 | 8 | 30 | 1.068 | 8 | 5.4 | 1.080 | 8 | 19.0 | 747.81 | 14.79 | 24 | 30 | 568 | 63.6 | 8.40 |
| 571026657 | BRISC and BRCA1-A complex member 1 isoform 2 [Homo sapiens] | 9.06 | 2 | 1 | 1 | 2 | 1.068 | 1 |  | 1.406 | 1 |  | 34.79 | 9.06 | 2 | 2 | 254 | 28.1 | 4.54 |
| 221316573 | barrier-to-autointegration factor [Homo sapiens] | 34.83 | 1 | 2 | 2 | 8 | 1.068 | 3 | 5.4 | 1.136 | 3 | 24.6 | 89.76 | 34.83 | 6 | 8 | 89 | 10.1 | 6.09 |
| 38679892 | peptidyl-prolyl cis-trans isomerase NIMA-interacting 4 isoform 1 [Homo sapiens] | 7.05 | 1 | 1 | 1 | 1 | 1.068 | 1 |  | 1.352 | 1 |  | 22.77 | 7.05 | 1 | 1 | 156 | 16.6 | 9.96 |
| 311771535 | T-complex protein 1 subunit beta isoform 2 [Homo sapiens] | 21.31 | 2 | 7 | 10 | 29 | 1.067 | 8 | 3.6 | 1.104 | 8 | 5.0 | 780.08 | 21.31 | 24 | 29 | 488 | 52.7 | 6.44 |
| 307775437 | inactive phospholipase D5 isoform 3 [Homo sapiens] | 7.01 | 3 | 1 | 3 | 7 | 1.067 | 1 |  | 1.179 | 1 |  | 37.68 | 7.01 | 3 | 7 | 328 | 37.7 | 9.28 |
| 557128998 | guanosine-3',5'-bis(diphosphate) 3'-pyrophosphohydrolase MESH1 isoform 1 [Homo sapiens] | 17.88 | 2 | 1 | 2 | 4 | 1.067 | 1 |  | 1.180 | 1 |  | 108.35 | 17.88 | 4 | 4 | 179 | 20.3 | 6.74 |
| 578811315 | PREDICTED: flotillin-1 isoform X3 [Homo sapiens] | 9.09 | 3 | 1 | 3 | 23 | 1.067 | 1 |  | 1.138 | 1 |  | 112.90 | 9.09 | 7 | 23 | 374 | 41.6 | 5.83 |
| 119703753 | keratin, type II cytoskeletal 6B [Homo sapiens] | 29.08 | 11 | 1 | 19 | 89 | 1.067 | 3 | 7.1 | 1.189 | 3 | 3.2 | 2215.53 | 29.08 | 51 | 89 | 564 | 60.0 | 8.00 |
| 425905337 | serine/threonine-protein phosphatase 2A activator isoform f [Homo sapiens] | 34.01 | 5 | 5 | 8 | 28 | 1.066 | 6 | 14.9 | 1.160 | 6 | 42.2 | 456.85 | 34.01 | 20 | 28 | 294 | 33.4 | 6.29 |
| 530360793 | PREDICTED: serine/arginine repetitive matrix protein 1 isoform X6 [Homo sapiens] | 0.68 | 7 | 1 | 1 | 5 | 1.066 | 2 | 2.1 | 1.248 | 2 | 31.6 | 109.26 | 0.68 | 3 | 5 | 888 | 100.2 | 11.77 |
| 285002251 | N(4)-(beta-N-acetylglucosaminyl)-L-asparaginase isoform 1 preproprotein [Homo sapiens] | 19.65 | 2 | 4 | 5 | 22 | 1.065 | 7 | 10.2 | 1.062 | 7 | 6.5 | 1087.16 | 19.65 | 13 | 22 | 346 | 37.2 | 6.28 |
| 28872800 | CCAAT/enhancer-binding protein epsilon [Homo sapiens] | 7.83 | 1 | 1 | 3 | 4 | 1.065 | 1 |  | 1.073 | 1 |  | 26.14 | 7.83 | 3 | 4 | 281 | 30.6 | 8.98 |
| 4506669 | 60S acidic ribosomal protein P1 isoform 1 [Homo sapiens] | 19.30 | 1 | 1 | 2 | 13 | 1.064 | 2 | 2.5 | 1.050 | 2 | 61.7 | 216.75 | 19.30 | 6 | 13 | 114 | 11.5 | 4.32 |
| 4759270 | translin isoform 1 [Homo sapiens] | 44.74 | 21 | 7 | 8 | 44 | 1.064 | 12 | 8.3 | 1.172 | 11 | 21.2 | 1526.32 | 44.74 | 24 | 44 | 228 | 26.2 | 6.44 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 194363758 | signal recognition particle 9 kDa protein isoform 1 [Homo sapiens] | 23.17 | 2 | 2 | 2 | 14 | 1.064 | 3 | 1.0 | 1.248 | 3 | 11.0 | 287.79 | 23.17 | 6 | 14 | 82 | 9.1 | 7.80 |
| 4505087 | protein mago nashi homolog [Homo sapiens] | 17.12 | 2 | 1 | 2 | 10 | 1.063 | 3 | 5.0 | 1.210 | 3 | 3.9 | 271.84 | 17.12 | 4 | 10 | 146 | 17.2 | 6.11 |
| 578836451 | PREDICTED: lipase member I isoform X7 [Homo sapiens] | 4.02 | 7 | 1 | 2 | 2 | 1.063 | 1 |  | 0.982 | 1 |  | 0.00 | 4.02 | 2 | 2 | 398 | 45.8 | 9.35 |
| 287326622 | tyrosine-protein kinase HCK isoform d [Homo sapiens] | 11.90 | 100 | 3 | 6 | 23 | 1.063 | 3 | 1.5 | 1.010 | 3 | 11.4 | 330.32 | 11.90 | 16 | 23 | 504 | 57.2 | 6.86 |
| 4506743 | 40S ribosomal protein S8 [Homo sapiens] | 5.77 | 3 | 2 | 2 | 6 | 1.063 | 2 | 4.9 | 0.990 | 2 | 15.6 | 308.10 | 5.77 | 6 | 6 | 208 | 24.2 | 10.32 |
| 46094058 | bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1 [Homo sapiens] | 4.01 | 1 | 1 | 2 | 7 | 1.063 | 1 |  | 1.341 | 1 |  | 147.40 | 4.01 | 4 | 7 | 624 | 70.8 | 6.86 |
| 21314600 | carcinoembryonic antigen-related cell adhesion molecule 8 precursor [Homo sapiens] | 24.64 | 11 | 5 | 6 | 27 | 1.062 | 9 | 10.5 | 1.107 | 9 | 12.1 | 716.87 | 24.64 | 15 | 27 | 349 | 38.1 | 7.39 |
| 56711324 | HAUS augmin-like complex subunit 3 [Homo sapiens] | 1.66 | 1 | 1 | 1 | 2 | 1.062 | 1 |  | 1.089 | 1 |  | 37.95 | 1.66 | 2 | 2 | 603 | 69.6 | 5.55 |
| 6912356 | echinoderm microtubule-associated protein-like 2 isoform 2 [Homo sapiens] | 8.63 | 5 | 4 | 5 | 17 | 1.062 | 4 | 10.8 | 1.126 | 4 | 7.9 | 496.77 | 8.63 | 15 | 17 | 649 | 70.6 | 6.32 |
| 91718902 | histone-lysine N-methyltransferase 2C [Homo sapiens] | 2.40 | 9 | 1 | 13 | 26 | 1.062 | 1 |  | 1.751 | 1 |  | 40.09 | 2.40 | 13 | 26 | 4911 | 541.0 | 6.49 |
| 4507129 | small nuclear ribonucleoprotein E [Homo sapiens] | 27.17 | 1 | 1 | 1 | 20 | 1.061 | 6 | 10.3 | 1.500 | 6 | 23.1 | 1122.27 | 27.17 | 3 | 20 | 92 | 10.8 | 9.44 |
| 6912618 | glutaminyl-peptide cyclotransferase precursor [Homo sapiens] | 22.44 | 39 | 4 | 5 | 29 | 1.061 | 8 | 5.8 | 1.086 | 8 | 20.5 | 1009.80 | 22.44 | 15 | 29 | 361 | 40.9 | 6.61 |
| 5579478 | dual specificity mitogen-activated protein kinase kinase 1 [Homo sapiens] | 26.46 | 3 | 4 | 11 | 37 | 1.061 | 5 | 2.3 | 1.302 | 5 | 5.3 | 810.44 | 26.46 | 27 | 37 | 393 | 43.4 | 6.62 |
| 419635906 | tRNA-dihydrouridine(20) synthase [NAD(P)+]-like isoform 2 [Homo sapiens] | 4.15 | 2 | 1 | 3 | 5 | 1.061 | 1 |  | 1.695 | 1 |  | 20.93 | 4.15 | 3 | 5 | 458 | 51.4 | 7.33 |
| 45593144 | homeobox protein GBX-2 [Homo sapiens] | 2.59 | 1 | 1 | 2 | 3 | 1.061 | 1 |  | 1.707 | 1 |  | 28.26 | 2.59 | 2 | 3 | 348 | 37.3 | 8.38 |
| 530424789 | PREDICTED: myosin regulatory light chain 12A isoform X1 [Homo sapiens] | 72.51 | 7 | 1 | 12 | 155 | 1.061 | 2 | 10.8 | 1.647 | 2 | 64.5 | 5180.12 | 72.51 | 36 | 155 | 171 | 19.8 | 4.81 |
| 94721241 | isoleucine--tRNA ligase, cytoplasmic [Homo sapiens] | 4.68 | 1 | 1 | 5 | 13 | 1.060 | 1 |  | 1.168 | 1 |  | 107.96 | 4.68 | 11 | 13 | 1262 | 144.4 | 6.15 |
| 530405396 | PREDICTED: tyrosine-protein kinase CSK isoform X1 [Homo sapiens] | 30.22 | 2 | 8 | 10 | 35 | 1.060 | 9 | 6.4 | 1.149 | 9 | 15.0 | 912.28 | 30.22 | 26 | 35 | 450 | 50.7 | 7.06 |
| 578801274 | PREDICTED: histone-lysine N-methyltransferase ASH1L isoform X6 [Homo sapiens] | 2.31 | 2 | 1 | 9 | 62 | 1.060 | 1 |  |  |  |  | 192.22 | 2.31 | 18 | 62 | 2904 | 325.3 | 9.39 |
| 14249158 | hepatoma-derived growth factor-related protein 2 isoform 2 [Homo sapiens] | 5.22 | 9 | 1 | 3 | 10 | 1.060 | 2 | 5.3 | 1.211 | 2 | 17.4 | 435.91 | 5.22 | 7 | 10 | 670 | 74.2 | 7.49 |
| 4826972 | RNA-binding protein 8A [Homo sapiens] | 20.69 | 1 | 2 | 3 | 13 | 1.060 | 3 | 16.0 | 1.277 | 3 | 22.1 | 575.14 | 20.69 | 9 | 13 | 174 | 19.9 | 5.72 |
| 28416899 | trifunctional purine biosynthetic protein adenosine-3 isoform 2 [Homo sapiens] | 12.47 | 3 | 2 | 5 | 13 | 1.060 | 2 | 3.5 | 1.133 | 2 | 0.7 | 125.29 | 12.47 | 9 | 13 | 433 | 46.0 | 6.79 |
| 4506005 | serine/threonine-protein phosphatase PP1-beta catalytic subunit isoform 1 [Homo sapiens] | 28.75 | 4 | 3 | 7 | 38 | 1.059 | 5 | 5.3 | 1.223 | 5 | 1.8 | 1206.33 | 28.75 | 21 | 38 | 327 | 37.2 | 6.19 |
| 34098946 | nuclease-sensitive element-binding protein 1 [Homo sapiens] | 23.46 | 5 | 2 | 6 | 23 | 1.059 | 4 | 4.8 | 1.219 | 4 | 13.5 | 575.93 | 23.46 | 12 | 23 | 324 | 35.9 | 9.88 |
| 321400142 | CD44 antigen isoform 8 precursor [Homo sapiens] | 13.27 | 19 | 3 | 4 | 20 | 1.059 | 7 | 14.3 | 1.104 | 6 | 16.2 | 547.31 | 13.27 | 10 | 20 | 294 | 32.1 | 5.21 |
| 530384106 | PREDICTED: fibronectin type III domain-containing protein 1 isoform X1 [Homo sapiens] | 3.46 | 2 | 1 | 5 | 90 | 1.059 | 1 |  | **2.444** | 1 |  | 94.69 | 3.46 | 9 | 90 | 1819 | 197.6 | 9.29 |
| 530403927 | PREDICTED: protein Z-dependent protease inhibitor isoform X1 [Homo sapiens] | 22.97 | 2 | 4 | 8 | 21 | 1.059 | 5 | 4.5 | 1.168 | 5 | 7.5 | 616.18 | 22.97 | 18 | 21 | 444 | 50.7 | 8.27 |
| 4507669 | translationally-controlled tumor protein isoform 2 [Homo sapiens] | 62.21 | 6 | 8 | 8 | 57 | 1.058 | 15 | 7.6 | 1.162 | 12 | 10.9 | 1308.53 | 62.21 | 24 | 57 | 172 | 19.6 | 4.93 |
| 14249348 | thioredoxin domain-containing protein 17 [Homo sapiens] | 30.08 | 1 | 3 | 3 | 10 | 1.058 | 4 | 11.2 | 1.089 | 4 | 17.1 | 508.08 | 30.08 | 8 | 10 | 123 | 13.9 | 5.52 |
| 4506217 | 26S proteasome non-ATPase regulatory subunit 10 isoform 1 [Homo sapiens] | 26.11 | 1 | 1 | 3 | 8 | 1.058 | 2 | 0.0 | 1.208 | 2 | 0.0 | 366.03 | 26.11 | 5 | 8 | 226 | 24.4 | 6.10 |
| 530387887 | PREDICTED: serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isofor | 12.11 | 20 | 3 | 5 | 17 | 1.058 | 3 | 6.6 | 0.987 | 3 | 12.1 | 296.40 | 12.11 | 13 | 17 | 446 | 51.6 | 6.20 |
| 66879662 | ADP-ribosylation factor 1 [Homo sapiens] | 62.98 | 3 | 4 | 10 | 56 | 1.057 | 10 | 5.5 | 1.331 | 10 | 16.7 | 2153.53 | 62.98 | 26 | 56 | 181 | 20.7 | 6.80 |
| 4506181 | proteasome subunit alpha type-2 [Homo sapiens] | 48.29 | 1 | 7 | 8 | 52 | 1.057 | 13 | 7.5 | 1.187 | 13 | 16.1 | 1836.76 | 48.29 | 21 | 52 | 234 | 25.9 | 7.43 |
| 312176435 | stromal membrane-associated protein 2 isoform 4 [Homo sapiens] | 2.29 | 5 | 1 | 1 | 2 | 1.057 | 1 |  | **2.207** | 1 |  | 40.81 | 2.29 | 2 | 2 | 349 | 37.7 | 9.11 |
| 118150678 | epithelial cell-transforming sequence 2 oncogene-like [Homo sapiens] | 8.85 | 2 | 1 | 6 | 14 | 1.057 | 1 |  | 0.852 | 1 |  | 40.87 | 8.85 | 10 | 14 | 904 | 104.8 | 8.40 |
| 530369318 | PREDICTED: ras-related protein Ral-B isoform X4 [Homo sapiens] | 13.59 | 2 | 1 | 4 | 8 | 1.057 | 1 |  | 1.437 | 1 |  | 208.69 | 13.59 | 7 | 8 | 206 | 23.4 | 6.62 |
| 126362971 | serine/threonine-protein kinase 10 [Homo sapiens] | 17.77 | 1 | 9 | 14 | 58 | 1.057 | 11 | 6.4 | 1.221 | 11 | 12.0 | 1642.06 | 17.77 | 37 | 58 | 968 | 112.1 | 6.95 |
| 4758516 | hepatoma-derived growth factor isoform a [Homo sapiens] | 70.00 | 12 | 15 | 17 | 149 | 1.057 | 48 | 8.0 | 1.086 | 48 | 13.9 | 5596.40 | 70.00 | 51 | 149 | 240 | 26.8 | 4.73 |
| 20336761 | heme-binding protein 1 [Homo sapiens] | 8.47 | 1 | 1 | 2 | 8 | 1.057 | 2 | 4.0 | 1.113 | 2 | 42.3 | 166.24 | 8.47 | 5 | 8 | 189 | 21.1 | 5.80 |
| 4502205 | ADP-ribosylation factor 4 [Homo sapiens] | 34.44 | 1 | 1 | 4 | 76 | 1.056 | 5 | 1.1 | 1.396 | 5 | 10.1 | 659.85 | 34.44 | 11 | 76 | 180 | 20.5 | 7.14 |
| 21264575 | AT-rich interactive domain-containing protein 1A isoform b [Homo sapiens] | 2.03 | 2 | 1 | 4 | 10 | 1.056 | 1 |  | 1.091 | 1 |  | 237.31 | 2.03 | 7 | 10 | 2068 | 218.2 | 6.52 |
| 4758356 | flap endonuclease 1 [Homo sapiens] | 22.89 | 1 | 4 | 8 | 26 | 1.056 | 6 | 5.1 | 1.130 | 6 | 5.2 | 636.17 | 22.89 | 17 | 26 | 380 | 42.6 | 8.62 |
| 530385605 | PREDICTED: leucine-rich repeat and WD repeat-containing protein 1 isoform X1 [Homo sapiens | 5.21 | 3 | 1 | 3 | 5 | 1.056 | 1 |  | **2.261** | 1 |  | 33.50 | 5.21 | 3 | 5 | 595 | 65.3 | 6.81 |
| 307746865 | excitatory amino acid transporter 2 isoform 2 [Homo sapiens] | 1.42 | 5 | 1 | 1 | 5 | 1.056 | 1 |  | 0.956 | 1 |  | 47.24 | 1.42 | 3 | 5 | 565 | 61.2 | 6.67 |
| 530367188 | PREDICTED: coiled-coil domain-containing protein 104 isoform X2 [Homo sapiens] | 12.39 | 3 | 1 | 3 | 7 | 1.056 | 1 |  | 1.768 | 1 |  | 32.16 | 12.39 | 3 | 7 | 218 | 25.0 | 4.51 |
| 578800866 | PREDICTED: gamma-interferon-inducible protein 16 isoform X2 [Homo sapiens] | 13.44 | 4 | 5 | 10 | 48 | 1.056 | 6 | 11.9 | 1.056 | 6 | 7.8 | 583.17 | 13.44 | 21 | 48 | 677 | 76.3 | 9.38 |
| 530377842 | PREDICTED: H/ACA ribonucleoprotein complex subunit 1 isoform X1 [Homo sapiens] | 4.15 | 1 | 1 | 1 | 3 | 1.056 | 1 |  | 1.256 | 1 |  | 71.75 | 4.15 | 3 | 3 | 217 | 22.3 | 10.92 |
| 90669511 | quinone oxidoreductase-like protein 1 [Homo sapiens] | 7.16 | 1 | 1 | 3 | 12 | 1.056 | 2 | 2.3 | 1.081 | 2 | 3.6 | 197.91 | 7.16 | 6 | 12 | 349 | 38.7 | 5.78 |
| 530416417 | PREDICTED: apolipoprotein C-I isoform X1 [Homo sapiens] | 38.55 | 7 | 4 | 5 | 27 | 1.056 | 8 | 6.0 | 1.164 | 8 | 15.5 | 809.66 | 38.55 | 14 | 27 | 83 | 9.3 | 8.47 |
| 530366904 | PREDICTED: isoamyl acetate-hydrolyzing esterase 1 homolog isoform X1 [Homo sapiens] | 18.39 | 2 | 1 | 4 | 12 | 1.056 | 1 |  | 1.094 | 1 |  | 144.45 | 18.39 | 9 | 12 | 223 | 25.0 | 5.43 |
| 22748877 | class E basic helix-loop-helix protein 22 [Homo sapiens] | 1.84 | 1 | 1 | 1 | 1 | 1.055 | 1 |  | 1.296 | 1 |  | 0.00 | 1.84 | 1 | 1 | 381 | 37.0 | 7.39 |
| 530369184 | PREDICTED: interleukin-1 receptor antagonist protein isoform X1 [Homo sapiens] | 13.29 | 4 | 1 | 1 | 3 | 1.055 | 1 |  | 0.693 | 1 |  | 122.73 | 13.29 | 3 | 3 | 143 | 16.1 | 4.88 |
| 7705431 | translation machinery-associated protein 7 [Homo sapiens] | 15.63 | 1 | 1 | 1 | 6 | 1.055 | 2 | 0.7 | 1.167 | 2 | 11.0 | 243.72 | 15.63 | 3 | 6 | 64 | 7.1 | 9.99 |
| 55741709 | RNA-binding protein 25 [Homo sapiens] | 5.58 | 23 | 2 | 6 | 25 | 1.055 | 2 | 0.5 | 1.098 | 2 | 50.8 | 187.64 | 5.58 | 15 | 25 | 843 | 100.1 | 6.32 |
| 578821511 | PREDICTED: synaptotagmin-like protein 2 isoform X12 [Homo sapiens] | 5.42 | 4 | 1 | 14 | 37 | 1.055 | 3 | 9.7 | **2.124** | 3 | 17.8 | 85.90 | 5.42 | 19 | 37 | 2196 | 244.1 | 6.20 |
| 8922498 | pyridoxine-5'-phosphate oxidase [Homo sapiens] | 14.56 | 2 | 1 | 3 | 19 | 1.055 | 1 |  | 1.132 | 1 |  | 100.96 | 14.56 | 5 | 19 | 261 | 30.0 | 7.06 |
| 530387776 | PREDICTED: acid ceramidase isoform X1 [Homo sapiens] | 11.26 | 4 | 2 | 3 | 7 | 1.054 | 2 | 3.0 | 1.348 | 2 | 3.7 | 217.19 | 11.26 | 7 | 7 | 373 | 42.6 | 6.90 |
| 38327625 | citrate synthase, mitochondrial precursor [Homo sapiens] | 13.09 | 1 | 3 | 3 | 23 | 1.054 | 3 | 2.2 | 1.127 | 3 | 27.3 | 436.70 | 13.09 | 8 | 23 | 466 | 51.7 | 8.32 |
| 394953908 | 26S proteasome non-ATPase regulatory subunit 11 [Homo sapiens] | 9.00 | 1 | 2 | 3 | 7 | 1.054 | 2 | 2.6 | 0.817 | 2 | 10.0 | 139.05 | 9.00 | 7 | 7 | 422 | 47.4 | 6.48 |
| 578800587 | PREDICTED: roquin-1 isoform X5 [Homo sapiens] | 2.36 | 4 | 1 | 4 | 8 | 1.054 | 1 |  | 1.198 | 1 |  | 36.44 | 2.36 | 4 | 8 | 1101 | 122.6 | 7.96 |
| 15553127 | hexokinase-2 [Homo sapiens] | 9.16 | 2 | 1 | 9 | 24 | 1.054 | 1 |  | 1.675 | 1 |  | 438.00 | 9.16 | 16 | 24 | 917 | 102.3 | 6.05 |
| 45006986 | aminoacyl tRNA synthase complex-interacting multifunctional protein 1 isoform a precursor [Ho | 8.33 | 2 | 1 | 2 | 7 | 1.054 | 2 | 5.8 | 1.036 | 2 | 16.5 | 412.57 | 8.33 | 4 | 7 | 312 | 34.3 | 8.43 |
| 578808831 | PREDICTED: ras-GEF domain-containing family member 1B isoform X3 [Homo sapiens] | 4.86 | 2 | 1 | 2 | 14 | 1.054 | 6 | 13.2 | **2.220** | 3 | 4.9 | 90.76 | 4.86 | 4 | 14 | 432 | 50.4 | 8.06 |
| 40254823 | phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1 isoform b [Homo sapiens] | 10.27 | 2 | 5 | 10 | 25 | 1.053 | 5 | 7.5 | 1.328 | 5 | 11.9 | 604.40 | 10.27 | 23 | 25 | 1188 | 133.1 | 7.59 |
| 530391261 | PREDICTED: TBC1 domain family member 13 isoform X1 [Homo sapiens] | 4.63 | 1 | 1 | 2 | 4 | 1.053 | 1 |  | 1.023 | 1 |  | 30.14 | 4.63 | 2 | 4 | 324 | 37.7 | 4.97 |
| 38201680 | meiotic recombination protein SPO11 isoform b [Homo sapiens] | 9.22 | 4 | 1 | 4 | 7 | 1.053 | 1 |  | **4.261** | 1 |  | 32.13 | 9.22 | 6 | 7 | 358 | 40.3 | 9.23 |
| 237681091 | double-stranded RNA-specific editase 1 isoform 7 [Homo sapiens] | 1.34 | 9 | 1 | 1 | 6 | 1.053 | 2 | 7.4 | 1.043 | 2 | 6.5 | 105.94 | 1.34 | 3 | 6 | 674 | 73.6 | 9.03 |
| 530398960 | PREDICTED: dynamin-1-like protein isoform X2 [Homo sapiens] | 2.90 | 8 | 1 | 1 | 3 | 1.053 | 1 |  | 1.455 | 1 |  | 288.04 | 2.90 | 3 | 3 | 587 | 65.3 | 7.49 |
| 40217790 | zinc finger protein 512 isoform a [Homo sapiens] | 11.29 | 4 | 1 | 6 | 25 | 1.053 | 1 |  | 1.228 | 1 |  | 175.69 | 11.29 | 12 | 25 | 567 | 64.6 | 9.76 |
| 82880645 | ubiquitin carboxyl-terminal hydrolase 14 isoform b [Homo sapiens] | 23.31 | 2 | 8 | 10 | 37 | 1.053 | 12 | 10.6 | 1.169 | 12 | 13.5 | 976.86 | 23.31 | 25 | 37 | 459 | 52.4 | 5.78 |
| 578820904 | PREDICTED: MAP kinase-activating death domain protein isoform X25 [Homo sapiens] | 3.35 | 12 | 1 | 6 | 22 | 1.053 | 1 |  | 1.043 | 1 |  | 46.32 | 3.35 | 11 | 22 | 1553 | 172.8 | 6.18 |
| 4507677 | endoplasmin precursor [Homo sapiens] | 24.28 | 13 | 13 | 18 | 73 | 1.052 | 18 | 5.2 | 1.145 | 18 | 14.1 | 2583.44 | 24.28 | 48 | 73 | 803 | 92.4 | 4.84 |
| 530370916 | PREDICTED: tubulin alpha-4A chain isoform X1 [Homo sapiens] | 50.35 | 7 | 4 | 16 | 139 | 1.052 | 7 | 10.4 | 1.142 | 7 | 39.9 | 4729.26 | 50.35 | 47 | 139 | 433 | 48.3 | 5.01 |
| 4505981 | platelet basic protein preproprotein [Homo sapiens] | 7.81 | 1 | 1 | 1 | 2 | 1.051 | 1 |  | 0.984 | 1 |  | 128.69 | 7.81 | 2 | 2 | 128 | 13.9 | 8.79 |
| 324120908 | doublecortin domain-containing protein 5 [Homo sapiens] | 3.48 | 1 | 2 | 4 | 46 | 1.051 | 5 | 2.7 | 1.168 | 5 | 23.1 | 212.55 | 3.48 | 10 | 46 | 890 | 100.3 | 8.95 |
| 156105693 | helicase with zinc finger domain 2 isoform 1 [Homo sapiens] | 4.11 | 24 | 1 | 10 | 25 | 1.051 | 1 |  | 0.978 | 1 |  | 89.60 | 4.11 | 17 | 25 | 2649 | 294.5 | 7.49 |
| 4506761 | protein S100-A10 [Homo sapiens] | 49.48 | 1 | 1 | 4 | 4 | 1.051 | 1 |  | 1.329 | 1 |  | 42.38 | 49.48 | 4 | 4 | 97 | 11.2 | 7.37 |
| 148529014 | DNA damage-binding protein 1 [Homo sapiens] | 4.82 | 1 | 1 | 4 | 17 | 1.051 | 1 |  | 0.949 | 1 |  | 248.40 | 4.82 | 8 | 17 | 1140 | 126.9 | 5.26 |
| 578815670 | PREDICTED: V-type proton ATPase subunit H isoform X1 [Homo sapiens] | 8.82 | 2 | 1 | 4 | 10 | 1.051 | 2 | 0.7 | 1.261 | 2 | 9.0 | 300.70 | 8.82 | 7 | 10 | 465 | 54.1 | 6.48 |
| 148539872 | acetyl-CoA acetyltransferase, cytosolic [Homo sapiens] | 19.40 | 2 | 3 | 6 | 13 | 1.051 | 3 | 5.5 | 0.937 | 3 | 25.0 | 243.42 | 19.40 | 13 | 13 | 397 | 41.3 | 6.92 |
| 11596859 | 39S ribosomal protein L17, mitochondrial [Homo sapiens] | 8.57 | 1 | 1 | 2 | 4 | 1.051 | 1 |  |  |  |  | 23.41 | 8.57 | 2 | 4 | 175 | 20.0 | 10.11 |
| 15718761 | GTPase KRas isoform b [Homo sapiens] | 9.04 | 1 | 1 | 2 | 4 | 1.050 | 1 |  | 1.068 | 1 |  | 91.55 | 9.04 | 4 | 4 | 188 | 21.4 | 8.12 |
| 339639597 | septin-7 isoform 3 [Homo sapiens] | 13.22 | 18 | 3 | 5 | 31 | 1.050 | 6 | 15.2 | 1.156 | 6 | 15.2 | 960.12 | 13.22 | 15 | 31 | 401 | 46.5 | 8.22 |
| 115430227 | LYR motif-containing protein 5 [Homo sapiens] | 17.78 | 1 | 1 | 2 | 8 | 1.050 | 1 |  | 1.190 | 1 |  | 59.55 | 17.78 | 6 | 8 | 90 | 10.9 | 9.92 |
| 635372916 | enolase-phosphatase E1 isoform 2 [Homo sapiens] | 24.28 | 2 | 2 | 3 | 7 | 1.050 | 2 | 3.9 | 1.169 | 2 | 8.2 | 307.42 | 24.28 | 7 | 7 | 173 | 19.2 | 5.81 |
| 19923236 | nuclear autoantigen Sp-100 isoform 2 [Homo sapiens] | 6.83 | 6 | 1 | 8 | 43 | 1.050 | 1 |  | **6.116** | 1 |  | 433.97 | 6.83 | 18 | 43 | 879 | 100.4 | 8.22 |
| 16418381 | vacuolar protein sorting-associated protein 26B [Homo sapiens] | 10.42 | 1 | 1 | 3 | 8 | 1.050 | 1 |  | 0.798 | 1 |  | 169.09 | 10.42 | 8 | 8 | 336 | 39.1 | 7.36 |
| 4507143 | sorting nexin-3 isoform a [Homo sapiens] | 19.14 | 3 | 3 | 4 | 19 | 1.050 | 4 | 5.5 | 1.174 | 4 | 3.8 | 226.74 | 19.14 | 12 | 19 | 162 | 18.8 | 8.66 |
| 578825824 | PREDICTED: myosin-6 isoform X4 [Homo sapiens] | 6.10 | 76 | 1 | 16 | 61 | 1.050 | 1 |  | **4.494** | 1 |  | 417.33 | 6.10 | 30 | 61 | 1968 | 226.6 | 5.76 |
| 4758304 | protein disulfide-isomerase A4 precursor [Homo sapiens] | 19.53 | 2 | 7 | 11 | 41 | 1.049 | 8 | 4.8 | 1.135 | 8 | 5.9 | 1304.94 | 19.53 | 29 | 41 | 645 | 72.9 | 5.07 |
| 578800828 | PREDICTED: glutamine synthetase isoform X1 [Homo sapiens] | 2.14 | 1 | 1 | 1 | 2 | 1.049 | 1 |  | 1.148 | 1 |  | 78.89 | 2.14 | 2 | 2 | 373 | 42.0 | 6.89 |
| 530389317 | PREDICTED: 14-3-3 protein zeta/delta isoform X2 [Homo sapiens] | 81.63 | 17 | 15 | 26 | 327 | 1.049 | 67 | 9.0 | 1.134 | 66 | 13.1 | 13809.39 | 81.63 | 77 | 327 | 245 | 27.7 | 4.79 |
| 530393504 | PREDICTED: annexin A7 isoform X2 [Homo sapiens] | 11.97 | 4 | 2 | 4 | 10 | 1.049 | 2 | 6.1 | 1.259 | 2 | 9.6 | 433.67 | 11.97 | 9 | 10 | 426 | 46.0 | 7.18 |
| 5729804 | diphosphoinositol polyphosphate phosphohydrolase 1 [Homo sapiens] | 25.58 | 2 | 3 | 3 | 14 | 1.049 | 5 | 8.9 | 1.121 | 5 | 16.8 | 458.11 | 25.58 | 8 | 14 | 172 | 19.5 | 6.34 |
| 530407962 | PREDICTED: zinc finger CCCH domain-containing protein 7A isoform X3 [Homo sapiens] | 5.11 | 2 | 1 | 5 | 7 | 1.049 | 1 |  | 1.193 | 1 |  | 26.92 | 5.11 | 5 | 7 | 958 | 109.2 | 7.24 |
| 253970504 | RNA-binding protein EWS isoform 4 [Homo sapiens] | 7.00 | 8 | 2 | 4 | 20 | 1.049 | 5 | 6.9 | 1.079 | 5 | 3.6 | 366.98 | 7.00 | 10 | 20 | 600 | 62.5 | 9.39 |
| 18860831 | dynamin-like 120 kDa protein, mitochondrial isoform 2 [Homo sapiens] | 8.23 | 13 | 1 | 9 | 30 | 1.049 | 1 |  | 1.459 | 1 |  | 180.76 | 8.23 | 14 | 30 | 924 | 107.5 | 7.99 |
| 618857456 | zinc finger protein 280A [Homo sapiens] | 1.29 | 1 | 1 | 1 | 9 | 1.049 | 3 | 6.6 | 1.317 | 3 | 3.9 | 46.50 | 1.29 | 1 | 9 | 542 | 60.5 | 8.59 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 149589008 | xaa-Pro dipeptidase isoform 1 [Homo sapiens] | 16.02 | 3 | 3 | 4 | 15 | 1.049 | 4 | 11.0 | 1.505 | 4 | 96.1 | 758.90 | 16.02 | 11 | 15 | 493 | 54.5 | 6.00 |
| 530422764 | PREDICTED: high mobility group protein B3 isoform X1 [Homo sapiens] | 30.18 | 3 | 1 | 7 | 51 | 1.049 | 2 | 5.0 | 1.165 | 2 | 16.7 | 784.73 | 30.18 | 19 | 51 | 222 | 25.6 | 8.12 |
| 530398338 | PREDICTED: alpha-tectorin isoform X1 [Homo sapiens] | 1.16 | 2 | 1 | 3 | 14 | 1.049 | 2 | 1.2 | 1.199 | 2 | 4.4 | 106.06 | 1.16 | 7 | 14 | 2150 | 238.8 | 5.39 |
| 4885049 | actin, alpha cardiac muscle 1 proprotein [Homo sapiens] | 56.23 | 27 | 2 | 27 | 2269 | 1.049 | 62 | 9.6 | 1.240 | 62 | 21.8 | 56764.70 | 56.23 | 77 | 2269 | 377 | 42.0 | 5.39 |
| 530390698 | PREDICTED: adenylate kinase isoenzyme 1 isoform X3 [Homo sapiens] | 18.72 | 3 | 1 | 3 | 22 | 1.049 | 1 |  | 1.094 | 1 |  | 424.80 | 18.72 | 7 | 22 | 187 | 20.7 | 7.93 |
| 31652249 | lipopolysaccharide-binding protein precursor [Homo sapiens] | 12.27 | 1 | 4 | 5 | 31 | 1.048 | 9 | 16.6 | 1.260 | 9 | 18.5 | 1348.47 | 12.27 | 14 | 31 | 481 | 53.3 | 6.70 |
| 578833192 | PREDICTED: zinc finger protein 844 isoform X2 [Homo sapiens] | 4.61 | 2 | 1 | 3 | 7 | 1.048 | 1 |  | 1.803 | 1 |  | 25.23 | 4.61 | 3 | 7 | 499 | 57.5 | 8.59 |
| 296011001 | abl interactor 1 isoform k [Homo sapiens] | 6.96 | 17 | 2 | 2 | 9 | 1.048 | 3 | 0.0 | 1.146 | 3 | 8.0 | 483.13 | 6.96 | 6 | 9 | 388 | 42.6 | 6.04 |
| 578816553 | PREDICTED: centlein isoform X2 [Homo sapiens] | 7.00 | 6 | 1 | 13 | 24 | 1.048 | 1 |  | 1.398 | 1 |  | 40.06 | 7.00 | 19 | 24 | 1343 | 155.6 | 8.40 |
| 10800140 | histone H2B type 1-B [Homo sapiens] | 68.25 | 14 | 2 | 12 | 217 | 1.048 | 6 | 5.8 | 1.129 | 6 | 20.8 | 6662.32 | 68.25 | 36 | 217 | 126 | 13.9 | 10.32 |
| 354721179 | ras-related protein Rab-5B isoform 2 [Homo sapiens] | 28.16 | 5 | 2 | 5 | 23 | 1.048 | 4 | 15.0 | **2.310** | 3 | 103.5 | 607.81 | 28.16 | 12 | 23 | 174 | 19.1 | 7.30 |
| 10835067 | lupus La protein [Homo sapiens] | 21.32 | 1 | 6 | 9 | 41 | 1.048 | 8 | 6.0 | 1.279 | 8 | 9.0 | 943.95 | 21.32 | 24 | 41 | 408 | 46.8 | 7.12 |
| 530406418 | PREDICTED: tropomyosin alpha-1 chain isoform X18 [Homo sapiens] | 47.76 | 29 | 3 | 17 | 118 | 1.047 | 3 | 2.3 | 1.073 | 3 | 6.5 | 3394.57 | 47.76 | 48 | 118 | 245 | 28.5 | 4.78 |
| 71274132 | phosphoglycerate mutase 4 [Homo sapiens] | 40.16 | 22 | 1 | 8 | 111 | 1.047 | 1 |  | 1.178 | 1 |  | 3840.54 | 40.16 | 24 | 111 | 254 | 28.8 | 6.65 |
| 54607080 | carboxypeptidase B preproprotein [Homo sapiens] | 3.12 | 1 | 1 | 1 | 4 | 1.047 | 1 |  | 1.255 | 1 |  | 33.63 | 3.12 | 2 | 4 | 417 | 47.3 | 6.61 |
| 530374901 | PREDICTED: protein CDV3 homolog isoform X4 [Homo sapiens] | 46.67 | 6 | 5 | 6 | 16 | 1.047 | 5 | 1.5 | 1.221 | 5 | 24.7 | 615.52 | 46.67 | 15 | 16 | 210 | 21.7 | 5.54 |
| 578799563 | PREDICTED: serine--tRNA ligase, cytoplasmic isoform X1 [Homo sapiens] | 10.45 | 2 | 2 | 6 | 17 | 1.047 | 3 | 5.4 | 1.261 | 3 | 46.0 | 419.39 | 10.45 | 12 | 17 | 536 | 61.3 | 7.06 |
| 390635651 | ras-related protein Rab-44 [Homo sapiens] | 9.11 | 1 | 4 | 6 | 20 | 1.047 | 6 | 4.5 | 1.130 | 6 | 27.7 | 1074.55 | 9.11 | 14 | 20 | 1021 | 110.8 | 5.08 |
| 4759300 | vesicle-associated membrane protein 3 [Homo sapiens] | 23.00 | 1 | 1 | 2 | 5 | 1.047 | 1 |  | 1.124 | 1 |  | 263.30 | 23.00 | 4 | 5 | 100 | 11.3 | 8.79 |
| 42518068 | trans-Golgi network integral membrane protein 2 isoform 1 precursor [Homo sapiens] | 9.38 | 3 | 1 | 3 | 6 | 1.047 | 1 |  | 1.206 | 1 |  | 80.69 | 9.38 | 5 | 6 | 437 | 45.9 | 5.63 |
| 4506193 | proteasome subunit beta type-1 [Homo sapiens] | 45.23 | 1 | 8 | 8 | 60 | 1.047 | 19 | 6.7 | 1.132 | 19 | 21.1 | 2822.78 | 45.23 | 24 | 60 | 241 | 26.5 | 8.13 |
| 4506127 | ribose-phosphate pyrophosphokinase 1 isoform 1 [Homo sapiens] | 25.79 | 5 | 4 | 7 | 24 | 1.046 | 5 | 4.9 | 1.186 | 5 | 4.9 | 678.24 | 25.79 | 19 | 24 | 318 | 34.8 | 6.98 |
| 57863298 | 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-1 isoform b [Homo sapiens] | 4.29 | 17 | 1 | 9 | 32 | 1.046 | 1 |  | 1.157 | 1 |  | 178.76 | 4.29 | 15 | 32 | 1655 | 184.7 | 7.75 |
| 145386517 | phostensin [Homo sapiens] | 7.34 | 1 | 2 | 4 | 12 | 1.046 | 2 | 2.3 | 1.068 | 2 | 17.6 | 384.78 | 7.34 | 9 | 12 | 613 | 67.9 | 5.40 |
| 4758112 | spliceosome RNA helicase DDX39B [Homo sapiens] | 28.04 | 1 | 3 | 10 | 57 | 1.046 | 4 | 2.3 | 0.999 | 4 | 38.0 | 1379.00 | 28.04 | 28 | 57 | 428 | 49.0 | 5.67 |
| 578810779 | PREDICTED: ras GTPase-activating protein-binding protein 1 isoform X1 [Homo sapiens] | 4.94 | 1 | 1 | 1 | 6 | 1.046 | 2 | 15.2 | 1.251 | 2 | 11.9 | 143.84 | 4.94 | 2 | 6 | 466 | 52.1 | 5.52 |
| 578825985 | PREDICTED: proteasome activator complex subunit 2 isoform X1 [Homo sapiens] | 63.19 | 2 | 1 | 9 | 39 | 1.046 | 1 |  | 1.047 | 1 |  | 1486.84 | 63.19 | 27 | 39 | 163 | 18.6 | 7.99 |
| 4506179 | proteasome subunit alpha type-1 isoform 2 [Homo sapiens] | 60.08 | 3 | 12 | 16 | 82 | 1.046 | 25 | 13.1 | 1.118 | 25 | 6.7 | 2631.05 | 60.08 | 42 | 82 | 263 | 29.5 | 6.61 |
| 12965178 | taste receptor type 2 member 13 [Homo sapiens] | 2.64 | 1 | 1 | 1 | 6 | 1.046 | 2 | 1.1 | 1.190 | 2 | 11.3 | 62.20 | 2.64 | 2 | 6 | 303 | 35.1 | 9.66 |
| 4758950 | peptidyl-prolyl cis-trans isomerase B precursor [Homo sapiens] | 40.74 | 1 | 8 | 9 | 66 | 1.046 | 17 | 5.2 | 1.147 | 17 | 10.5 | 1407.04 | 40.74 | 26 | 66 | 216 | 23.7 | 9.41 |
| 530400291 | PREDICTED: protein phosphatase 1 regulatory subunit 12A isoform X9 [Homo sapiens] | 16.65 | 11 | 7 | 16 | 41 | 1.046 | 9 | 6.6 | 1.179 | 9 | 10.3 | 851.84 | 16.65 | 32 | 41 | 931 | 105.6 | 5.47 |
| 33239451 | proliferating cell nuclear antigen [Homo sapiens] | 26.05 | 1 | 3 | 5 | 16 | 1.046 | 3 | 1.0 | 1.032 | 3 | 14.4 | 397.62 | 26.05 | 13 | 16 | 261 | 28.8 | 4.69 |
| 4885413 | histidine triad nucleotide-binding protein 1 [Homo sapiens] | 63.49 | 1 | 5 | 6 | 28 | 1.045 | 7 | 9.4 | 1.153 | 7 | 21.6 | 865.48 | 63.49 | 17 | 28 | 126 | 13.8 | 6.95 |
| 5453599 | F-actin-capping protein subunit alpha-2 [Homo sapiens] | 48.25 | 5 | 5 | 9 | 113 | 1.045 | 10 | 6.3 | 1.101 | 10 | 9.0 | 3428.27 | 48.25 | 26 | 113 | 286 | 32.9 | 5.85 |
| 158937236 | puromycin-sensitive aminopeptidase [Homo sapiens] | 17.41 | 8 | 12 | 15 | 57 | 1.045 | 17 | 4.3 | 1.185 | 17 | 16.3 | 1845.57 | 17.41 | 40 | 57 | 919 | 103.2 | 5.72 |
| 5032133 | eukaryotic translation initiation factor 1 [Homo sapiens] | 25.66 | 2 | 1 | 3 | 9 | 1.045 | 1 |  | 1.513 | 1 |  | 154.39 | 25.66 | 9 | 9 | 113 | 12.7 | 7.44 |
| 21361399 | serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform [Homo sap | 27.67 | 11 | 10 | 13 | 49 | 1.045 | 14 | 6.9 | 1.283 | 14 | 17.3 | 1615.79 | 27.67 | 33 | 49 | 589 | 65.3 | 5.11 |
| 13027604 | 28S ribosomal protein S34, mitochondrial [Homo sapiens] | 3.21 | 3 | 1 | 1 | 1 | 1.045 | 1 |  | 1.105 | 1 |  | 22.66 | 3.21 | 1 | 1 | 218 | 25.6 | 9.98 |
| 4506649 | 60S ribosomal protein L3 isoform a [Homo sapiens] | 7.94 | 1 | 1 | 6 | 28 | 1.045 | 1 |  | 1.207 | 1 |  | 68.83 | 7.94 | 13 | 28 | 403 | 46.1 | 10.18 |
| 55749431 | transcription elongation factor A protein-like 3 [Homo sapiens] | 18.00 | 2 | 2 | 3 | 10 | 1.044 | 3 | 10.4 | 1.161 | 3 | 5.6 | 398.25 | 18.00 | 7 | 10 | 200 | 22.5 | 4.92 |
| 22202633 | prefoldin subunit 5 isoform alpha [Homo sapiens] | 32.47 | 1 | 1 | 3 | 7 | 1.044 | 1 |  | 0.698 | 1 |  | 136.39 | 32.47 | 6 | 7 | 154 | 17.3 | 6.33 |
| 325651836 | SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A membe | 7.70 | 1 | 1 | 7 | 16 | 1.044 | 1 |  | 1.317 | 1 |  | 179.35 | 7.70 | 11 | 16 | 1052 | 121.8 | 8.09 |
| 32484979 | AP-3 complex subunit beta-1 isoform 1 [Homo sapiens] | 9.87 | 3 | 2 | 11 | 27 | 1.044 | 2 | 2.9 | 0.926 | 2 | 29.3 | 284.58 | 9.87 | 20 | 27 | 1094 | 121.2 | 6.04 |
| 13259510 | dynactin subunit 1 isoform 1 [Homo sapiens] | 6.34 | 6 | 2 | 9 | 60 | 1.044 | 3 | 1.7 | 1.143 | 3 | 2.9 | 465.29 | 6.34 | 22 | 60 | 1278 | 141.6 | 5.81 |
| 578835493 | PREDICTED: glycogen phosphorylase, brain form isoform X1 [Homo sapiens] | 12.69 | 1 | 1 | 9 | 58 | 1.044 | 1 |  | 1.187 | 1 |  | 1952.14 | 12.69 | 24 | 58 | 843 | 96.6 | 6.86 |
| 350529338 | protein sel-1 homolog 1 isoform 2 precursor [Homo sapiens] | 15.61 | 4 | 1 | 3 | 6 | 1.043 | 1 |  | 1.267 | 1 |  | 109.72 | 15.61 | 5 | 6 | 301 | 33.5 | 4.83 |
| 7661728 | ragulator complex protein LAMTOR2 isoform 1 [Homo sapiens] | 32.00 | 2 | 3 | 3 | 21 | 1.043 | 3 | 2.8 | 1.108 | 3 | 14.7 | 263.58 | 32.00 | 9 | 21 | 125 | 13.5 | 5.40 |
| 578803042 | PREDICTED: baculoviral IAP repeat-containing protein 6 isoform X7 [Homo sapiens] | 2.85 | 12 | 1 | 12 | 24 | 1.043 | 1 |  | 1.195 | 1 |  | 36.64 | 2.85 | 14 | 24 | 4840 | 528.0 | 6.13 |
| 344179112 | scavenger receptor cysteine-rich type 1 protein M130 isoform b precursor [Homo sapiens] | 4.46 | 16 | 3 | 5 | 13 | 1.043 | 2 | 12.8 | 1.124 | 2 | 39.4 | 174.92 | 4.46 | 11 | 13 | 1121 | 121.5 | 6.11 |
| 33356174 | pinin [Homo sapiens] | 4.74 | 1 | 1 | 6 | 9 | 1.043 | 1 |  | 1.093 | 1 |  | 120.58 | 4.74 | 9 | 9 | 717 | 81.6 | 7.14 |
| 315259111 | NEDD8-MDP1 protein [Homo sapiens] | 21.76 | 4 | 1 | 4 | 21 | 1.043 | 1 |  | 0.872 | 1 |  | 534.26 | 21.76 | 9 | 21 | 193 | 22.0 | 6.37 |
| 530362892 | PREDICTED: leucine-rich repeat-containing protein 8D isoform X1 [Homo sapiens] | 3.15 | 1 | 1 | 3 | 9 | 1.043 | 1 |  | **2.303** | 1 |  | 27.45 | 3.15 | 3 | 9 | 858 | 98.1 | 7.72 |
| 82617634 | cytoplasmic FMR1-interacting protein 2 isoform a [Homo sapiens] | 9.98 | 5 | 6 | 13 | 46 | 1.043 | 8 | 6.9 | 1.285 | 8 | 17.3 | 1006.21 | 9.98 | 26 | 46 | 1253 | 145.6 | 7.05 |
| 41406084 | glutathione peroxidase 1 isoform 1 [Homo sapiens] | 29.56 | 2 | 4 | 4 | 15 | 1.043 | 5 | 10.7 | 1.200 | 5 | 17.8 | 334.33 | 29.56 | 12 | 15 | 203 | 22.1 | 6.55 |
| 195539395 | 26S protease regulatory subunit 10B [Homo sapiens] | 16.13 | 1 | 2 | 6 | 18 | 1.043 | 3 | 14.6 | 1.375 | 2 | 34.7 | 279.57 | 16.13 | 12 | 18 | 403 | 45.8 | 7.78 |
| 564473387 | actin-related protein 2/3 complex subunit 3 isoform 2 [Homo sapiens] | 43.50 | 2 | 9 | 9 | 89 | 1.042 | 26 | 9.2 | 1.115 | 25 | 15.0 | 2057.46 | 43.50 | 27 | 89 | 177 | 20.4 | 8.78 |
| 71051616 | uroporphyrinogen decarboxylase [Homo sapiens] | 21.80 | 2 | 2 | 3 | 17 | 1.042 | 2 | 16.2 | 1.609 | 2 | 14.0 | 284.27 | 21.80 | 6 | 17 | 367 | 40.8 | 6.14 |
| 523704487 | ubiquitin-like-conjugating enzyme ATG3 isoform 2 [Homo sapiens] | 7.40 | 2 | 2 | 2 | 6 | 1.042 | 2 | 8.5 | 1.216 | 2 | 3.3 | 322.82 | 7.40 | 6 | 6 | 311 | 35.4 | 4.79 |
| 68509926 | putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15 [Homo sapiens] | 6.79 | 6 | 5 | 5 | 18 | 1.042 | 7 | 15.7 | 1.200 | 7 | 11.4 | 341.33 | 6.79 | 13 | 18 | 795 | 90.9 | 7.46 |
| 38788353 | ragulator complex protein LAMTOR5 [Homo sapiens] | 32.95 | 1 | 2 | 4 | 14 | 1.042 | 4 | 3.7 | 1.096 | 4 | 7.6 | 357.75 | 32.95 | 8 | 14 | 173 | 18.1 | 5.50 |
| 14574568 | allograft inflammatory factor 1 isoform 3 [Homo sapiens] | 36.05 | 17 | 3 | 6 | 28 | 1.042 | 6 | 11.1 | 1.352 | 6 | 8.1 | 918.08 | 36.05 | 14 | 28 | 147 | 16.7 | 6.24 |
| 4504111 | growth factor receptor-bound protein 2 isoform 1 [Homo sapiens] | 39.17 | 2 | 7 | 8 | 54 | 1.042 | 18 | 6.8 | 1.263 | 18 | 15.1 | 2305.64 | 39.17 | 21 | 54 | 217 | 25.2 | 6.32 |
| 578837826 | PREDICTED: motile sperm domain-containing protein 2 isoform X2 [Homo sapiens] | 4.00 | 4 | 1 | 2 | 4 | 1.042 | 1 |  | 1.119 | 1 |  | 157.82 | 4.00 | 4 | 4 | 475 | 54.5 | 5.83 |
| 336176066 | RNA-binding protein 39 isoform d [Homo sapiens] | 8.96 | 5 | 1 | 5 | 25 | 1.042 | 2 | 4.0 | 1.169 | 2 | 3.9 | 227.44 | 8.96 | 7 | 25 | 502 | 56.3 | 10.04 |
| 38327039 | heat shock 70 kDa protein 4 [Homo sapiens] | 34.40 | 1 | 17 | 22 | 82 | 1.042 | 24 | 5.8 | 1.067 | 24 | 11.7 | 3029.01 | 34.40 | 54 | 82 | 840 | 94.3 | 5.19 |
| 219521928 | DIS3-like exonuclease 1 isoform 1 [Homo sapiens] | 3.04 | 4 | 1 | 4 | 13 | 1.042 | 1 |  | 1.102 | 1 |  | 20.94 | 3.04 | 4 | 13 | 1054 | 120.7 | 6.54 |
| 21450861 | attractin isoform 1 preproprotein [Homo sapiens] | 9.73 | 5 | 8 | 12 | 44 | 1.042 | 13 | 6.4 | 1.299 | 13 | 25.9 | 1128.30 | 9.73 | 30 | 44 | 1429 | 158.4 | 7.31 |
| 388890228 | chitotriosidase-1 isoform 2 precursor [Homo sapiens] | 11.41 | 3 | 3 | 4 | 12 | 1.042 | 4 | 3.6 | 1.417 | 4 | 23.0 | 342.14 | 11.41 | 10 | 12 | 447 | 49.6 | 6.19 |
| 6005846 | twinfilin-2 [Homo sapiens] | 44.99 | 1 | 8 | 11 | 47 | 1.041 | 13 | 8.2 | 1.054 | 12 | 25.3 | 1805.88 | 44.99 | 30 | 47 | 349 | 39.5 | 6.84 |
| 145309300 | cyclin-dependent kinase 13 isoform 2 [Homo sapiens] | 3.72 | 93 | 1 | 7 | 99 | 1.041 | 1 |  | 1.206 | 1 |  | 124.03 | 3.72 | 16 | 99 | 1452 | 158.3 | 9.70 |
| 526253086 | endothelial differentiation-related factor 1 isoform 3 [Homo sapiens] | 17.73 | 5 | 1 | 3 | 18 | 1.041 | 2 | 13.4 | 1.340 | 2 | 12.9 | 278.23 | 17.73 | 8 | 18 | 141 | 15.6 | 9.88 |
| 578812566 | PREDICTED: SAM and SH3 domain-containing protein 1 isoform X3 [Homo sapiens] | 2.43 | 7 | 1 | 3 | 10 | 1.041 | 1 |  | 1.409 | 1 |  | 132.27 | 2.43 | 5 | 10 | 1235 | 136.0 | 7.42 |
| 14670392 | tyrosine-protein kinase BAZ1B [Homo sapiens] | 4.05 | 2 | 1 | 7 | 36 | 1.041 | 1 |  | 1.060 | 1 |  | 125.60 | 4.05 | 11 | 36 | 1483 | 170.8 | 8.48 |
| 530391071 | PREDICTED: heterogeneous nuclear ribonucleoprotein K isoform X7 [Homo sapiens] | 38.95 | 4 | 15 | 15 | 78 | 1.041 | 26 | 8.1 | 1.163 | 26 | 10.4 | 3024.57 | 38.95 | 44 | 78 | 439 | 48.5 | 5.92 |
| 210147567 | glutamate-rich protein 6B [Homo sapiens] | 2.30 | 1 | 1 | 2 | 6 | 1.041 | 1 |  | 1.742 | 1 |  | 37.80 | 2.30 | 4 | 6 | 696 | 81.6 | 4.75 |
| 62912474 | leucine-rich repeat-containing G-protein coupled receptor 6 isoform 3 [Homo sapiens] | 1.45 | 5 | 1 | 1 | 8 | 1.041 | 2 | 14.9 | 1.112 | 2 | 48.5 | 106.27 | 1.45 | 2 | 8 | 828 | 89.2 | 5.99 |
| 194018472 | plasma serine protease inhibitor preproprotein [Homo sapiens] | 7.64 | 1 | 1 | 3 | 9 | 1.040 | 1 |  | 1.506 | 1 |  | 76.06 | 7.64 | 6 | 9 | 406 | 45.6 | 9.26 |
| 289063395 | pro-interleukin-16 isoform 3 [Homo sapiens] | 9.84 | 7 | 7 | 11 | 35 | 1.040 | 7 | 3.0 | 1.281 | 7 | 22.0 | 819.46 | 9.84 | 31 | 35 | 1331 | 141.6 | 8.06 |
| 4507951 | 14-3-3 protein eta [Homo sapiens] | 71.95 | 1 | 11 | 20 | 223 | 1.040 | 26 | 6.7 | 1.120 | 26 | 19.8 | 5522.32 | 71.95 | 56 | 223 | 246 | 28.2 | 4.84 |
| 340138932 | apolipoprotein B receptor [Homo sapiens] | 13.86 | 1 | 9 | 12 | 47 | 1.040 | 13 | 3.0 | 1.182 | 13 | 12.5 | 2154.74 | 13.86 | 30 | 47 | 1097 | 115.6 | 4.40 |
| 530388906 | PREDICTED: polyadenylate-binding protein 1 isoform X1 [Homo sapiens] | 10.69 | 5 | 2 | 5 | 13 | 1.040 | 3 | 1.7 | 0.916 | 3 | 4.3 | 540.60 | 10.69 | 9 | 13 | 636 | 70.6 | 9.50 |
| 530424154 | PREDICTED: zinc finger protein 319 isoform X1 [Homo sapiens] | 2.23 | 1 | 1 | 2 | 6 | 1.040 | 3 | 1.9 | 1.860 | 3 | 3.6 | 42.26 | 2.23 | 2 | 6 | 582 | 65.5 | 8.37 |
| 40217847 | U5 small nuclear ribonucleoprotein 200 kDa helicase [Homo sapiens] | 6.51 | 1 | 2 | 12 | 27 | 1.040 | 4 | 5.4 | 1.088 | 4 | 26.5 | 749.85 | 6.51 | 18 | 27 | 2136 | 244.4 | 6.06 |
| 11056036 | tubulin--tyrosine ligase-like protein 12 [Homo sapiens] | 20.34 | 1 | 8 | 10 | 36 | 1.040 | 9 | 5.6 | 1.263 | 9 | 30.3 | 1090.34 | 20.34 | 28 | 36 | 644 | 74.4 | 5.53 |
| 8923541 | UPF0587 protein C1orf123 [Homo sapiens] | 31.25 | 1 | 3 | 4 | 15 | 1.040 | 3 | 1.6 | 1.047 | 3 | 9.1 | 147.68 | 31.25 | 10 | 15 | 160 | 18.0 | 5.01 |
| 40217843 | cartilage oligomeric matrix protein precursor [Homo sapiens] | 5.81 | 1 | 2 | 2 | 6 | 1.040 | 2 | 10.5 | 0.961 | 2 | 5.4 | 302.57 | 5.81 | 6 | 6 | 757 | 82.8 | 4.60 |
| 24430151 | 26S protease regulatory subunit 4 [Homo sapiens] | 14.55 | 1 | 3 | 6 | 15 | 1.040 | 2 | 12.4 | 1.654 | 2 | 43.8 | 359.92 | 14.55 | 15 | 15 | 440 | 49.2 | 6.21 |
| 38016911 | erythrocyte band 7 integral membrane protein isoform a [Homo sapiens] | 12.85 | 4 | 3 | 4 | 12 | 1.040 | 4 | 6.1 | 1.097 | 4 | 10.1 | 535.02 | 12.85 | 9 | 12 | 288 | 31.7 | 7.88 |
| 401709950 | ubiquitin carboxyl-terminal hydrolase isozyme L3 isoform 1 [Homo sapiens] | 25.77 | 4 | 4 | 5 | 12 | 1.039 | 4 | 0.2 | 1.102 | 4 | 5.4 | 363.58 | 25.77 | 12 | 12 | 194 | 21.9 | 4.93 |
| 578825689 | PREDICTED: serpin A11 isoform X1 [Homo sapiens] | 6.42 | 1 | 1 | 2 | 6 | 1.039 | 1 |  | 1.050 | 1 |  | 79.02 | 6.42 | 4 | 6 | 218 | 24.5 | 8.16 |
| 76880486 | activating signal cointegrator 1 complex subunit 3 isoform a [Homo sapiens] | 3.77 | 2 | 1 | 7 | 23 | 1.039 | 7 | 4.7 | 1.136 | 7 | 8.9 | 214.73 | 3.77 | 9 | 23 | 2202 | 251.3 | 7.09 |
| 212276104 | leucine-rich repeat flightless-interacting protein 1 isoform 5 [Homo sapiens] | 31.25 | 64 | 18 | 20 | 106 | 1.039 | 30 | 6.9 | 1.174 | 30 | 19.1 | 4234.81 | 31.25 | 57 | 106 | 752 | 82.6 | 4.61 |
| 578798984 | PREDICTED: ubiA prenyltransferase domain-containing protein 1 isoform X1 [Homo sapiens] | 11.37 | 2 | 1 | 3 | 10 | 1.039 | 2 | 6.8 | **23.501** | 2 | 204.2 | 56.71 | 11.37 | 5 | 10 | 211 | 22.8 | 7.72 |
| 22538467 | proteasome subunit beta type-4 [Homo sapiens] | 40.91 | 1 | 6 | 7 | 33 | 1.039 | 9 | 10.7 | 1.110 | 9 | 9.7 | 1233.46 | 40.91 | 19 | 33 | 264 | 29.2 | 5.97 |
| 21237808 | SWI/SNF complex subunit SMARCC2 isoform b [Homo sapiens] | 2.83 | 7 | 2 | 4 | 9 | 1.038 | 2 | 11.2 | 1.071 | 2 | 7.6 | 219.85 | 2.83 | 9 | 9 | 1130 | 124.8 | 5.55 |
| 530417087 | PREDICTED: U1 small nuclear ribonucleoprotein 70 kDa isoform X2 [Homo sapiens] | 7.94 | 2 | 2 | 5 | 11 | 1.038 | 2 | 12.7 | 1.044 | 2 | 9.9 | 101.38 | 7.94 | 9 | 11 | 428 | 50.6 | 9.89 |
| 94536842 | ribose-5-phosphate isomerase [Homo sapiens] | 26.05 | 1 | 5 | 7 | 17 | 1.038 | 5 | 6.4 | 1.096 | 5 | 0.8 | 637.59 | 26.05 | 17 | 17 | 311 | 33.2 | 8.54 |
| 5454052 | 14-3-3 protein sigma [Homo sapiens] | 43.95 | 1 | 5 | 11 | 108 | 1.038 | 11 | 14.6 | 1.106 | 11 | 7.7 | 3049.92 | 43.95 | 32 | 108 | 248 | 27.8 | 4.74 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 578800460 | PREDICTED: complement factor H-related protein 4 isoform X6 [Homo sapiens] | 2.89 | 10 | 1 | 2 | 6 | 1.038 | 1 | | 1.045 | 1 | | 147.89 | 2.89 | 4 | 6 | 519 | 58.5 | 4.94 |
| 5031569 | alpha-centractin [Homo sapiens] | 32.18 | 2 | 3 | 10 | 45 | 1.038 | 5 | 5.1 | 1.133 | 5 | 11.1 | 1433.25 | 32.18 | 28 | 45 | 376 | 42.6 | 6.64 |
| 530411140 | PREDICTED: zinc finger protein 207 isoform X3 [Homo sapiens] | 6.44 | 6 | 1 | 2 | 4 | 1.038 | 1 | | 1.101 | 1 | | 126.57 | 6.44 | 4 | 4 | 466 | 49.6 | 8.48 |
| 151101404 | prothymosin alpha isoform 2 [Homo sapiens] | 27.27 | 25 | 4 | 5 | 35 | 1.038 | 10 | 9.6 | 1.342 | 9 | 7.8 | 1517.58 | 27.27 | 15 | 35 | 110 | 12.1 | 3.79 |
| 67190748 | complement C4-A isoform 1 preproprotein [Homo sapiens] | 72.36 | 21 | 3 | 103 | 1598 | 1.038 | 10 | 14.7 | 0.982 | 8 | 95.4 | 56962.48 | 72.36 | 302 | 1598 | 1744 | 192.7 | 7.08 |
| 530406751 | PREDICTED: ubiquitin carboxyl-terminal hydrolase 3 isoform X3 [Homo sapiens] | 1.99 | 7 | 1 | 1 | 1 | 1.038 | 1 | | 0.973 | 1 | | 26.11 | 1.99 | 1 | 1 | 351 | 40.1 | 7.75 |
| 530420490 | PREDICTED: apolipoprotein L1 isoform X2 [Homo sapiens] | 31.05 | 4 | 9 | 10 | 47 | 1.038 | 14 | 9.3 | 1.093 | 13 | 16.9 | 1687.30 | 31.05 | 28 | 47 | 380 | 42.1 | 5.80 |
| 189181666 | beta-hexosaminidase subunit alpha preproprotein [Homo sapiens] | 7.94 | 1 | 1 | 3 | 11 | 1.038 | 1 | | 1.196 | 1 | | 126.34 | 7.94 | 9 | 11 | 529 | 60.7 | 5.16 |
| 295821193 | serum amyloid A-1 protein preproprotein [Homo sapiens] | 77.05 | 11 | 3 | 11 | 131 | 1.038 | 15 | 3.0 | 1.134 | 15 | 22.5 | 5490.18 | 77.05 | 33 | 131 | 122 | 13.5 | 6.79 |
| 4759212 | tubulin-specific chaperone A isoform 2 [Homo sapiens] | 66.67 | 1 | 10 | 11 | 43 | 1.038 | 14 | 7.4 | 1.138 | 14 | 8.1 | 1668.65 | 66.67 | 31 | 43 | 108 | 12.8 | 5.29 |
| 222136639 | C-1-tetrahydrofolate synthase, cytoplasmic [Homo sapiens] | 10.37 | 1 | 7 | 9 | 25 | 1.037 | 7 | 2.9 | 1.119 | 7 | 13.0 | 716.82 | 10.37 | 25 | 25 | 935 | 101.5 | 7.30 |
| 530397480 | PREDICTED: phosphatidylinositol-binding clathrin assembly protein isoform X19 [Homo sapiens | 5.48 | 26 | 2 | 3 | 11 | 1.037 | 3 | 3.1 | 1.160 | 3 | 3.7 | 498.54 | 5.48 | 7 | 11 | 547 | 59.7 | 8.70 |
| 578821054 | PREDICTED: protein argonaute 12-like [Homo sapiens] | 3.00 | 1 | 1 | 1 | 2 | 1.037 | 1 | | 1.219 | 1 | | 39.86 | 3.00 | 2 | 2 | 233 | 24.2 | 11.09 |
| 400974227 | janus kinase and microtubule-interacting protein 2 isoform 2 [Homo sapiens] | 9.51 | 4 | 1 | 9 | 25 | 1.037 | 4 | 5.7 | 1.183 | 4 | 7.5 | 335.02 | 9.51 | 13 | 25 | 799 | 93.6 | 5.97 |
| 4505145 | NAD-dependent malic enzyme, mitochondrial isoform 1 precursor [Homo sapiens] | 5.65 | 1 | 1 | 3 | 6 | 1.037 | 1 | | 1.115 | 1 | | 291.48 | 5.65 | 6 | 6 | 584 | 65.4 | 7.61 |
| 530371163 | PREDICTED: UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7 isoform X1 [Hom | 8.23 | 2 | 1 | 2 | 2 | 1.037 | 1 | | 1.032 | 1 | | 32.39 | 8.23 | 2 | 2 | 328 | 37.9 | 8.57 |
| 530360487 | PREDICTED: protein DJ-1 isoform X1 [Homo sapiens] | 89.95 | 1 | 17 | 18 | 225 | 1.037 | 66 | 8.8 | 1.196 | 66 | 21.0 | 9052.38 | 89.95 | 52 | 225 | 189 | 19.9 | 6.79 |
| 148746218 | serine/threonine-protein kinase TAO3 [Homo sapiens] | 10.13 | 3 | 1 | 10 | 53 | 1.037 | 1 | | 1.186 | 1 | | 175.80 | 10.13 | 17 | 53 | 898 | 105.3 | 7.30 |
| 4758442 | glia maturation factor beta [Homo sapiens] | 26.76 | 3 | 1 | 4 | 37 | 1.036 | 1 | | 1.154 | 1 | | 1220.35 | 26.76 | 10 | 37 | 142 | 16.7 | 5.29 |
| 530370277 | PREDICTED: 60 kDa heat shock protein, mitochondrial isoform X1 [Homo sapiens] | 7.68 | 1 | 2 | 4 | 13 | 1.036 | 3 | 11.1 | 1.114 | 3 | 18.8 | 554.65 | 7.68 | 10 | 13 | 573 | 61.0 | 5.87 |
| 578837225 | PREDICTED: armadillo repeat protein deleted in velo-cardio-facial syndrome isoform X12 [Hom | 5.49 | 3 | 1 | 4 | 9 | 1.036 | 2 | 10.0 | 1.582 | 2 | 18.4 | 70.59 | 5.49 | 5 | 9 | 656 | 71.3 | 6.24 |
| 167234419 | thyroid hormone receptor-associated protein 3 [Homo sapiens] | 6.07 | 1 | 1 | 6 | 15 | 1.036 | 2 | 1.0 | 1.065 | 2 | 5.4 | 480.77 | 6.07 | 12 | 15 | 955 | 108.6 | 10.15 |
| 70980549 | protein RRP5 homolog [Homo sapiens] | 2.51 | 2 | 1 | 5 | 11 | 1.036 | 1 | | 1.596 | 1 | | 25.07 | 2.51 | 5 | 11 | 1871 | 208.6 | 8.87 |
| 28827815 | protein S100-A7A [Homo sapiens] | 53.47 | 1 | 1 | 5 | 105 | 1.036 | 1 | | 1.411 | 1 | | 2841.74 | 53.47 | 14 | 105 | 101 | 11.3 | 7.44 |
| 14149627 | ubiquitin carboxyl-terminal hydrolase 15 isoform 2 [Homo sapiens] | 7.88 | 5 | 3 | 9 | 42 | 1.036 | 3 | 2.2 | 1.107 | 3 | 5.8 | 294.59 | 7.88 | 19 | 42 | 952 | 109.2 | 5.15 |
| 578836895 | PREDICTED: protein kinase C and casein kinase substrate in neurons protein 2 isoform X5 [Hom | 20.22 | 8 | 6 | 11 | 39 | 1.036 | 7 | 9.9 | 1.236 | 7 | 3.2 | 684.69 | 20.22 | 23 | 39 | 445 | 51.1 | 5.24 |
| 4507509 | metalloproteinase inhibitor 1 precursor [Homo sapiens] | 11.11 | 1 | 1 | 2 | 5 | 1.036 | 1 | | 1.220 | 1 | | 171.85 | 11.11 | 5 | 5 | 207 | 23.2 | 8.10 |
| 32313593 | olfactomedin-4 precursor [Homo sapiens] | 21.18 | 2 | 10 | 10 | 43 | 1.036 | 13 | 5.2 | 1.140 | 13 | 9.7 | 1714.96 | 21.18 | 30 | 43 | 510 | 57.2 | 5.69 |
| 532164704 | cleft lip and palate transmembrane protein 1 isoform 3 [Homo sapiens] | 5.50 | 1 | 1 | 3 | 8 | 1.036 | 2 | 3.9 | 1.121 | 2 | 5.6 | 33.43 | 5.50 | 4 | 8 | 655 | 75.1 | 6.64 |
| 195927020 | calcium-binding protein 39 [Homo sapiens] | 40.47 | 1 | 7 | 12 | 66 | 1.035 | 10 | 6.2 | 1.188 | 10 | 13.8 | 1144.05 | 40.47 | 33 | 66 | 341 | 39.8 | 6.89 |
| 6978649 | choline/ethanolamine kinase [Homo sapiens] | 3.54 | 1 | 1 | 1 | 3 | 1.035 | 1 | | 1.662 | 1 | | 66.81 | 3.54 | 3 | 3 | 395 | 45.2 | 5.49 |
| 5729953 | nuclear migration protein nudC [Homo sapiens] | 6.95 | 1 | 1 | 3 | 11 | 1.035 | 1 | | 1.159 | 1 | | 116.33 | 6.95 | 7 | 11 | 331 | 38.2 | 5.38 |
| 520975489 | ran-specific GTPase-activating protein isoform 4 [Homo sapiens] | 36.67 | 6 | 2 | 5 | 20 | 1.035 | 3 | 4.4 | 1.087 | 3 | 5.7 | 319.05 | 36.67 | 11 | 20 | 150 | 17.5 | 8.24 |
| 530410969 | PREDICTED: fructose-bisphosphate aldolase C isoform X3 [Homo sapiens] | 48.90 | 3 | 9 | 20 | 168 | 1.035 | 11 | 7.5 | 1.143 | 11 | 5.3 | 5348.11 | 48.90 | 56 | 168 | 364 | 39.4 | 6.87 |
| 21361794 | cullin-associated NEDD8-dissociated protein 1 [Homo sapiens] | 19.35 | 1 | 13 | 22 | 56 | 1.035 | 15 | 6.6 | 1.083 | 15 | 27.7 | 1515.88 | 19.35 | 49 | 56 | 1230 | 136.3 | 5.78 |
| 4826659 | F-actin-capping protein subunit beta isoform 1 [Homo sapiens] | 67.65 | 5 | 19 | 19 | 193 | 1.035 | 67 | 7.6 | 1.202 | 66 | 19.8 | 7179.30 | 67.65 | 57 | 193 | 272 | 30.6 | 6.00 |
| 530385095 | PREDICTED: src kinase-associated phosphoprotein 2 isoform X1 [Homo sapiens] | 25.35 | 1 | 8 | 8 | 42 | 1.035 | 14 | 7.5 | 1.235 | 14 | 12.3 | 1633.03 | 25.35 | 23 | 42 | 359 | 41.2 | 4.69 |
| 578838720 | PREDICTED: uncharacterized protein KIAA1210 isoform X1 [Homo sapiens] | 1.89 | 2 | 1 | 4 | 4 | 1.035 | 1 | | 1.241 | 1 | | 25.04 | 1.89 | 4 | 4 | 1533 | 167.9 | 8.53 |
| 5803227 | 14-3-3 protein theta [Homo sapiens] | 63.67 | 1 | 9 | 17 | 161 | 1.035 | 18 | 10.3 | 1.175 | 18 | 14.8 | 5422.04 | 63.67 | 51 | 161 | 245 | 27.7 | 4.78 |
| 578810593 | PREDICTED: calpastatin isoform X11 [Homo sapiens] | 27.89 | 24 | 15 | 18 | 66 | 1.035 | 21 | 8.8 | 1.134 | 21 | 7.2 | 1658.40 | 27.89 | 44 | 66 | 735 | 78.8 | 5.05 |
| 21040371 | ATP-dependent RNA helicase DDX39A [Homo sapiens] | 18.74 | 2 | 1 | 7 | 46 | 1.034 | 1 | | 0.656 | 1 | | 1099.54 | 18.74 | 20 | 46 | 427 | 49.1 | 5.68 |
| 4557323 | apolipoprotein C-III precursor [Homo sapiens] | 34.34 | 1 | 3 | 3 | 35 | 1.034 | 13 | 8.8 | 1.400 | 13 | 18.7 | 1845.37 | 34.34 | 9 | 35 | 99 | 10.8 | 5.41 |
| 5902102 | small nuclear ribonucleoprotein Sm D1 isoform 1 [Homo sapiens] | 54.62 | 2 | 4 | 4 | 38 | 1.034 | 9 | 7.8 | 1.259 | 9 | 6.5 | 770.96 | 54.62 | 12 | 38 | 119 | 13.3 | 11.56 |
| 56682959 | ferritin heavy chain [Homo sapiens] | 66.12 | 1 | 10 | 12 | 105 | 1.034 | 30 | 9.7 | 1.100 | 30 | 11.1 | 2930.55 | 66.12 | 35 | 105 | 183 | 21.2 | 5.55 |
| 334724455 | acetyl-coenzyme A synthetase, cytoplasmic isoform 3 [Homo sapiens] | 3.96 | 9 | 1 | 4 | 28 | 1.034 | 2 | 0.9 | 1.101 | 2 | 0.7 | 321.61 | 3.96 | 8 | 28 | 606 | 67.6 | 6.15 |
| 260436860 | AP-1 complex subunit beta-1 isoform b [Homo sapiens] | 17.68 | 3 | 4 | 14 | 44 | 1.034 | 5 | 8.5 | 1.230 | 5 | 13.8 | 752.07 | 17.68 | 35 | 44 | 939 | 103.5 | 5.16 |
| 401461824 | trafficking protein particle complex subunit 3 isoform 3 [Homo sapiens] | 5.97 | 3 | 1 | 1 | 2 | 1.034 | 1 | | 1.434 | 1 | | 31.19 | 5.97 | 1 | 2 | 134 | 15.0 | 4.88 |
| 530361541 | PREDICTED: inaD-like protein isoform X5 [Homo sapiens] | 5.57 | 8 | 1 | 9 | 33 | 1.033 | 4 | 6.6 | 1.184 | 4 | 7.3 | 268.04 | 5.57 | 14 | 33 | 1454 | 160.1 | 4.87 |
| 4503507 | eukaryotic translation initiation factor 2 subunit 3 [Homo sapiens] | 4.24 | 1 | 2 | 3 | 7 | 1.033 | 2 | 0.5 | 1.247 | 2 | 13.1 | 87.87 | 4.24 | 7 | 7 | 472 | 51.1 | 8.40 |
| 13569962 | ras-related protein Rab-1B [Homo sapiens] | 41.79 | 21 | 2 | 7 | 60 | 1.033 | 6 | 3.6 | 1.182 | 6 | 14.1 | 2735.97 | 41.79 | 21 | 60 | 201 | 22.2 | 5.73 |
| 530379378 | PREDICTED: phosphatidylinositol 3-kinase regulatory subunit alpha isoform X1 [Homo sapiens] | 4.56 | 4 | 1 | 4 | 9 | 1.033 | 1 | | 1.136 | 1 | | 30.86 | 4.56 | 6 | 9 | 724 | 83.5 | 6.16 |
| 530422933 | PREDICTED: zinc finger protein 185 isoform X16 [Homo sapiens] | 8.10 | 19 | 1 | 5 | 10 | 1.033 | 1 | | 1.157 | 1 | | 92.78 | 8.10 | 9 | 10 | 630 | 67.2 | 7.01 |
| 62122917 | filaggrin-2 [Homo sapiens] | 2.17 | 1 | 1 | 4 | 8 | 1.033 | 1 | | 1.093 | 1 | | 91.02 | 2.17 | 6 | 8 | 2391 | 247.9 | 8.31 |
| 578820364 | PREDICTED: AP-2 complex subunit alpha-2 isoform X3 [Homo sapiens] | 8.71 | 4 | 2 | 7 | 20 | 1.033 | 2 | 0.6 | 1.402 | 2 | 26.0 | 421.83 | 8.71 | 14 | 20 | 941 | 104.3 | 6.80 |
| 62912466 | C4b-binding protein beta chain isoform 2 precursor [Homo sapiens] | 23.11 | 3 | 5 | 5 | 26 | 1.033 | 9 | 2.8 | 1.403 | 9 | 8.5 | 730.78 | 23.11 | 15 | 26 | 251 | 28.3 | 5.14 |
| 530364287 | PREDICTED: coagulation factor XIII B chain isoform X1 [Homo sapiens] | 13.03 | 3 | 6 | 7 | 31 | 1.033 | 9 | 2.2 | 1.217 | 9 | 19.6 | 957.27 | 13.03 | 18 | 31 | 660 | 75.3 | 6.48 |
| 120433590 | acyl-CoA-binding protein isoform 3 [Homo sapiens] | 72.41 | 7 | 4 | 7 | 45 | 1.033 | 13 | 4.7 | 1.019 | 13 | 13.2 | 1436.88 | 72.41 | 18 | 45 | 87 | 10.0 | 6.57 |
| 55770902 | opioid growth factor receptor-like protein 1 [Homo sapiens] | 15.74 | 7 | 2 | 7 | 17 | 1.033 | 3 | 10.2 | 1.072 | 3 | 3.7 | 598.81 | 15.74 | 13 | 17 | 451 | 51.2 | 6.13 |
| 9910460 | omega-amidase NIT2 [Homo sapiens] | 47.83 | 1 | 9 | 10 | 28 | 1.033 | 9 | 3.5 | 1.117 | 9 | 21.7 | 1046.22 | 47.83 | 26 | 28 | 276 | 30.6 | 7.21 |
| 13124873 | core-binding factor subunit beta isoform 2 [Homo sapiens] | 20.88 | 4 | 4 | 4 | 15 | 1.033 | 4 | 5.2 | 1.080 | 4 | 9.7 | 365.23 | 20.88 | 12 | 15 | 182 | 21.5 | 6.60 |
| 530381587 | PREDICTED: FYVE, RhoGEF and PH domain-containing protein 2 isoform X1 [Homo sapiens] | 2.74 | 2 | 1 | 2 | 3 | 1.033 | 1 | | | | | 34.76 | 2.74 | 2 | 3 | 620 | 70.8 | 7.30 |
| 195976777 | dysferlin isoform 3 [Homo sapiens] | 3.34 | 16 | 1 | 7 | 26 | 1.032 | 3 | 4.6 | 1.066 | 3 | 1.3 | 525.31 | 3.34 | 11 | 26 | 2067 | 235.8 | 5.82 |
| 167900484 | pentraxin-related protein PTX3 precursor [Homo sapiens] | 13.65 | 1 | 3 | 4 | 15 | 1.032 | 3 | 3.2 | 1.085 | 3 | 9.3 | 543.29 | 13.65 | 12 | 15 | 381 | 41.9 | 5.01 |
| 4503481 | elongation factor 1-gamma [Homo sapiens] | 45.77 | 1 | 14 | 15 | 99 | 1.032 | 31 | 5.9 | 1.211 | 31 | 22.5 | 3330.32 | 45.77 | 42 | 99 | 437 | 50.1 | 6.67 |
| 148536853 | coatomer subunit alpha isoform 2 [Homo sapiens] | 6.78 | 3 | 3 | 11 | 60 | 1.032 | 3 | 3.1 | 1.111 | 3 | 2.6 | 584.24 | 6.78 | 22 | 60 | 1224 | 138.3 | 7.66 |
| 530406263 | PREDICTED: ras-related protein Rab-27A isoform X3 [Homo sapiens] | 28.57 | 2 | 4 | 5 | 19 | 1.032 | 6 | 4.3 | 1.079 | 6 | 11.0 | 689.36 | 28.57 | 14 | 19 | 168 | 19.2 | 5.38 |
| 115527062 | collagen alpha-2(VI) chain isoform 2C2 precursor [Homo sapiens] | 13.35 | 3 | 3 | 9 | 19 | 1.032 | 3 | 1.7 | 1.271 | 3 | 9.1 | 361.07 | 13.35 | 16 | 19 | 1019 | 108.5 | 6.21 |
| 23110925 | proteasome subunit beta type-6 isoform 1 proprotein [Homo sapiens] | 4.60 | 1 | 1 | 1 | 6 | 1.032 | 2 | 6.0 | 1.227 | 2 | 7.3 | 214.87 | 4.60 | 3 | 6 | 239 | 25.3 | 4.92 |
| 578818376 | PREDICTED: selenide, water dikinase 1 isoform X1 [Homo sapiens] | 14.36 | 4 | 3 | 4 | 10 | 1.032 | 3 | 1.1 | 1.297 | 3 | 3.5 | 419.65 | 14.36 | 10 | 10 | 390 | 42.7 | 5.97 |
| 395455064 | mediator of RNA polymerase II transcription subunit 23 isoform c [Homo sapiens] | 5.81 | 5 | 1 | 8 | 18 | 1.032 | 1 | | 76.129 | 1 | | 32.15 | 5.81 | 8 | 18 | 1359 | 155.5 | 7.40 |
| 538917488 | isocitrate dehydrogenase [NADP] cytoplasmic [Homo sapiens] | 48.07 | 1 | 14 | 18 | 100 | 1.032 | 29 | 3.7 | 1.162 | 28 | 15.9 | 4129.37 | 48.07 | 50 | 100 | 414 | 46.6 | 7.01 |
| 530419250 | PREDICTED: pericentrin isoform X4 [Homo sapiens] | 5.95 | 14 | 1 | 23 | 55 | 1.031 | 1 | | 1.356 | 1 | | 133.31 | 5.95 | 39 | 55 | 3258 | 369.2 | 5.47 |
| 93102375 | protein FAM114A2 [Homo sapiens] | 4.16 | 2 | 2 | 3 | 8 | 1.031 | 2 | 0.8 | 1.042 | 2 | 4.0 | 177.53 | 4.16 | 8 | 8 | 505 | 55.4 | 4.88 |
| 217035154 | capZ-interacting protein [Homo sapiens] | 29.09 | 2 | 6 | 9 | 48 | 1.031 | 13 | 4.4 | 1.067 | 13 | 11.4 | 1376.37 | 29.09 | 21 | 48 | 416 | 44.5 | 5.40 |
| 157502193 | 26S proteasome non-ATPase regulatory subunit 13 isoform 1 [Homo sapiens] | 8.78 | 2 | 3 | 3 | 10 | 1.031 | 4 | 8.5 | 1.111 | 3 | 6.4 | 301.08 | 8.78 | 7 | 10 | 376 | 42.9 | 5.81 |
| 312433960 | NLR family CARD domain-containing protein 4 [Homo sapiens] | 9.28 | 1 | 3 | 9 | 32 | 1.031 | 3 | 2.1 | 1.518 | 3 | 42.2 | 301.38 | 9.28 | 18 | 32 | 1024 | 116.1 | 6.77 |
| 12667788 | myosin-9 [Homo sapiens] | 71.48 | 75 | 134 | 158 | 1810 | 1.031 | 520 | 8.0 | 1.184 | 514 | 18.0 | 67167.58 | 71.48 | 458 | 1810 | 1960 | 226.4 | 5.60 |
| 39995084 | integrator complex subunit 3 [Homo sapiens] | 4.99 | 5 | 1 | 3 | 7 | 1.031 | 1 | | 1.108 | 1 | | 215.13 | 4.99 | 7 | 7 | 1042 | 117.9 | 5.80 |
| 7705696 | thioredoxin domain-containing protein 12 precursor [Homo sapiens] | 5.23 | 1 | 1 | 1 | 3 | 1.031 | 1 | | 1.243 | 1 | | 77.60 | 5.23 | 3 | 3 | 172 | 19.2 | 5.40 |
| 11321640 | beta-1-syntrophin [Homo sapiens] | 3.53 | 2 | 1 | 2 | 4 | 1.031 | 1 | | 1.116 | 1 | | 21.50 | 3.53 | 2 | 4 | 538 | 58.0 | 8.63 |
| 4759140 | Na(+)/H(+) exchange regulatory cofactor NHE-RF1 [Homo sapiens] | 40.50 | 1 | 9 | 11 | 67 | 1.031 | 20 | 7.6 | 1.144 | 20 | 20.0 | 2430.05 | 40.50 | 29 | 67 | 358 | 38.8 | 5.77 |
| 14591909 | 60S ribosomal protein L5 [Homo sapiens] | 20.20 | 1 | 5 | 6 | 25 | 1.031 | 7 | 4.1 | 1.221 | 7 | 14.5 | 438.81 | 20.20 | 15 | 25 | 297 | 34.3 | 9.72 |
| 557878612 | centromere-associated protein E isoform 2 [Homo sapiens] | 8.88 | 2 | 1 | 28 | 74 | 1.031 | 1 | | **2.175** | 1 | | 216.94 | 8.88 | 49 | 74 | 2580 | 301.6 | 5.57 |
| 7656952 | calcyclin-binding protein isoform 1 [Homo sapiens] | 27.63 | 2 | 4 | 7 | 32 | 1.031 | 4 | 9.0 | 1.076 | 4 | 2.6 | 580.60 | 27.63 | 17 | 32 | 228 | 26.2 | 8.25 |
| 15208660 | E3 ubiquitin-protein ligase TRIM21 [Homo sapiens] | 5.05 | 2 | 2 | 3 | 7 | 1.031 | 2 | 15.8 | 1.081 | 2 | 23.1 | 93.14 | 5.05 | 7 | 7 | 475 | 54.1 | 6.38 |
| 157653329 | procollagen C-endopeptidase enhancer 1 precursor [Homo sapiens] | 16.48 | 1 | 5 | 6 | 17 | 1.031 | 5 | 7.6 | 1.109 | 5 | 22.4 | 521.53 | 16.48 | 16 | 17 | 449 | 47.9 | 7.43 |
| 55770888 | early endosome antigen 1 [Homo sapiens] | 9.78 | 12 | 4 | 17 | 71 | 1.031 | 7 | 6.9 | 1.223 | 7 | 10.1 | 359.29 | 9.78 | 32 | 71 | 1411 | 162.4 | 5.66 |
| 4502209 | ADP-ribosylation factor 5 [Homo sapiens] | 42.22 | 1 | 1 | 6 | 27 | 1.030 | 1 | | **2.453** | 1 | | 847.15 | 42.22 | 16 | 27 | 180 | 20.5 | 6.79 |
| 30795231 | brain acid soluble protein 1 [Homo sapiens] | 85.90 | 1 | 20 | 20 | 107 | 1.030 | 34 | 5.4 | 1.130 | 34 | 13.8 | 4461.57 | 85.90 | 59 | 107 | 227 | 22.7 | 4.63 |
| 4757768 | rho GDP-dissociation inhibitor 1 isoform a [Homo sapiens] | 46.57 | 10 | 10 | 11 | 121 | 1.030 | 37 | 7.4 | 1.170 | 37 | 14.4 | 4242.94 | 46.57 | 33 | 121 | 204 | 23.2 | 5.11 |
| 217035150 | inosine-5'-monophosphate dehydrogenase 1 isoform g [Homo sapiens] | 7.36 | 16 | 3 | 3 | 14 | 1.030 | 3 | 8.8 | 1.121 | 3 | 6.2 | 365.50 | 7.36 | 9 | 14 | 489 | 52.6 | 6.64 |
| 578831328 | PREDICTED: actin, cytoplasmic 2 isoform X1 [Homo sapiens] | 73.93 | 26 | 3 | 40 | 5402 | 1.030 | 70 | 10.1 | 1.153 | 59 | 32.0 | 195591.94 | 73.93 | 114 | 5402 | 468 | 51.2 | 7.20 |
| 7656849 | isobutyryl-CoA dehydrogenase, mitochondrial [Homo sapiens] | 4.58 | 1 | 1 | 2 | 4 | 1.030 | 1 | | | | | 51.91 | 4.58 | 4 | 4 | 415 | 45.0 | 7.85 |
| 296531349 | histone lysine demethylase PHF8 isoform 1 [Homo sapiens] | 4.81 | 8 | 1 | 7 | 25 | 1.030 | 2 | 2.7 | 1.116 | 2 | 7.4 | 67.01 | 4.81 | 9 | 25 | 1060 | 117.8 | 8.72 |
| 578813343 | PREDICTED: thrombospondin type-1 domain-containing protein 7A isoform X4 [Homo sapiens] | 1.98 | 5 | 1 | 3 | 30 | 1.030 | 3 | 0.5 | 1.198 | 3 | 24.0 | 139.27 | 1.98 | 7 | 30 | 1516 | 169.7 | 7.37 |
| 189083844 | dipeptidyl peptidase 1 isoform a preproprotein [Homo sapiens] | 21.38 | 3 | 8 | 8 | 44 | 1.030 | 15 | 7.5 | 1.141 | 15 | 11.8 | 1966.85 | 21.38 | 23 | 44 | 463 | 51.8 | 6.99 |
| 4507909 | wiskott-Aldrich syndrome protein [Homo sapiens] | 22.71 | 1 | 7 | 10 | 42 | 1.030 | 10 | 6.1 | 1.203 | 10 | 16.7 | 1131.56 | 22.71 | 25 | 42 | 502 | 52.9 | 6.64 |
| 530369465 | PREDICTED: solute carrier family 35 member F5 isoform X2 [Homo sapiens] | 2.72 | 3 | 1 | 2 | 10 | 1.030 | 3 | 0.3 | 1.201 | 3 | 1.3 | 117.24 | 2.72 | 4 | 10 | 515 | 58.1 | 9.50 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119395754 | keratin, type II cytoskeletal 5 [Homo sapiens] | 23.05 | 10 | 3 | 16 | 70 | 1.029 | 6 | 6.2 | 1.085 | 6 | 3.8 | 1632.39 | 23.05 | 44 | 70 | 590 | 62.3 | 7.74 |
| 226443152 | alpha/beta hydrolase domain-containing protein 14B isoform 1 [Homo sapiens] | 24.76 | 5 | 4 | 7 | 21 | 1.029 | 4 | 4.6 | 1.146 | 4 | 51.3 | 379.13 | 24.76 | 17 | 21 | 210 | 22.3 | 6.40 |
| 578821106 | PREDICTED: EH domain-containing protein 1 isoform X1 [Homo sapiens] | 27.15 | 4 | 12 | 14 | 68 | 1.029 | 21 | 4.0 | 1.191 | 21 | 21.5 | 2015.02 | 27.15 | 40 | 68 | 534 | 60.6 | 6.83 |
| 6912586 | 6-phosphogluconolactonase [Homo sapiens] | 69.77 | 2 | 12 | 12 | 59 | 1.029 | 20 | 6.1 | 1.136 | 19 | 21.1 | 2177.54 | 69.77 | 34 | 59 | 258 | 27.5 | 6.05 |
| 4504483 | hypoxanthine-guanine phosphoribosyltransferase [Homo sapiens] | 28.90 | 6 | 6 | 6 | 29 | 1.029 | 9 | 8.4 | 1.130 | 9 | 17.2 | 1169.85 | 28.90 | 16 | 29 | 218 | 24.6 | 6.68 |
| 20357529 | guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 [Homo sapiens] | 17.65 | 5 | 3 | 5 | 32 | 1.029 | 2 | 4.2 | 1.760 | 2 | 66.5 | 514.07 | 17.65 | 14 | 32 | 340 | 37.3 | 6.00 |
| 578834138 | PREDICTED: serine/threonine-protein phosphatase 6 regulatory subunit 1 isoform X3 [Homo sa | 5.57 | 2 | 1 | 3 | 5 | 1.029 | 1 |  | 1.031 | 1 |  | 143.75 | 5.57 | 5 | 5 | 754 | 82.2 | 4.55 |
| 578824247 | PREDICTED: phosphatidylinositol 5-phosphate 4-kinase type-2 gamma isoform X2 [Homo sapie | 6.77 | 5 | 1 | 1 | 3 | 1.029 | 1 |  | 1.067 | 1 |  | 158.69 | 6.77 | 3 | 3 | 251 | 28.4 | 6.13 |
| 4885111 | calmodulin-like protein 3 [Homo sapiens] | 24.16 | 1 | 2 | 3 | 16 | 1.029 | 2 | 6.0 | 1.025 | 2 | 1.7 | 593.95 | 24.16 | 9 | 16 | 149 | 16.9 | 4.42 |
| 7661882 | rho GTPase-activating protein 25 isoform b [Homo sapiens] | 18.50 | 6 | 7 | 10 | 25 | 1.028 | 8 | 8.9 | 1.185 | 7 | 5.5 | 691.50 | 18.50 | 22 | 25 | 638 | 72.4 | 6.07 |
| 304555610 | EF-hand calcium-binding domain-containing protein 13 isoform A [Homo sapiens] | 2.98 | 4 | 1 | 4 | 34 | 1.028 | 1 |  | 0.842 | 1 |  | 422.57 | 2.98 | 8 | 34 | 973 | 110.1 | 6.57 |
| 530365306 | PREDICTED: nuclear ubiquitous casein and cyclin-dependent kinase substrate 1 isoform X1 [Ho | 13.64 | 2 | 2 | 4 | 12 | 1.028 | 2 | 3.3 | 0.955 | 2 | 23.2 | 118.07 | 13.64 | 9 | 12 | 242 | 27.2 | 5.08 |
| 33457316 | pleckstrin homology domain-containing family O member 2 isoform 1 [Homo sapiens] | 9.59 | 2 | 4 | 5 | 13 | 1.028 | 4 | 4.8 | 1.220 | 4 | 17.4 | 499.17 | 9.59 | 13 | 13 | 490 | 53.3 | 5.43 |
| 530370925 | PREDICTED: X-ray repair cross-complementing protein 5 isoform X1 [Homo sapiens] | 35.67 | 7 | 15 | 23 | 130 | 1.028 | 29 | 8.3 | 1.183 | 29 | 16.1 | 5342.84 | 35.67 | 59 | 130 | 827 | 93.5 | 8.10 |
| 4504445 | heterogeneous nuclear ribonucleoprotein A1 isoform a [Homo sapiens] | 53.75 | 10 | 13 | 19 | 156 | 1.028 | 30 | 4.6 | 1.152 | 30 | 9.0 | 5075.21 | 53.75 | 56 | 156 | 320 | 34.2 | 9.23 |
| 12056473 | sialic acid synthase [Homo sapiens] | 11.42 | 1 | 3 | 3 | 8 | 1.028 | 3 | 6.4 | 1.357 | 3 | 25.3 | 414.59 | 11.42 | 8 | 8 | 359 | 40.3 | 6.74 |
| 530403051 | PREDICTED: putative ATP-dependent RNA helicase TDRD9 isoform X1 [Homo sapiens] | 4.21 | 4 | 1 | 6 | 19 | 1.028 | 2 | 6.9 | 1.500 | 2 | 10.3 | 41.75 | 4.21 | 11 | 19 | 1330 | 149.7 | 7.05 |
| 5031593 | actin-related protein 2/3 complex subunit 5 isoform 1 [Homo sapiens] | 80.13 | 3 | 9 | 11 | 92 | 1.028 | 29 | 8.4 | 1.159 | 29 | 10.1 | 3838.50 | 80.13 | 29 | 92 | 151 | 16.3 | 5.67 |
| 34147513 | ras-related protein Rab-7a [Homo sapiens] | 71.98 | 1 | 12 | 14 | 143 | 1.028 | 46 | 5.5 | 1.150 | 46 | 15.1 | 4984.48 | 71.98 | 40 | 143 | 207 | 23.5 | 6.70 |
| 262231791 | complement factor H-related protein 3 isoform 2 precursor [Homo sapiens] | 16.36 | 3 | 2 | 4 | 79 | 1.028 | 6 | 12.8 | 1.385 | 5 | 8.1 | 1436.05 | 16.36 | 11 | 79 | 269 | 30.7 | 7.78 |
| 10880979 | lymphocyte-specific protein 1 isoform 1 [Homo sapiens] | 50.44 | 6 | 11 | 12 | 107 | 1.027 | 31 | 6.2 | 1.119 | 31 | 17.9 | 4759.62 | 50.44 | 34 | 107 | 339 | 37.2 | 4.74 |
| 140972063 | neurabin-2 [Homo sapiens] | 3.43 | 8 | 2 | 3 | 8 | 1.027 | 1 |  | 1.063 | 1 |  | 133.62 | 3.43 | 8 | 8 | 817 | 89.3 | 4.97 |
| 117320537 | 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2 [Homo sapiens] | 9.88 | 1 | 5 | 9 | 23 | 1.027 | 5 | 10.4 | 1.094 | 5 | 6.7 | 700.25 | 9.88 | 22 | 23 | 1265 | 147.8 | 6.64 |
| 14251209 | chloride intracellular channel protein 1 [Homo sapiens] | 76.76 | 8 | 14 | 14 | 162 | 1.027 | 53 | 7.9 | 1.201 | 49 | 20.1 | 5836.57 | 76.76 | 41 | 162 | 241 | 26.9 | 5.17 |
| 354983501 | protein-L-isoaspartate(D-aspartate) O-methyltransferase isoform 1 [Homo sapiens] | 53.33 | 5 | 9 | 11 | 74 | 1.027 | 21 | 8.0 | 1.261 | 20 | 16.1 | 2240.38 | 53.33 | 29 | 74 | 285 | 30.3 | 7.52 |
| 530393565 | PREDICTED: insulin-degrading enzyme isoform X4 [Homo sapiens] | 1.48 | 3 | 1 | 1 | 2 | 1.026 | 1 |  |  |  |  | 47.52 | 1.48 | 2 | 2 | 609 | 69.9 | 6.89 |
| 530403615 | PREDICTED: DNA-(apurinic or apyrimidinic site) lyase isoform X1 [Homo sapiens] | 55.03 | 2 | 16 | 18 | 85 | 1.026 | 26 | 3.5 | 1.133 | 26 | 17.2 | 3438.31 | 55.03 | 51 | 85 | 318 | 35.5 | 8.12 |
| 22538465 | proteasome subunit beta type-3 [Homo sapiens] | 31.71 | 1 | 5 | 5 | 30 | 1.026 | 10 | 6.6 | 1.154 | 9 | 10.4 | 919.84 | 31.71 | 15 | 30 | 205 | 22.9 | 6.55 |
| 513126877 | carboxypeptidase B2 isoform 2 preproprotein [Homo sapiens] | 13.21 | 5 | 4 | 6 | 22 | 1.026 | 6 | 6.3 | 1.299 | 6 | 32.0 | 407.50 | 13.21 | 15 | 22 | 386 | 44.0 | 7.71 |
| 578834433 | PREDICTED: uncharacterized protein C19orf68 isoform X3 [Homo sapiens] | 6.12 | 6 | 1 | 8 | 18 | 1.026 | 3 | 8.3 | 1.803 | 3 | 26.5 | 54.42 | 6.12 | 12 | 18 | 947 | 104.7 | 8.40 |
| 194018537 | phosphoribosyl pyrophosphate synthase-associated protein 1 [Homo sapiens] | 7.79 | 1 | 1 | 2 | 4 | 1.026 | 1 |  | 1.358 | 1 |  | 116.88 | 7.79 | 4 | 4 | 385 | 42.4 | 8.47 |
| 300360515 | actin-related protein 2/3 complex subunit 1A isoform 2 [Homo sapiens] | 3.37 | 2 | 1 | 1 | 2 | 1.026 | 1 |  | 0.960 | 1 |  | 41.64 | 3.37 | 2 | 2 | 356 | 39.6 | 8.22 |
| 121114302 | cullin-4B isoform 2 [Homo sapiens] | 11.17 | 6 | 1 | 8 | 27 | 1.026 | 1 |  | 1.137 | 1 |  | 186.99 | 11.17 | 14 | 27 | 895 | 102.2 | 7.94 |
| 530384039 | PREDICTED: utrophin isoform X7 [Homo sapiens] | 6.13 | 7 | 1 | 26 | 205 | 1.026 | 1 |  | 1.450 | 1 |  | 973.26 | 6.13 | 50 | 205 | 3424 | 393.2 | 5.33 |
| 530380347 | PREDICTED: glucosamine-6-phosphate isomerase 1 isoform X1 [Homo sapiens] | 25.16 | 9 | 5 | 7 | 27 | 1.026 | 7 | 3.7 | 1.202 | 7 | 7.6 | 926.87 | 25.16 | 19 | 27 | 318 | 36.1 | 7.61 |
| 4557587 | fumarylacetoacetase [Homo sapiens] | 18.38 | 1 | 6 | 6 | 25 | 1.026 | 8 | 3.3 | 1.111 | 8 | 15.6 | 455.20 | 18.38 | 17 | 25 | 419 | 46.3 | 6.95 |
| 55741719 | iporin [Homo sapiens] | 3.10 | 2 | 1 | 4 | 19 | 1.026 | 3 | 5.9 | **2.362** | 3 | 51.5 | 43.86 | 3.10 | 4 | 19 | 1516 | 161.1 | 6.62 |
| 7657069 | ERO1-like protein alpha precursor [Homo sapiens] | 16.03 | 1 | 3 | 7 | 15 | 1.025 | 3 | 0.7 | 1.076 | 3 | 1.7 | 482.55 | 16.03 | 15 | 15 | 468 | 54.4 | 5.68 |
| 41281453 | STE20-like serine/threonine-protein kinase [Homo sapiens] | 13.28 | 17 | 6 | 16 | 45 | 1.025 | 5 | 4.1 | 1.050 | 5 | 17.8 | 855.10 | 13.28 | 37 | 45 | 1235 | 142.6 | 5.15 |
| 24430132 | WW domain-binding protein 2 [Homo sapiens] | 8.81 | 1 | 1 | 3 | 8 | 1.025 | 1 |  | 1.068 | 1 |  | 98.26 | 8.81 | 7 | 8 | 261 | 28.1 | 5.91 |
| 71773110 | apolipoprotein A-IV precursor [Homo sapiens] | 61.36 | 1 | 23 | 25 | 200 | 1.025 | 61 | 7.0 | 1.265 | 58 | 16.3 | 5910.78 | 61.36 | 73 | 200 | 396 | 45.3 | 5.38 |
| 24430192 | keratin, type I cytoskeletal 16 [Homo sapiens] | 38.90 | 20 | 6 | 21 | 75 | 1.025 | 8 | 7.7 | 1.136 | 8 | 11.0 | 2335.21 | 38.90 | 56 | 75 | 473 | 51.2 | 5.05 |
| 344030204 | ras-related protein Rab-6A isoform c [Homo sapiens] | 11.43 | 19 | 1 | 2 | 9 | 1.025 | 1 |  | 1.118 | 1 |  | 335.11 | 11.43 | 6 | 9 | 175 | 19.9 | 5.07 |
| 5031571 | actin-related protein 2 isoform b [Homo sapiens] | 61.17 | 25 | 16 | 20 | 238 | 1.025 | 65 | 9.0 | 1.221 | 59 | 20.5 | 8489.39 | 61.17 | 56 | 238 | 394 | 44.7 | 6.74 |
| 256222019 | ras-related protein Rab-10 [Homo sapiens] | 25.50 | 20 | 2 | 5 | 34 | 1.025 | 5 | 5.6 | 1.405 | 5 | 21.8 | 1619.89 | 25.50 | 13 | 34 | 200 | 22.5 | 8.38 |
| 8051584 | ficolin-1 precursor [Homo sapiens] | 24.85 | 2 | 6 | 6 | 30 | 1.025 | 10 | 5.2 | 1.046 | 10 | 13.4 | 1020.75 | 24.85 | 18 | 30 | 326 | 35.1 | 6.86 |
| 4504061 | N-acetylglucosamine-6-sulfatase precursor [Homo sapiens] | 14.67 | 1 | 6 | 8 | 26 | 1.025 | 8 | 3.5 | 1.211 | 8 | 13.3 | 965.34 | 14.67 | 20 | 26 | 552 | 62.0 | 8.31 |
| 34577063 | adenylosuccinate synthetase isozyme 2 [Homo sapiens] | 39.25 | 4 | 14 | 17 | 90 | 1.025 | 27 | 7.8 | 1.176 | 26 | 25.4 | 2651.68 | 39.25 | 45 | 90 | 456 | 50.1 | 6.55 |
| 4757826 | beta-2-microglobulin precursor [Homo sapiens] | 49.58 | 2 | 4 | 4 | 26 | 1.025 | 8 | 2.7 | 1.142 | 8 | 8.3 | 1084.87 | 49.58 | 12 | 26 | 119 | 13.7 | 6.52 |
| 4507949 | 14-3-3 protein beta/alpha [Homo sapiens] | 81.30 | 1 | 9 | 21 | 260 | 1.025 | 40 | 7.1 | 1.205 | 39 | 18.6 | 8374.54 | 81.30 | 59 | 260 | 246 | 28.1 | 4.83 |
| 4503477 | elongation factor 1-beta [Homo sapiens] | 42.22 | 1 | 4 | 7 | 26 | 1.025 | 7 | 1.9 | 1.235 | 7 | 12.0 | 908.14 | 42.22 | 17 | 26 | 225 | 24.7 | 4.67 |
| 530392285 | PREDICTED: sickle tail protein homolog isoform X14 [Homo sapiens] | 3.28 | 30 | 1 | 7 | 9 | 1.025 | 1 |  | 1.229 | 1 |  | 33.21 | 3.28 | 7 | 9 | 1770 | 194.6 | 6.95 |
| 530380865 | PREDICTED: CREB3 regulatory factor isoform X1 [Homo sapiens] | 4.91 | 2 | 2 | 4 | 7 | 1.025 | 2 | 11.5 | 1.940 | 2 | 39.1 | 36.02 | 4.91 | 7 | 7 | 631 | 71.3 | 4.87 |
| 578834710 | PREDICTED: spectrin beta chain, non-erythrocytic 4 isoform X1 [Homo sapiens] | 7.81 | 3 | 1 | 23 | 61 | 1.025 | 2 | 1.1 | 1.380 | 2 | 2.9 | 306.49 | 7.81 | 40 | 61 | 2394 | 270.1 | 5.67 |
| 4757900 | calreticulin precursor [Homo sapiens] | 74.34 | 1 | 21 | 23 | 182 | 1.025 | 57 | 7.7 | 1.116 | 54 | 17.8 | 6259.99 | 74.34 | 64 | 182 | 417 | 48.1 | 4.44 |
| 197382664 | eukaryotic translation initiation factor 4E type 3 isoform b [Homo sapiens] | 14.41 | 2 | 1 | 1 | 6 | 1.024 | 2 | 7.2 | 1.080 | 2 | 5.2 | 235.06 | 14.41 | 3 | 6 | 118 | 13.3 | 5.78 |
| 4504901 | importin subunit alpha-3 [Homo sapiens] | 6.33 | 1 | 1 | 3 | 6 | 1.024 | 1 |  | 1.224 | 1 |  | 144.60 | 6.33 | 5 | 6 | 521 | 57.9 | 4.96 |
| 4506787 | ras GTPase-activating-like protein IQGAP1 [Homo sapiens] | 54.44 | 5 | 63 | 70 | 400 | 1.024 | 122 | 6.9 | 1.168 | 117 | 18.0 | 15836.30 | 54.44 | 198 | 400 | 1657 | 189.1 | 6.48 |
| 156616294 | N-acetylmuramoyl-L-alanine amidase precursor [Homo sapiens] | 34.55 | 2 | 11 | 11 | 70 | 1.024 | 23 | 7.5 | 1.186 | 20 | 17.4 | 2939.96 | 34.55 | 32 | 70 | 576 | 62.2 | 7.55 |
| 47132620 | keratin, type II cytoskeletal 2 epidermal [Homo sapiens] | 19.41 | 27 | 3 | 13 | 73 | 1.024 | 4 | 7.9 | 1.058 | 4 | 10.8 | 1598.28 | 19.41 | 39 | 73 | 639 | 65.4 | 8.00 |
| 4757818 | V-type proton ATPase subunit G 1 [Homo sapiens] | 35.59 | 1 | 3 | 4 | 17 | 1.024 | 5 | 3.0 | 1.095 | 5 | 9.4 | 589.90 | 35.59 | 11 | 17 | 118 | 13.7 | 8.79 |
| 19923497 | echinoderm microtubule-associated protein-like 4 isoform a [Homo sapiens] | 6.63 | 6 | 2 | 7 | 14 | 1.024 | 2 | 3.4 | 1.123 | 2 | 14.7 | 167.40 | 6.63 | 12 | 14 | 981 | 108.8 | 6.32 |
| 33519455 | methionine adenosyltransferase 2 subunit beta isoform 2 [Homo sapiens] | 5.88 | 2 | 1 | 2 | 33 | 1.024 | 1 |  | 0.920 | 1 |  | 52.30 | 5.88 | 6 | 33 | 323 | 36.4 | 6.65 |
| 4507651 | tropomyosin alpha-4 chain isoform 2 [Homo sapiens] | 53.23 | 14 | 5 | 22 | 152 | 1.024 | 6 | 1.0 | 1.046 | 6 | 5.5 | 3983.62 | 53.23 | 64 | 152 | 248 | 28.5 | 4.69 |
| 578809860 | PREDICTED: serine/threonine-protein kinase NIM1 isoform X1 [Homo sapiens] | 6.42 | 2 | 1 | 3 | 8 | 1.024 | 3 | 2.5 | 1.039 | 3 | 5.8 | 53.77 | 6.42 | 3 | 8 | 436 | 49.6 | 8.35 |
| 9257257 | WD repeat-containing protein 1 isoform 1 [Homo sapiens] | 59.74 | 3 | 27 | 31 | 284 | 1.024 | 84 | 5.8 | 1.166 | 82 | 14.7 | 11149.75 | 59.74 | 90 | 284 | 606 | 66.2 | 6.65 |
| 13775198 | SH3 domain-binding glutamic acid-rich-like protein 3 [Homo sapiens] | 76.34 | 1 | 6 | 6 | 125 | 1.024 | 33 | 7.9 | 1.161 | 30 | 8.8 | 3086.89 | 76.34 | 18 | 125 | 93 | 10.4 | 4.93 |
| 530366190 | PREDICTED: lamin-B receptor isoform X1 [Homo sapiens] | 8.38 | 2 | 6 | 6 | 41 | 1.024 | 12 | 5.2 | 1.171 | 12 | 19.0 | 879.68 | 8.38 | 18 | 41 | 573 | 65.9 | 9.45 |
| 57863257 | T-complex protein 1 subunit alpha isoform a [Homo sapiens] | 33.99 | 11 | 12 | 15 | 50 | 1.024 | 13 | 5.6 | 1.171 | 13 | 13.3 | 1460.98 | 33.99 | 43 | 50 | 556 | 60.3 | 6.11 |
| 88999583 | myosin light polypeptide 6 isoform 2 [Homo sapiens] | 84.77 | 4 | 12 | 12 | 213 | 1.023 | 69 | 9.4 | 1.204 | 69 | 19.2 | 8829.13 | 84.77 | 36 | 213 | 151 | 17.0 | 4.55 |
| 578821456 | PREDICTED: nuclear mitotic apparatus protein 1 isoform X9 [Homo sapiens] | 8.19 | 2 | 2 | 18 | 47 | 1.023 | 2 | 7.2 | 1.205 | 2 | 2.0 | 334.43 | 8.19 | 28 | 47 | 2101 | 236.4 | 5.80 |
| 217330646 | activated RNA polymerase II transcriptional coactivator p15 [Homo sapiens] | 23.62 | 1 | 3 | 3 | 11 | 1.023 | 4 | 3.7 | 1.104 | 4 | 6.9 | 369.57 | 23.62 | 8 | 11 | 127 | 14.4 | 9.60 |
| 387527974 | dynactin subunit 2 isoform 3 [Homo sapiens] | 21.95 | 3 | 4 | 6 | 19 | 1.023 | 5 | 5.2 | 1.299 | 5 | 25.5 | 624.79 | 21.95 | 14 | 19 | 401 | 44.2 | 5.21 |
| 304571975 | L-xylulose reductase isoform 2 [Homo sapiens] | 10.74 | 2 | 2 | 2 | 6 | 1.023 | 2 | 4.6 | 1.186 | 2 | 31.9 | 275.63 | 10.74 | 6 | 6 | 242 | 25.7 | 8.10 |
| 530374793 | PREDICTED: DCN1-like protein 1 isoform X1 [Homo sapiens] | 15.16 | 2 | 2 | 4 | 18 | 1.023 | 3 | 4.4 | 1.195 | 3 | 4.9 | 572.54 | 15.16 | 11 | 18 | 244 | 28.3 | 4.98 |
| 70778918 | inter-alpha-trypsin inhibitor heavy chain H2 precursor [Homo sapiens] | 38.16 | 1 | 22 | 26 | 216 | 1.023 | 64 | 9.1 | 1.185 | 64 | 17.8 | 7826.99 | 38.16 | 73 | 216 | 946 | 106.4 | 6.86 |
| 5729991 | 26S protease regulatory subunit 6B isoform 1 [Homo sapiens] | 24.64 | 2 | 4 | 7 | 33 | 1.023 | 9 | 2.5 | 1.144 | 8 | 9.2 | 702.03 | 24.64 | 16 | 33 | 418 | 47.3 | 5.21 |
| 530368016 | PREDICTED: striatin isoform X1 [Homo sapiens] | 7.27 | 2 | 1 | 5 | 14 | 1.023 | 1 |  | 1.614 | 1 |  | 113.52 | 7.27 | 10 | 14 | 743 | 81.6 | 5.12 |
| 5031595 | actin-related protein 2/3 complex subunit 4 isoform a [Homo sapiens] | 73.21 | 4 | 11 | 12 | 139 | 1.023 | 45 | 7.4 | 1.196 | 42 | 26.3 | 4767.73 | 73.21 | 33 | 139 | 168 | 19.7 | 8.43 |
| 13569901 | TSC22 domain family protein 4 [Homo sapiens] | 17.47 | 1 | 2 | 4 | 13 | 1.023 | 2 | 4.3 | 1.195 | 2 | 5.9 | 348.30 | 17.47 | 8 | 13 | 395 | 41.0 | 7.21 |
| 9966827 | PEST proteolytic signal-containing nuclear protein [Homo sapiens] | 17.42 | 1 | 1 | 3 | 5 | 1.023 | 1 |  | 1.417 | 1 |  | 63.24 | 17.42 | 4 | 5 | 178 | 18.9 | 7.49 |
| 578830918 | PREDICTED: DNA ligase 3 isoform X3 [Homo sapiens] | 4.18 | 4 | 2 | 5 | 9 | 1.023 | 2 | 8.5 | 1.163 | 2 | 2.4 | 130.25 | 4.18 | 9 | 9 | 958 | 107.1 | 9.22 |
| 578801388 | PREDICTED: 60 kDa SS-A/Ro ribonucleoprotein isoform X1 [Homo sapiens] | 6.96 | 5 | 1 | 5 | 16 | 1.023 | 1 |  | 1.184 | 1 |  | 156.60 | 6.96 | 11 | 16 | 560 | 63.1 | 8.38 |
| 89903012 | cell division control protein 42 homolog isoform 1 precursor [Homo sapiens] | 52.88 | 6 | 6 | 7 | 69 | 1.023 | 18 | 7.2 | 1.287 | 16 | 28.2 | 2365.79 | 52.88 | 21 | 69 | 191 | 21.2 | 6.55 |
| 22035620 | apoptosis-associated speck-like protein containing a CARD isoform b [Homo sapiens] | 69.89 | 2 | 10 | 11 | 65 | 1.023 | 19 | 6.3 | 1.261 | 19 | 18.8 | 2139.57 | 69.89 | 30 | 65 | 176 | 20.0 | 5.95 |
| 153070260 | myristoylated alanine-rich C-kinase substrate [Homo sapiens] | 58.13 | 1 | 6 | 8 | 49 | 1.022 | 12 | 9.2 | 1.126 | 12 | 7.5 | 2053.79 | 58.13 | 24 | 49 | 332 | 31.5 | 4.45 |
| 20070125 | protein disulfide-isomerase precursor [Homo sapiens] | 64.17 | 1 | 26 | 32 | 202 | 1.022 | 61 | 4.8 | 1.091 | 61 | 12.0 | 7250.18 | 64.17 | 90 | 202 | 508 | 57.1 | 4.87 |
| 110611218 | ribosome-binding protein 1 [Homo sapiens] | 8.09 | 4 | 3 | 8 | 34 | 1.022 | 4 | 1.1 | 1.173 | 4 | 41.5 | 395.46 | 8.09 | 14 | 34 | 977 | 108.6 | 5.54 |
| 302318952 | PML-RARA-regulated adapter molecule 1 [Homo sapiens] | 37.61 | 2 | 12 | 18 | 62 | 1.022 | 16 | 4.9 | 1.162 | 16 | 9.3 | 1304.24 | 37.61 | 45 | 62 | 670 | 73.9 | 9.67 |
| 82546830 | exocyst complex component 4 isoform a [Homo sapiens] | 5.24 | 3 | 1 | 6 | 17 | 1.022 | 1 |  | 1.092 | 1 |  | 130.18 | 5.24 | 13 | 17 | 974 | 110.4 | 6.49 |
| 530361117 | PREDICTED: heterochromatin protein 1-binding protein 3 isoform X5 [Homo sapiens] | 25.05 | 3 | 10 | 13 | 58 | 1.022 | 14 | 4.2 | 1.102 | 14 | 10.0 | 1042.22 | 25.05 | 33 | 58 | 515 | 57.2 | 9.76 |
| 31542984 | inter-alpha-trypsin inhibitor heavy chain H4 isoform 1 precursor [Homo sapiens] | 58.92 | 11 | 1 | 41 | 573 | 1.022 | 1 |  | 1.046 | 1 |  | 19384.38 | 58.92 | 122 | 573 | 930 | 103.3 | 6.98 |
| 542133174 | liprin-alpha-2 isoform j [Homo sapiens] | 7.34 | 21 | 1 | 12 | 25 | 1.022 | 1 |  |  |  |  | 31.02 | 7.34 | 18 | 25 | 1104 | 125.8 | 6.58 |
| 22027655 | AP-1 complex subunit sigma-2 isoform 2 [Homo sapiens] | 15.29 | 1 | 1 | 2 | 6 | 1.022 | 2 | 11.0 | 0.750 | 2 | 28.1 | 345.84 | 15.29 | 4 | 6 | 157 | 18.6 | 5.47 |
| 567315950 | THAP domain-containing protein 5 isoform 3 [Homo sapiens] | 3.00 | 3 | 1 | 1 | 6 | 1.022 | 2 | 11.1 | 1.053 | 2 | 10.9 | 145.30 | 3.00 | 3 | 6 | 233 | 26.5 | 4.92 |
| 58761500 | obg-like ATPase 1 isoform 1 [Homo sapiens] | 14.65 | 2 | 4 | 5 | 16 | 1.022 | 5 | 7.0 | 1.020 | 5 | 13.5 | 600.97 | 14.65 | 13 | 16 | 396 | 44.7 | 7.81 |
| 20986512 | mitogen-activated protein kinase 14 isoform 2 [Homo sapiens] | 44.72 | 47 | 10 | 11 | 52 | 1.021 | 12 | 2.5 | 1.090 | 12 | 25.4 | 1324.46 | 44.72 | 30 | 52 | 360 | 41.3 | 5.78 |
| 4506671 | 60S acidic ribosomal protein P2 [Homo sapiens] | 70.43 | 1 | 4 | 5 | 22 | 1.021 | 6 | 9.3 | 1.078 | 6 | 46.4 | 750.70 | 70.43 | 13 | 22 | 115 | 11.7 | 4.54 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4502565 | calpain small subunit 1 [Homo sapiens] | 48.88 | 4 | 9 | 10 | 95 | 1.021 | 23 | 8.0 | 1.149 | 22 | 11.1 | 2669.60 | 48.88 | 28 | 95 | 268 | 28.3 | 5.20 |
| 355594753 | clusterin preproprotein [Homo sapiens] | 41.65 | 2 | 13 | 14 | 134 | 1.021 | 40 | 5.3 | 1.251 | 37 | 16.9 | 5046.73 | 41.65 | 39 | 134 | 449 | 52.5 | 6.27 |
| 73747917 | antigen peptide transporter 2 isoform 2 [Homo sapiens] | 8.12 | 3 | 1 | 6 | 19 | 1.021 | 3 | 5.3 | **10.119** | 2 | 2445.6 | 100.16 | 8.12 | 9 | 19 | 653 | 72.0 | 7.84 |
| 5453597 | F-actin-capping protein subunit alpha-1 [Homo sapiens] | 68.18 | 5 | 10 | 13 | 212 | 1.021 | 46 | 9.4 | 1.247 | 42 | 29.0 | 8308.36 | 68.18 | 38 | 212 | 286 | 32.9 | 5.69 |
| 530376754 | PREDICTED: acyl-CoA synthetase family member 4 isoform X6 [Homo sapiens] | 3.93 | 8 | 1 | 4 | 34 | 1.021 | 6 | 5.5 | 1.108 | 6 | 3.5 | 351.49 | 3.93 | 9 | 34 | 789 | 89.0 | 7.97 |
| 21313638 | leucine-rich repeat LGI family member 2 precursor [Homo sapiens] | 1.28 | 1 | 1 | 1 | 2 | 1.021 | 1 |  | 1.214 | 1 |  | 38.44 | 1.28 | 2 | 2 | 545 | 62.3 | 6.93 |
| 4507145 | sorting nexin-4 [Homo sapiens] | 2.00 | 1 | 1 | 1 | 2 | 1.021 | 1 |  | 1.079 | 1 |  | 47.05 | 2.00 | 2 | 2 | 450 | 51.9 | 5.99 |
| 156151392 | heterogeneous nuclear ribonucleoprotein R isoform 4 [Homo sapiens] | 10.71 | 7 | 2 | 6 | 24 | 1.021 | 2 | 3.0 | 1.192 | 2 | 3.7 | 610.14 | 10.71 | 18 | 24 | 532 | 59.6 | 9.16 |
| 197927454 | protein DEK isoform 2 [Homo sapiens] | 21.41 | 3 | 5 | 8 | 32 | 1.021 | 8 | 6.0 | 1.134 | 8 | 16.6 | 901.24 | 21.41 | 21 | 32 | 341 | 38.7 | 8.15 |
| 573014819 | X-ray repair cross-complementing protein 6 isoform 3 [Homo sapiens] | 32.38 | 7 | 15 | 17 | 60 | 1.021 | 16 | 6.3 | 1.113 | 16 | 16.3 | 1465.40 | 32.38 | 47 | 60 | 559 | 64.2 | 9.28 |
| 578798632 | PREDICTED: tyrosine-protein kinase Fgr isoform X1 [Homo sapiens] | 34.03 | 92 | 10 | 12 | 61 | 1.021 | 16 | 7.5 | 1.209 | 16 | 27.7 | 1781.27 | 34.03 | 34 | 61 | 529 | 59.4 | 5.59 |
| 154759259 | spectrin alpha chain, non-erythrocytic 1 isoform 2 [Homo sapiens] | 38.03 | 20 | 62 | 75 | 291 | 1.021 | 86 | 6.5 | 1.186 | 86 | 16.5 | 10470.93 | 38.03 | 200 | 291 | 2472 | 284.4 | 5.35 |
| 4504523 | 10 kDa heat shock protein, mitochondrial [Homo sapiens] | 18.63 | 1 | 2 | 2 | 9 | 1.021 | 3 | 2.1 | 1.002 | 3 | 3.5 | 195.69 | 18.63 | 6 | 9 | 102 | 10.9 | 8.92 |
| 4503977 | starch-binding domain-containing protein 1 [Homo sapiens] | 3.63 | 1 | 1 | 2 | 3 | 1.020 | 1 |  | 1.167 | 1 |  | 31.67 | 3.63 | 3 | 3 | 358 | 39.0 | 5.73 |
| 4502133 | serum amyloid P-component precursor [Homo sapiens] | 34.53 | 1 | 8 | 8 | 89 | 1.020 | 30 | 5.4 | 1.386 | 29 | 15.1 | 2992.18 | 34.53 | 23 | 89 | 223 | 25.4 | 6.54 |
| 530389297 | PREDICTED: GDP-L-fucose synthase isoform X2 [Homo sapiens] | 13.61 | 4 | 4 | 7 | 17 | 1.020 | 4 | 3.5 | 1.127 | 4 | 8.8 | 337.81 | 13.61 | 17 | 17 | 441 | 48.3 | 6.79 |
| 60097902 | filaggrin [Homo sapiens] | 16.55 | 1 | 14 | 21 | 100 | 1.020 | 23 | 11.1 | 1.081 | 23 | 8.3 | 2590.94 | 16.55 | 47 | 100 | 4061 | 434.9 | 9.25 |
| 578803915 | PREDICTED: heterogeneous nuclear ribonucleoprotein A3 isoform X4 [Homo sapiens] | 30.51 | 6 | 7 | 11 | 84 | 1.020 | 15 | 4.7 | 1.152 | 15 | 6.1 | 1971.90 | 30.51 | 32 | 84 | 331 | 35.4 | 9.17 |
| 530406069 | PREDICTED: transient receptor potential cation channel subfamily M member 7 isoform X3 [Ho | 4.29 | 6 | 1 | 7 | 27 | 1.020 | 2 | 1.0 | 1.145 | 2 | 3.2 | 101.93 | 4.29 | 14 | 27 | 1864 | 212.5 | 7.88 |
| 6806898 | alpha-synuclein isoform NACP112 [Homo sapiens] | 19.64 | 4 | 2 | 2 | 8 | 1.020 | 3 | 3.0 | 1.005 | 3 | 8.8 | 373.94 | 19.64 | 5 | 8 | 112 | 11.4 | 8.29 |
| 5031877 | lamin-B1 isoform 1 [Homo sapiens] | 52.05 | 2 | 21 | 27 | 114 | 1.020 | 33 | 6.5 | 1.163 | 33 | 10.9 | 4715.70 | 52.05 | 72 | 114 | 586 | 66.4 | 5.16 |
| 4758484 | glutathione S-transferase omega-1 isoform 1 [Homo sapiens] | 85.06 | 3 | 18 | 23 | 191 | 1.020 | 62 | 6.1 | 1.162 | 59 | 13.7 | 5142.34 | 85.06 | 66 | 191 | 241 | 27.5 | 6.60 |
| 530381195 | PREDICTED: docking protein 3 isoform X2 [Homo sapiens] | 7.95 | 5 | 2 | 2 | 6 | 1.020 | 2 | 5.3 | 1.165 | 2 | 31.5 | 234.22 | 7.95 | 6 | 6 | 440 | 47.6 | 7.61 |
| 10947139 | arginase-1 isoform 2 [Homo sapiens] | 61.80 | 7 | 14 | 16 | 92 | 1.020 | 27 | 6.5 | 1.196 | 26 | 16.6 | 2738.86 | 61.80 | 48 | 92 | 322 | 34.7 | 7.21 |
| 14702180 | eukaryotic translation initiation factor 4H isoform 2 [Homo sapiens] | 18.42 | 2 | 2 | 2 | 9 | 1.020 | 3 | 2.0 | 0.902 | 3 | 19.5 | 323.96 | 18.42 | 6 | 9 | 228 | 25.2 | 8.09 |
| 19923142 | importin subunit beta-1 isoform 1 [Homo sapiens] | 22.49 | 2 | 16 | 17 | 66 | 1.020 | 23 | 7.1 | 1.185 | 21 | 12.1 | 2020.35 | 22.49 | 48 | 66 | 876 | 97.1 | 4.78 |
| 530384863 | PREDICTED: probable palmitoyltransferase ZDHHC4 isoform X1 [Homo sapiens] | 6.40 | 1 | 1 | 2 | 9 | 1.020 | 1 |  | 1.144 | 1 |  | 23.87 | 6.40 | 2 | 9 | 344 | 39.8 | 7.36 |
| 530384472 | PREDICTED: chromobox protein homolog 3 isoform X1 [Homo sapiens] | 49.73 | 3 | 6 | 7 | 38 | 1.020 | 13 | 13.8 | 1.120 | 11 | 36.1 | 1114.49 | 49.73 | 19 | 38 | 183 | 20.8 | 5.33 |
| 5453990 | proteasome activator complex subunit 1 isoform 1 [Homo sapiens] | 63.05 | 4 | 14 | 15 | 87 | 1.019 | 23 | 5.8 | 1.283 | 23 | 17.3 | 2625.39 | 63.05 | 41 | 87 | 249 | 28.7 | 6.02 |
| 40353734 | nucleophosmin isoform 2 [Homo sapiens] | 36.98 | 5 | 7 | 8 | 46 | 1.019 | 15 | 6.6 | 1.130 | 15 | 11.9 | 2153.29 | 36.98 | 22 | 46 | 265 | 29.4 | 4.61 |
| 18375644 | tyrosine-protein phosphatase non-receptor type 11 isoform 2 [Homo sapiens] | 9.35 | 4 | 2 | 4 | 10 | 1.019 | 2 | 11.4 | 1.348 | 2 | 13.1 | 168.38 | 9.35 | 9 | 10 | 460 | 52.8 | 7.44 |
| 578830584 | PREDICTED: protein unc-13 homolog D isoform X1 [Homo sapiens] | 13.63 | 3 | 5 | 10 | 35 | 1.019 | 5 | 11.7 | 1.012 | 5 | 26.2 | 909.55 | 13.63 | 23 | 35 | 1071 | 120.6 | 6.40 |
| 12025678 | alpha-actinin-4 [Homo sapiens] | 75.08 | 5 | 33 | 56 | 692 | 1.019 | 102 | 8.9 | 1.148 | 98 | 19.7 | 25500.34 | 75.08 | 163 | 692 | 911 | 104.8 | 5.44 |
| 375331941 | dipeptidyl peptidase 3 isoform 2 [Homo sapiens] | 14.29 | 2 | 5 | 7 | 33 | 1.019 | 8 | 5.9 | 1.150 | 8 | 23.0 | 1433.71 | 14.29 | 19 | 33 | 707 | 79.3 | 5.03 |
| 5902072 | serpin B3 [Homo sapiens] | 35.64 | 2 | 10 | 14 | 56 | 1.019 | 15 | 16.3 | 1.042 | 15 | 4.7 | 1615.74 | 35.64 | 37 | 56 | 390 | 44.5 | 6.81 |
| 14790115 | caspase-3 preproprotein [Homo sapiens] | 11.55 | 1 | 3 | 4 | 9 | 1.019 | 3 | 8.0 | 1.178 | 3 | 8.1 | 183.83 | 11.55 | 9 | 9 | 277 | 31.6 | 6.54 |
| 87196339 | collagen alpha-1(VI) chain precursor [Homo sapiens] | 11.58 | 2 | 9 | 10 | 42 | 1.019 | 14 | 9.9 | 1.072 | 14 | 7.7 | 1416.33 | 11.58 | 28 | 42 | 1028 | 108.5 | 5.43 |
| 17149844 | peptidyl-prolyl cis-trans isomerase FKBP2 precursor [Homo sapiens] | 14.79 | 1 | 1 | 2 | 10 | 1.019 | 3 | 0.1 | 1.045 | 3 | 9.5 | 133.26 | 14.79 | 4 | 10 | 142 | 15.6 | 9.13 |
| 4501891 | alpha-actinin-1 isoform b [Homo sapiens] | 78.59 | 40 | 41 | 65 | 953 | 1.019 | 169 | 7.9 | 1.166 | 164 | 18.2 | 34229.23 | 78.59 | 194 | 953 | 892 | 103.0 | 5.41 |
| 10863927 | peptidyl-prolyl cis-trans isomerase A [Homo sapiens] | 74.55 | 20 | 12 | 13 | 436 | 1.019 | 117 | 8.8 | 1.191 | 116 | 19.8 | 14043.41 | 74.55 | 39 | 436 | 165 | 18.0 | 7.81 |
| 109689695 | transient receptor potential cation channel subfamily M member 8 [Homo sapiens] | 2.72 | 1 | 1 | 4 | 14 | 1.019 | 1 |  | 1.351 | 1 |  | 43.45 | 2.72 | 7 | 14 | 1104 | 127.6 | 7.24 |
| 4506613 | 60S ribosomal protein L22 proprotein [Homo sapiens] | 20.31 | 1 | 1 | 1 | 6 | 1.018 | 2 | 1.4 | 1.473 | 2 | 38.3 | 409.64 | 20.31 | 3 | 6 | 128 | 14.8 | 9.19 |
| 530372330 | PREDICTED: Golgin subfamily A member 4 isoform X7 [Homo sapiens] | 5.83 | 10 | 1 | 16 | 54 | 1.018 | 1 |  | 1.062 | 1 |  | 56.80 | 5.83 | 26 | 54 | 2214 | 259.0 | 5.36 |
| 4507555 | thymopoietin isoform alpha [Homo sapiens] | 16.28 | 5 | 7 | 8 | 43 | 1.018 | 13 | 1.9 | 1.206 | 13 | 8.0 | 2129.17 | 16.28 | 22 | 43 | 694 | 75.4 | 7.66 |
| 4557797 | nucleoside diphosphate kinase A isoform b [Homo sapiens] | 53.29 | 2 | 1 | 8 | 98 | 1.018 | 2 | 4.7 | 1.154 | 2 | 24.4 | 3126.20 | 53.29 | 23 | 98 | 152 | 17.1 | 6.19 |
| 58218968 | calmodulin [Homo sapiens] | 81.21 | 2 | 10 | 13 | 140 | 1.018 | 38 | 11.2 | 1.176 | 38 | 14.5 | 5582.30 | 81.21 | 36 | 140 | 149 | 16.8 | 4.22 |
| 7661920 | eukaryotic initiation factor 4A-III [Homo sapiens] | 14.11 | 1 | 1 | 6 | 13 | 1.018 | 1 |  | 1.009 | 1 |  | 143.53 | 14.11 | 10 | 13 | 411 | 46.8 | 6.73 |
| 530385393 | PREDICTED: nicotinamide phosphoribosyltransferase isoform X1 [Homo sapiens] | 69.86 | 1 | 26 | 27 | 302 | 1.018 | 87 | 6.0 | 1.234 | 87 | 20.0 | 9255.69 | 69.86 | 79 | 302 | 491 | 55.5 | 7.15 |
| 23110939 | proteasome subunit alpha type-3 isoform 2 [Homo sapiens] | 24.19 | 21 | 7 | 7 | 41 | 1.018 | 12 | 4.0 | 1.180 | 12 | 11.6 | 1418.61 | 24.19 | 21 | 41 | 248 | 27.6 | 5.33 |
| 156231037 | kininogen-1 isoform 1 precursor [Homo sapiens] | 48.91 | 1 | 4 | 34 | 510 | 1.018 | 9 | 2.9 | 1.230 | 9 | 17.6 | 15980.92 | 48.91 | 94 | 510 | 644 | 71.9 | 6.81 |
| 4502261 | antithrombin-III precursor [Homo sapiens] | 65.95 | 2 | 32 | 33 | 467 | 1.018 | 128 | 9.1 | 1.131 | 126 | 12.9 | 13604.88 | 65.95 | 94 | 467 | 464 | 52.6 | 6.71 |
| 153791507 | leucine-rich repeat neuronal protein 3 precursor [Homo sapiens] | 3.25 | 1 | 1 | 3 | 4 | 1.018 | 1 |  | 1.182 | 1 |  | 35.42 | 3.25 | 3 | 4 | 708 | 79.4 | 7.83 |
| 50593002 | U2 small nuclear ribonucleoprotein A' [Homo sapiens] | 25.49 | 1 | 3 | 5 | 12 | 1.018 | 3 | 0.9 | 1.324 | 3 | 13.4 | 475.51 | 25.49 | 12 | 12 | 255 | 28.4 | 8.62 |
| 5174735 | tubulin beta-4B chain [Homo sapiens] | 55.73 | 4 | 4 | 20 | 195 | 1.018 | 11 | 5.6 | 1.232 | 11 | 22.4 | 6804.17 | 55.73 | 56 | 195 | 445 | 49.8 | 4.89 |
| 530410446 | PREDICTED: alpha-2-antiplasmin isoform X6 [Homo sapiens] | 40.73 | 7 | 11 | 13 | 83 | 1.018 | 27 | 7.2 | 1.153 | 27 | 16.1 | 3088.17 | 40.73 | 35 | 83 | 464 | 51.7 | 6.29 |
| 194248072 | heat shock 70 kDa protein 1A/1B [Homo sapiens] | 71.61 | 61 | 30 | 40 | 802 | 1.018 | 196 | 9.4 | 1.195 | 182 | 17.4 | 29008.35 | 71.61 | 114 | 802 | 641 | 70.0 | 5.66 |
| 29150261 | gamma-interferon-inducible lysosomal thiol reductase preproprotein [Homo sapiens] | 11.60 | 1 | 1 | 1 | 8 | 1.018 | 1 |  |  |  |  | 105.76 | 11.60 | 3 | 8 | 250 | 27.9 | 4.88 |
| 13489054 | dual specificity mitogen-activated protein kinase kinase 2 [Homo sapiens] | 17.75 | 2 | 2 | 8 | 23 | 1.018 | 2 | 0.7 | 1.125 | 2 | 0.0 | 503.77 | 17.75 | 18 | 23 | 400 | 44.4 | 6.55 |
| 166235148 | osteoclast-stimulating factor 1 [Homo sapiens] | 38.79 | 4 | 6 | 6 | 56 | 1.018 | 18 | 5.3 | 1.252 | 18 | 24.4 | 2118.26 | 38.79 | 18 | 56 | 214 | 23.8 | 5.68 |
| 166197660 | complement component C8 gamma chain precursor [Homo sapiens] | 55.94 | 1 | 7 | 7 | 48 | 1.017 | 16 | 8.2 | 1.131 | 14 | 9.0 | 1476.33 | 55.94 | 20 | 48 | 202 | 22.3 | 8.31 |
| 21624607 | coactosin-like protein [Homo sapiens] | 78.87 | 1 | 11 | 12 | 105 | 1.017 | 31 | 4.8 | 1.173 | 31 | 12.6 | 2794.79 | 78.87 | 35 | 105 | 142 | 15.9 | 5.67 |
| 14141161 | heterogeneous nuclear ribonucleoprotein U isoform b [Homo sapiens] | 22.70 | 2 | 13 | 17 | 121 | 1.017 | 28 | 9.0 | 1.213 | 28 | 22.5 | 4097.87 | 22.70 | 45 | 121 | 806 | 88.9 | 5.78 |
| 71565154 | alcohol dehydrogenase class-3 [Homo sapiens] | 6.42 | 1 | 3 | 4 | 14 | 1.017 | 3 | 5.1 | 1.227 | 3 | 4.6 | 249.31 | 6.42 | 10 | 14 | 374 | 39.7 | 7.49 |
| 55956788 | nucleolin [Homo sapiens] | 23.10 | 1 | 12 | 17 | 76 | 1.017 | 21 | 8.3 | 1.115 | 21 | 14.4 | 2754.22 | 23.10 | 43 | 76 | 710 | 76.6 | 4.70 |
| 578825752 | PREDICTED: heterogeneous nuclear ribonucleoproteins C1/C2 isoform X2 [Homo sapiens] | 35.49 | 7 | 10 | 12 | 78 | 1.017 | 23 | 7.9 | 1.240 | 23 | 17.3 | 2158.36 | 35.49 | 35 | 78 | 293 | 32.3 | 5.08 |
| 578822169 | PREDICTED: heat shock cognate 71 kDa protein isoform X1 [Homo sapiens] | 56.04 | 2 | 22 | 38 | 516 | 1.017 | 89 | 6.9 | 1.182 | 89 | 14.5 | 16380.28 | 56.04 | 107 | 516 | 646 | 70.9 | 5.52 |
| 530368014 | PREDICTED: spectrin beta chain, non-erythrocytic 1 isoform X2 [Homo sapiens] | 28.03 | 5 | 39 | 58 | 184 | 1.017 | 50 | 5.4 | 1.233 | 49 | 24.5 | 5762.35 | 28.03 | 146 | 184 | 2351 | 272.7 | 5.64 |
| 530416136 | PREDICTED: protein LSM14 homolog A isoform X2 [Homo sapiens] | 12.62 | 3 | 1 | 6 | 20 | 1.017 | 3 | 9.4 | 1.316 | 3 | 19.0 | 196.17 | 12.62 | 8 | 20 | 428 | 47.1 | 9.13 |
| 530402312 | PREDICTED: high mobility group protein B1 isoform X1 [Homo sapiens] | 53.49 | 2 | 10 | 17 | 200 | 1.017 | 40 | 4.6 | 1.178 | 40 | 16.6 | 5592.58 | 53.49 | 49 | 200 | 215 | 24.9 | 5.74 |
| 21361302 | kallistatin isoform 2 precursor [Homo sapiens] | 5.15 | 2 | 2 | 3 | 6 | 1.017 | 2 | 0.4 | 1.098 | 2 | 1.1 | 153.37 | 5.15 | 6 | 6 | 427 | 48.5 | 7.75 |
| 11056061 | thymosin beta-4 [Homo sapiens] | 56.82 | 1 | 7 | 8 | 120 | 1.017 | 37 | 4.6 | 1.125 | 37 | 11.9 | 3039.58 | 56.82 | 22 | 120 | 44 | 5.0 | 5.06 |
| 31377468 | dedicator of cytokinesis protein 2 [Homo sapiens] | 6.34 | 2 | 4 | 13 | 29 | 1.017 | 4 | 0.5 | 1.230 | 4 | 16.0 | 375.66 | 6.34 | 21 | 29 | 1830 | 211.8 | 6.87 |
| 11128019 | cytochrome c [Homo sapiens] | 45.71 | 1 | 4 | 5 | 22 | 1.017 | 7 | 2.7 | 1.149 | 7 | 12.3 | 630.90 | 45.71 | 13 | 22 | 105 | 11.7 | 9.57 |
| 52632383 | heterogeneous nuclear ribonucleoprotein L isoform a [Homo sapiens] | 47.37 | 2 | 12 | 15 | 65 | 1.017 | 18 | 7.3 | 1.155 | 17 | 28.8 | 2687.55 | 47.37 | 39 | 65 | 589 | 64.1 | 8.22 |
| 56676393 | rho GDP-dissociation inhibitor 2 [Homo sapiens] | 87.06 | 9 | 19 | 21 | 379 | 1.017 | 122 | 8.7 | 1.151 | 122 | 16.4 | 12128.91 | 87.06 | 61 | 379 | 201 | 23.0 | 5.21 |
| 530402335 | PREDICTED: plastin-2 isoform X2 [Homo sapiens] | 91.87 | 4 | 53 | 56 | 1264 | 1.016 | 352 | 8.1 | 1.218 | 349 | 20.0 | 43324.29 | 91.87 | 165 | 1264 | 627 | 70.2 | 5.43 |
| 4885165 | cystatin-A [Homo sapiens] | 27.55 | 1 | 1 | 2 | 9 | 1.016 | 1 |  | 1.371 | 1 |  | 212.97 | 27.55 | 6 | 9 | 98 | 11.0 | 5.50 |
| 67782305 | superoxide dismutase [Mn], mitochondrial isoform A precursor [Homo sapiens] | 39.19 | 2 | 6 | 7 | 46 | 1.016 | 15 | 5.2 | 1.076 | 15 | 8.3 | 1721.07 | 39.19 | 20 | 46 | 222 | 24.7 | 8.25 |
| 66932947 | alpha-2-macroglobulin precursor [Homo sapiens] | 77.82 | 25 | 82 | 97 | 3209 | 1.016 | 787 | 8.9 | 1.232 | 762 | 23.4 | 127785.40 | 77.82 | 285 | 3209 | 1474 | 163.2 | 6.42 |
| 578820749 | PREDICTED: tubby protein homolog isoform X2 [Homo sapiens] | 2.88 | 4 | 1 | 1 | 4 | 1.016 | 2 | 4.3 | 1.853 | 2 | 56.1 | 62.18 | 2.88 | 2 | 4 | 451 | 48.6 | 9.36 |
| 578838657 | PREDICTED: septin-6 isoform X3 [Homo sapiens] | 28.10 | 18 | 4 | 9 | 32 | 1.016 | 4 | 0.4 | 1.048 | 4 | 8.8 | 480.56 | 28.10 | 22 | 32 | 427 | 48.8 | 6.81 |
| 7661922 | ras-related protein Rab-21 [Homo sapiens] | 13.78 | 1 | 3 | 3 | 17 | 1.016 | 5 | 7.2 | 1.452 | 5 | 10.9 | 498.33 | 13.78 | 9 | 17 | 225 | 24.3 | 7.94 |
| 46049114 | kinesin-like protein KIF20B isoform 2 [Homo sapiens] | 7.36 | 21 | 1 | 18 | 78 | 1.016 | 2 | 21.2 | 1.180 | 2 | 0.9 | 169.31 | 7.36 | 31 | 78 | 1780 | 206.0 | 5.77 |
| 21536326 | heterogeneous nuclear ribonucleoprotein U-like protein 1 isoform a [Homo sapiens] | 15.65 | 10 | 5 | 12 | 39 | 1.016 | 7 | 8.5 | 1.290 | 7 | 5.4 | 708.21 | 15.65 | 28 | 39 | 856 | 95.7 | 6.92 |
| 23065544 | glutathione S-transferase Mu 1 isoform 1 [Homo sapiens] | 55.96 | 8 | 11 | 12 | 50 | 1.016 | 16 | 4.0 | 1.221 | 16 | 8.9 | 1983.53 | 55.96 | 34 | 50 | 218 | 25.7 | 6.70 |
| 332205939 | ras-related protein Rab-11A isoform 2 [Homo sapiens] | 26.45 | 3 | 4 | 4 | 35 | 1.016 | 11 | 2.5 | 1.192 | 11 | 4.8 | 1113.67 | 26.45 | 12 | 35 | 155 | 17.6 | 8.85 |
| 156616273 | pleckstrin [Homo sapiens] | 35.43 | 1 | 8 | 10 | 49 | 1.016 | 13 | 5.0 | 1.108 | 13 | 22.1 | 1389.01 | 35.43 | 25 | 49 | 350 | 40.1 | 8.28 |
| 530380590 | PREDICTED: prefoldin subunit 1 isoform X1 [Homo sapiens] | 18.26 | 2 | 2 | 2 | 6 | 1.016 | 2 | 9.2 | 1.108 | 2 | 31.1 | 195.09 | 18.26 | 6 | 6 | 115 | 13.2 | 6.32 |
| 112421122 | dnaJ homolog subfamily C member 13 [Homo sapiens] | 3.74 | 2 | 2 | 9 | 35 | 1.016 | 2 | 2.2 | 1.493 | 2 | 51.7 | 198.30 | 3.74 | 19 | 35 | 2243 | 254.3 | 6.74 |
| 31542319 | coatomer subunit epsilon isoform a [Homo sapiens] | 22.73 | 3 | 3 | 5 | 23 | 1.016 | 3 | 1.1 | 1.189 | 3 | 0.3 | 536.99 | 22.73 | 14 | 23 | 308 | 34.5 | 5.12 |
| 100913206 | ATP-dependent RNA helicase A [Homo sapiens] | 5.28 | 1 | 4 | 8 | 21 | 1.016 | 3 | 1.8 | 1.174 | 3 | 7.8 | 449.68 | 5.28 | 16 | 21 | 1270 | 140.9 | 6.84 |
| 530385906 | PREDICTED: leucine-rich repeat and calponin homology domain-containing protein 4 isoform X | 6.76 | 4 | 1 | 4 | 6 | 1.016 | 1 |  | 1.651 | 1 |  | 23.73 | 6.76 | 4 | 6 | 621 | 66.4 | 7.58 |
| 15149476 | arginine--tRNA ligase, cytoplasmic [Homo sapiens] | 10.91 | 1 | 3 | 8 | 16 | 1.015 | 3 | 6.7 | 1.073 | 3 | 22.4 | 310.03 | 10.91 | 16 | 16 | 660 | 75.3 | 6.68 |
| 4505763 | phosphoglycerate kinase 1 [Homo sapiens] | 80.58 | 2 | 32 | 34 | 686 | 1.015 | 211 | 7.6 | 1.141 | 208 | 14.9 | 22381.97 | 80.58 | 97 | 686 | 417 | 44.6 | 8.10 |
| 33589854 | biliverdin reductase A precursor [Homo sapiens] | 35.14 | 1 | 6 | 8 | 37 | 1.015 | 10 | 4.0 | 1.138 | 10 | 8.4 | 954.29 | 35.14 | 22 | 37 | 296 | 33.4 | 6.44 |
| 4758648 | kinesin-1 heavy chain [Homo sapiens] | 12.67 | 3 | 4 | 12 | 45 | 1.015 | 4 | 5.5 | 0.955 | 4 | 3.6 | 367.89 | 12.67 | 19 | 45 | 963 | 109.6 | 6.51 |
| 431822408 | heat shock protein HSP 90-beta isoform c [Homo sapiens] | 46.50 | 13 | 14 | 35 | 262 | 1.015 | 26 | 4.3 | 1.135 | 25 | 23.7 | 9083.63 | 46.50 | 102 | 262 | 714 | 82.3 | 5.06 |
| 10863977 | U6 snRNA-associated Sm-like protein LSm2 [Homo sapiens] | 54.74 | 1 | 3 | 4 | 9 | 1.015 | 3 | 0.8 | 1.203 | 2 | 10.6 | 256.50 | 54.74 | 9 | 9 | 95 | 10.8 | 6.52 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19923106 | serum paraoxonase/arylesterase 1 precursor [Homo sapiens] | 55.21 | 2 | 11 | 12 | 114 | 1.015 | 32 | 9.9 | 1.358 | 30 | 40.0 | 5024.35 | 55.21 | 36 | 114 | 355 | 39.7 | 5.22 |
| 4759160 | small nuclear ribonucleoprotein Sm D3 [Homo sapiens] | 26.19 | 1 | 1 | 4 | 9 | 1.015 | 1 |  | 1.082 | 1 |  | 138.17 | 26.19 | 7 | 9 | 126 | 13.9 | 10.32 |
| 68799814 | AP-2 complex subunit mu isoform b [Homo sapiens] | 8.31 | 2 | 2 | 5 | 9 | 1.015 | 2 | 1.8 | 1.219 | 2 | 3.5 | 107.38 | 8.31 | 9 | 9 | 433 | 49.4 | 9.54 |
| 38201644 | homeodomain-interacting protein kinase 1 isoform 4 [Homo sapiens] | 2.08 | 1 | 1 | 2 | 3 | 1.015 | 1 |  | 1.354 | 1 |  | 29.41 | 2.08 | 2 | 3 | 816 | 87.2 | 8.59 |
| 10834978 | interleukin-8 precursor [Homo sapiens] | 25.25 | 1 | 2 | 2 | 9 | 1.015 | 2 | 3.8 | 1.248 | 2 | 10.9 | 228.63 | 25.25 | 6 | 9 | 99 | 11.1 | 8.84 |
| 31742503 | histone H3.2 [Homo sapiens] | 58.82 | 3 | 1 | 11 | 112 | 1.015 | 7 | 13.1 | 1.030 | 4 | 12.7 | 2320.74 | 58.82 | 33 | 112 | 136 | 15.4 | 11.27 |
| 23110962 | cathepsin S isoform 1 preproprotein [Homo sapiens] | 34.44 | 12 | 8 | 12 | 90 | 1.015 | 13 | 8.0 | 1.217 | 13 | 14.2 | 1143.67 | 34.44 | 29 | 90 | 331 | 37.5 | 8.34 |
| 74136549 | AT-rich interactive domain-containing protein 5B isoform 1 [Homo sapiens] | 2.78 | 2 | 1 | 4 | 6 | 1.015 | 1 |  | **2.075** | 1 |  | 29.80 | 2.78 | 4 | 6 | 1188 | 132.3 | 8.72 |
| 21956645 | myotrophin [Homo sapiens] | 61.86 | 1 | 7 | 7 | 55 | 1.015 | 18 | 5.7 | 1.104 | 18 | 11.0 | 1822.54 | 61.86 | 20 | 55 | 118 | 12.9 | 5.52 |
| 578828075 | PREDICTED: pyrin isoform X1 [Homo sapiens] | 9.62 | 3 | 2 | 7 | 27 | 1.014 | 2 | 1.6 | 1.133 | 2 | 3.3 | 305.41 | 9.62 | 12 | 27 | 780 | 86.3 | 7.94 |
| 5454158 | valine--tRNA ligase [Homo sapiens] | 8.86 | 3 | 6 | 8 | 23 | 1.014 | 6 | 1.2 | 1.185 | 6 | 24.0 | 697.82 | 8.86 | 21 | 23 | 1264 | 140.4 | 7.59 |
| 112790163 | metal regulatory transcription factor 1 [Homo sapiens] | 1.20 | 1 | 1 | 1 | 8 | 1.014 | 1 |  |  |  |  | 68.75 | 1.20 | 3 | 8 | 753 | 80.9 | 5.30 |
| 5031863 | galectin-3-binding protein precursor [Homo sapiens] | 24.79 | 1 | 9 | 10 | 45 | 1.014 | 15 | 3.7 | 1.243 | 15 | 33.4 | 1788.59 | 24.79 | 30 | 45 | 585 | 65.3 | 5.27 |
| 21735621 | malate dehydrogenase, mitochondrial isoform 1 precursor [Homo sapiens] | 24.26 | 3 | 6 | 6 | 25 | 1.014 | 8 | 4.1 | 1.162 | 8 | 20.2 | 979.89 | 24.26 | 17 | 25 | 338 | 35.5 | 8.68 |
| 40254866 | charged multivesicular body protein 2b isoform 1 [Homo sapiens] | 21.13 | 2 | 1 | 5 | 9 | 1.014 | 1 |  | 1.141 | 1 |  | 127.79 | 21.13 | 9 | 9 | 213 | 23.9 | 8.76 |
| 4506549 | non-secretory ribonuclease precursor [Homo sapiens] | 19.88 | 1 | 3 | 3 | 35 | 1.014 | 12 | 12.8 | 1.225 | 12 | 22.5 | 1479.42 | 19.88 | 9 | 35 | 161 | 18.3 | 8.73 |
| 157276599 | bactericidal permeability-increasing protein precursor [Homo sapiens] | 59.14 | 7 | 19 | 21 | 250 | 1.014 | 66 | 9.3 | 1.285 | 55 | 31.7 | 7690.95 | 59.14 | 63 | 250 | 487 | 53.9 | 9.38 |
| 153251270 | calcineurin-like phosphoesterase domain-containing protein 1 isoform a [Homo sapiens] | 55.41 | 2 | 13 | 14 | 55 | 1.014 | 16 | 5.8 | 1.163 | 16 | 9.1 | 2085.40 | 55.41 | 42 | 55 | 314 | 35.5 | 6.20 |
| 222352151 | poly(rC)-binding protein 1 [Homo sapiens] | 29.49 | 1 | 4 | 7 | 20 | 1.014 | 5 | 5.4 | 1.302 | 5 | 17.7 | 671.63 | 29.49 | 18 | 20 | 356 | 37.5 | 7.09 |
| 4503471 | elongation factor 1-alpha 1 [Homo sapiens] | 56.71 | 2 | 17 | 18 | 200 | 1.014 | 62 | 6.2 | 1.157 | 57 | 13.1 | 7118.03 | 56.71 | 53 | 200 | 462 | 50.1 | 9.01 |
| 8923110 | nuclear distribution protein nudE homolog 1 [Homo sapiens] | 8.66 | 8 | 1 | 4 | 13 | 1.014 | 1 |  | 1.229 | 1 |  | 164.37 | 8.66 | 10 | 13 | 335 | 37.7 | 5.15 |
| 402478626 | low affinity immunoglobulin gamma Fc region receptor III-B isoform 4 [Homo sapiens] | 31.94 | 9 | 6 | 8 | 29 | 1.014 | 8 | 5.5 | 1.206 | 8 | 24.1 | 812.75 | 31.94 | 19 | 29 | 216 | 24.4 | 6.71 |
| 4506695 | 40S ribosomal protein S19 [Homo sapiens] | 6.21 | 1 | 1 | 1 | 29 | 1.014 | 1 |  | 1.214 | 1 |  | 167.90 | 6.21 | 3 | 29 | 145 | 16.1 | 10.32 |
| 223890219 | RNA-binding motif protein, X-linked-like-3 [Homo sapiens] | 4.69 | 2 | 1 | 5 | 25 | 1.014 | 1 |  | 0.935 | 1 |  | 574.27 | 4.69 | 8 | 25 | 1067 | 114.9 | 9.10 |
| 530402176 | PREDICTED: sister chromatid cohesion protein PDS5 homolog B isoform X2 [Homo sapiens] | 6.30 | 11 | 1 | 10 | 30 | 1.014 | 2 | 3.1 | 0.983 | 2 | 11.0 | 567.97 | 6.30 | 20 | 30 | 1445 | 164.3 | 8.43 |
| 4557894 | lysozyme C precursor [Homo sapiens] | 72.30 | 1 | 12 | 12 | 479 | 1.014 | 143 | 8.0 | 1.245 | 141 | 16.7 | 13782.83 | 72.30 | 36 | 479 | 148 | 16.5 | 9.16 |
| 55743122 | retinol-binding protein 4 precursor [Homo sapiens] | 76.12 | 2 | 11 | 12 | 239 | 1.013 | 76 | 6.9 | 1.143 | 74 | 16.9 | 8428.62 | 76.12 | 36 | 239 | 201 | 23.0 | 6.07 |
| 58533161 | PDZ and LIM domain protein 5 isoform e [Homo sapiens] | 6.54 | 7 | 1 | 1 | 2 | 1.013 | 1 |  | 0.984 | 1 |  | 44.82 | 6.54 | 2 | 2 | 214 | 23.8 | 9.92 |
| 38016914 | deoxynucleoside triphosphate triphosphohydrolase SAMHD1 [Homo sapiens] | 15.97 | 2 | 3 | 8 | 38 | 1.013 | 5 | 2.0 | 1.222 | 5 | 9.2 | 923.34 | 15.97 | 16 | 38 | 626 | 72.2 | 7.14 |
| 530398067 | PREDICTED: apolipoprotein A-I isoform X1 [Homo sapiens] | 86.89 | 35 | 31 | 36 | 1347 | 1.013 | 432 | 8.5 | 1.317 | 418 | 22.1 | 43488.15 | 86.89 | 106 | 1347 | 267 | 30.8 | 5.76 |
| 578837549 | PREDICTED: DEP domain-containing protein 5 isoform X10 [Homo sapiens] | 3.83 | 8 | 1 | 5 | 31 | 1.013 | 10 | 3.8 | 1.997 | 10 | 19.9 | 78.09 | 3.83 | 7 | 31 | 1490 | 168.2 | 6.80 |
| 170016081 | protein XRP2 [Homo sapiens] | 8.29 | 1 | 4 | 4 | 13 | 1.013 | 4 | 4.0 | 1.243 | 4 | 9.5 | 328.67 | 8.29 | 12 | 13 | 350 | 39.6 | 5.12 |
| 167234422 | hematopoietic lineage cell-specific protein isoform 1 [Homo sapiens] | 25.51 | 2 | 12 | 14 | 93 | 1.013 | 25 | 6.2 | 1.115 | 25 | 9.0 | 2406.12 | 25.51 | 39 | 93 | 486 | 54.0 | 4.81 |
| 578809106 | PREDICTED: immunoglobulin J chain isoform X1 [Homo sapiens] | 41.51 | 1 | 6 | 6 | 83 | 1.013 | 27 | 7.3 | 1.179 | 27 | 20.1 | 2362.56 | 41.51 | 18 | 83 | 159 | 18.1 | 5.24 |
| 4506629 | 60S ribosomal protein L29 [Homo sapiens] | 18.87 | 1 | 1 | 3 | 8 | 1.013 | 2 | 4.9 | 1.224 | 2 | 1.0 | 279.75 | 18.87 | 5 | 8 | 159 | 17.7 | 11.66 |
| 75709200 | phospholipid hydroperoxide glutathione peroxidase, mitochondrial isoform A precursor [Homo s | 18.27 | 3 | 1 | 4 | 8 | 1.013 | 1 |  | 1.342 | 1 |  | 56.28 | 18.27 | 8 | 8 | 197 | 22.2 | 8.37 |
| 578832788 | PREDICTED: thioredoxin-like protein 1 isoform X2 [Homo sapiens] | 27.06 | 3 | 4 | 4 | 12 | 1.013 | 4 | 4.0 | 1.083 | 4 | 3.3 | 643.72 | 27.06 | 12 | 12 | 255 | 28.5 | 4.83 |
| 4505753 | phosphoglycerate mutase 1 [Homo sapiens] | 84.65 | 23 | 13 | 20 | 343 | 1.013 | 76 | 10.4 | 1.167 | 75 | 27.7 | 13563.24 | 84.65 | 59 | 343 | 254 | 28.8 | 7.18 |
| 578804376 | PREDICTED: bifunctional purine biosynthesis protein PURH isoform X1 [Homo sapiens] | 19.14 | 2 | 7 | 8 | 46 | 1.013 | 10 | 6.6 | 1.156 | 9 | 6.8 | 838.80 | 19.14 | 22 | 46 | 533 | 58.6 | 6.84 |
| 39812055 | beta-arrestin-2 isoform 2 [Homo sapiens] | 12.94 | 7 | 3 | 4 | 22 | 1.013 | 6 | 4.3 | 1.139 | 6 | 3.5 | 783.55 | 12.94 | 12 | 22 | 394 | 44.4 | 7.88 |
| 5032059 | protein S100-A12 [Homo sapiens] | 91.30 | 10 | 9 | 10 | 624 | 1.013 | 180 | 11.3 | 1.319 | 166 | 28.2 | 23513.69 | 91.30 | 29 | 624 | 92 | 10.6 | 6.25 |
| 530379653 | PREDICTED: chromodomain-helicase-DNA-binding protein 1 isoform X1 [Homo sapiens] | 4.62 | 23 | 1 | 10 | 14 | 1.013 | 1 |  | 1.762 | 1 |  | 30.47 | 4.62 | 10 | 14 | 1798 | 207.3 | 7.23 |
| 47271443 | serine/arginine-rich splicing factor 2 [Homo sapiens] | 18.55 | 2 | 3 | 5 | 14 | 1.013 | 4 | 9.0 | 1.273 | 4 | 13.5 | 667.23 | 18.55 | 11 | 14 | 221 | 25.5 | 11.85 |
| 62420888 | dipeptidyl peptidase 2 preproprotein [Homo sapiens] | 8.74 | 3 | 2 | 3 | 8 | 1.013 | 2 | 1.6 | 1.303 | 2 | 10.2 | 372.49 | 8.74 | 7 | 8 | 492 | 54.3 | 6.32 |
| 55749932 | desmin [Homo sapiens] | 14.89 | 4 | 1 | 9 | 129 | 1.013 | 1 |  | 1.192 | 1 |  | 1543.77 | 14.89 | 22 | 129 | 470 | 53.5 | 5.27 |
| 530407832 | PREDICTED: protein CLEC16A isoform X7 [Homo sapiens] | 6.05 | 8 | 1 | 7 | 16 | 1.013 | 1 |  | 1.186 | 1 |  | 91.12 | 6.05 | 11 | 16 | 925 | 105.6 | 6.51 |
| 6912388 | grancalcin [Homo sapiens] | 44.70 | 6 | 9 | 9 | 65 | 1.013 | 21 | 5.1 | 1.182 | 21 | 21.3 | 2373.19 | 44.70 | 26 | 65 | 217 | 24.0 | 5.21 |
| 530376092 | PREDICTED: protein phosphatase 2, regulatory subunit B, gamma isoform X3 [Homo sapiens] | 5.26 | 6 | 1 | 2 | 9 | 1.013 | 2 | 2.5 | 1.127 | 2 | 16.0 | 168.17 | 5.26 | 6 | 9 | 342 | 39.5 | 6.95 |
| 4503689 | fibrinogen alpha chain isoform alpha-E preproprotein [Homo sapiens] | 51.15 | 52 | 47 | 49 | 1390 | 1.013 | 415 | 7.6 | 1.177 | 395 | 16.9 | 33979.80 | 51.15 | 145 | 1390 | 866 | 94.9 | 6.01 |
| 4506185 | proteasome subunit alpha type-4 isoform 1 [Homo sapiens] | 44.44 | 2 | 9 | 9 | 41 | 1.013 | 14 | 5.5 | 1.119 | 14 | 9.6 | 1364.77 | 44.44 | 27 | 41 | 261 | 29.5 | 7.72 |
| 530409962 | PREDICTED: WD repeat-containing protein 16 isoform X2 [Homo sapiens] | 3.58 | 2 | 1 | 2 | 2 | 1.013 | 1 |  | 0.805 | 1 |  | 27.86 | 3.58 | 2 | 2 | 531 | 58.6 | 7.42 |
| 4507793 | ubiquitin-conjugating enzyme E2 N [Homo sapiens] | 34.87 | 2 | 4 | 4 | 23 | 1.013 | 6 | 5.5 | 1.186 | 6 | 12.7 | 698.40 | 34.87 | 12 | 23 | 152 | 17.1 | 6.57 |
| 4502317 | V-type proton ATPase subunit E 1 isoform a [Homo sapiens] | 36.28 | 4 | 5 | 7 | 27 | 1.013 | 7 | 6.0 | 1.142 | 4 | 22.0 | 692.50 | 36.28 | 18 | 27 | 226 | 26.1 | 8.00 |
| 578831314 | PREDICTED: transcription elongation factor SPT6 isoform X3 [Homo sapiens] | 5.68 | 2 | 1 | 9 | 27 | 1.013 | 3 | 1.5 | 1.077 | 3 | 4.8 | 146.13 | 5.68 | 15 | 27 | 1603 | 184.6 | 5.11 |
| 66932916 | mitogen-activated protein kinase 1 [Homo sapiens] | 27.50 | 27 | 7 | 8 | 36 | 1.012 | 11 | 9.7 | 1.244 | 11 | 44.1 | 925.50 | 27.50 | 23 | 36 | 360 | 41.4 | 6.98 |
| 209862911 | periostin isoform 2 precursor [Homo sapiens] | 45.57 | 6 | 23 | 25 | 204 | 1.012 | 54 | 8.1 | 1.266 | 54 | 29.2 | 6831.68 | 45.57 | 69 | 204 | 779 | 87.0 | 7.81 |
| 32483377 | thioredoxin-dependent peroxide reductase, mitochondrial isoform b [Homo sapiens] | 39.08 | 2 | 6 | 6 | 23 | 1.012 | 8 | 4.7 | 1.127 | 8 | 9.1 | 880.19 | 39.08 | 18 | 23 | 238 | 25.8 | 7.46 |
| 10645195 | histone H2A type 1-B/E [Homo sapiens] | 60.00 | 5 | 1 | 6 | 70 | 1.012 | 2 | 1.2 | 1.131 | 2 | 9.6 | 2076.11 | 60.00 | 18 | 70 | 130 | 14.1 | 11.05 |
| 4506505 | regulator of G-protein signaling 10 isoform b [Homo sapiens] | 7.19 | 2 | 1 | 1 | 3 | 1.012 | 1 |  | 1.255 | 1 |  | 239.31 | 7.19 | 3 | 3 | 167 | 19.6 | 5.87 |
| 377520143 | protein FAM49B [Homo sapiens] | 70.06 | 9 | 16 | 18 | 108 | 1.012 | 35 | 9.7 | 1.169 | 34 | 22.0 | 4234.79 | 70.06 | 50 | 108 | 324 | 36.7 | 6.06 |
| 4503987 | gamma-glutamyl hydrolase precursor [Homo sapiens] | 27.99 | 1 | 8 | 8 | 41 | 1.012 | 12 | 6.5 | 1.220 | 12 | 10.0 | 1334.62 | 27.99 | 24 | 41 | 318 | 35.9 | 7.11 |
| 194394158 | nicotinate phosphoribosyltransferase isoform 1 [Homo sapiens] | 54.83 | 2 | 17 | 18 | 82 | 1.012 | 27 | 7.7 | 1.227 | 24 | 19.7 | 3262.18 | 54.83 | 50 | 82 | 538 | 57.5 | 5.68 |
| 6912516 | mitochondrial peptide methionine sulfoxide reductase isoform a precursor [Homo sapiens] | 21.70 | 4 | 4 | 5 | 12 | 1.012 | 4 | 5.5 | 1.140 | 4 | 24.1 | 339.64 | 21.70 | 12 | 12 | 235 | 26.1 | 8.09 |
| 189163532 | alpha-1-antitrypsin precursor [Homo sapiens] | 81.10 | 2 | 40 | 43 | 3605 | 1.012 | 957 | 9.6 | 1.171 | 942 | 20.6 | 115931.48 | 81.10 | 124 | 3605 | 418 | 46.7 | 5.59 |
| 148596990 | copper homeostasis protein cutC homolog [Homo sapiens] | 10.62 | 1 | 1 | 2 | 6 | 1.012 | 1 |  | **8.941** | 1 |  | 242.79 | 10.62 | 6 | 6 | 273 | 29.3 | 8.18 |
| 260166612 | hydroperoxide isomerase ALOXE3 isoform 1 precursor [Homo sapiens] | 2.37 | 2 | 1 | 2 | 2 | 1.011 | 1 |  | 0.883 | 1 |  | 27.45 | 2.37 | 2 | 2 | 843 | 95.1 | 7.75 |
| 11545817 | G-protein-signaling modulator 3 [Homo sapiens] | 14.37 | 1 | 1 | 1 | 2 | 1.011 | 1 |  | 1.142 | 1 |  | 113.39 | 14.37 | 2 | 2 | 160 | 17.9 | 4.97 |
| 4507521 | transketolase isoform 1 [Homo sapiens] | 71.11 | 23 | 40 | 44 | 781 | 1.011 | 223 | 7.3 | 1.134 | 222 | 15.3 | 34995.56 | 71.11 | 127 | 781 | 623 | 67.8 | 7.66 |
| 578815882 | PREDICTED: t-SNARE domain-containing protein 1 isoform X2 [Homo sapiens] | 2.62 | 1 | 1 | 3 | 16 | 1.011 | 1 |  | 1.574 | 1 |  | 44.93 | 2.62 | 4 | 16 | 878 | 94.5 | 8.92 |
| 4503291 | D-dopachrome decarboxylase [Homo sapiens] | 43.22 | 6 | 5 | 5 | 41 | 1.011 | 13 | 14.8 | 1.175 | 13 | 16.8 | 1282.77 | 43.22 | 15 | 41 | 118 | 12.7 | 7.30 |
| 578818836 | PREDICTED: gamma-tubulin complex component 2 isoform X1 [Homo sapiens] | 3.10 | 2 | 1 | 3 | 9 | 1.011 | 1 |  | 1.133 | 1 |  | 205.94 | 3.10 | 7 | 9 | 902 | 102.5 | 6.84 |
| 85362735 | oxysterols receptor LXR-beta isoform 1 [Homo sapiens] | 1.74 | 1 | 1 | 1 | 2 | 1.011 | 2 | 5.1 | 1.247 | 2 | 12.7 | 24.03 | 1.74 | 1 | 2 | 461 | 51.1 | 7.74 |
| 4502107 | annexin A5 [Homo sapiens] | 80.00 | 1 | 20 | 25 | 216 | 1.011 | 63 | 6.8 | 1.187 | 63 | 12.6 | 6624.55 | 80.00 | 71 | 216 | 320 | 35.9 | 5.05 |
| 33239445 | eukaryotic translation initiation factor 3 subunit B [Homo sapiens] | 7.37 | 1 | 3 | 7 | 16 | 1.011 | 3 | 5.6 | 1.104 | 3 | 8.1 | 391.77 | 7.37 | 15 | 16 | 814 | 92.4 | 5.00 |
| 110735433 | CD177 antigen precursor [Homo sapiens] | 4.58 | 1 | 2 | 2 | 9 | 1.011 | 3 | 5.2 | 1.277 | 3 | 5.8 | 241.50 | 4.58 | 6 | 9 | 437 | 46.4 | 6.01 |
| 4503521 | eukaryotic translation initiation factor 3 subunit E [Homo sapiens] | 14.61 | 1 | 3 | 5 | 12 | 1.011 | 3 | 3.1 | 0.967 | 3 | 13.3 | 358.91 | 14.61 | 11 | 12 | 445 | 52.2 | 6.04 |
| 578826850 | PREDICTED: tropomodulin-3 isoform X1 [Homo sapiens] | 42.90 | 2 | 6 | 11 | 40 | 1.011 | 8 | 7.0 | 1.167 | 8 | 13.8 | 606.17 | 42.90 | 31 | 40 | 352 | 39.6 | 5.19 |
| 4502511 | complement component C9 precursor [Homo sapiens] | 45.08 | 14 | 21 | 24 | 234 | 1.011 | 58 | 10.1 | 1.214 | 53 | 19.6 | 5597.76 | 45.08 | 67 | 234 | 559 | 63.1 | 5.59 |
| 62198235 | drebrin-like protein isoform b [Homo sapiens] | 26.98 | 5 | 8 | 10 | 66 | 1.011 | 19 | 9.2 | 1.196 | 19 | 26.1 | 2540.22 | 26.98 | 28 | 66 | 430 | 48.2 | 5.05 |
| 15431310 | keratin, type I cytoskeletal 14 [Homo sapiens] | 43.22 | 21 | 7 | 24 | 107 | 1.011 | 12 | 3.3 | 1.111 | 12 | 6.7 | 2936.52 | 43.22 | 68 | 107 | 472 | 51.6 | 5.16 |
| 6598323 | rab GDP dissociation inhibitor beta isoform 1 [Homo sapiens] | 68.31 | 10 | 20 | 30 | 278 | 1.011 | 61 | 6.1 | 1.162 | 61 | 11.9 | 9300.85 | 68.31 | 85 | 278 | 445 | 50.6 | 6.47 |
| 63162572 | T-complex protein 1 subunit gamma isoform a [Homo sapiens] | 26.24 | 2 | 11 | 11 | 54 | 1.011 | 18 | 6.6 | 1.046 | 18 | 15.9 | 1822.98 | 26.24 | 32 | 54 | 545 | 60.5 | 6.49 |
| 6005764 | gamma-aminobutyric acid receptor-associated protein [Homo sapiens] | 21.37 | 3 | 2 | 3 | 8 | 1.011 | 2 | 8.2 | 1.159 | 2 | 10.9 | 143.01 | 21.37 | 5 | 8 | 117 | 13.9 | 8.79 |
| 217330598 | glyoxalase domain-containing protein 4 [Homo sapiens] | 33.22 | 2 | 8 | 10 | 38 | 1.010 | 11 | 3.9 | 1.176 | 11 | 14.0 | 1286.23 | 33.22 | 28 | 38 | 298 | 33.2 | 5.60 |
| 14141193 | 40S ribosomal protein S9 [Homo sapiens] | 11.34 | 20 | 2 | 3 | 7 | 1.010 | 2 | 1.8 | 1.028 | 2 | 1.1 | 139.54 | 11.34 | 7 | 7 | 194 | 22.6 | 10.65 |
| 384475554 | histidine--tRNA ligase, cytoplasmic isoform 3 [Homo sapiens] | 11.66 | 8 | 3 | 8 | 19 | 1.010 | 3 | 6.1 | 1.160 | 3 | 6.0 | 206.33 | 11.66 | 18 | 19 | 489 | 54.8 | 5.54 |
| 578813850 | PREDICTED: actin-related protein 2/3 complex subunit 1B isoform X1 [Homo sapiens] | 44.35 | 1 | 14 | 14 | 178 | 1.010 | 45 | 7.6 | 1.135 | 45 | 10.0 | 6864.55 | 44.35 | 42 | 178 | 372 | 40.9 | 8.35 |
| 469608407 | transgelin-2 isoform b [Homo sapiens] | 75.88 | 3 | 12 | 12 | 92 | 1.010 | 30 | 8.7 | 1.205 | 30 | 24.3 | 3691.54 | 75.88 | 35 | 92 | 199 | 22.4 | 8.25 |
| 4505047 | lumican precursor [Homo sapiens] | 44.67 | 4 | 15 | 15 | 110 | 1.010 | 35 | 7.5 | 1.135 | 35 | 9.5 | 4063.56 | 44.67 | 42 | 110 | 338 | 38.4 | 6.61 |
| 40068518 | 6-phosphogluconate dehydrogenase, decarboxylating [Homo sapiens] | 66.25 | 2 | 30 | 31 | 460 | 1.010 | 149 | 8.3 | 1.158 | 144 | 17.7 | 19236.03 | 66.25 | 93 | 460 | 483 | 53.1 | 7.23 |
| 10880134 | beta-arrestin-1 isoform B [Homo sapiens] | 14.88 | 8 | 2 | 5 | 26 | 1.010 | 2 | 7.8 | 0.715 | 2 | 51.6 | 321.74 | 14.88 | 13 | 26 | 410 | 46.3 | 6.34 |
| 530393298 | PREDICTED: cytosolic purine 5'-nucleotidase isoform X8 [Homo sapiens] | 15.98 | 6 | 6 | 6 | 20 | 1.010 | 7 | 10.1 | 1.374 | 7 | 19.8 | 878.55 | 15.98 | 17 | 20 | 532 | 61.4 | 5.74 |
| 530394583 | PREDICTED: TATA-binding protein-associated factor 172 isoform X1 [Homo sapiens] | 4.68 | 3 | 1 | 7 | 17 | 1.010 | 1 |  | 1.155 | 1 |  | 37.33 | 4.68 | 9 | 17 | 1646 | 184.2 | 6.70 |
| 530398051 | PREDICTED: porphobilinogen deaminase isoform X1 [Homo sapiens] | 14.24 | 4 | 2 | 5 | 15 | 1.010 | 2 | 7.5 | 1.372 | 2 | 42.1 | 146.51 | 14.24 | 10 | 15 | 344 | 37.7 | 7.39 |
| 4557367 | bleomycin hydrolase [Homo sapiens] | 11.43 | 1 | 3 | 4 | 15 | 1.010 | 4 | 3.3 | 1.028 | 4 | 2.4 | 489.06 | 11.43 | 12 | 15 | 455 | 52.5 | 6.27 |
| 578828107 | PREDICTED: polycystin-1 isoform X9 [Homo sapiens] | 1.80 | 12 | 2 | 7 | 18 | 1.010 | 3 | 2.3 | 1.478 | 3 | 7.0 | 125.59 | 1.80 | 11 | 18 | 4279 | 460.4 | 6.70 |
| 530375987 | PREDICTED: transforming acidic coiled-coil-containing protein 3 isoform X2 [Homo sapiens] | 10.37 | 4 | 1 | 6 | 17 | 1.010 | 1 |  | 1.121 | 1 |  | 31.61 | 10.37 | 6 | 17 | 482 | 53.9 | 5.44 |
| 401709935 | IST1 homolog isoform d [Homo sapiens] | 7.76 | 7 | 1 | 3 | 7 | 1.010 | 1 |  | 1.458 | 1 |  | 92.03 | 7.76 | 7 | 7 | 335 | 36.6 | 5.44 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12408675 | prefoldin subunit 2 [Homo sapiens] | 29.87 | 1 | 2 | 5 | 9 | 1.010 | 2 | 5.3 | 0.986 | 2 | 30.4 | 146.77 | 29.87 | 9 | 9 | 154 | 16.6 | 6.58 |
| 539845980 | protein phosphatase 1 regulatory subunit 7 isoform 6 [Homo sapiens] | 36.21 | 7 | 7 | 8 | 29 | 1.010 | 10 | 6.6 | 1.462 | 9 | 20.5 | 1194.73 | 36.21 | 21 | 29 | 301 | 35.1 | 5.31 |
| 4506191 | proteasome subunit beta type-10 precursor [Homo sapiens] | 27.84 | 1 | 4 | 4 | 17 | 1.010 | 6 | 5.7 | 1.254 | 6 | 21.5 | 944.31 | 27.84 | 11 | 17 | 273 | 28.9 | 7.81 |
| 530418509 | PREDICTED: eukaryotic translation initiation factor 2 subunit 2 isoform X1 [Homo sapiens] | 10.83 | 2 | 1 | 4 | 11 | 1.010 | 1 |  | 1.213 | 1 |  | 130.37 | 10.83 | 7 | 11 | 314 | 36.2 | 5.48 |
| 5031695 | complement factor H-related protein 2 precursor [Homo sapiens] | 25.93 | 3 | 4 | 6 | 38 | 1.010 | 8 | 3.2 | 1.238 | 8 | 8.5 | 1375.40 | 25.93 | 18 | 38 | 270 | 30.6 | 6.38 |
| 6912486 | U6 snRNA-associated Sm-like protein LSm4 isoform 1 [Homo sapiens] | 17.27 | 1 | 2 | 3 | 7 | 1.010 | 2 | 5.9 | 1.251 | 2 | 19.1 | 104.09 | 17.27 | 7 | 7 | 139 | 15.3 | 9.99 |
| 30410792 | proteasome activator complex subunit 2 [Homo sapiens] | 43.93 | 2 | 1 | 9 | 39 | 1.010 | 1 |  | 1.330 | 1 |  | 1674.95 | 43.93 | 27 | 39 | 239 | 27.4 | 5.73 |
| 530415994 | PREDICTED: rRNA 2'-O-methyltransferase fibrillarin isoform X1 [Homo sapiens] | 6.56 | 2 | 1 | 2 | 17 | 1.009 | 1 |  | 1.141 | 1 |  | 111.55 | 6.56 | 6 | 17 | 320 | 33.7 | 10.18 |
| 4505257 | moesin [Homo sapiens] | 81.46 | 4 | 44 | 63 | 1133 | 1.009 | 225 | 7.8 | 1.181 | 216 | 19.3 | 29002.28 | 81.46 | 179 | 1133 | 577 | 67.8 | 6.40 |
| 42544239 | complement factor D preproprotein [Homo sapiens] | 45.06 | 1 | 5 | 7 | 24 | 1.009 | 7 | 14.6 | 1.213 | 6 | 38.5 | 703.53 | 45.06 | 18 | 24 | 253 | 27.0 | 7.71 |
| 295054188 | hyaluronan-binding protein 2 isoform 2 [Homo sapiens] | 12.55 | 2 | 5 | 6 | 33 | 1.009 | 7 | 5.5 | 1.130 | 7 | 2.6 | 416.92 | 12.55 | 18 | 33 | 534 | 59.8 | 6.43 |
| 25777602 | 26S proteasome non-ATPase regulatory subunit 2 isoform 1 [Homo sapiens] | 24.23 | 3 | 13 | 15 | 53 | 1.009 | 17 | 7.9 | 1.118 | 17 | 31.4 | 2157.26 | 24.23 | 41 | 53 | 908 | 100.1 | 5.20 |
| 58219792 | ras-related protein Rap-1b isoform 1 precursor [Homo sapiens] | 58.70 | 5 | 8 | 11 | 54 | 1.009 | 17 | 5.9 | 1.310 | 12 | 29.4 | 1772.71 | 58.70 | 30 | 54 | 184 | 20.8 | 5.78 |
| 578818565 | PREDICTED: vimentin isoform X1 [Homo sapiens] | 55.36 | 6 | 31 | 36 | 477 | 1.009 | 122 | 7.9 | 1.114 | 122 | 11.1 | 15988.79 | 55.36 | 105 | 477 | 466 | 53.6 | 5.12 |
| 4502599 | carbonyl reductase [NADPH] 1 isoform 1 [Homo sapiens] | 25.99 | 3 | 5 | 7 | 18 | 1.009 | 6 | 4.8 | 1.295 | 6 | 15.7 | 731.82 | 25.99 | 15 | 18 | 277 | 30.4 | 8.32 |
| 5803187 | transaldolase [Homo sapiens] | 78.04 | 1 | 30 | 32 | 441 | 1.009 | 137 | 6.9 | 1.171 | 137 | 13.1 | 12433.78 | 78.04 | 95 | 441 | 337 | 37.5 | 6.81 |
| 71037379 | glycogen phosphorylase, liver form isoform 1 [Homo sapiens] | 59.39 | 4 | 38 | 46 | 403 | 1.009 | 104 | 7.0 | 1.197 | 104 | 16.1 | 13061.54 | 59.39 | 131 | 403 | 847 | 97.1 | 7.17 |
| 578815682 | PREDICTED: phosphoprotein associated with glycosphingolipid-enriched microdomains 1 isoforr | 6.48 | 1 | 2 | 2 | 12 | 1.009 | 4 | 4.5 | 1.130 | 4 | 7.2 | 693.54 | 6.48 | 6 | 12 | 432 | 47.0 | 4.65 |
| 578827537 | PREDICTED: proline-serine-threonine phosphatase-interacting protein 1 isoform X1 [Homo sapi | 15.50 | 5 | 5 | 7 | 16 | 1.009 | 5 | 6.9 | 1.427 | 5 | 37.5 | 287.43 | 15.50 | 16 | 16 | 413 | 47.3 | 5.45 |
| 530397816 | PREDICTED: probable ATP-dependent RNA helicase DDX6 isoform X1 [Homo sapiens] | 12.84 | 2 | 2 | 4 | 20 | 1.009 | 5 | 14.0 | 1.151 | 5 | 16.3 | 600.10 | 12.84 | 8 | 20 | 483 | 54.4 | 8.66 |
| 11342680 | beta-centractin [Homo sapiens] | 26.33 | 2 | 2 | 8 | 28 | 1.009 | 3 | 0.4 | **2.229** | 3 | 71.9 | 651.70 | 26.33 | 21 | 28 | 376 | 42.3 | 6.40 |
| 544711070 | T-complex protein 1 subunit theta isoform 3 [Homo sapiens] | 28.17 | 4 | 11 | 13 | 63 | 1.009 | 19 | 4.0 | 1.156 | 19 | 14.4 | 2476.41 | 28.17 | 37 | 63 | 497 | 54.1 | 5.31 |
| 4503727 | peptidyl-prolyl cis-trans isomerase FKBP3 [Homo sapiens] | 9.82 | 1 | 2 | 2 | 6 | 1.009 | 2 | 0.2 | 1.164 | 2 | 3.8 | 165.79 | 9.82 | 6 | 6 | 224 | 25.2 | 9.28 |
| 221316614 | extracellular matrix protein 1 isoform 1 precursor [Homo sapiens] | 14.81 | 3 | 5 | 6 | 17 | 1.009 | 5 | 10.6 | 1.123 | 4 | 19.3 | 651.66 | 14.81 | 15 | 17 | 540 | 60.6 | 6.71 |
| 530387774 | PREDICTED: nuclear GTPase SLIP-GC isoform X3 [Homo sapiens] | 3.72 | 2 | 1 | 4 | 9 | 1.009 | 1 |  | 1.173 | 1 |  | 30.80 | 3.72 | 4 | 9 | 672 | 76.8 | 8.40 |
| 154146191 | heat shock protein HSP 90-alpha isoform 2 [Homo sapiens] | 51.09 | 13 | 24 | 43 | 369 | 1.009 | 59 | 7.5 | 1.173 | 56 | 16.6 | 12796.32 | 51.09 | 125 | 369 | 732 | 84.6 | 5.02 |
| 336391093 | ras-related protein Rab-2A isoform b [Homo sapiens] | 14.36 | 4 | 2 | 2 | 6 | 1.009 | 2 | 4.4 | 1.185 | 2 | 6.9 | 443.06 | 14.36 | 6 | 6 | 188 | 20.8 | 6.11 |
| 205277441 | thyroxine-binding globulin precursor [Homo sapiens] | 34.22 | 3 | 13 | 13 | 80 | 1.009 | 25 | 5.1 | 1.157 | 25 | 11.2 | 2658.33 | 34.22 | 37 | 80 | 415 | 46.3 | 6.30 |
| 38454326 | ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1 [Homo sapiens] | 2.67 | 1 | 1 | 1 | 8 | 1.009 | 3 | 9.5 | 1.248 | 3 | 16.6 | 104.91 | 2.67 | 3 | 8 | 300 | 34.3 | 7.66 |
| 530402208 | PREDICTED: zinc finger CCCH domain-containing protein 13 isoform X12 [Homo sapiens] | 4.99 | 5 | 1 | 10 | 21 | 1.008 | 4 | 2.5 | 1.204 | 4 | 21.2 | 68.86 | 4.99 | 13 | 21 | 1564 | 184.8 | 9.47 |
| 9966777 | resistin precursor [Homo sapiens] | 35.19 | 1 | 3 | 3 | 62 | 1.008 | 21 | 6.1 | 1.242 | 21 | 13.1 | 2866.07 | 35.19 | 9 | 62 | 108 | 11.4 | 6.86 |
| 59859885 | 40S ribosomal protein SA [Homo sapiens] | 23.73 | 1 | 4 | 4 | 11 | 1.008 | 5 | 3.7 | 1.103 | 4 | 15.5 | 366.19 | 23.73 | 9 | 11 | 295 | 32.8 | 4.87 |
| 124494254 | proliferation-associated protein 2G4 [Homo sapiens] | 36.55 | 1 | 10 | 13 | 61 | 1.008 | 18 | 7.2 | 1.102 | 17 | 6.2 | 1838.00 | 36.55 | 35 | 61 | 394 | 43.8 | 6.55 |
| 530361334 | PREDICTED: complement C1q subcomponent subunit B isoform X1 [Homo sapiens] | 46.64 | 1 | 8 | 10 | 133 | 1.008 | 32 | 9.0 | 1.273 | 31 | 22.6 | 3746.24 | 46.64 | 29 | 133 | 253 | 26.7 | 8.63 |
| 530418349 | PREDICTED: double-stranded RNA-binding protein Staufen homolog 1 isoform X6 [Homo sapier | 6.85 | 11 | 1 | 4 | 8 | 1.008 | 2 | 14.2 | 1.217 | 2 | 10.5 | 42.95 | 6.85 | 4 | 8 | 496 | 54.9 | 9.51 |
| 88702793 | vasorin precursor [Homo sapiens] | 4.90 | 1 | 1 | 3 | 11 | 1.008 | 1 |  | **2.147** | 1 |  | 256.71 | 4.90 | 7 | 11 | 673 | 71.7 | 7.39 |
| 109148508 | ubiquitin thioesterase OTUB1 [Homo sapiens] | 27.68 | 1 | 5 | 5 | 26 | 1.008 | 7 | 3.6 | 1.180 | 7 | 7.6 | 698.03 | 27.68 | 15 | 26 | 271 | 31.3 | 4.94 |
| 51702222 | protein SPT2 homolog [Homo sapiens] | 7.45 | 13 | 2 | 8 | 39 | 1.008 | 6 | 7.1 | 1.038 | 4 | 16.5 | 53.58 | 7.45 | 14 | 39 | 685 | 75.6 | 9.79 |
| 23238211 | actin-related protein 2/3 complex subunit 2 [Homo sapiens] | 74.00 | 2 | 23 | 24 | 314 | 1.008 | 97 | 6.6 | 1.184 | 96 | 13.5 | 10936.34 | 74.00 | 70 | 314 | 300 | 34.3 | 7.36 |
| 20149675 | EF-hand domain-containing protein D2 [Homo sapiens] | 42.92 | 4 | 11 | 12 | 55 | 1.008 | 16 | 6.2 | 1.095 | 16 | 12.4 | 2161.32 | 42.92 | 34 | 55 | 240 | 26.7 | 5.20 |
| 5031789 | inositol monophosphatase 1 isoform 1 [Homo sapiens] | 26.35 | 3 | 4 | 6 | 22 | 1.008 | 6 | 4.0 | 1.242 | 6 | 16.7 | 987.11 | 26.35 | 14 | 22 | 277 | 30.2 | 5.26 |
| 123173757 | ribonucleoprotein PTB-binding 1 [Homo sapiens] | 1.72 | 1 | 1 | 1 | 3 | 1.008 | 1 |  | 1.033 | 1 |  | 185.46 | 1.72 | 3 | 3 | 756 | 79.5 | 8.92 |
| 194097323 | enoyl-CoA hydratase, mitochondrial [Homo sapiens] | 12.07 | 1 | 2 | 2 | 4 | 1.008 | 2 | 13.4 | 1.582 | 2 | 0.1 | 135.01 | 12.07 | 4 | 4 | 290 | 31.4 | 8.07 |
| 4826760 | heterogeneous nuclear ribonucleoprotein F [Homo sapiens] | 21.45 | 2 | 3 | 7 | 30 | 1.008 | 5 | 3.8 | 1.074 | 5 | 2.2 | 855.98 | 21.45 | 19 | 30 | 415 | 45.6 | 5.58 |
| 32483399 | serine/threonine-protein kinase PAK 2 [Homo sapiens] | 28.44 | 7 | 8 | 10 | 46 | 1.008 | 8 | 6.2 | 1.160 | 7 | 13.5 | 1044.34 | 28.44 | 30 | 46 | 524 | 58.0 | 5.96 |
| 289063417 | AMP deaminase 3 isoform 4 [Homo sapiens] | 21.55 | 6 | 10 | 12 | 41 | 1.008 | 12 | 9.0 | 1.197 | 12 | 16.9 | 1221.00 | 21.55 | 33 | 41 | 608 | 71.2 | 6.99 |
| 578810352 | PREDICTED: regulator of G-protein signaling 7-binding protein isoform X2 [Homo sapiens] | 3.43 | 3 | 1 | 1 | 1 | 1.008 | 1 |  | 1.161 | 1 |  | 20.33 | 3.43 | 1 | 1 | 204 | 22.7 | 7.36 |
| 223972653 | aldehyde dehydrogenase family 16 member A1 isoform 2 [Homo sapiens] | 13.18 | 2 | 4 | 6 | 20 | 1.008 | 4 | 4.1 | 1.358 | 4 | 11.6 | 564.71 | 13.18 | 16 | 20 | 751 | 79.9 | 7.58 |
| 5031635 | cofilin-1 [Homo sapiens] | 80.12 | 20 | 22 | 22 | 389 | 1.008 | 119 | 6.7 | 1.190 | 119 | 19.6 | 12256.22 | 80.12 | 66 | 389 | 166 | 18.5 | 8.09 |
| 255918200 | serine/threonine-protein phosphatase 6 regulatory subunit 3 isoform 3 [Homo sapiens] | 1.26 | 16 | 1 | 1 | 1 | 1.008 | 1 |  |  |  |  | 28.32 | 1.26 | 1 | 1 | 791 | 88.9 | 4.58 |
| 11863154 | coatomer subunit delta isoform 1 [Homo sapiens] | 12.52 | 3 | 5 | 7 | 24 | 1.008 | 7 | 9.4 | 1.120 | 7 | 18.2 | 817.24 | 12.52 | 19 | 24 | 511 | 57.2 | 6.21 |
| 42822872 | ribonuclease inhibitor [Homo sapiens] | 48.59 | 1 | 12 | 15 | 90 | 1.008 | 27 | 3.8 | 1.111 | 27 | 9.8 | 4056.96 | 48.59 | 41 | 90 | 461 | 49.9 | 4.82 |
| 530373049 | PREDICTED: biotinidase isoform X4 [Homo sapiens] | 6.69 | 4 | 3 | 3 | 11 | 1.008 | 4 | 8.0 | 1.095 | 4 | 6.1 | 520.82 | 6.69 | 8 | 11 | 523 | 58.9 | 5.85 |
| 198041728 | kinesin light chain 2 isoform 2 [Homo sapiens] | 8.44 | 4 | 1 | 7 | 12 | 1.008 | 1 |  | **3.563** | 1 |  | 43.95 | 8.44 | 12 | 12 | 545 | 60.0 | 7.28 |
| 226498466 | T-cell immunoglobulin and mucin domain-containing protein 4 isoform 2 precursor [Homo sapie | 6.57 | 2 | 1 | 3 | 7 | 1.008 | 1 |  | 1.119 | 1 |  | 31.27 | 6.57 | 3 | 7 | 350 | 38.5 | 6.15 |
| 188497671 | serum amyloid A-2 protein isoform a precursor [Homo sapiens] | 71.31 | 11 | 4 | 11 | 117 | 1.007 | 19 | 6.9 | 1.111 | 19 | 28.0 | 3984.90 | 71.31 | 32 | 117 | 122 | 13.5 | 9.14 |
| 58530845 | zyxin [Homo sapiens] | 17.13 | 3 | 6 | 6 | 42 | 1.007 | 12 | 2.8 | 1.091 | 12 | 11.6 | 1335.70 | 17.13 | 18 | 42 | 572 | 61.2 | 6.67 |
| 216548487 | protein-arginine deiminase type-4 [Homo sapiens] | 57.01 | 5 | 27 | 34 | 362 | 1.007 | 97 | 6.9 | 1.158 | 94 | 16.6 | 9906.90 | 57.01 | 91 | 362 | 663 | 74.0 | 6.58 |
| 144226251 | chitinase-3-like protein 1 precursor [Homo sapiens] | 52.48 | 1 | 13 | 16 | 113 | 1.007 | 35 | 4.9 | 1.348 | 34 | 28.0 | 4948.70 | 52.48 | 44 | 113 | 383 | 42.6 | 8.46 |
| 7706423 | U6 snRNA-associated Sm-like protein LSm7 [Homo sapiens] | 65.05 | 1 | 2 | 4 | 13 | 1.007 | 3 | 3.9 | 1.013 | 3 | 21.3 | 325.39 | 65.05 | 10 | 13 | 103 | 11.6 | 5.27 |
| 7657603 | heme-binding protein 2 [Homo sapiens] | 32.68 | 1 | 6 | 6 | 29 | 1.007 | 9 | 6.0 | 1.178 | 9 | 10.0 | 1188.05 | 32.68 | 18 | 29 | 205 | 22.9 | 4.63 |
| 530417131 | PREDICTED: vasodilator-stimulated phosphoprotein isoform X1 [Homo sapiens] | 53.83 | 3 | 15 | 16 | 149 | 1.007 | 40 | 7.7 | 1.210 | 36 | 8.5 | 5040.61 | 53.83 | 47 | 149 | 379 | 39.7 | 8.94 |
| 4502337 | zinc-alpha-2-glycoprotein precursor [Homo sapiens] | 59.40 | 1 | 19 | 21 | 266 | 1.007 | 85 | 5.9 | 1.229 | 81 | 16.2 | 9247.82 | 59.40 | 61 | 266 | 298 | 34.2 | 6.05 |
| 4506387 | UV excision repair protein RAD23 homolog B isoform 1 [Homo sapiens] | 17.11 | 39 | 4 | 6 | 32 | 1.007 | 6 | 6.1 | 1.032 | 6 | 17.9 | 829.80 | 17.11 | 18 | 32 | 409 | 43.1 | 4.84 |
| 578804845 | PREDICTED: WAS/WASL-interacting protein family member 1 isoform X1 [Homo sapiens] | 27.44 | 1 | 6 | 8 | 43 | 1.007 | 11 | 5.4 | 1.043 | 11 | 27.0 | 1049.17 | 27.44 | 19 | 43 | 503 | 51.2 | 11.47 |
| 7657532 | protein S100-A6 [Homo sapiens] | 66.67 | 33 | 9 | 10 | 100 | 1.007 | 30 | 7.6 | 1.169 | 28 | 10.4 | 1781.11 | 66.67 | 30 | 100 | 90 | 10.2 | 5.48 |
| 387598071 | thioredoxin reductase 1, cytoplasmic isoform 5 [Homo sapiens] | 15.40 | 5 | 4 | 5 | 13 | 1.007 | 4 | 4.6 | 1.378 | 3 | 12.3 | 360.18 | 15.40 | 13 | 13 | 461 | 50.8 | 6.62 |
| 578798496 | PREDICTED: dihydropyrimidine dehydrogenase [NADP(+)] isoform X3 [Homo sapiens] | 7.87 | 2 | 1 | 8 | 57 | 1.007 | 1 |  | 1.053 | 1 |  | 178.69 | 7.87 | 14 | 57 | 889 | 96.1 | 6.24 |
| 114155142 | nucleoprotein TPR [Homo sapiens] | 9.69 | 43 | 4 | 27 | 121 | 1.007 | 7 | 11.2 | 1.214 | 7 | 25.5 | 462.26 | 9.69 | 51 | 121 | 2363 | 267.1 | 5.02 |
| 530372380 | PREDICTED: acylamino-acid-releasing enzyme isoform X1 [Homo sapiens] | 14.58 | 3 | 9 | 9 | 30 | 1.007 | 10 | 4.0 | 1.157 | 10 | 14.9 | 904.12 | 14.58 | 26 | 30 | 686 | 76.2 | 5.96 |
| 4557014 | catalase [Homo sapiens] | 84.25 | 4 | 39 | 41 | 640 | 1.007 | 186 | 8.7 | 1.115 | 178 | 11.9 | 20955.71 | 84.25 | 120 | 640 | 527 | 59.7 | 7.39 |
| 105990532 | apolipoprotein B-100 precursor [Homo sapiens] | 59.06 | 5 | 209 | 223 | 1796 | 1.007 | 551 | 6.9 | 1.327 | 526 | 25.8 | 65464.00 | 59.06 | 644 | 1796 | 4563 | 515.2 | 7.05 |
| 530391646 | PREDICTED: AT-hook-containing transcription factor isoform X6 [Homo sapiens] | 1.63 | 2 | 1 | 3 | 9 | 1.007 | 1 |  | 1.069 | 1 |  | 62.38 | 1.63 | 7 | 9 | 1407 | 151.6 | 6.18 |
| 71361688 | myeloblastin precursor [Homo sapiens] | 46.09 | 1 | 7 | 7 | 156 | 1.007 | 41 | 5.9 | 1.266 | 41 | 27.8 | 3399.64 | 46.09 | 21 | 156 | 256 | 27.8 | 8.35 |
| 307078125 | clathrin interactor 1 isoform 3 [Homo sapiens] | 8.00 | 3 | 4 | 4 | 12 | 1.007 | 4 | 2.4 | 1.359 | 4 | 11.7 | 445.58 | 8.00 | 12 | 12 | 625 | 68.1 | 6.42 |
| 345441758 | MAP kinase-activated protein kinase 3 [Homo sapiens] | 5.50 | 1 | 1 | 2 | 5 | 1.006 | 1 |  | 1.205 | 1 |  | 187.61 | 5.50 | 4 | 5 | 382 | 43.0 | 7.28 |
| 39725934 | pigment epithelium-derived factor precursor [Homo sapiens] | 51.44 | 1 | 15 | 16 | 141 | 1.006 | 35 | 7.2 | 1.211 | 35 | 17.4 | 4602.43 | 51.44 | 47 | 141 | 418 | 46.3 | 6.38 |
| 28302131 | hemoglobin subunit gamma-1 [Homo sapiens] | 76.87 | 1 | 1 | 10 | 280 | 1.006 | 3 | 7.7 | 1.032 | 3 | 7.8 | 5986.32 | 76.87 | 30 | 280 | 147 | 16.1 | 7.20 |
| 4502149 | apolipoprotein A-II preproprotein [Homo sapiens] | 74.00 | 7 | 10 | 10 | 320 | 1.006 | 96 | 9.2 | 1.151 | 91 | 16.1 | 9734.72 | 74.00 | 30 | 320 | 100 | 11.2 | 6.62 |
| 530421543 | PREDICTED: ubiquitin-like modifier-activating enzyme 1 isoform X3 [Homo sapiens] | 46.41 | 3 | 30 | 32 | 193 | 1.006 | 61 | 7.0 | 1.160 | 60 | 18.5 | 8121.95 | 46.41 | 93 | 193 | 1058 | 117.8 | 5.76 |
| 157389005 | calpain-2 catalytic subunit isoform 1 [Homo sapiens] | 7.29 | 2 | 2 | 4 | 13 | 1.006 | 3 | 1.1 | 1.122 | 3 | 5.2 | 487.33 | 7.29 | 9 | 13 | 700 | 80.0 | 4.98 |
| 93141047 | collagen alpha-1(XII) chain long isoform precursor [Homo sapiens] | 3.30 | 2 | 3 | 10 | 22 | 1.006 | 3 | 2.6 | 1.226 | 3 | 0.1 | 459.88 | 3.30 | 19 | 22 | 3063 | 332.9 | 5.53 |
| 157168362 | purine nucleoside phosphorylase [Homo sapiens] | 73.36 | 1 | 16 | 18 | 109 | 1.006 | 32 | 6.7 | 1.120 | 32 | 10.3 | 3673.58 | 73.36 | 52 | 109 | 289 | 32.1 | 6.95 |
| 13569879 | acidic leucine-rich nuclear phosphoprotein 32 family member E isoform 1 [Homo sapiens] | 40.67 | 9 | 8 | 10 | 36 | 1.006 | 9 | 13.0 | 1.167 | 9 | 13.8 | 906.59 | 40.67 | 28 | 36 | 268 | 30.7 | 3.85 |
| 578816051 | PREDICTED: plectin isoform X12 [Homo sapiens] | 13.05 | 21 | 19 | 63 | 190 | 1.006 | 20 | 4.4 | 1.146 | 20 | 7.4 | 1728.54 | 13.05 | 133 | 190 | 4529 | 513.8 | 5.77 |
| 62739186 | complement factor H isoform a precursor [Homo sapiens] | 65.72 | 5 | 56 | 65 | 1216 | 1.006 | 341 | 8.1 | 1.211 | 339 | 20.8 | 39889.76 | 65.72 | 191 | 1216 | 1231 | 139.0 | 6.62 |
| 530364527 | PREDICTED: rho GTPase-activating protein 30 isoform X2 [Homo sapiens] | 4.83 | 4 | 1 | 3 | 8 | 1.006 | 2 | 14.5 | 1.172 | 2 | 34.5 | 433.24 | 4.83 | 5 | 8 | 953 | 101.3 | 4.68 |
| 4506901 | serine/arginine-rich splicing factor 3 [Homo sapiens] | 29.27 | 1 | 3 | 4 | 11 | 1.006 | 3 | 0.1 | 1.323 | 3 | 4.0 | 243.40 | 29.27 | 11 | 11 | 164 | 19.3 | 11.65 |
| 4502105 | annexin A4 [Homo sapiens] | 70.09 | 2 | 18 | 23 | 145 | 1.006 | 37 | 6.7 | 1.158 | 36 | 12.8 | 5865.19 | 70.09 | 66 | 145 | 321 | 36.1 | 6.13 |
| 4503483 | elongation factor 2 [Homo sapiens] | 48.14 | 3 | 32 | 34 | 220 | 1.006 | 70 | 6.5 | 1.196 | 70 | 17.1 | 7109.55 | 48.14 | 99 | 220 | 858 | 95.3 | 6.83 |
| 146134388 | YLP motif-containing protein 1 [Homo sapiens] | 2.38 | 2 | 1 | 6 | 17 | 1.006 | 1 |  | 1.205 | 1 |  | 38.93 | 2.38 | 10 | 17 | 2146 | 241.5 | 6.55 |
| 578825417 | PREDICTED: epididymal secretory protein E1 isoform X1 [Homo sapiens] | 37.36 | 2 | 2 | 5 | 17 | 1.005 | 4 | 8.6 | 1.280 | 4 | 16.9 | 554.65 | 37.36 | 11 | 17 | 174 | 19.2 | 8.44 |
| 24119203 | tropomyosin alpha-3 chain isoform 2 [Homo sapiens] | 75.81 | 29 | 20 | 36 | 300 | 1.005 | 56 | 11.2 | 1.145 | 55 | 12.4 | 9699.65 | 75.81 | 104 | 300 | 248 | 29.0 | 4.78 |
| 148612838 | uncharacterized protein KIAA2026 [Homo sapiens] | 3.28 | 62 | 1 | 9 | 34 | 1.005 | 1 |  | 1.086 | 1 |  | 341.56 | 3.28 | 15 | 34 | 2103 | 227.9 | 9.04 |
| 18105048 | histone H2B type 1-K [Homo sapiens] | 68.25 | 23 | 2 | 12 | 249 | 1.005 | 13 | 5.3 | 1.117 | 13 | 8.5 | 7368.62 | 68.25 | 36 | 249 | 126 | 13.9 | 10.32 |
| 390517020 | inosine triphosphate pyrophosphatase isoform c [Homo sapiens] | 9.15 | 3 | 1 | 1 | 2 | 1.005 | 1 |  | 1.220 | 1 |  | 35.59 | 9.15 | 2 | 2 | 153 | 16.8 | 7.18 |
| 40254982 | protein FAM107B isoform b [Homo sapiens] | 18.95 | 2 | 5 | 8 | 24 | 1.005 | 7 | 12.7 | 1.202 | 7 | 12.6 | 589.23 | 18.95 | 18 | 24 | 306 | 34.7 | 7.01 |
| 153266841 | beta-2-glycoprotein 1 precursor [Homo sapiens] | 60.29 | 7 | 18 | 18 | 324 | 1.005 | 96 | 9.7 | 1.205 | 94 | 18.7 | 8781.61 | 60.29 | 53 | 324 | 345 | 38.3 | 7.97 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4503971 | rab GDP dissociation inhibitor alpha [Homo sapiens] | 40.27 | 8 | 6 | 16 | 109 | 1.005 | 10 | 4.2 | 1.127 | 10 | 10.9 | 3403.24 | 40.27 | 46 | 109 | 447 | 50.6 | 5.14 |
| 612407849 | integrin alpha-8 Isoform 2 preproprotein [Homo sapiens] | 1.72 | 2 | 1 | 2 | 8 | 1.005 | 1 |  | **3.763** | 1 |  | 26.67 | 1.72 | 2 | 8 | 1048 | 115.9 | 5.68 |
| 4826643 | annexin A3 [Homo sapiens] | 81.11 | 2 | 29 | 32 | 507 | 1.005 | 157 | 7.1 | 1.216 | 153 | 15.4 | 16349.26 | 81.11 | 89 | 507 | 323 | 36.4 | 5.92 |
| 525342616 | acyl-protein thioesterase 1 isoform 6 [Homo sapiens] | 21.08 | 7 | 3 | 3 | 13 | 1.005 | 3 | 7.0 | 1.362 | 3 | 0.2 | 365.32 | 21.08 | 9 | 13 | 166 | 18.0 | 5.06 |
| 306922420 | trophoblast glycoprotein-like precursor [Homo sapiens] | 9.42 | 1 | 1 | 3 | 8 | 1.005 | 2 | 5.0 | **11.390** | 1 |  | 35.10 | 9.42 | 3 | 8 | 382 | 40.4 | 8.27 |
| 4507791 | NEDD8-conjugating enzyme Ubc12 [Homo sapiens] | 12.02 | 1 | 2 | 3 | 9 | 1.005 | 2 | 2.2 | 1.040 | 2 | 1.6 | 198.61 | 12.02 | 9 | 9 | 183 | 20.9 | 7.69 |
| 41393561 | cytosol aminopeptidase [Homo sapiens] | 11.75 | 1 | 4 | 5 | 17 | 1.005 | 4 | 10.7 | 1.056 | 4 | 8.2 | 423.86 | 11.75 | 13 | 17 | 519 | 56.1 | 7.93 |
| 4503303 | neutrophil defensin 4 preproprotein [Homo sapiens] | 5.15 | 1 | 1 | 1 | 2 | 1.005 | 1 |  | 1.218 | 1 |  | 28.57 | 5.15 | 2 | 2 | 97 | 10.5 | 8.02 |
| 11968182 | 40S ribosomal protein S18 [Homo sapiens] | 23.03 | 1 | 2 | 4 | 10 | 1.005 | 2 | 6.5 | 1.251 | 2 | 22.0 | 175.67 | 23.03 | 10 | 10 | 152 | 17.7 | 10.99 |
| 530390795 | PREDICTED: formin-binding protein 1 isoform X20 [Homo sapiens] | 17.06 | 23 | 5 | 11 | 35 | 1.005 | 7 | 6.4 | 1.074 | 7 | 14.8 | 526.54 | 17.06 | 23 | 35 | 551 | 64.0 | 5.24 |
| 381342476 | heterogeneous nuclear ribonucleoprotein H [Homo sapiens] | 19.82 | 8 | 5 | 8 | 38 | 1.005 | 9 | 6.0 | 1.226 | 9 | 16.4 | 998.31 | 19.82 | 22 | 38 | 449 | 49.2 | 6.30 |
| 578829418 | PREDICTED: piezo-type mechanosensitive ion channel component 1 isoform X2 [Homo sapiens | 1.16 | 8 | 2 | 4 | 8 | 1.005 | 2 | 2.6 | 1.195 | 2 | 8.9 | 47.53 | 1.16 | 8 | 8 | 2497 | 283.9 | 7.43 |
| 7669492 | glyceraldehyde-3-phosphate dehydrogenase isoform 1 [Homo sapiens] | 91.64 | 3 | 4 | 27 | 2870 | 1.005 | 47 | 11.4 | 1.317 | 45 | 26.0 | 97872.33 | 91.64 | 81 | 2870 | 335 | 36.0 | 8.46 |
| 4758638 | peroxiredoxin-6 [Homo sapiens] | 74.55 | 1 | 16 | 16 | 124 | 1.004 | 40 | 8.5 | 1.116 | 40 | 12.3 | 4245.82 | 74.55 | 46 | 124 | 224 | 25.0 | 6.38 |
| 63055049 | phosphoglucomutase-2 [Homo sapiens] | 40.20 | 2 | 16 | 20 | 96 | 1.004 | 25 | 5.2 | 1.237 | 25 | 13.2 | 2625.47 | 40.20 | 58 | 96 | 612 | 68.2 | 6.73 |
| 260099723 | L-lactate dehydrogenase A chain isoform 3 [Homo sapiens] | 67.04 | 10 | 25 | 29 | 525 | 1.004 | 137 | 8.1 | 1.206 | 137 | 17.2 | 16802.63 | 67.04 | 83 | 525 | 361 | 39.8 | 8.43 |
| 4557325 | apolipoprotein E precursor [Homo sapiens] | 55.84 | 2 | 15 | 16 | 169 | 1.004 | 55 | 6.4 | 1.407 | 53 | 29.7 | 7419.73 | 55.84 | 48 | 169 | 317 | 36.1 | 5.73 |
| 115298678 | complement C3 precursor [Homo sapiens] | 88.51 | 5 | 153 | 160 | 5899 | 1.004 | 1787 | 9.0 | 1.259 | 1667 | 25.2 | 224013.34 | 88.51 | 468 | 5899 | 1663 | 187.0 | 6.40 |
| 4557351 | cholinesterase precursor [Homo sapiens] | 5.32 | 2 | 2 | 2 | 6 | 1.004 | 3 | 3.3 | 1.255 | 3 | 50.3 | 295.19 | 5.32 | 4 | 6 | 602 | 68.4 | 7.42 |
| 530397403 | PREDICTED: cleavage and polyadenylation specificity factor subunit 7 isoform X5 [Homo sapien | 12.07 | 6 | 1 | 2 | 4 | 1.004 | 1 |  | 1.888 | 1 |  | 172.06 | 12.07 | 4 | 4 | 381 | 41.9 | 9.57 |
| 508772599 | annexin A11 isoform 2 [Homo sapiens] | 39.19 | 6 | 17 | 17 | 97 | 1.004 | 33 | 5.9 | 1.159 | 33 | 12.1 | 3752.64 | 39.19 | 51 | 97 | 472 | 51.2 | 7.66 |
| 583966148 | isocitrate dehydrogenase [NADP], mitochondrial isoform 2 [Homo sapiens] | 21.25 | 3 | 5 | 9 | 44 | 1.004 | 7 | 5.9 | 1.161 | 7 | 9.0 | 1004.83 | 21.25 | 20 | 44 | 400 | 45.2 | 7.75 |
| 319918873 | CORO7-PAM16 protein [Homo sapiens] | 9.73 | 8 | 6 | 8 | 35 | 1.004 | 7 | 11.3 | 0.953 | 7 | 25.0 | 794.86 | 9.73 | 19 | 35 | 1048 | 114.1 | 6.33 |
| 530372834 | PREDICTED: cAMP-dependent protein kinase type II-alpha regulatory subunit isoform X1 [Hom | 13.12 | 3 | 3 | 5 | 23 | 1.004 | 5 | 6.9 | 1.245 | 5 | 7.2 | 598.52 | 13.12 | 13 | 23 | 404 | 45.5 | 5.07 |
| 21071008 | transcobalamin-1 precursor [Homo sapiens] | 28.18 | 1 | 8 | 8 | 31 | 1.004 | 10 | 5.0 | 1.165 | 10 | 11.1 | 1264.12 | 28.18 | 23 | 31 | 433 | 48.2 | 5.03 |
| 578818421 | PREDICTED: amyloid beta A4 precursor protein-binding family B member 1-interacting protein i | 18.92 | 1 | 9 | 11 | 59 | 1.004 | 15 | 4.3 | 1.180 | 14 | 15.2 | 1382.09 | 18.92 | 29 | 59 | 666 | 73.1 | 5.59 |
| 385251392 | minor histocompatibility protein HA-1 isoform 2 precursor [Homo sapiens] | 4.60 | 11 | 2 | 7 | 12 | 1.004 | 2 | 2.7 | 1.184 | 2 | 7.4 | 135.99 | 4.60 | 12 | 12 | 1152 | 126.4 | 6.05 |
| 546232005 | 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2 isoform 3 [Homo sapiens] | 5.21 | 9 | 2 | 8 | 31 | 1.004 | 2 | 6.7 | 1.104 | 2 | 0.5 | 110.29 | 5.21 | 16 | 31 | 1170 | 132.4 | 6.29 |
| 578806044 | PREDICTED: inter-alpha-trypsin inhibitor heavy chain H3 isoform X3 [Homo sapiens] | 34.41 | 6 | 16 | 24 | 118 | 1.004 | 35 | 6.0 | 1.209 | 35 | 16.9 | 3593.18 | 34.41 | 61 | 118 | 898 | 100.7 | 5.91 |
| 21071030 | alpha-1B-glycoprotein precursor [Homo sapiens] | 59.39 | 1 | 17 | 18 | 499 | 1.004 | 149 | 7.1 | 1.259 | 142 | 26.0 | 15923.34 | 59.39 | 54 | 499 | 495 | 54.2 | 5.86 |
| 4504067 | aspartate aminotransferase, cytoplasmic [Homo sapiens] | 39.71 | 30 | 9 | 11 | 44 | 1.004 | 9 | 6.6 | 1.038 | 9 | 23.7 | 963.57 | 39.71 | 30 | 44 | 413 | 46.2 | 7.01 |
| 388240801 | lamin-B2 [Homo sapiens] | 17.42 | 1 | 6 | 12 | 41 | 1.004 | 7 | 6.7 | 1.290 | 7 | 19.9 | 1156.16 | 17.42 | 29 | 41 | 620 | 69.9 | 5.59 |
| 162809334 | pregnancy zone protein precursor [Homo sapiens] | 26.86 | 1 | 16 | 33 | 608 | 1.004 | 26 | 6.1 | 1.379 | 26 | 35.1 | 34596.07 | 26.86 | 90 | 608 | 1482 | 163.8 | 6.38 |
| 7524346 | adenylate kinase 2, mitochondrial isoform b [Homo sapiens] | 44.40 | 3 | 5 | 9 | 31 | 1.004 | 8 | 12.7 | 1.277 | 8 | 15.0 | 973.52 | 44.40 | 21 | 31 | 232 | 25.6 | 7.88 |
| 15431301 | 60S ribosomal protein L7 [Homo sapiens] | 16.94 | 4 | 2 | 4 | 11 | 1.004 | 3 | 2.8 | 1.196 | 3 | 11.6 | 281.14 | 16.94 | 7 | 11 | 248 | 29.2 | 10.65 |
| 55743106 | collagen alpha-3(VI) chain isoform 5 precursor [Homo sapiens] | 12.05 | 8 | 19 | 27 | 111 | 1.004 | 28 | 9.3 | 1.079 | 26 | 12.7 | 2803.36 | 12.05 | 71 | 111 | 2971 | 321.2 | 7.30 |
| 578811455 | PREDICTED: leukocyte elastase inhibitor isoform X1 [Homo sapiens] | 58.84 | 5 | 19 | 22 | 162 | 1.003 | 50 | 7.2 | 1.066 | 50 | 8.3 | 5825.22 | 58.84 | 61 | 162 | 379 | 42.7 | 6.28 |
| 4506381 | ras-related C3 botulinum toxin substrate 2 [Homo sapiens] | 52.60 | 6 | 5 | 10 | 93 | 1.003 | 14 | 4.1 | 1.352 | 13 | 31.5 | 2591.99 | 52.60 | 30 | 93 | 192 | 21.4 | 7.61 |
| 52487191 | endoplasmic reticulum resident protein 44 precursor [Homo sapiens] | 13.55 | 1 | 3 | 5 | 16 | 1.003 | 4 | 4.0 | 1.080 | 4 | 19.4 | 474.84 | 13.55 | 13 | 16 | 406 | 46.9 | 5.26 |
| 578822199 | PREDICTED: neutrophil collagenase isoform X1 [Homo sapiens] | 38.29 | 2 | 13 | 13 | 188 | 1.003 | 60 | 5.7 | 1.180 | 60 | 16.8 | 7784.50 | 38.29 | 39 | 188 | 444 | 50.8 | 6.16 |
| 4502315 | V-type proton ATPase subunit C 1 [Homo sapiens] | 6.54 | 1 | 2 | 2 | 6 | 1.003 | 2 | 24.0 | 1.102 | 2 | 14.1 | 268.32 | 6.54 | 6 | 6 | 382 | 43.9 | 7.46 |
| 578813531 | PREDICTED: MAGUK p55 subfamily member 6 isoform X3 [Homo sapiens] | 6.67 | 5 | 1 | 4 | 22 | 1.003 | 1 |  | 1.006 | 1 |  | 44.19 | 6.67 | 6 | 22 | 540 | 61.1 | 6.18 |
| 6912396 | glyoxylate reductase/hydroxypyruvate reductase [Homo sapiens] | 36.89 | 2 | 6 | 7 | 20 | 1.003 | 6 | 3.1 | 1.326 | 6 | 27.3 | 861.75 | 36.89 | 20 | 20 | 328 | 35.6 | 7.39 |
| 530400688 | PREDICTED: rho GTPase-activating protein 9 isoform X4 [Homo sapiens] | 10.03 | 8 | 3 | 5 | 12 | 1.003 | 3 | 0.3 | 1.180 | 3 | 17.0 | 461.92 | 10.03 | 11 | 12 | 798 | 88.5 | 8.07 |
| 4557361 | BH3-interacting domain death agonist isoform 2 [Homo sapiens] | 38.46 | 3 | 5 | 6 | 28 | 1.003 | 9 | 9.5 | 1.215 | 9 | 20.1 | 1146.41 | 38.46 | 16 | 28 | 195 | 22.0 | 5.44 |
| 5730023 | ruvB-like 2 [Homo sapiens] | 8.86 | 1 | 1 | 4 | 13 | 1.003 | 1 |  | 1.301 | 1 |  | 183.54 | 8.86 | 6 | 13 | 463 | 51.1 | 5.64 |
| 41327764 | aflatoxin B1 aldehyde reductase member 2 [Homo sapiens] | 18.38 | 1 | 3 | 5 | 11 | 1.003 | 3 | 2.4 | 0.918 | 3 | 9.3 | 487.60 | 18.38 | 11 | 11 | 359 | 39.6 | 7.17 |
| 133778974 | transketolase-like protein 2 [Homo sapiens] | 4.31 | 9 | 1 | 3 | 5 | 1.003 | 1 |  | 1.362 | 1 |  | 33.33 | 4.31 | 3 | 5 | 626 | 67.8 | 6.33 |
| 530428415 | PREDICTED: proteasome subunit beta type-8 isoform X1 [Homo sapiens] | 49.79 | 3 | 8 | 8 | 48 | 1.003 | 14 | 3.6 | 1.212 | 14 | 13.9 | 1395.72 | 49.79 | 24 | 48 | 243 | 27.0 | 7.18 |
| 260436922 | suprabasin isoform 1 precursor [Homo sapiens] | 26.10 | 3 | 6 | 6 | 27 | 1.003 | 9 | 5.1 | 1.046 | 9 | 7.9 | 1413.37 | 26.10 | 18 | 27 | 590 | 60.5 | 7.01 |
| 315075331 | SAA2-SAA2 protein precursor [Homo sapiens] | 42.79 | 3 | 5 | 10 | 149 | 1.003 | 22 | 3.9 | 1.306 | 21 | 20.8 | 3600.82 | 42.79 | 28 | 149 | 208 | 23.3 | 8.98 |
| 11761621 | mannose-1-phosphate guanyltransferase beta isoform 2 [Homo sapiens] | 10.56 | 2 | 3 | 4 | 17 | 1.003 | 5 | 4.3 | 1.188 | 5 | 9.8 | 397.60 | 10.56 | 11 | 17 | 360 | 39.8 | 6.79 |
| 145699123 | dedicator of cytokinesis protein 11 [Homo sapiens] | 2.60 | 4 | 1 | 6 | 10 | 1.003 | 1 |  | 1.086 | 1 |  | 26.17 | 2.60 | 6 | 10 | 2073 | 237.5 | 7.74 |
| 530370210 | PREDICTED: mannose-1-phosphate guanyltransferase alpha isoform X4 [Homo sapiens] | 9.05 | 3 | 3 | 3 | 9 | 1.003 | 3 | 4.1 | 1.212 | 3 | 7.9 | 360.59 | 9.05 | 9 | 9 | 420 | 46.3 | 7.21 |
| 165905601 | proline-serine-threonine phosphatase-interacting protein 2 [Homo sapiens] | 14.67 | 1 | 3 | 5 | 13 | 1.003 | 3 | 0.5 | 1.172 | 3 | 29.6 | 197.07 | 14.67 | 12 | 13 | 334 | 38.8 | 8.48 |
| 45439306 | aspartate--tRNA ligase, cytoplasmic isoform 1 [Homo sapiens] | 18.56 | 2 | 5 | 9 | 21 | 1.003 | 5 | 11.6 | 1.143 | 5 | 10.7 | 186.04 | 18.56 | 18 | 21 | 501 | 57.1 | 6.55 |
| 540344555 | complement C2 isoform 5 [Homo sapiens] | 40.11 | 6 | 21 | 25 | 127 | 1.003 | 37 | 4.9 | 1.226 | 35 | 22.0 | 3132.95 | 40.11 | 69 | 127 | 723 | 80.1 | 7.46 |
| 4507725 | transthyretin precursor [Homo sapiens] | 77.55 | 1 | 13 | 13 | 596 | 1.003 | 191 | 12.1 | 1.198 | 188 | 27.3 | 26394.27 | 77.55 | 38 | 596 | 147 | 15.9 | 5.76 |
| 6005942 | transitional endoplasmic reticulum ATPase [Homo sapiens] | 61.29 | 6 | 35 | 39 | 217 | 1.003 | 67 | 4.9 | 1.134 | 67 | 16.2 | 6702.37 | 61.29 | 111 | 217 | 806 | 89.3 | 5.26 |
| 5901998 | U6 snRNA-associated Sm-like protein LSm6 [Homo sapiens] | 77.50 | 1 | 4 | 5 | 26 | 1.003 | 7 | 5.3 | 1.380 | 6 | 31.7 | 682.98 | 77.50 | 13 | 26 | 80 | 9.1 | 9.58 |
| 4505227 | myeloid cell nuclear differentiation antigen [Homo sapiens] | 74.20 | 57 | 31 | 32 | 641 | 1.003 | 179 | 7.1 | 1.179 | 175 | 15.8 | 21345.79 | 74.20 | 95 | 641 | 407 | 45.8 | 9.76 |
| 530368148 | PREDICTED: macrophage-capping protein isoform X1 [Homo sapiens] | 77.01 | 2 | 13 | 16 | 191 | 1.002 | 52 | 5.0 | 1.200 | 49 | 16.4 | 7926.37 | 77.01 | 43 | 191 | 348 | 38.5 | 6.19 |
| 11386147 | prosaposin isoform a preproprotein [Homo sapiens] | 28.63 | 3 | 13 | 14 | 130 | 1.002 | 39 | 8.8 | 1.173 | 38 | 12.0 | 3810.05 | 28.63 | 40 | 130 | 524 | 58.1 | 5.17 |
| 503774159 | sorting nexin-2 isoform 2 [Homo sapiens] | 14.93 | 7 | 2 | 5 | 12 | 1.002 | 2 | 1.4 | 1.025 | 2 | 0.5 | 364.94 | 14.93 | 12 | 12 | 402 | 46.1 | 7.24 |
| 543583725 | prostaglandin E synthase 3 isoform f [Homo sapiens] | 19.27 | 8 | 2 | 3 | 14 | 1.002 | 6 | 12.3 | 1.309 | 6 | 24.2 | 618.48 | 19.27 | 6 | 14 | 109 | 12.7 | 5.59 |
| 145309326 | laminin subunit gamma-1 precursor [Homo sapiens] | 4.60 | 1 | 2 | 8 | 24 | 1.002 | 2 | 3.0 | 1.192 | 2 | 10.8 | 99.09 | 4.60 | 14 | 24 | 1609 | 177.5 | 5.12 |
| 291575128 | L-lactate dehydrogenase B chain [Homo sapiens] | 51.50 | 4 | 14 | 16 | 141 | 1.002 | 34 | 7.1 | 1.152 | 33 | 11.5 | 4710.83 | 51.50 | 48 | 141 | 334 | 36.6 | 6.05 |
| 4507115 | fascin [Homo sapiens] | 6.29 | 1 | 2 | 2 | 6 | 1.002 | 2 | 13.9 | 1.352 | 2 | 27.8 | 340.37 | 6.29 | 6 | 6 | 493 | 54.5 | 7.24 |
| 40317626 | thrombospondin-1 precursor [Homo sapiens] | 6.15 | 1 | 3 | 7 | 15 | 1.002 | 3 | 3.7 | 1.329 | 3 | 4.1 | 461.58 | 6.15 | 12 | 15 | 1170 | 129.3 | 4.94 |
| 4557795 | merlin isoform 1 [Homo sapiens] | 10.25 | 2 | 1 | 7 | 11 | 1.002 | 2 | 3.8 | 1.193 | 2 | 13.5 | 39.83 | 10.25 | 7 | 11 | 595 | 69.6 | 6.47 |
| 145275213 | coagulation factor XII precursor [Homo sapiens] | 24.55 | 1 | 11 | 12 | 51 | 1.002 | 16 | 5.2 | 1.128 | 14 | 9.5 | 1593.11 | 24.55 | 32 | 51 | 615 | 67.7 | 7.74 |
| 39930541 | uncharacterized protein C9orf142 [Homo sapiens] | 8.82 | 1 | 1 | 2 | 4 | 1.002 | 1 |  | 0.953 | 1 |  | 143.87 | 8.82 | 4 | 4 | 204 | 21.6 | 5.48 |
| 148539876 | beta-adrenergic receptor kinase 1 [Homo sapiens] | 19.30 | 6 | 9 | 11 | 51 | 1.002 | 12 | 4.4 | 1.261 | 12 | 17.3 | 1078.66 | 19.30 | 28 | 51 | 689 | 79.5 | 7.28 |
| 530379292 | PREDICTED: transportin-1 isoform X2 [Homo sapiens] | 5.31 | 3 | 2 | 5 | 58 | 1.002 | 1 |  | 1.034 | 1 |  | 175.40 | 5.31 | 9 | 58 | 866 | 98.6 | 4.97 |
| 530377342 | PREDICTED: coagulation factor XI isoform X4 [Homo sapiens] | 7.30 | 7 | 2 | 4 | 9 | 1.002 | 2 | 0.0 | 1.132 | 2 | 0.3 | 127.69 | 7.30 | 9 | 9 | 534 | 59.5 | 7.91 |
| 4504183 | glutathione S-transferase P [Homo sapiens] | 91.90 | 1 | 15 | 16 | 513 | 1.002 | 100 | 9.4 | 1.254 | 98 | 22.2 | 12144.34 | 91.90 | 48 | 513 | 210 | 23.3 | 5.64 |
| 73858564 | corticosteroid-binding globulin precursor [Homo sapiens] | 38.27 | 1 | 10 | 11 | 63 | 1.002 | 17 | 5.6 | 1.173 | 17 | 19.2 | 2670.20 | 38.27 | 33 | 63 | 405 | 45.1 | 6.04 |
| 223029410 | talin-1 [Homo sapiens] | 47.74 | 2 | 72 | 88 | 443 | 1.002 | 129 | 7.6 | 1.143 | 124 | 18.7 | 15796.81 | 47.74 | 245 | 443 | 2541 | 269.6 | 6.07 |
| 530434751 | PREDICTED: LOW QUALITY PROTEIN: double homeobox protein 4-like [Homo sapiens] | 3.35 | 3 | 1 | 2 | 26 | 1.002 | 7 | 4.7 | 1.370 | 7 | 9.3 | 264.80 | 3.35 | 4 | 26 | 418 | 44.9 | 8.53 |
| 325652118 | probable aminopeptidase NPEPL1 isoform 3 [Homo sapiens] | 9.05 | 3 | 1 | 2 | 9 | 1.002 | 1 |  | 1.226 | 1 |  | 121.23 | 9.05 | 4 | 9 | 475 | 50.5 | 6.52 |
| 66347875 | complement C1r subcomponent precursor [Homo sapiens] | 42.84 | 2 | 23 | 24 | 187 | 1.002 | 57 | 6.5 | 1.267 | 56 | 24.2 | 6306.50 | 42.84 | 69 | 187 | 705 | 80.1 | 6.29 |
| 4827036 | peptidoglycan recognition protein 1 precursor [Homo sapiens] | 53.06 | 1 | 6 | 6 | 111 | 1.001 | 37 | 8.3 | 1.301 | 36 | 44.8 | 5105.05 | 53.06 | 18 | 111 | 196 | 21.7 | 8.59 |
| 4507877 | vinculin isoform VCL [Homo sapiens] | 68.86 | 4 | 52 | 60 | 352 | 1.001 | 106 | 6.8 | 1.165 | 103 | 17.9 | 14119.70 | 68.86 | 166 | 352 | 1066 | 116.6 | 6.09 |
| 4506773 | protein S100-A9 [Homo sapiens] | 91.23 | 1 | 16 | 17 | 6295 | 1.001 | 1706 | 8.8 | 1.208 | 1695 | 18.3 | 182454.26 | 91.23 | 51 | 6295 | 114 | 13.2 | 6.13 |
| 41393602 | complement C1s subcomponent precursor [Homo sapiens] | 45.06 | 1 | 19 | 22 | 133 | 1.001 | 41 | 8.8 | 1.214 | 40 | 26.3 | 3797.89 | 45.06 | 59 | 133 | 688 | 76.6 | 4.96 |
| 186700623 | rab-like protein 6 isoform 1 [Homo sapiens] | 3.16 | 2 | 1 | 3 | 5 | 1.001 | 1 |  | 1.482 | 1 |  | 79.70 | 3.16 | 5 | 5 | 729 | 79.5 | 5.22 |
| 530366456 | PREDICTED: C4b-binding protein alpha chain isoform X2 [Homo sapiens] | 55.78 | 1 | 28 | 28 | 362 | 1.001 | 97 | 7.0 | 1.211 | 93 | 17.8 | 8487.60 | 55.78 | 82 | 362 | 597 | 67.0 | 7.30 |
| 510025468 | cAMP-dependent protein kinase type I-alpha regulatory subunit isoform a [Homo sapiens] | 33.33 | 4 | 8 | 11 | 49 | 1.001 | 15 | 7.0 | 1.212 | 15 | 14.2 | 1777.74 | 33.33 | 28 | 49 | 381 | 43.0 | 5.35 |
| 156119625 | inter-alpha-trypsin inhibitor heavy chain H1 isoform a precursor [Homo sapiens] | 36.99 | 3 | 17 | 21 | 207 | 1.001 | 63 | 7.6 | 1.213 | 63 | 16.7 | 9160.36 | 36.99 | 58 | 207 | 911 | 101.3 | 6.79 |
| 530418095 | PREDICTED: glutathione synthetase isoform X2 [Homo sapiens] | 13.92 | 1 | 2 | 6 | 14 | 1.001 | 2 | 3.8 | 1.499 | 2 | 50.0 | 217.81 | 13.92 | 13 | 14 | 474 | 52.4 | 5.92 |
| 46397403 | centrin-3 isoform 2 [Homo sapiens] | 16.77 | 1 | 1 | 5 | 12 | 1.001 | 4 | 6.2 | 1.340 | 4 | 2.6 | 51.82 | 16.77 | 6 | 12 | 167 | 19.5 | 4.74 |
| 4758018 | calponin-2 isoform a [Homo sapiens] | 39.16 | 4 | 6 | 8 | 73 | 1.001 | 18 | 4.7 | 1.085 | 18 | 20.4 | 2784.94 | 39.16 | 21 | 73 | 309 | 33.7 | 7.33 |
| 148806869 | transmembrane protein 251 isoform 2 [Homo sapiens] | 5.34 | 2 | 1 | 1 | 4 | 1.001 | 1 |  | 1.710 | 1 |  | 44.69 | 5.34 | 2 | 4 | 131 | 15.2 | 7.83 |
| 167857790 | alpha-1-acid glycoprotein 1 precursor [Homo sapiens] | 49.75 | 1 | 7 | 12 | 1638 | 1.001 | 442 | 8.1 | 1.294 | 425 | 27.3 | 57139.16 | 49.75 | 36 | 1638 | 201 | 23.5 | 5.11 |
| 374081861 | ras-related protein Rab-18 isoform 4 [Homo sapiens] | 18.13 | 4 | 2 | 3 | 8 | 1.001 | 2 | 4.8 | 1.222 | 2 | 7.7 | 267.26 | 18.13 | 8 | 8 | 182 | 20.4 | 5.00 |
| 4506205 | proteasome subunit beta type-9 proprotein [Homo sapiens] | 43.84 | 1 | 4 | 5 | 25 | 1.001 | 8 | 3.0 | 1.204 | 7 | 10.6 | 1097.71 | 43.84 | 13 | 25 | 219 | 23.2 | 5.03 |
| 578818938 | PREDICTED: cytochrome c oxidase assembly protein COX15 homolog isoform X2 [Homo sapien | 2.68 | 4 | 1 | 1 | 1 | 1.001 | 1 |  | 1.292 | 1 |  | 0.00 | 2.68 | 1 | 1 | 298 | 33.7 | 9.52 |
| 34365783 | visual system homeobox 2 [Homo sapiens] | 2.49 | 1 | 1 | 1 | 22 | 1.001 | 6 | 5.1 | 1.871 | 6 | 45.0 | 201.98 | 2.49 | 2 | 22 | 361 | 39.4 | 7.55 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 578809103 | PREDICTED: complement factor I isoform X4 [Homo sapiens] | 42.75 | 5 | 21 | 26 | 179 | 1.001 | 52 | 8.5 | 1.231 | 52 | 16.4 | 5355.17 | 42.75 | 72 | 179 | 531 | 60.0 | 7.93 |
| 39995109 | ganglioside GM2 activator isoform 1 precursor [Homo sapiens] | 18.65 | 1 | 2 | 3 | 10 | 1.001 | 3 | 13.1 | 1.050 | 3 | 5.3 | 364.36 | 18.65 | 7 | 10 | 193 | 20.8 | 5.31 |
| 19923973 | BTB/POZ domain-containing protein KCTD12 [Homo sapiens] | 28.92 | 2 | 8 | 9 | 32 | 1.001 | 9 | 2.9 | 1.206 | 9 | 11.3 | 911.96 | 28.92 | 27 | 32 | 325 | 35.7 | 5.64 |
| 194688133 | high mobility group protein B2 [Homo sapiens] | 60.77 | 1 | 10 | 17 | 241 | 1.001 | 51 | 4.2 | 1.144 | 51 | 14.4 | 6327.02 | 60.77 | 51 | 241 | 209 | 24.0 | 7.81 |
| 530410617 | PREDICTED: 14-3-3 protein epsilon isoform X1 [Homo sapiens] | 61.67 | 2 | 17 | 20 | 158 | 1.001 | 38 | 7.2 | 1.124 | 38 | 16.5 | 6164.96 | 61.67 | 60 | 158 | 240 | 27.4 | 4.89 |
| 530412282 | PREDICTED: ATP-citrate synthase isoform X1 [Homo sapiens] | 35.15 | 4 | 26 | 30 | 133 | 1.001 | 43 | 8.2 | 1.131 | 43 | 15.0 | 5206.74 | 35.15 | 81 | 133 | 1155 | 126.1 | 8.18 |
| 4504981 | galectin-1 [Homo sapiens] | 35.56 | 1 | 5 | 5 | 17 | 1.001 | 6 | 4.5 | 1.087 | 6 | 7.7 | 560.17 | 35.56 | 14 | 17 | 135 | 14.7 | 5.50 |
| 530397175 | PREDICTED: signal-induced proliferation-associated protein 1 isoform X1 [Homo sapiens] | 5.37 | 30 | 1 | 6 | 13 | 1.000 | 1 |  | 1.525 | 1 |  | 68.45 | 5.37 | 9 | 13 | 1042 | 112.1 | 6.60 |
| 530364900 | PREDICTED: ubiquitin-fold modifier-conjugating enzyme 1 isoform X1 [Homo sapiens] | 22.13 | 2 | 3 | 3 | 9 | 1.000 | 3 | 0.2 | 1.104 | 3 | 12.4 | 255.56 | 22.13 | 9 | 9 | 122 | 14.6 | 5.59 |
| 21361621 | phosphoglucomutase-1 isoform 1 [Homo sapiens] | 68.33 | 3 | 23 | 27 | 181 | 1.000 | 51 | 5.8 | 1.196 | 48 | 17.0 | 7013.68 | 68.33 | 72 | 181 | 562 | 61.4 | 6.76 |
| 54792071 | small ubiquitin-related modifier 2 isoform b precursor [Homo sapiens] | 36.62 | 5 | 2 | 2 | 15 | 1.000 | 3 | 1.9 | 1.100 | 3 | 13.0 | 400.17 | 36.62 | 6 | 15 | 71 | 8.1 | 5.41 |
| 4506925 | SH3 domain-binding glutamic acid-rich-like protein [Homo sapiens] | 68.42 | 1 | 8 | 8 | 67 | 1.000 | 22 | 9.2 | 1.186 | 21 | 15.2 | 2534.96 | 68.42 | 24 | 67 | 114 | 12.8 | 5.25 |
| 515869342 | hsc70-interacting protein isoform 2 [Homo sapiens] | 18.11 | 2 | 5 | 7 | 24 | 1.000 | 6 | 8.2 | 1.070 | 6 | 7.7 | 687.69 | 18.11 | 21 | 24 | 359 | 40.1 | 5.30 |
| 325652048 | transcription elongation factor B polypeptide 1 isoform b [Homo sapiens] | 42.71 | 2 | 3 | 3 | 15 | 1.000 | 5 | 2.2 | 1.201 | 5 | 13.4 | 740.40 | 42.71 | 9 | 15 | 96 | 10.8 | 5.36 |
| 530391028 | PREDICTED: gelsolin isoform X6 [Homo sapiens] | 70.45 | 10 | 37 | 41 | 975 | 1.000 | 264 | 8.4 | 1.161 | 257 | 19.5 | 34080.66 | 70.45 | 121 | 975 | 731 | 80.6 | 5.85 |
| 73858566 | heparin cofactor 2 precursor [Homo sapiens] | 62.73 | 2 | 22 | 24 | 226 | 1.000 | 71 | 5.9 | 1.284 | 69 | 20.0 | 6434.13 | 62.73 | 68 | 226 | 499 | 57.0 | 6.90 |
| 47132622 | S-methyl-5'-thioadenosine phosphorylase [Homo sapiens] | 26.86 | 1 | 4 | 6 | 15 | 1.000 | 4 | 3.2 | 1.164 | 4 | 7.7 | 692.21 | 26.86 | 15 | 15 | 283 | 31.2 | 7.18 |
| 16418467 | leucine-rich alpha-2-glycoprotein precursor [Homo sapiens] | 52.74 | 1 | 14 | 15 | 194 | 1.000 | 52 | 9.0 | 1.148 | 48 | 23.4 | 6431.95 | 52.74 | 44 | 194 | 347 | 38.2 | 6.95 |
| 530376957 | PREDICTED: sulfotransferase family cytosolic 1B member 1 isoform X3 [Homo sapiens] | 21.66 | 3 | 2 | 5 | 12 | 1.000 | 3 | 0.4 | 1.566 | 3 | 30.7 | 458.45 | 21.66 | 9 | 12 | 277 | 32.7 | 6.62 |
| 157649073 | adenylyl cyclase-associated protein 1 [Homo sapiens] | 82.32 | 3 | 36 | 39 | 613 | 1.000 | 198 | 7.6 | 1.191 | 186 | 16.4 | 24129.03 | 82.32 | 113 | 613 | 475 | 51.6 | 8.02 |
| 375493534 | casein kinase 2, alpha 1 polypeptide-like [Homo sapiens] | 8.18 | 7 | 3 | 4 | 21 | 1.000 | 6 | 6.8 | 1.230 | 6 | 15.8 | 507.88 | 8.18 | 12 | 21 | 391 | 45.2 | 8.50 |
| 222144229 | ubiquitin-like modifier-activating enzyme ATG7 isoform c [Homo sapiens] | 10.43 | 8 | 3 | 5 | 18 | 1.000 | 5 | 5.2 | 1.186 | 5 | 18.4 | 661.53 | 10.43 | 11 | 18 | 623 | 68.6 | 6.48 |
| 4502163 | apolipoprotein D precursor [Homo sapiens] | 37.57 | 1 | 8 | 8 | 128 | 1.000 | 46 | 8.2 | 1.516 | 45 | 21.2 | 5244.38 | 37.57 | 24 | 128 | 189 | 21.3 | 5.15 |
| 574584836 | mannose-6-phosphate isomerase isoform 2 [Homo sapiens] | 9.41 | 3 | 1 | 1 | 2 | 1.000 | 1 |  | 1.100 | 1 |  | 47.37 | 9.41 | 2 | 2 | 287 | 31.9 | 6.74 |
| 348041314 | cathelicidin antimicrobial peptide preproprotein [Homo sapiens] | 54.91 | 1 | 11 | 12 | 141 | 1.000 | 41 | 4.6 | 1.248 | 41 | 11.4 | 3733.95 | 54.91 | 34 | 141 | 173 | 19.6 | 9.41 |
| 384367993 | COP9 signalosome complex subunit 4 isoform 2 [Homo sapiens] | 29.26 | 31 | 3 | 8 | 16 | 1.000 | 3 | 7.9 | 1.078 | 3 | 5.5 | 476.65 | 29.26 | 16 | 16 | 352 | 40.2 | 6.95 |
| 30581135 | structural maintenance of chromosomes protein 1A isoform 1 [Homo sapiens] | 20.60 | 30 | 8 | 26 | 84 | 1.000 | 8 | 7.7 | 1.334 | 8 | 21.3 | 1288.20 | 20.60 | 56 | 84 | 1233 | 143.1 | 7.64 |
| 296080770 | platelet-activating factor acetylhydrolase IB subunit beta isoform d [Homo sapiens] | 25.76 | 4 | 2 | 2 | 12 | 1.000 | 4 | 8.7 | 1.271 | 4 | 32.4 | 540.91 | 25.76 | 6 | 12 | 132 | 14.9 | 5.10 |
| 345197264 | tumor protein D54 isoform h [Homo sapiens] | 14.11 | 10 | 2 | 2 | 6 | 0.999 | 2 | 4.3 | 1.179 | 2 | 3.8 | 294.91 | 14.11 | 6 | 6 | 163 | 17.5 | 6.60 |
| 645912966 | major vault protein isoform 3 [Homo sapiens] | 46.19 | 3 | 27 | 30 | 125 | 0.999 | 37 | 5.9 | 1.101 | 35 | 14.9 | 4086.67 | 46.19 | 82 | 125 | 827 | 91.9 | 5.41 |
| 60279268 | splicing factor U2AF 65 kDa subunit isoform b [Homo sapiens] | 13.16 | 3 | 5 | 5 | 16 | 0.999 | 5 | 6.7 | 1.121 | 5 | 35.5 | 405.07 | 13.16 | 13 | 16 | 471 | 53.1 | 9.09 |
| 530380257 | PREDICTED: core histone macro-H2A.1 isoform X3 [Homo sapiens] | 47.28 | 6 | 13 | 13 | 114 | 0.999 | 37 | 5.4 | 1.192 | 36 | 11.6 | 4760.09 | 47.28 | 39 | 114 | 368 | 39.0 | 9.80 |
| 4826898 | profilin-1 [Homo sapiens] | 75.00 | 4 | 11 | 11 | 912 | 0.999 | 289 | 9.6 | 1.184 | 285 | 16.6 | 34773.89 | 75.00 | 33 | 912 | 140 | 15.0 | 8.27 |
| 77404397 | staphylococcal nuclease domain-containing protein 1 [Homo sapiens] | 12.75 | 1 | 7 | 11 | 25 | 0.999 | 7 | 5.3 | 1.127 | 7 | 12.6 | 712.43 | 12.75 | 25 | 25 | 910 | 101.9 | 7.17 |
| 530410036 | PREDICTED: eukaryotic translation initiation factor 5A-1 isoform X5 [Homo sapiens] | 71.43 | 4 | 8 | 8 | 48 | 0.999 | 14 | 13.4 | 1.115 | 13 | 5.6 | 1288.96 | 71.43 | 24 | 48 | 154 | 16.8 | 5.24 |
| 578846043 | PREDICTED: uncharacterized protein LOC102725101 [Homo sapiens] | 7.52 | 2 | 1 | 3 | 333 | 0.999 | 10 | 6.9 | 1.402 | 10 | 24.0 | 4976.52 | 7.52 | 9 | 333 | 359 | 39.1 | 8.47 |
| 18104989 | tyrosine-protein phosphatase non-receptor type 6 isoform 1 [Homo sapiens] | 45.21 | 4 | 22 | 24 | 164 | 0.999 | 48 | 8.5 | 1.148 | 48 | 16.9 | 5801.62 | 45.21 | 71 | 164 | 595 | 67.5 | 7.78 |
| 4502119 | membrane primary amine oxidase isoform 1 [Homo sapiens] | 4.19 | 2 | 1 | 4 | 4 | 0.999 | 1 |  | 1.294 | 1 |  | 25.36 | 4.19 | 4 | 4 | 763 | 84.6 | 6.52 |
| 4503635 | prothrombin preproprotein [Homo sapiens] | 60.29 | 1 | 24 | 29 | 235 | 0.999 | 75 | 6.6 | 1.276 | 73 | 21.1 | 8902.55 | 60.29 | 80 | 235 | 622 | 70.0 | 5.90 |
| 5453555 | GTP-binding nuclear protein Ran isoform 1 [Homo sapiens] | 40.74 | 1 | 10 | 11 | 82 | 0.999 | 26 | 5.3 | 1.205 | 26 | 13.7 | 3300.65 | 40.74 | 31 | 82 | 216 | 24.4 | 7.49 |
| 4557581 | fatty acid-binding protein, epidermal [Homo sapiens] | 65.93 | 1 | 8 | 9 | 88 | 0.999 | 27 | 8.1 | 1.089 | 27 | 7.4 | 2900.13 | 65.93 | 26 | 88 | 135 | 15.2 | 7.01 |
| 4504301 | histone H4 [Homo sapiens] | 59.22 | 1 | 7 | 8 | 246 | 0.999 | 78 | 6.0 | 1.250 | 78 | 21.9 | 8688.50 | 59.22 | 24 | 246 | 103 | 11.4 | 11.36 |
| 4506691 | 40S ribosomal protein S16 [Homo sapiens] | 29.45 | 2 | 2 | 5 | 25 | 0.999 | 2 | 3.4 | 1.112 | 2 | 0.3 | 415.58 | 29.45 | 11 | 25 | 146 | 16.4 | 10.21 |
| 9951915 | adenosylhomocysteinase isoform 1 [Homo sapiens] | 37.04 | 2 | 15 | 16 | 75 | 0.999 | 24 | 6.7 | 1.178 | 23 | 19.2 | 2961.11 | 37.04 | 46 | 75 | 432 | 47.7 | 6.34 |
| 48762920 | 6-phosphofructokinase, liver type isoform b [Homo sapiens] | 33.59 | 12 | 16 | 20 | 64 | 0.999 | 18 | 7.3 | 1.179 | 18 | 14.0 | 2118.70 | 33.59 | 55 | 64 | 780 | 85.0 | 7.50 |
| 5453567 | craniofacial development protein 1 [Homo sapiens] | 7.02 | 1 | 1 | 3 | 12 | 0.999 | 1 |  | 1.161 | 1 |  | 38.45 | 7.02 | 4 | 12 | 299 | 33.6 | 4.81 |
| 578806371 | PREDICTED: protein kinase C delta type isoform X2 [Homo sapiens] | 15.09 | 13 | 4 | 11 | 31 | 0.999 | 6 | 2.0 | 1.211 | 6 | 18.1 | 610.99 | 15.09 | 21 | 31 | 676 | 77.5 | 7.75 |
| 4506203 | proteasome subunit beta type-7 proprotein [Homo sapiens] | 18.77 | 1 | 3 | 4 | 16 | 0.999 | 4 | 6.7 | 0.997 | 4 | 5.8 | 338.64 | 18.77 | 12 | 16 | 277 | 29.9 | 7.68 |
| 4885385 | histone H3.3 [Homo sapiens] | 58.82 | 3 | 1 | 11 | 106 | 0.999 | 5 | 8.2 | 1.418 | 3 | 2.6 | 2359.60 | 58.82 | 33 | 106 | 136 | 15.3 | 11.27 |
| 23308577 | D-3-phosphoglycerate dehydrogenase [Homo sapiens] | 5.25 | 1 | 3 | 3 | 12 | 0.999 | 4 | 5.9 | 1.166 | 4 | 10.5 | 252.46 | 5.25 | 9 | 12 | 533 | 56.6 | 6.71 |
| 6912494 | microtubule-associated protein RP/EB family member 1 [Homo sapiens] | 46.64 | 8 | 9 | 12 | 58 | 0.999 | 17 | 5.3 | 1.186 | 17 | 12.2 | 1567.48 | 46.64 | 30 | 58 | 268 | 30.0 | 5.14 |
| 343887374 | glutaredoxin-1 [Homo sapiens] | 80.19 | 3 | 7 | 7 | 237 | 0.999 | 46 | 10.4 | 1.123 | 44 | 18.4 | 6701.22 | 80.19 | 21 | 237 | 106 | 11.8 | 8.09 |
| 35493701 | vacuolar protein sorting-associated protein 13B isoform 1 [Homo sapiens] | 0.90 | 3 | 1 | 5 | 16 | 0.998 | 1 |  | 1.038 | 1 |  | 94.95 | 0.90 | 12 | 16 | 3997 | 445.7 | 6.46 |
| 4826762 | haptoglobin isoform 1 preproprotein [Homo sapiens] | 78.08 | 8 | 19 | 38 | 5608 | 0.998 | 1039 | 9.5 | 1.315 | 908 | 29.8 | 166271.17 | 78.08 | 111 | 5608 | 406 | 45.2 | 6.58 |
| 293332611 | tyrosine-protein kinase SYK isoform Syk(S) [Homo sapiens] | 14.38 | 2 | 5 | 9 | 25 | 0.998 | 7 | 4.3 | 1.153 | 7 | 26.0 | 560.30 | 14.38 | 19 | 25 | 612 | 69.5 | 7.56 |
| 578823780 | PREDICTED: nascent polypeptide-associated complex subunit alpha isoform X10 [Homo sapiens | 25.58 | 7 | 4 | 4 | 20 | 0.998 | 6 | 4.8 | 1.069 | 6 | 28.7 | 574.06 | 25.58 | 12 | 20 | 215 | 23.4 | 4.56 |
| 7657315 | U6 snRNA-associated Sm-like protein LSm3 [Homo sapiens] | 28.43 | 1 | 1 | 3 | 12 | 0.998 | 3 | 6.3 | 1.488 | 3 | 37.3 | 140.82 | 28.43 | 6 | 12 | 102 | 11.8 | 4.70 |
| 112293277 | dnaJ homolog subfamily C member 8 [Homo sapiens] | 21.74 | 1 | 3 | 4 | 14 | 0.998 | 4 | 7.2 | 1.232 | 4 | 4.6 | 333.69 | 21.74 | 11 | 14 | 253 | 29.8 | 9.06 |
| 578813467 | PREDICTED: heterogeneous nuclear ribonucleoproteins A2/B1 isoform X5 [Homo sapiens] | 43.13 | 10 | 12 | 21 | 173 | 0.998 | 36 | 5.1 | 1.169 | 36 | 13.5 | 5286.10 | 43.13 | 61 | 173 | 313 | 33.9 | 9.03 |
| 5174447 | guanine nucleotide-binding protein subunit beta-2-like 1 [Homo sapiens] | 37.85 | 1 | 6 | 10 | 32 | 0.998 | 7 | 5.6 | 1.104 | 7 | 17.8 | 470.64 | 37.85 | 24 | 32 | 317 | 35.1 | 7.69 |
| 4506189 | proteasome subunit alpha type-7 [Homo sapiens] | 51.61 | 8 | 10 | 13 | 80 | 0.998 | 20 | 8.4 | 1.051 | 20 | 9.2 | 2783.71 | 51.61 | 39 | 80 | 248 | 27.9 | 8.46 |
| 116284394 | myosin-14 isoform 2 [Homo sapiens] | 15.39 | 92 | 1 | 35 | 154 | 0.998 | 1 |  | 0.952 | 1 |  | 3023.50 | 15.39 | 75 | 154 | 1995 | 227.7 | 5.60 |
| 5032057 | protein S100-A11 [Homo sapiens] | 88.57 | 1 | 9 | 9 | 181 | 0.998 | 55 | 7.7 | 1.260 | 54 | 16.9 | 6657.37 | 88.57 | 27 | 181 | 105 | 11.7 | 7.12 |
| 578821773 | PREDICTED: fermitin family homolog 3 isoform X1 [Homo sapiens] | 45.10 | 4 | 22 | 24 | 102 | 0.998 | 31 | 4.3 | 1.160 | 30 | 16.3 | 3350.88 | 45.10 | 67 | 102 | 663 | 75.4 | 6.77 |
| 578821284 | PREDICTED: bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing) is | 6.93 | 4 | 2 | 3 | 7 | 0.998 | 2 | 7.3 | 1.202 | 2 | 19.8 | 139.09 | 6.93 | 6 | 7 | 505 | 51.9 | 6.81 |
| 255918077 | versican core protein isoform 3 precursor [Homo sapiens] | 1.74 | 4 | 2 | 5 | 11 | 0.998 | 2 | 10.0 | 1.207 | 2 | 1.3 | 178.37 | 1.74 | 8 | 11 | 2409 | 264.9 | 4.54 |
| 528078313 | neutrophil cytosol factor 1 [Homo sapiens] | 76.15 | 3 | 22 | 25 | 251 | 0.998 | 80 | 8.1 | 1.220 | 77 | 23.9 | 9500.96 | 76.15 | 71 | 251 | 390 | 44.7 | 9.13 |
| 70906437 | fibrinogen gamma chain isoform gamma-A precursor [Homo sapiens] | 82.84 | 4 | 33 | 36 | 3219 | 0.998 | 741 | 12.8 | 1.267 | 719 | 24.7 | 69811.15 | 82.84 | 107 | 3219 | 437 | 49.5 | 6.09 |
| 530389385 | PREDICTED: copine-3 isoform X1 [Homo sapiens] | 37.99 | 18 | 13 | 17 | 110 | 0.998 | 28 | 9.6 | 1.223 | 28 | 21.3 | 4030.46 | 37.99 | 46 | 110 | 537 | 60.1 | 5.85 |
| 5031573 | actin-related protein 3 isoform 1 [Homo sapiens] | 72.49 | 11 | 23 | 25 | 326 | 0.998 | 110 | 7.3 | 1.212 | 108 | 18.9 | 11914.23 | 72.49 | 69 | 326 | 418 | 47.3 | 5.88 |
| 296040505 | glycogenin-1 isoform 2 [Homo sapiens] | 29.13 | 3 | 7 | 8 | 62 | 0.998 | 21 | 7.4 | 1.046 | 21 | 10.9 | 2647.96 | 29.13 | 22 | 62 | 333 | 37.5 | 5.40 |
| 47519798 | neutrophil cytosol factor 4 isoform 1 [Homo sapiens] | 57.82 | 4 | 17 | 20 | 135 | 0.998 | 37 | 7.0 | 1.228 | 37 | 21.7 | 3904.68 | 57.82 | 57 | 135 | 339 | 39.0 | 6.83 |
| 4505029 | leukotriene A-4 hydrolase isoform 1 [Homo sapiens] | 67.43 | 7 | 38 | 40 | 337 | 0.997 | 103 | 7.1 | 1.245 | 103 | 22.2 | 12274.63 | 67.43 | 118 | 337 | 611 | 69.2 | 6.18 |
| 451172106 | coronin-1C isoform b [Homo sapiens] | 48.73 | 9 | 13 | 20 | 77 | 0.997 | 16 | 6.9 | 1.173 | 16 | 14.1 | 1599.01 | 48.73 | 54 | 77 | 474 | 53.2 | 7.08 |
| 11386183 | wiskott-Aldrich syndrome protein family member 2 isoform 1 [Homo sapiens] | 8.63 | 2 | 2 | 4 | 25 | 0.997 | 4 | 2.6 | 1.405 | 4 | 16.5 | 535.34 | 8.63 | 10 | 25 | 498 | 54.3 | 5.53 |
| 70906435 | fibrinogen beta chain isoform 1 preproprotein [Homo sapiens] | 79.02 | 2 | 40 | 40 | 3302 | 0.997 | 849 | 9.2 | 1.248 | 808 | 24.3 | 100405.67 | 79.02 | 119 | 3302 | 491 | 55.9 | 8.27 |
| 38708321 | DNA helicase INO80 [Homo sapiens] | 5.08 | 1 | 2 | 9 | 47 | 0.997 | 4 | 1.8 | **2.549** | 3 | 17.8 | 57.92 | 5.08 | 9 | 47 | 1556 | 176.6 | 9.50 |
| 16579888 | fructose-1,6-bisphosphatase 1 [Homo sapiens] | 18.34 | 3 | 4 | 4 | 15 | 0.997 | 6 | 6.0 | 1.236 | 6 | 10.1 | 695.91 | 18.34 | 11 | 15 | 338 | 36.8 | 6.99 |
| 4503571 | alpha-enolase isoform 1 [Homo sapiens] | 82.03 | 16 | 32 | 34 | 1656 | 0.997 | 450 | 7.9 | 1.216 | 439 | 19.8 | 64995.14 | 82.03 | 99 | 1656 | 434 | 47.1 | 7.39 |
| 530380520 | PREDICTED: annexin A6 isoform X2 [Homo sapiens] | 74.51 | 1 | 1 | 46 | 437 | 0.997 | 2 | 11.0 | 1.302 | 2 | 8.4 | 14470.00 | 74.51 | 133 | 437 | 667 | 75.2 | 5.67 |
| 578826266 | PREDICTED: serine/threonine-protein kinase Nek9 isoform X3 [Homo sapiens] | 3.40 | 4 | 1 | 4 | 7 | 0.997 | 1 |  | 1.135 | 1 |  | 85.54 | 3.40 | 6 | 7 | 971 | 106.3 | 5.73 |
| 21361657 | protein disulfide-isomerase A3 precursor [Homo sapiens] | 60.00 | 1 | 23 | 29 | 149 | 0.997 | 40 | 6.0 | 1.106 | 40 | 13.1 | 4985.78 | 60.00 | 79 | 149 | 505 | 56.7 | 6.35 |
| 4505469 | neurotrophin-3 isoform 2 preproprotein [Homo sapiens] | 20.23 | 2 | 1 | 6 | 43 | 0.997 | 1 |  | 1.235 | 1 |  | 121.86 | 20.23 | 11 | 43 | 257 | 29.3 | 9.39 |
| 530413446 | PREDICTED: THO complex subunit 4 isoform X1 [Homo sapiens] | 21.43 | 2 | 2 | 3 | 25 | 0.997 | 6 | 5.0 | 1.123 | 6 | 16.7 | 821.54 | 21.43 | 9 | 25 | 196 | 20.5 | 9.86 |
| 45243507 | eosinophil cationic protein precursor [Homo sapiens] | 41.88 | 1 | 6 | 7 | 146 | 0.997 | 32 | 6.3 | 1.191 | 32 | 20.5 | 3631.53 | 41.88 | 21 | 146 | 160 | 18.4 | 10.02 |
| 29788785 | tubulin beta chain isoform b [Homo sapiens] | 59.23 | 8 | 5 | 21 | 207 | 0.997 | 15 | 5.3 | 1.175 | 15 | 27.2 | 7334.84 | 59.23 | 58 | 207 | 444 | 49.6 | 4.89 |
| 4885371 | histone H1.0 [Homo sapiens] | 37.11 | 4 | 8 | 9 | 81 | 0.997 | 24 | 5.4 | 1.146 | 24 | 13.8 | 2192.74 | 37.11 | 25 | 81 | 194 | 20.9 | 10.84 |
| 223671861 | properdin precursor [Homo sapiens] | 17.91 | 1 | 6 | 6 | 26 | 0.997 | 8 | 6.1 | 1.154 | 8 | 12.9 | 972.06 | 17.91 | 18 | 26 | 469 | 51.2 | 7.90 |
| 4759000 | ras-related protein Rab-3D [Homo sapiens] | 23.74 | 22 | 1 | 5 | 18 | 0.997 | 1 |  | 1.023 | 1 |  | 444.44 | 23.74 | 15 | 18 | 219 | 24.3 | 4.93 |
| 50845386 | annexin A2 isoform 2 [Homo sapiens] | 72.27 | 2 | 25 | 27 | 149 | 0.997 | 47 | 6.1 | 1.086 | 47 | 9.9 | 4995.54 | 72.27 | 78 | 149 | 339 | 38.6 | 7.75 |
| 530385665 | PREDICTED: laminin subunit beta-4 isoform X1 [Homo sapiens] | 4.77 | 1 | 1 | 6 | 28 | 0.997 | 1 |  | **2.049** | 1 |  | 72.00 | 4.77 | 6 | 28 | 1761 | 193.4 | 6.35 |
| 578804832 | PREDICTED: titin isoform X5 [Homo sapiens] | 2.93 | 35 | 7 | 121 | 450 | 0.996 | 7 | 2.4 | 1.187 | 6 | 15.2 | 668.75 | 2.93 | 201 | 450 | 35484 | 3935.9 | 6.43 |
| 4502101 | annexin A1 [Homo sapiens] | 74.57 | 7 | 27 | 30 | 467 | 0.996 | 159 | 9.4 | 1.160 | 156 | 14.3 | 20132.96 | 74.57 | 87 | 467 | 346 | 38.7 | 7.02 |
| 23943880 | methylthioribose-1-phosphate isomerase isoform 2 [Homo sapiens] | 2.48 | 2 | 1 | 1 | 31 | 0.996 | 4 | 5.3 | 1.444 | 4 | 23.4 | 37.77 | 2.48 | 2 | 31 | 322 | 34.5 | 5.69 |
| 554790349 | coiled-coil domain-containing protein 90B, mitochondrial isoform e [Homo sapiens] | 16.55 | 6 | 1 | 3 | 25 | 0.996 | 2 | 10.0 | 1.258 | 2 | 16.1 | 35.79 | 16.55 | 3 | 25 | 139 | 16.2 | 6.58 |
| 4505591 | peroxiredoxin-1 [Homo sapiens] | 46.73 | 3 | 8 | 9 | 64 | 0.996 | 18 | 7.4 | 1.077 | 18 | 7.4 | 2034.97 | 46.73 | 25 | 64 | 199 | 22.1 | 8.13 |
| 262527235 | lysosomal protective protein isoform c precursor [Homo sapiens] | 17.26 | 3 | 4 | 7 | 18 | 0.996 | 5 | 10.7 | 1.110 | 5 | 40.3 | 558.52 | 17.26 | 15 | 18 | 481 | 54.2 | 6.98 |
| 4506663 | 60S ribosomal protein L8 [Homo sapiens] | 15.56 | 1 | 3 | 4 | 9 | 0.996 | 3 | 0.7 | 1.035 | 3 | 11.8 | 248.60 | 15.56 | 9 | 9 | 257 | 28.0 | 11.03 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19913428 | V-type proton ATPase subunit B, brain isoform [Homo sapiens] | 40.12 | 3 | 13 | 15 | 75 | 0.996 | 24 | 9.7 | 1.242 | 23 | 22.2 | 2785.10 | 40.12 | 41 | 75 | 511 | 56.5 | 5.81 |
| 16507237 | 78 kDa glucose-regulated protein precursor [Homo sapiens] | 48.32 | 1 | 23 | 29 | 257 | 0.996 | 48 | 7.3 | 1.159 | 47 | 11.3 | 7994.48 | 48.32 | 79 | 257 | 654 | 72.3 | 5.16 |
| 5174539 | malate dehydrogenase, cytoplasmic isoform 2 [Homo sapiens] | 40.42 | 3 | 11 | 12 | 57 | 0.996 | 19 | 8.7 | 1.124 | 19 | 13.6 | 2517.42 | 40.42 | 32 | 57 | 334 | 36.4 | 7.36 |
| 333470717 | basic leucine zipper and W2 domain-containing protein 1 isoform 1 [Homo sapiens] | 20.05 | 5 | 4 | 6 | 16 | 0.996 | 4 | 2.4 | 1.215 | 4 | 33.2 | 470.39 | 20.05 | 15 | 16 | 419 | 48.0 | 5.92 |
| 530393496 | PREDICTED: hexokinase-1 isoform X1 [Homo sapiens] | 7.92 | 6 | 4 | 9 | 28 | 0.996 | 4 | 3.0 | 1.224 | 4 | 34.1 | 556.40 | 7.92 | 22 | 28 | 960 | 106.9 | 6.98 |
| 5031749 | non-histone chromosomal protein HMG-17 [Homo sapiens] | 57.78 | 1 | 4 | 9 | 85 | 0.996 | 11 | 6.8 | 1.180 | 11 | 6.2 | 1412.96 | 57.78 | 22 | 85 | 90 | 9.4 | 9.99 |
| 586798161 | general vesicular transport factor p115 isoform 2 [Homo sapiens] | 9.15 | 42 | 2 | 8 | 18 | 0.996 | 2 | 6.8 | 1.056 | 2 | 3.0 | 306.18 | 9.15 | 17 | 18 | 962 | 107.8 | 4.91 |
| 13129110 | methylosome protein 50 [Homo sapiens] | 4.39 | 1 | 1 | 1 | 3 | 0.996 | 1 |  | 1.009 | 1 |  | 120.74 | 4.39 | 3 | 3 | 342 | 36.7 | 5.17 |
| 578813708 | PREDICTED: engulfment and cell motility protein 1 isoform X3 [Homo sapiens] | 6.46 | 33 | 2 | 5 | 16 | 0.996 | 3 | 24.2 | 1.159 | 3 | 4.3 | 340.31 | 6.46 | 10 | 16 | 727 | 83.8 | 6.28 |
| 375477430 | T-complex protein 1 subunit delta isoform b [Homo sapiens] | 29.27 | 2 | 10 | 10 | 40 | 0.995 | 12 | 4.8 | 1.157 | 12 | 33.9 | 1129.46 | 29.27 | 30 | 40 | 509 | 54.7 | 7.83 |
| 67514036 | SH3 domain-containing kinase-binding protein 1 isoform b [Homo sapiens] | 16.08 | 6 | 5 | 7 | 19 | 0.995 | 6 | 3.7 | 1.203 | 6 | 19.6 | 783.14 | 16.08 | 16 | 19 | 628 | 68.5 | 7.50 |
| 83700220 | geranylgeranyl pyrophosphate synthase [Homo sapiens] | 5.00 | 1 | 1 | 2 | 7 | 0.995 | 1 |  | 1.590 | 1 |  | 32.79 | 5.00 | 4 | 7 | 300 | 34.8 | 6.14 |
| 156523970 | alpha-2-HS-glycoprotein preproprotein [Homo sapiens] | 54.77 | 1 | 14 | 14 | 443 | 0.995 | 132 | 8.6 | 1.236 | 127 | 24.2 | 14123.93 | 54.77 | 42 | 443 | 367 | 39.3 | 5.72 |
| 4501987 | afamin precursor [Homo sapiens] | 54.92 | 2 | 22 | 26 | 219 | 0.995 | 68 | 5.9 | 1.225 | 66 | 24.2 | 7085.17 | 54.92 | 72 | 219 | 599 | 69.0 | 5.90 |
| 4557287 | angiotensinogen preproprotein [Homo sapiens] | 53.20 | 1 | 16 | 16 | 191 | 0.995 | 57 | 9.9 | 1.304 | 54 | 24.2 | 6268.17 | 53.20 | 48 | 191 | 485 | 53.1 | 6.32 |
| 228008398 | heterogeneous nuclear ribonucleoprotein Q isoform 3 [Homo sapiens] | 26.38 | 9 | 4 | 12 | 44 | 0.995 | 5 | 5.3 | 1.403 | 5 | 23.5 | 906.33 | 26.38 | 31 | 44 | 527 | 58.7 | 7.56 |
| 530360677 | PREDICTED: voltage-gated potassium channel subunit beta-2 isoform X4 [Homo sapiens] | 36.83 | 12 | 7 | 10 | 46 | 0.995 | 12 | 6.0 | 1.072 | 12 | 41.2 | 977.08 | 36.83 | 26 | 46 | 353 | 39.3 | 8.62 |
| 40316915 | aminopeptidase B [Homo sapiens] | 34.62 | 4 | 15 | 16 | 100 | 0.995 | 31 | 7.5 | 1.224 | 31 | 15.3 | 3764.13 | 34.62 | 46 | 100 | 650 | 72.5 | 5.74 |
| 578819756 | PREDICTED: xaa-Pro aminopeptidase 1 isoform X4 [Homo sapiens] | 7.07 | 6 | 3 | 4 | 9 | 0.995 | 3 | 4.2 | 1.152 | 3 | 12.8 | 232.26 | 7.07 | 9 | 9 | 552 | 62.1 | 5.73 |
| 4885379 | histone H1.4 [Homo sapiens] | 55.25 | 4 | 5 | 18 | 328 | 0.995 | 14 | 4.7 | 1.091 | 14 | 7.1 | 12667.80 | 55.25 | 51 | 328 | 219 | 21.9 | 11.03 |
| 56786155 | complement C1q subcomponent subunit C precursor [Homo sapiens] | 25.31 | 1 | 5 | 5 | 54 | 0.995 | 19 | 8.4 | 1.392 | 19 | 30.6 | 2054.30 | 25.31 | 15 | 54 | 245 | 25.8 | 8.41 |
| 48255891 | glucosidase 2 subunit beta isoform 2 precursor [Homo sapiens] | 20.95 | 6 | 8 | 8 | 34 | 0.995 | 12 | 4.0 | 1.137 | 11 | 12.2 | 1303.66 | 20.95 | 23 | 34 | 525 | 59.1 | 4.42 |
| 192447438 | vitamin K-dependent protein S preproprotein [Homo sapiens] | 41.57 | 2 | 17 | 24 | 142 | 0.995 | 36 | 8.8 | 1.209 | 35 | 13.7 | 4444.64 | 41.57 | 65 | 142 | 676 | 75.1 | 5.67 |
| 38455402 | neutrophil gelatinase-associated lipocalin precursor [Homo sapiens] | 69.70 | 1 | 16 | 16 | 577 | 0.995 | 156 | 8.7 | 1.249 | 151 | 19.7 | 15936.06 | 69.70 | 47 | 577 | 198 | 22.6 | 8.91 |
| 50301238 | glutathione reductase, mitochondrial isoform 1 precursor [Homo sapiens] | 48.66 | 4 | 14 | 15 | 84 | 0.995 | 26 | 12.1 | 1.161 | 24 | 21.7 | 3539.05 | 48.66 | 42 | 84 | 522 | 56.2 | 8.50 |
| 324021743 | vitamin D-binding protein isoform 1 precursor [Homo sapiens] | 83.12 | 12 | 35 | 42 | 764 | 0.995 | 245 | 7.5 | 1.211 | 239 | 22.4 | 27346.69 | 83.12 | 122 | 764 | 474 | 52.9 | 5.45 |
| 45580688 | complement component C7 precursor [Homo sapiens] | 42.82 | 1 | 22 | 24 | 158 | 0.995 | 51 | 7.5 | 1.168 | 51 | 24.2 | 6139.32 | 42.82 | 69 | 158 | 843 | 93.5 | 6.48 |
| 530376637 | PREDICTED: protein furry homolog-like isoform X9 [Homo sapiens] | 2.51 | 47 | 1 | 11 | 71 | 0.995 | 2 | 4.3 | 1.140 | 2 | 6.1 | 113.60 | 2.51 | 29 | 71 | 3028 | 341.1 | 5.59 |
| 73858570 | plasma protease C1 inhibitor precursor [Homo sapiens] | 42.60 | 6 | 21 | 23 | 340 | 0.995 | 106 | 7.8 | 1.219 | 103 | 15.6 | 10825.54 | 42.60 | 66 | 340 | 500 | 55.1 | 6.55 |
| 4507149 | superoxide dismutase [Cu-Zn] [Homo sapiens] | 83.77 | 1 | 9 | 10 | 52 | 0.995 | 18 | 8.2 | 1.024 | 17 | 17.1 | 1971.45 | 83.77 | 26 | 52 | 154 | 15.9 | 6.13 |
| 605051969 | protein FAM228B isoform b [Homo sapiens] | 6.42 | 2 | 1 | 3 | 16 | 0.994 | 1 |  | 1.039 | 1 |  | 83.23 | 6.42 | 6 | 16 | 187 | 21.9 | 8.37 |
| 4885287 | guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5 precursor [Homo sapiens] | 13.24 | 1 | 1 | 1 | 3 | 0.994 | 1 |  | 1.040 | 1 |  | 54.46 | 13.24 | 3 | 3 | 68 | 7.3 | 9.85 |
| 282847455 | glutamate-rich protein 5 isoform 1 [Homo sapiens] | 3.21 | 1 | 1 | 1 | 1 | 0.994 | 1 |  | 1.045 | 1 |  | 29.69 | 3.21 | 1 | 1 | 374 | 39.9 | 4.49 |
| 67189970 | neutrophil cytosol factor 2 isoform 1 [Homo sapiens] | 42.21 | 5 | 17 | 20 | 101 | 0.994 | 28 | 10.8 | 1.180 | 28 | 17.0 | 3038.48 | 42.21 | 56 | 101 | 526 | 59.7 | 6.16 |
| 54607120 | lactotransferrin isoform 1 precursor [Homo sapiens] | 88.17 | 21 | 63 | 68 | 3813 | 0.994 | 1128 | 8.8 | 1.175 | 1079 | 17.7 | 134945.92 | 88.17 | 199 | 3813 | 710 | 78.1 | 8.12 |
| 33356148 | formin-like protein 1 [Homo sapiens] | 10.45 | 10 | 3 | 10 | 29 | 0.994 | 3 | 1.7 | 1.131 | 3 | 14.8 | 293.56 | 10.45 | 20 | 29 | 1100 | 121.8 | 5.72 |
| 5174449 | histone H1x [Homo sapiens] | 50.70 | 1 | 8 | 12 | 61 | 0.994 | 14 | 7.7 | 1.206 | 14 | 14.0 | 1269.39 | 50.70 | 29 | 61 | 213 | 22.5 | 10.76 |
| 7706541 | regulator of telomere elongation helicase 1 isoform 1 [Homo sapiens] | 5.66 | 4 | 2 | 9 | 40 | 0.994 | 3 | 3.1 | 1.223 | 2 | 16.5 | 29.90 | 5.66 | 13 | 40 | 1219 | 133.6 | 8.29 |
| 4502067 | protein AMBP preproprotein [Homo sapiens] | 42.90 | 2 | 15 | 15 | 202 | 0.994 | 62 | 7.6 | 1.142 | 62 | 16.1 | 6363.57 | 42.90 | 44 | 202 | 352 | 39.0 | 6.25 |
| 4505701 | pyridoxal kinase [Homo sapiens] | 48.72 | 5 | 8 | 9 | 66 | 0.994 | 21 | 4.5 | 1.196 | 20 | 10.9 | 3171.46 | 48.72 | 26 | 66 | 312 | 35.1 | 6.13 |
| 21614544 | protein S100-A8 [Homo sapiens] | 100.00 | 5 | 27 | 28 | 4628 | 0.994 | 1456 | 8.7 | 1.222 | 1423 | 22.9 | 175718.01 | 100.00 | 83 | 4628 | 93 | 10.8 | 7.03 |
| 194097330 | hexokinase-3 [Homo sapiens] | 59.05 | 7 | 24 | 35 | 199 | 0.994 | 51 | 7.1 | 1.246 | 49 | 28.7 | 6924.50 | 59.05 | 97 | 199 | 923 | 99.0 | 5.40 |
| 116063573 | filamin-A isoform 1 [Homo sapiens] | 52.10 | 2 | 89 | 101 | 854 | 0.994 | 249 | 9.1 | 1.152 | 244 | 13.3 | 34211.11 | 52.10 | 296 | 854 | 2639 | 279.8 | 6.05 |
| 574287947 | sex hormone-binding globulin isoform 5 [Homo sapiens] | 8.14 | 5 | 1 | 2 | 5 | 0.994 | 1 |  | 1.708 | 1 |  | 288.06 | 8.14 | 5 | 5 | 344 | 37.5 | 6.23 |
| 27544941 | unconventional myosin-If [Homo sapiens] | 34.79 | 5 | 19 | 25 | 138 | 0.994 | 34 | 8.3 | 1.192 | 32 | 17.1 | 3847.61 | 34.79 | 67 | 138 | 1098 | 124.8 | 9.11 |
| 27436948 | lamin isoform A-delta10 [Homo sapiens] | 13.09 | 6 | 6 | 8 | 29 | 0.994 | 9 | 4.0 | 1.125 | 9 | 22.4 | 630.20 | 13.09 | 20 | 29 | 634 | 70.6 | 8.40 |
| 4507125 | small nuclear ribonucleoprotein-associated proteins B and B' isoform B [Homo sapiens] | 25.11 | 3 | 5 | 6 | 33 | 0.994 | 7 | 2.6 | 1.077 | 7 | 19.6 | 652.44 | 25.11 | 18 | 33 | 231 | 23.6 | 10.90 |
| 17865802 | vacuolar protein sorting-associated protein 4B [Homo sapiens] | 10.36 | 2 | 1 | 3 | 7 | 0.994 | 1 |  | 1.324 | 1 |  | 129.66 | 10.36 | 7 | 7 | 444 | 49.3 | 7.23 |
| 108773793 | glucose-6-phosphate 1-dehydrogenase isoform b [Homo sapiens] | 71.65 | 8 | 33 | 36 | 373 | 0.994 | 115 | 7.7 | 1.209 | 112 | 18.2 | 12464.56 | 71.65 | 104 | 373 | 515 | 59.2 | 6.84 |
| 4885393 | hemoglobin subunit epsilon [Homo sapiens] | 18.37 | 1 | 1 | 3 | 234 | 0.994 | 5 | 5.3 | 1.085 | 5 | 1.1 | 4358.15 | 18.37 | 9 | 234 | 147 | 16.2 | 8.63 |
| 578830426 | PREDICTED: collagen alpha-1(I) chain isoform X3 [Homo sapiens] | 12.94 | 6 | 8 | 9 | 85 | 0.994 | 26 | 6.9 | 1.157 | 26 | 12.6 | 2482.61 | 12.94 | 26 | 85 | 1020 | 99.7 | 5.50 |
| 612149808 | RNA-binding protein 20 [Homo sapiens] | 2.36 | 1 | 2 | 4 | 18 | 0.994 | 4 | 3.7 | 1.580 | 4 | 23.4 | 83.68 | 2.36 | 7 | 18 | 1227 | 134.2 | 5.69 |
| 4506195 | proteasome subunit beta type-2 isoform 1 [Homo sapiens] | 38.31 | 3 | 5 | 8 | 44 | 0.993 | 9 | 6.3 | 1.168 | 9 | 10.0 | 756.19 | 38.31 | 22 | 44 | 201 | 22.8 | 7.02 |
| 4506467 | radixin isoform 2 [Homo sapiens] | 32.59 | 7 | 4 | 26 | 317 | 0.993 | 6 | 5.9 | 1.100 | 6 | 6.7 | 6818.90 | 32.59 | 70 | 317 | 583 | 68.5 | 6.37 |
| 4557871 | serotransferrin precursor [Homo sapiens] | 82.38 | 54 | 69 | 72 | 4685 | 0.993 | 1372 | 9.3 | 1.300 | 1277 | 26.9 | 160152.09 | 82.38 | 214 | 4685 | 698 | 77.0 | 7.12 |
| 578839125 | PREDICTED: putative V-set and immunoglobulin domain-containing-like protein IGHV4OR15-8-I | 30.97 | 1 | 3 | 4 | 276 | 0.993 | 47 | 4.8 | 1.307 | 46 | 23.3 | 13985.21 | 30.97 | 12 | 276 | 155 | 17.4 | 9.11 |
| 31563514 | N-alpha-acetyltransferase 20 isoform c [Homo sapiens] | 6.31 | 3 | 1 | 1 | 16 | 0.993 | 5 | 3.8 | 1.302 | 5 | 4.0 | 129.74 | 6.31 | 2 | 16 | 111 | 12.7 | 4.67 |
| 55770842 | C-reactive protein precursor [Homo sapiens] | 34.82 | 1 | 9 | 9 | 109 | 0.993 | 35 | 7.9 | 1.267 | 34 | 26.5 | 2829.77 | 34.82 | 27 | 109 | 224 | 25.0 | 5.63 |
| 530400236 | PREDICTED: keratin, type II cuticular Hb6 isoform X1 [Homo sapiens] | 3.02 | 7 | 1 | 3 | 18 | 0.993 | 4 | 10.6 | 1.271 | 4 | 1.8 | 191.56 | 3.02 | 6 | 18 | 563 | 62.0 | 6.37 |
| 379317149 | sorcin isoform D [Homo sapiens] | 10.00 | 5 | 2 | 2 | 4 | 0.993 | 2 | 6.6 | 1.133 | 2 | 7.6 | 71.79 | 10.00 | 4 | 4 | 180 | 20.0 | 5.63 |
| 530412767 | PREDICTED: signal transducer and activator of transcription 5B isoform X2 [Homo sapiens] | 8.45 | 7 | 3 | 4 | 10 | 0.993 | 3 | 4.5 | 1.830 | 3 | 31.4 | 203.55 | 8.45 | 10 | 10 | 497 | 56.8 | 6.37 |
| 58219054 | bcl-2-like protein 15 [Homo sapiens] | 13.50 | 1 | 1 | 2 | 12 | 0.993 | 3 | 5.3 | 1.161 | 3 | 36.2 | 211.13 | 13.50 | 6 | 12 | 163 | 17.7 | 4.41 |
| 66392203 | NME1-NME2 protein [Homo sapiens] | 73.41 | 3 | 7 | 15 | 154 | 0.993 | 19 | 5.2 | 1.179 | 19 | 8.1 | 4240.51 | 73.41 | 44 | 154 | 267 | 30.1 | 8.92 |
| 530407092 | PREDICTED: aminopeptidase N isoform X1 [Homo sapiens] | 3.62 | 1 | 4 | 4 | 12 | 0.993 | 4 | 5.5 | 1.060 | 4 | 14.9 | 583.00 | 3.62 | 12 | 12 | 967 | 109.5 | 5.48 |
| 578804605 | PREDICTED: UDP-glucose:glycoprotein glucosyltransferase 1 isoform X3 [Homo sapiens] | 4.47 | 4 | 1 | 5 | 24 | 0.993 | 1 |  | 1.913 | 1 |  | 47.82 | 4.47 | 7 | 24 | 1544 | 176.2 | 5.63 |
| 4506929 | endophilin-A2 isoform 1 [Homo sapiens] | 7.88 | 4 | 1 | 4 | 29 | 0.993 | 1 |  | 1.224 | 1 |  | 90.87 | 7.88 | 10 | 29 | 368 | 41.5 | 5.43 |
| 13325075 | sulfhydryl oxidase 1 isoform a precursor [Homo sapiens] | 14.19 | 2 | 7 | 8 | 37 | 0.993 | 12 | 6.6 | 1.309 | 12 | 17.5 | 1540.90 | 14.19 | 22 | 37 | 747 | 82.5 | 8.92 |
| 219803946 | partner of Y14 and mago isoform 2 [Homo sapiens] | 15.27 | 2 | 2 | 2 | 5 | 0.993 | 2 | 4.5 | 1.205 | 2 | 33.7 | 174.49 | 15.27 | 5 | 5 | 203 | 22.7 | 9.44 |
| 530405429 | PREDICTED: pro-cathepsin H isoform X2 [Homo sapiens] | 10.77 | 2 | 2 | 3 | 10 | 0.993 | 2 | 6.1 | 1.193 | 2 | 16.4 | 140.81 | 10.77 | 8 | 10 | 297 | 33.2 | 8.19 |
| 88853069 | vitronectin precursor [Homo sapiens] | 47.91 | 1 | 13 | 15 | 181 | 0.993 | 53 | 8.7 | 1.163 | 53 | 16.3 | 6000.30 | 47.91 | 42 | 181 | 478 | 54.3 | 5.80 |
| 21614499 | ezrin [Homo sapiens] | 57.68 | 64 | 17 | 41 | 379 | 0.992 | 33 | 5.4 | 1.155 | 33 | 15.7 | 8558.79 | 57.68 | 110 | 379 | 586 | 69.4 | 6.27 |
| 530421239 | PREDICTED: spermine synthase isoform X2 [Homo sapiens] | 13.82 | 4 | 2 | 4 | 13 | 0.992 | 3 | 14.8 | 1.311 | 3 | 55.1 | 135.82 | 13.82 | 8 | 13 | 275 | 31.1 | 4.93 |
| 6996021 | cytochrome b-245 heavy chain [Homo sapiens] | 6.49 | 1 | 1 | 3 | 6 | 0.992 | 1 |  | 1.126 | 1 |  | 230.55 | 6.49 | 6 | 6 | 570 | 65.3 | 8.63 |
| 34577112 | fructose-bisphosphate aldolase A isoform 1 [Homo sapiens] | 92.58 | 2 | 23 | 32 | 743 | 0.992 | 188 | 9.0 | 1.186 | 179 | 20.1 | 25157.49 | 92.58 | 94 | 743 | 364 | 39.4 | 8.09 |
| 19913424 | V-type proton ATPase catalytic subunit A [Homo sapiens] | 35.82 | 1 | 16 | 19 | 115 | 0.992 | 30 | 7.6 | 1.185 | 30 | 16.7 | 3578.16 | 35.82 | 52 | 115 | 617 | 68.3 | 5.52 |
| 31542306 | charged multivesicular body protein 1b [Homo sapiens] | 14.07 | 1 | 1 | 4 | 17 | 0.992 | 1 |  | 1.157 | 1 |  | 145.73 | 14.07 | 7 | 17 | 199 | 22.1 | 8.10 |
| 5174663 | protein S100-P [Homo sapiens] | 83.16 | 1 | 7 | 7 | 190 | 0.992 | 52 | 7.2 | 1.207 | 51 | 16.8 | 8748.41 | 83.16 | 21 | 190 | 95 | 10.4 | 4.88 |
| 5231228 | ribonuclease T2 precursor [Homo sapiens] | 43.75 | 3 | 6 | 7 | 27 | 0.992 | 9 | 11.1 | 1.035 | 9 | 34.9 | 644.08 | 43.75 | 18 | 27 | 256 | 29.5 | 7.08 |
| 4506765 | protein S100-A4 [Homo sapiens] | 41.58 | 1 | 5 | 6 | 72 | 0.992 | 24 | 6.2 | 1.153 | 24 | 15.5 | 2899.59 | 41.58 | 17 | 72 | 101 | 11.7 | 6.11 |
| 578828307 | PREDICTED: putative oxidoreductase GLYR1 isoform X1 [Homo sapiens] | 11.42 | 5 | 3 | 6 | 13 | 0.992 | 3 | 1.3 | 1.062 | 3 | 34.4 | 253.11 | 11.42 | 13 | 13 | 569 | 62.1 | 9.42 |
| 311078508 | histone-binding protein RBBP7 isoform 1 [Homo sapiens] | 15.35 | 2 | 1 | 6 | 15 | 0.992 | 1 |  | 1.054 | 1 |  | 244.92 | 15.35 | 15 | 15 | 469 | 52.3 | 5.27 |
| 8922665 | pantothenate kinase 4 [Homo sapiens] | 3.10 | 1 | 1 | 3 | 5 | 0.992 | 1 |  | 1.159 | 1 |  | 58.31 | 3.10 | 5 | 5 | 773 | 85.9 | 6.28 |
| 4505881 | plasminogen isoform 1 precursor [Homo sapiens] | 70.49 | 6 | 47 | 51 | 555 | 0.992 | 171 | 8.1 | 1.186 | 170 | 18.6 | 19187.14 | 70.49 | 146 | 555 | 810 | 90.5 | 7.24 |
| 4557741 | platelet-activating factor acetylhydrolase IB subunit alpha [Homo sapiens] | 15.85 | 1 | 6 | 7 | 26 | 0.992 | 7 | 1.3 | 1.098 | 7 | 15.2 | 638.75 | 15.85 | 20 | 26 | 410 | 46.6 | 7.37 |
| 38016947 | complement C5 preproprotein [Homo sapiens] | 46.36 | 1 | 56 | 61 | 366 | 0.991 | 112 | 9.4 | 1.256 | 102 | 20.4 | 11590.71 | 46.36 | 174 | 366 | 1676 | 188.2 | 6.52 |
| 226246554 | coiled-coil domain-containing protein 168 [Homo sapiens] | 3.90 | 4 | 2 | 38 | 73 | 0.991 | 2 | 6.4 | 1.658 | 2 | 28.7 | 86.45 | 3.90 | 50 | 73 | 7081 | 801.4 | 8.79 |
| 530416229 | PREDICTED: glucose-6-phosphate isomerase isoform X2 [Homo sapiens] | 85.48 | 7 | 36 | 40 | 873 | 0.991 | 213 | 7.7 | 1.208 | 207 | 20.1 | 25650.66 | 85.48 | 116 | 873 | 558 | 63.1 | 8.32 |
| 88501734 | integrin alpha-M isoform 2 precursor [Homo sapiens] | 28.56 | 3 | 19 | 28 | 82 | 0.991 | 23 | 8.1 | 1.099 | 23 | 15.6 | 2501.37 | 28.56 | 67 | 82 | 1152 | 127.1 | 7.23 |
| 11761624 | suppressor of tumorigenicity 7 protein isoform a [Homo sapiens] | 3.79 | 2 | 1 | 2 | 4 | 0.991 | 1 |  | 1.317 | 1 |  | 32.38 | 3.79 | 2 | 4 | 554 | 63.4 | 7.56 |
| 38201714 | ELAV-like protein 1 [Homo sapiens] | 6.75 | 1 | 2 | 2 | 9 | 0.991 | 3 | 1.9 | 1.172 | 3 | 4.3 | 242.39 | 6.75 | 6 | 9 | 326 | 36.1 | 9.17 |
| 23110944 | proteasome subunit alpha type-6 isoform a [Homo sapiens] | 43.90 | 3 | 8 | 10 | 50 | 0.991 | 16 | 7.8 | 1.071 | 16 | 21.2 | 1835.48 | 43.90 | 25 | 50 | 246 | 27.4 | 6.76 |
| 530420102 | PREDICTED: 3-mercaptopyruvate sulfurtransferase isoform X1 [Homo sapiens] | 6.73 | 3 | 2 | 2 | 6 | 0.991 | 2 | 8.3 | 1.234 | 2 | 18.1 | 179.07 | 6.73 | 6 | 6 | 297 | 33.2 | 6.60 |
| 530383107 | PREDICTED: PHD finger protein 3 isoform X2 [Homo sapiens] | 3.18 | 4 | 1 | 9 | 31 | 0.991 | 2 | 0.6 | 1.355 | 2 | 17.6 | 74.33 | 3.18 | 21 | 31 | 1951 | 219.7 | 7.53 |
| 254692833 | NHS-like protein 2 [Homo sapiens] | 6.45 | 2 | 1 | 5 | 12 | 0.991 | 1 |  | 1.075 | 1 |  | 143.03 | 6.45 | 7 | 12 | 1225 | 133.2 | 7.77 |
| 530360665 | PREDICTED: protein LZIC isoform X5 [Homo sapiens] | 15.79 | 2 | 2 | 2 | 6 | 0.991 | 2 | 0.2 | 1.039 | 2 | 30.9 | 327.66 | 15.79 | 6 | 6 | 190 | 21.5 | 4.94 |
| 20149498 | ferritin light chain [Homo sapiens] | 43.43 | 1 | 5 | 6 | 45 | 0.991 | 14 | 9.1 | 1.104 | 14 | 5.1 | 2081.85 | 43.43 | 18 | 45 | 175 | 20.0 | 5.78 |
| 32189392 | peroxiredoxin-2 [Homo sapiens] | 87.88 | 1 | 14 | 15 | 183 | 0.991 | 54 | 6.6 | 1.062 | 54 | 8.5 | 6453.90 | 87.88 | 45 | 183 | 198 | 21.9 | 5.97 |
| 4502027 | serum albumin preproprotein [Homo sapiens] | 92.78 | 30 | 99 | 107 | 29094 | 0.991 | 9255 | 8.4 | 1.261 | 8879 | 22.9 | 1042752.27 | 92.78 | 317 | 29094 | 609 | 69.3 | 6.28 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 557878742 | long-chain-fatty-acid--CoA ligase 1 isoform d [Homo sapiens] | 7.40 | 14 | 2 | 5 | 10 | 0.991 | 2 | 0.9 | 1.615 | 2 | 14.3 | 221.26 | 7.40 | 9 | 10 | 527 | 58.5 | 7.53 |
| 5453880 | acidic leucine-rich nuclear phosphoprotein 32 family member A [Homo sapiens] | 37.35 | 4 | 4 | 10 | 86 | 0.991 | 17 | 11.7 | 1.268 | 14 | 11.0 | 3112.76 | 37.35 | 30 | 86 | 249 | 28.6 | 4.09 |
| 16933542 | fibronectin isoform 3 preproprotein [Homo sapiens] | 49.34 | 27 | 80 | 80 | 1001 | 0.991 | 280 | 8.0 | 1.184 | 274 | 15.1 | 33251.20 | 49.34 | 240 | 1001 | 2355 | 259.1 | 5.73 |
| 4885381 | histone H1.5 [Homo sapiens] | 50.88 | 2 | 15 | 20 | 324 | 0.991 | 89 | 7.1 | 1.204 | 89 | 17.5 | 11547.02 | 50.88 | 59 | 324 | 226 | 22.6 | 10.92 |
| 578808622 | PREDICTED: multifunctional protein ADE2 isoform X1 [Homo sapiens] | 13.40 | 3 | 6 | 12 | 30 | 0.991 | 8 | 6.5 | 1.290 | 8 | 30.6 | 968.31 | 13.40 | 24 | 30 | 836 | 93.9 | 8.06 |
| 7662502 | malignant T-cell-amplified sequence 1 isoform 1 [Homo sapiens] | 30.94 | 2 | 4 | 4 | 14 | 0.990 | 5 | 1.5 | 1.259 | 5 | 7.0 | 522.26 | 30.94 | 11 | 14 | 181 | 20.5 | 8.82 |
| 578814728 | PREDICTED: uncharacterized aarF domain-containing protein kinase 2 isoform X1 [Homo sapier | 6.83 | 2 | 1 | 4 | 4 | 0.990 | 1 |  | **2.246** | 1 |  | 23.47 | 6.83 | 4 | 4 | 542 | 60.0 | 9.31 |
| 149999611 | signal recognition particle 14 kDa protein [Homo sapiens] | 27.21 | 1 | 3 | 3 | 22 | 0.990 | 7 | 5.7 | 1.188 | 7 | 14.9 | 1070.62 | 27.21 | 9 | 22 | 136 | 14.6 | 10.04 |
| 4504489 | histidine-rich glycoprotein precursor [Homo sapiens] | 43.24 | 2 | 17 | 18 | 228 | 0.990 | 70 | 7.3 | 1.166 | 68 | 21.6 | 6954.80 | 43.24 | 54 | 228 | 525 | 59.5 | 7.50 |
| 392307009 | receptor-type tyrosine-protein phosphatase C isoform 2 precursor [Homo sapiens] | 23.41 | 6 | 15 | 21 | 61 | 0.990 | 18 | 5.6 | 1.166 | 18 | 20.3 | 1795.75 | 23.41 | 52 | 61 | 1145 | 131.0 | 6.33 |
| 578808863 | PREDICTED: eukaryotic translation initiation factor 4E isoform X1 [Homo sapiens] | 24.49 | 6 | 4 | 6 | 16 | 0.990 | 4 | 2.1 | 1.011 | 4 | 12.4 | 484.81 | 24.49 | 16 | 16 | 245 | 28.5 | 8.12 |
| 10716563 | calnexin precursor [Homo sapiens] | 23.65 | 1 | 11 | 12 | 62 | 0.990 | 18 | 7.3 | 1.118 | 18 | 12.6 | 2135.56 | 23.65 | 33 | 62 | 592 | 67.5 | 4.60 |
| 295844834 | N-acetyl-D-glucosamine kinase [Homo sapiens] | 40.51 | 3 | 12 | 13 | 59 | 0.990 | 17 | 5.9 | 1.307 | 17 | 23.1 | 1818.47 | 40.51 | 37 | 59 | 390 | 42.0 | 6.68 |
| 530364307 | PREDICTED: farnesyl pyrophosphate synthase isoform X2 [Homo sapiens] | 18.13 | 3 | 4 | 5 | 21 | 0.990 | 5 | 1.5 | 1.429 | 5 | 20.5 | 577.76 | 18.13 | 15 | 21 | 353 | 40.5 | 5.17 |
| 209969703 | protein RCC2 [Homo sapiens] | 13.60 | 1 | 3 | 7 | 27 | 0.990 | 3 | 14.2 | 1.231 | 3 | 28.5 | 186.88 | 13.60 | 13 | 27 | 522 | 56.0 | 8.78 |
| 4506201 | proteasome subunit beta type-5 isoform 1 [Homo sapiens] | 8.37 | 4 | 2 | 2 | 6 | 0.990 | 2 | 2.8 | 1.095 | 2 | 6.6 | 269.28 | 8.37 | 6 | 6 | 263 | 28.5 | 6.92 |
| 7662314 | zinc finger protein 432 [Homo sapiens] | 3.68 | 4 | 1 | 3 | 14 | 0.990 | 2 | 2.7 | 1.142 | 2 | 19.4 | 58.80 | 3.68 | 3 | 14 | 652 | 74.8 | 8.75 |
| 578827386 | PREDICTED: endonuclease 8-like 1 isoform X6 [Homo sapiens] | 3.46 | 5 | 1 | 2 | 6 | 0.989 | 1 |  | 1.058 | 1 |  | 20.74 | 3.46 | 2 | 6 | 433 | 48.8 | 10.11 |
| 40806221 | thymocyte nuclear protein 1 isoform 1 [Homo sapiens] | 21.78 | 4 | 3 | 5 | 16 | 0.989 | 3 | 11.1 | 0.991 | 3 | 8.9 | 330.83 | 21.78 | 13 | 16 | 225 | 25.7 | 9.25 |
| 530395269 | PREDICTED: hemopexin isoform X1 [Homo sapiens] | 78.14 | 4 | 33 | 33 | 1862 | 0.989 | 556 | 7.4 | 1.293 | 534 | 26.0 | 53094.00 | 78.14 | 97 | 1862 | 462 | 51.6 | 7.02 |
| 38201710 | probable ATP-dependent RNA helicase DDX17 isoform 1 [Homo sapiens] | 14.13 | 5 | 3 | 13 | 32 | 0.989 | 3 | 4.0 | 0.939 | 3 | 3.4 | 720.24 | 14.13 | 32 | 32 | 729 | 80.2 | 8.27 |
| 45580723 | haptoglobin-related protein precursor [Homo sapiens] | 62.64 | 7 | 6 | 27 | 2216 | 0.989 | 17 | 4.9 | 1.105 | 17 | 17.6 | 66447.15 | 62.64 | 78 | 2216 | 348 | 39.0 | 7.09 |
| 9845511 | ras-related C3 botulinum toxin substrate 1 isoform Rac1 [Homo sapiens] | 42.19 | 8 | 3 | 8 | 59 | 0.989 | 5 | 8.3 | 1.035 | 3 | 4.0 | 1879.26 | 42.19 | 24 | 59 | 192 | 21.4 | 8.50 |
| 5901926 | cleavage and polyadenylation specificity factor subunit 5 [Homo sapiens] | 7.49 | 1 | 2 | 2 | 6 | 0.989 | 2 | 2.5 | 1.218 | 2 | 2.8 | 120.20 | 7.49 | 6 | 6 | 227 | 26.2 | 8.82 |
| 4557759 | myeloperoxidase precursor [Homo sapiens] | 61.48 | 3 | 44 | 50 | 939 | 0.989 | 279 | 7.2 | 1.156 | 277 | 14.0 | 31187.87 | 61.48 | 142 | 939 | 745 | 83.8 | 8.97 |
| 526479824 | dynactin subunit 3 isoform 4 [Homo sapiens] | 16.88 | 5 | 1 | 3 | 12 | 0.989 | 1 |  | 0.995 | 1 |  | 108.33 | 16.88 | 8 | 12 | 154 | 17.2 | 8.68 |
| 122939159 | protein-arginine deiminase type-2 [Homo sapiens] | 21.50 | 1 | 11 | 14 | 66 | 0.989 | 15 | 4.8 | 1.347 | 15 | 21.2 | 2226.00 | 21.50 | 39 | 66 | 665 | 75.5 | 5.59 |
| 209529703 | signal-regulatory protein beta-1 isoform 3 precursor [Homo sapiens] | 12.06 | 13 | 3 | 4 | 27 | 0.989 | 3 | 3.5 | 1.122 | 3 | 3.1 | 420.86 | 12.06 | 12 | 27 | 398 | 43.3 | 7.83 |
| 17402893 | phosphoserine aminotransferase isoform 1 [Homo sapiens] | 10.27 | 2 | 3 | 5 | 13 | 0.989 | 3 | 1.2 | 1.117 | 3 | 9.1 | 190.62 | 10.27 | 13 | 13 | 370 | 40.4 | 7.66 |
| 530371139 | PREDICTED: N-myc-interactor isoform X1 [Homo sapiens] | 24.10 | 1 | 6 | 6 | 29 | 0.989 | 8 | 4.3 | 1.155 | 8 | 17.5 | 785.08 | 24.10 | 17 | 29 | 307 | 35.0 | 5.34 |
| 4885377 | histone H1.3 [Homo sapiens] | 35.29 | 4 | 3 | 13 | 250 | 0.989 | 3 | 4.6 | 1.156 | 3 | 5.0 | 11027.36 | 35.29 | 38 | 250 | 221 | 22.3 | 11.02 |
| 578838605 | PREDICTED: cohesin subunit SA-2 isoform X7 [Homo sapiens] | 2.42 | 3 | 1 | 2 | 4 | 0.989 | 1 |  | 1.664 | 1 |  | 61.12 | 2.42 | 3 | 4 | 1199 | 138.4 | 5.41 |
| 5803181 | stress-induced-phosphoprotein 1 isoform b [Homo sapiens] | 40.52 | 3 | 15 | 19 | 79 | 0.989 | 20 | 3.4 | 1.114 | 20 | 6.8 | 1674.56 | 40.52 | 49 | 79 | 543 | 62.6 | 6.80 |
| 4505529 | alpha-1-acid glycoprotein 2 precursor [Homo sapiens] | 51.24 | 1 | 7 | 14 | 645 | 0.989 | 109 | 9.5 | 1.240 | 108 | 27.0 | 18887.96 | 51.24 | 42 | 645 | 201 | 23.6 | 5.11 |
| 262206315 | L-selectin precursor [Homo sapiens] | 14.55 | 1 | 2 | 6 | 27 | 0.989 | 2 | 2.9 | 1.179 | 2 | 13.6 | 152.08 | 14.55 | 10 | 27 | 385 | 43.6 | 7.15 |
| 7706425 | LSM8 homolog, U6 small nuclear RNA associated [Homo sapiens] | 23.96 | 1 | 2 | 2 | 6 | 0.989 | 2 | 1.5 | 1.151 | 2 | 25.1 | 267.01 | 23.96 | 6 | 6 | 96 | 10.4 | 4.48 |
| 578828789 | PREDICTED: cholesteryl ester transfer protein isoform X1 [Homo sapiens] | 6.77 | 3 | 1 | 2 | 10 | 0.989 | 3 | 0.6 | 1.545 | 3 | 34.3 | 53.09 | 6.77 | 2 | 10 | 266 | 29.1 | 6.52 |
| 4503011 | carboxypeptidase N catalytic chain precursor [Homo sapiens] | 20.96 | 1 | 6 | 7 | 38 | 0.989 | 11 | 6.2 | 1.243 | 11 | 11.4 | 1572.63 | 20.96 | 21 | 38 | 458 | 52.3 | 7.34 |
| 32189394 | ATP synthase subunit beta, mitochondrial precursor [Homo sapiens] | 14.74 | 1 | 4 | 5 | 18 | 0.989 | 5 | 5.0 | 1.236 | 5 | 17.9 | 939.90 | 14.74 | 15 | 18 | 529 | 56.5 | 5.40 |
| 8051595 | GA-binding protein subunit beta-1 isoform beta 2 [Homo sapiens] | 9.14 | 8 | 1 | 4 | 5 | 0.988 | 1 |  | 1.228 | 1 |  | 38.89 | 9.14 | 5 | 5 | 383 | 41.3 | 4.84 |
| 530420952 | PREDICTED: male-specific lethal 3 homolog isoform X2 [Homo sapiens] | 1.69 | 5 | 1 | 1 | 2 | 0.988 | 1 |  | 1.990 | 1 |  | 38.90 | 1.69 | 2 | 2 | 355 | 40.6 | 8.85 |
| 530395059 | PREDICTED: glycosyltransferase-like protein LARGE2 isoform X3 [Homo sapiens] | 4.03 | 3 | 1 | 3 | 6 | 0.988 | 1 |  | 1.485 | 1 |  | 0.00 | 4.03 | 3 | 6 | 496 | 56.9 | 8.13 |
| 5031855 | lymphocyte cytosolic protein 2 [Homo sapiens] | 10.51 | 1 | 4 | 5 | 19 | 0.988 | 5 | 4.5 | 1.270 | 5 | 13.1 | 603.28 | 10.51 | 15 | 19 | 533 | 60.2 | 6.27 |
| 530378251 | PREDICTED: rho GTPase-activating protein 24 isoform X1 [Homo sapiens] | 5.21 | 16 | 2 | 6 | 22 | 0.988 | 5 | 2.8 | 1.073 | 5 | 4.2 | 67.49 | 5.21 | 6 | 22 | 748 | 84.2 | 6.67 |
| 19923483 | ras-related protein Rab-14 [Homo sapiens] | 36.28 | 16 | 4 | 5 | 19 | 0.988 | 4 | 4.1 | 1.178 | 4 | 17.5 | 811.86 | 36.28 | 15 | 19 | 215 | 23.9 | 6.21 |
| 74272287 | matrix metalloproteinase-9 preproprotein [Homo sapiens] | 65.91 | 1 | 41 | 41 | 591 | 0.988 | 199 | 6.5 | 1.210 | 194 | 22.7 | 21992.85 | 65.91 | 121 | 591 | 707 | 78.4 | 6.06 |
| 578826102 | PREDICTED: tryptophan--tRNA ligase, cytoplasmic isoform X4 [Homo sapiens] | 44.37 | 2 | 15 | 19 | 67 | 0.988 | 20 | 3.6 | 1.195 | 20 | 11.8 | 2765.58 | 44.37 | 50 | 67 | 471 | 53.1 | 6.23 |
| 226498192 | protein atonal homolog 8 [Homo sapiens] | 10.59 | 5 | 1 | 4 | 4 | 0.988 | 1 |  |  |  |  | 28.87 | 10.59 | 4 | 4 | 321 | 34.6 | 10.21 |
| 189083849 | delta-aminolevulinic acid dehydratase [Homo sapiens] | 25.15 | 2 | 6 | 6 | 28 | 0.988 | 10 | 11.1 | 1.005 | 10 | 10.4 | 1147.04 | 25.15 | 18 | 28 | 330 | 36.3 | 6.79 |
| 28416940 | ribosome maturation protein SBDS [Homo sapiens] | 12.40 | 10 | 1 | 5 | 28 | 0.988 | 1 |  | 1.183 | 1 |  | 263.51 | 12.40 | 11 | 28 | 250 | 28.7 | 8.75 |
| 15011972 | rho guanine nucleotide exchange factor 1 isoform 2 [Homo sapiens] | 21.93 | 9 | 14 | 17 | 66 | 0.988 | 20 | 8.2 | 1.156 | 20 | 25.3 | 1930.62 | 21.93 | 44 | 66 | 912 | 102.4 | 5.66 |
| 4557389 | complement component C8 alpha chain precursor [Homo sapiens] | 38.70 | 1 | 16 | 18 | 88 | 0.988 | 25 | 8.6 | 1.204 | 24 | 16.7 | 3243.49 | 38.70 | 49 | 88 | 584 | 65.1 | 6.47 |
| 568815719 | clathrin heavy chain 1 isoform 2 [Homo sapiens] | 22.75 | 3 | 22 | 31 | 160 | 0.988 | 30 | 8.5 | 1.157 | 28 | 21.3 | 3593.77 | 22.75 | 82 | 160 | 1679 | 191.9 | 5.69 |
| 19923327 | neuroepithelial cell-transforming gene 1 protein isoform 2 [Homo sapiens] | 2.40 | 7 | 1 | 2 | 2 | 0.988 | 1 |  | 1.222 | 1 |  | 32.67 | 2.40 | 2 | 2 | 542 | 61.8 | 8.88 |
| 22208975 | high mobility group protein HMG-I/HMG-Y isoform b [Homo sapiens] | 37.50 | 1 | 1 | 3 | 16 | 0.988 | 5 | 8.6 | 1.149 | 5 | 13.0 | 256.67 | 37.50 | 6 | 16 | 96 | 10.7 | 10.32 |
| 5902134 | coronin-1A [Homo sapiens] | 63.12 | 13 | 28 | 31 | 491 | 0.987 | 151 | 9.3 | 1.215 | 140 | 18.2 | 14866.54 | 63.12 | 93 | 491 | 461 | 51.0 | 6.68 |
| 23238188 | testin isoform 2 [Homo sapiens] | 6.80 | 3 | 1 | 2 | 4 | 0.987 | 1 |  | 1.037 | 1 |  | 191.47 | 6.80 | 4 | 4 | 412 | 46.9 | 7.59 |
| 530426780 | PREDICTED: TNF receptor-associated factor 2 isoform X2 [Homo sapiens] | 1.88 | 1 | 1 | 1 | 5 | 0.987 | 1 |  | 1.179 | 1 |  | 72.39 | 1.88 | 3 | 5 | 533 | 59.1 | 7.52 |
| 530436491 | PREDICTED: uncharacterized protein LOC101930119 [Homo sapiens] | 4.09 | 2 | 1 | 1 | 4 | 0.987 | 1 |  | 1.230 | 1 |  | 32.33 | 4.09 | 1 | 4 | 220 | 24.5 | 9.17 |
| 547234776 | RRP12-like protein isoform 3 [Homo sapiens] | 3.01 | 3 | 1 | 4 | 315 | 0.987 | 80 | 6.3 | 1.514 | 75 | 37.5 | 1744.06 | 3.01 | 6 | 315 | 1197 | 132.6 | 8.68 |
| 315221152 | 60S ribosomal protein L11 isoform 2 [Homo sapiens] | 26.55 | 2 | 1 | 7 | 46 | 0.987 | 1 |  | 1.309 | 1 |  | 219.28 | 26.55 | 16 | 46 | 177 | 20.1 | 9.60 |
| 4504349 | hemoglobin subunit beta [Homo sapiens] | 95.24 | 1 | 12 | 19 | 5142 | 0.987 | 1026 | 11.0 | 1.074 | 1026 | 10.1 | 230073.47 | 95.24 | 57 | 5142 | 147 | 16.0 | 7.28 |
| 530397196 | PREDICTED: syntaxin-3 isoform X5 [Homo sapiens] | 16.23 | 6 | 2 | 5 | 78 | 0.987 | 2 | 5.2 | 1.103 | 2 | 16.4 | 162.72 | 16.23 | 11 | 78 | 265 | 30.6 | 5.36 |
| 578803212 | PREDICTED: protein dpy-30 homolog isoform X3 [Homo sapiens] | 32.50 | 2 | 1 | 3 | 9 | 0.987 | 2 | 19.1 | 1.120 | 2 | 21.1 | 315.97 | 32.50 | 5 | 9 | 120 | 13.9 | 7.50 |
| 156071465 | rho GTPase-activating protein 4 isoform 2 [Homo sapiens] | 18.50 | 2 | 7 | 13 | 45 | 0.987 | 9 | 8.7 | 1.106 | 8 | 7.6 | 1133.31 | 18.50 | 30 | 45 | 946 | 105.0 | 6.34 |
| 578829954 | PREDICTED: phosphoribosylformylglycinamidine synthase isoform X1 [Homo sapiens] | 5.49 | 2 | 3 | 4 | 13 | 0.987 | 3 | 10.7 | 1.023 | 3 | 11.6 | 322.13 | 5.49 | 10 | 13 | 947 | 102.1 | 5.91 |
| 21618349 | dual specificity mitogen-activated protein kinase kinase 3 isoform B [Homo sapiens] | 21.04 | 4 | 2 | 6 | 15 | 0.987 | 3 | 0.7 | 1.181 | 3 | 11.5 | 454.80 | 21.04 | 10 | 15 | 347 | 39.3 | 7.43 |
| 578825543 | PREDICTED: centrosomal protein of 128 kDa isoform X2 [Homo sapiens] | 6.92 | 2 | 1 | 9 | 38 | 0.986 | 3 | 2.6 | 1.045 | 3 | 2.6 | 66.73 | 6.92 | 13 | 38 | 1055 | 123.1 | 6.60 |
| 25777615 | 26S proteasome non-ATPase regulatory subunit 7 [Homo sapiens] | 14.81 | 5 | 1 | 4 | 14 | 0.986 | 2 | 18.2 | 1.758 | 2 | 2.6 | 530.03 | 14.81 | 8 | 14 | 324 | 37.0 | 6.77 |
| 578809447 | PREDICTED: tetratricopeptide repeat protein 29 isoform X4 [Homo sapiens] | 4.48 | 7 | 1 | 3 | 14 | 0.986 | 1 |  |  |  |  | 38.07 | 4.48 | 8 | 14 | 491 | 56.9 | 5.78 |
| 67782358 | complement factor B preproprotein [Homo sapiens] | 61.65 | 1 | 43 | 45 | 642 | 0.986 | 166 | 10.1 | 1.244 | 157 | 18.7 | 17960.45 | 61.65 | 133 | 642 | 764 | 85.5 | 7.06 |
| 295986608 | immunoglobulin lambda-like polypeptide 5 isoform 1 [Homo sapiens] | 56.54 | 2 | 11 | 13 | 2366 | 0.986 | 717 | 8.9 | 1.272 | 696 | 26.8 | 79482.27 | 56.54 | 36 | 2366 | 214 | 23.0 | 8.84 |
| 5803013 | endoplasmic reticulum resident protein 29 isoform 1 precursor [Homo sapiens] | 39.46 | 2 | 5 | 9 | 49 | 0.986 | 10 | 11.7 | 1.147 | 10 | 25.8 | 1339.17 | 39.46 | 19 | 49 | 261 | 29.0 | 7.31 |
| 578807879 | PREDICTED: kalirin isoform X5 [Homo sapiens] | 2.03 | 10 | 1 | 7 | 10 | 0.986 | 1 |  | 1.589 | 1 |  | 29.50 | 2.03 | 7 | 10 | 2956 | 336.1 | 5.96 |
| 47157322 | protein kinase C beta type isoform 1 [Homo sapiens] | 11.33 | 14 | 4 | 9 | 23 | 0.986 | 4 | 6.6 | 1.167 | 4 | 27.9 | 398.10 | 11.33 | 20 | 23 | 671 | 76.8 | 7.01 |
| 530379112 | PREDICTED: ras GTPase-activating-like protein IQGAP2 isoform X5 [Homo sapiens] | 8.63 | 11 | 3 | 11 | 78 | 0.986 | 5 | 1.2 | 1.229 | 5 | 31.2 | 1781.43 | 8.63 | 26 | 78 | 1518 | 173.8 | 5.78 |
| 92091600 | arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1 isoform c [Hom | 3.66 | 3 | 4 | 5 | 17 | 0.986 | 5 | 1.7 | 1.142 | 5 | 19.3 | 339.45 | 3.66 | 15 | 17 | 1450 | 162.1 | 6.23 |
| 50345982 | ATP synthase subunit alpha, mitochondrial isoform c [Homo sapiens] | 15.11 | 3 | 2 | 8 | 19 | 0.986 | 2 | 2.2 | 1.233 | 2 | 15.9 | 274.19 | 15.11 | 15 | 19 | 503 | 54.5 | 8.24 |
| 17149836 | peptidyl-prolyl cis-trans isomerase FKBP1A isoform a [Homo sapiens] | 88.89 | 2 | 7 | 9 | 97 | 0.986 | 28 | 8.9 | 1.216 | 28 | 17.9 | 3517.41 | 88.89 | 25 | 97 | 108 | 11.9 | 8.16 |
| 530397287 | PREDICTED: neuroblast differentiation-associated protein AHNAK isoform X5 [Homo sapiens] | 13.73 | 9 | 8 | 22 | 76 | 0.986 | 7 | 6.4 | 1.047 | 7 | 8.1 | 948.80 | 13.73 | 50 | 76 | 5762 | 614.8 | 6.18 |
| 124248516 | neutrophil defensin 1 precursor [Homo sapiens] | 67.02 | 2 | 6 | 7 | 281 | 0.986 | 86 | 5.1 | 1.281 | 85 | 17.3 | 3332.30 | 67.02 | 19 | 281 | 94 | 10.2 | 6.99 |
| 4503107 | cystatin-C precursor [Homo sapiens] | 19.18 | 1 | 2 | 2 | 6 | 0.986 | 2 | 0.2 | 1.174 | 2 | 8.5 | 321.16 | 19.18 | 6 | 6 | 146 | 15.8 | 8.75 |
| 22538393 | A-kinase anchor protein 9 isoform 3 [Homo sapiens] | 5.26 | 41 | 5 | 28 | 148 | 0.986 | 22 | 11.3 | 1.386 | 19 | 30.5 | 593.23 | 5.26 | 57 | 148 | 3899 | 451.8 | 4.98 |
| 4507645 | triosephosphate isomerase isoform 1 [Homo sapiens] | 84.34 | 3 | 15 | 16 | 229 | 0.986 | 76 | 5.8 | 1.137 | 75 | 13.3 | 10043.38 | 84.34 | 45 | 229 | 249 | 26.7 | 6.90 |
| 10835049 | transforming protein RhoA precursor [Homo sapiens] | 65.80 | 3 | 8 | 9 | 93 | 0.986 | 31 | 11.5 | 1.335 | 29 | 27.3 | 3341.06 | 65.80 | 27 | 93 | 193 | 21.8 | 6.10 |
| 4757766 | rho GTPase-activating protein 1 [Homo sapiens] | 28.93 | 1 | 10 | 11 | 58 | 0.986 | 19 | 7.5 | 1.143 | 18 | 13.7 | 1823.25 | 28.93 | 31 | 58 | 439 | 50.4 | 6.29 |
| 5901922 | hsp90 co-chaperone Cdc37 [Homo sapiens] | 12.96 | 45 | 4 | 5 | 27 | 0.985 | 7 | 3.3 | 1.172 | 7 | 9.8 | 704.51 | 12.96 | 13 | 27 | 378 | 44.4 | 5.25 |
| 117676370 | tumor necrosis factor alpha-induced protein 8 isoform b [Homo sapiens] | 26.06 | 5 | 2 | 4 | 47 | 0.985 | 4 | 9.8 | 1.115 | 3 | 1.9 | 602.52 | 26.06 | 9 | 47 | 188 | 21.9 | 8.75 |
| 578822609 | PREDICTED: ninjurin-2 isoform X2 [Homo sapiens] | 13.21 | 3 | 1 | 2 | 9 | 0.985 | 2 | 8.7 | 1.651 | 2 | 46.7 | 55.54 | 13.21 | 5 | 9 | 106 | 11.7 | 10.15 |
| 16306550 | selenium-binding protein 1 isoform 1 [Homo sapiens] | 25.21 | 3 | 7 | 7 | 33 | 0.985 | 10 | 9.3 | 1.042 | 10 | 5.6 | 1583.29 | 25.21 | 20 | 33 | 472 | 52.4 | 6.37 |
| 48255966 | UTP--glucose-1-phosphate uridylyltransferase isoform a [Homo sapiens] | 54.33 | 3 | 21 | 24 | 146 | 0.985 | 48 | 8.2 | 1.187 | 47 | 16.2 | 5340.90 | 54.33 | 69 | 146 | 508 | 56.9 | 8.15 |
| 530411199 | PREDICTED: protein phosphatase Slingshot homolog 2 isoform X2 [Homo sapiens] | 2.45 | 2 | 1 | 4 | 6 | 0.985 | 1 |  |  |  |  | 29.24 | 2.45 | 4 | 6 | 1430 | 158.9 | 5.53 |
| 14210504 | AP-1 complex subunit mu-1 isoform 2 [Homo sapiens] | 9.69 | 4 | 1 | 4 | 8 | 0.985 | 1 |  | 1.075 | 1 |  | 144.36 | 9.69 | 6 | 8 | 423 | 48.6 | 7.30 |
| 551411917 | DBF4-type zinc finger-containing protein 2 isoform 2 [Homo sapiens] | 2.55 | 4 | 1 | 8 | 11 | 0.985 | 1 |  | 1.153 | 1 |  | 23.21 | 2.55 | 8 | 11 | 2352 | 264.9 | 6.11 |
| 269847552 | ventricular zone-expressed PH domain-containing protein homolog 1 isoform 2 [Homo sapiens] | 3.81 | 2 | 1 | 5 | 7 | 0.985 | 1 |  | 1.187 | 1 |  | 26.22 | 3.81 | 5 | 7 | 788 | 89.6 | 6.73 |
| 530395344 | PREDICTED: rho-related GTP-binding protein RhoG isoform X1 [Homo sapiens] | 46.60 | 5 | 6 | 7 | 30 | 0.985 | 6 | 10.9 | 1.265 | 6 | 11.2 | 1563.96 | 46.60 | 21 | 30 | 191 | 21.3 | 8.12 |
| 5031985 | nuclear transport factor 2 [Homo sapiens] | 29.92 | 1 | 3 | 3 | 11 | 0.985 | 4 | 5.0 | 1.037 | 4 | 7.1 | 616.23 | 29.92 | 8 | 11 | 127 | 14.5 | 5.38 |
| 514239920 | complement component C8 beta chain isoform 3 [Homo sapiens] | 57.28 | 5 | 16 | 20 | 114 | 0.985 | 34 | 7.3 | 1.280 | 28 | 15.6 | 3851.52 | 57.28 | 54 | 114 | 529 | 60.1 | 7.77 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34147630 | elongation factor Tu, mitochondrial precursor [Homo sapiens] | 5.27 | 1 | 1 | 2 | 23 | 0.985 | 2 | 5.1 | 1.047 | 2 | 8.6 | 294.89 | 5.27 | 6 | 23 | 455 | 49.8 | 7.61 |
| 28195394 | histone H2A type 2-B [Homo sapiens] | 45.38 | 2 | 1 | 6 | 57 | 0.985 | 2 | 6.0 | 1.219 | 2 | 16.3 | 1679.20 | 45.38 | 18 | 57 | 130 | 14.0 | 10.89 |
| 70995211 | delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial precursor [Homo sapiens] | 3.96 | 1 | 1 | 1 | 2 | 0.985 | 1 |  | 1.370 | 1 |  | 52.47 | 3.96 | 2 | 2 | 328 | 35.8 | 8.00 |
| 4503117 | cystatin-B [Homo sapiens] | 59.18 | 1 | 4 | 5 | 35 | 0.985 | 10 | 3.4 | 1.090 | 10 | 8.0 | 938.17 | 59.18 | 14 | 35 | 98 | 11.1 | 7.56 |
| 578815934 | PREDICTED: triple QxxK/R motif-containing protein isoform X1 [Homo sapiens] | 6.98 | 1 | 1 | 1 | 4 | 0.985 | 1 |  | 1.127 | 1 |  | 90.72 | 6.98 | 3 | 4 | 86 | 9.7 | 9.36 |
| 4503529 | eukaryotic initiation factor 4A-I isoform 1 [Homo sapiens] | 35.22 | 3 | 10 | 14 | 59 | 0.985 | 16 | 4.7 | 1.103 | 16 | 11.8 | 1480.36 | 35.22 | 38 | 59 | 406 | 46.1 | 5.48 |
| 5174411 | CD5 antigen-like precursor [Homo sapiens] | 43.23 | 2 | 13 | 13 | 104 | 0.985 | 34 | 5.8 | 1.193 | 34 | 17.6 | 4678.47 | 43.23 | 38 | 104 | 347 | 38.1 | 5.47 |
| 58331240 | fetuin-B precursor [Homo sapiens] | 15.45 | 3 | 4 | 5 | 15 | 0.984 | 4 | 5.8 | 1.327 | 3 | 11.0 | 495.98 | 15.45 | 13 | 15 | 382 | 42.0 | 6.83 |
| 578818360 | PREDICTED: ankyrin repeat domain-containing protein 26 isoform X3 [Homo sapiens] | 7.24 | 9 | 1 | 17 | 36 | 0.984 | 1 |  | 1.369 | 1 |  | 42.56 | 7.24 | 25 | 36 | 2031 | 233.5 | 5.87 |
| 17978519 | vacuolar protein sorting-associated protein 26A isoform 1 [Homo sapiens] | 7.65 | 1 | 1 | 2 | 8 | 0.984 | 2 | 0.0 | 1.242 | 2 | 12.9 | 182.21 | 7.65 | 4 | 8 | 327 | 38.1 | 6.57 |
| 4757760 | adiponectin precursor [Homo sapiens] | 6.15 | 1 | 1 | 1 | 9 | 0.984 | 3 | 1.2 | 1.246 | 3 | 6.8 | 446.23 | 6.15 | 3 | 9 | 244 | 26.4 | 5.74 |
| 4506003 | serine/threonine-protein phosphatase PP1-alpha catalytic subunit isoform 1 [Homo sapiens] | 25.45 | 6 | 3 | 7 | 38 | 0.984 | 5 | 2.3 | 1.059 | 5 | 3.6 | 1322.64 | 25.45 | 21 | 38 | 330 | 37.5 | 6.33 |
| 530382085 | PREDICTED: ribosyldihydronicotinamide dehydrogenase [quinone] isoform X3 [Homo sapiens] | 51.95 | 2 | 7 | 8 | 46 | 0.984 | 13 | 8.4 | 1.161 | 13 | 7.2 | 1657.10 | 51.95 | 23 | 46 | 231 | 25.9 | 6.29 |
| 224028248 | non-POU domain-containing octamer-binding protein isoform 2 [Homo sapiens] | 18.59 | 2 | 4 | 6 | 32 | 0.984 | 9 | 13.6 | 1.118 | 9 | 20.1 | 1197.18 | 18.59 | 15 | 32 | 382 | 43.8 | 8.63 |
| 5453760 | NEDD8 precursor [Homo sapiens] | 37.04 | 1 | 1 | 3 | 20 | 0.984 | 2 | 6.6 | 1.402 | 2 | 16.7 | 814.48 | 37.04 | 7 | 20 | 81 | 9.1 | 8.43 |
| 269914167 | transmembrane emp24 domain-containing protein 6 precursor [Homo sapiens] | 4.17 | 1 | 1 | 1 | 9 | 0.984 | 1 |  | 0.730 | 1 |  | 29.91 | 4.17 | 1 | 9 | 240 | 27.6 | 8.27 |
| 33350932 | cytoplasmic dynein 1 heavy chain 1 [Homo sapiens] | 4.41 | 1 | 5 | 22 | 51 | 0.984 | 5 | 11.9 | 1.088 | 4 | 37.8 | 475.81 | 4.41 | 37 | 51 | 4646 | 532.1 | 6.40 |
| 578810877 | PREDICTED: bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1 isoform X14 [Hom | 3.29 | 5 | 1 | 4 | 19 | 0.983 | 4 | 5.3 | 1.553 | 4 | 31.2 | 291.09 | 3.29 | 8 | 19 | 882 | 100.8 | 7.97 |
| 530363148 | PREDICTED: splicing factor, proline- and glutamine-rich isoform X5 [Homo sapiens] | 20.93 | 2 | 7 | 10 | 28 | 0.983 | 8 | 9.6 | 1.082 | 8 | 6.1 | 854.82 | 20.93 | 24 | 28 | 669 | 72.2 | 9.23 |
| 542133044 | zinc finger protein 343 isoform 3 [Homo sapiens] | 6.09 | 14 | 1 | 3 | 9 | 0.983 | 3 | 0.9 | 1.052 | 3 | 4.6 | 30.14 | 6.09 | 5 | 9 | 509 | 58.8 | 8.98 |
| 108796653 | phosphoglycolate phosphatase [Homo sapiens] | 16.51 | 1 | 3 | 3 | 14 | 0.983 | 4 | 6.9 | 0.903 | 4 | 9.6 | 633.25 | 16.51 | 9 | 14 | 321 | 34.0 | 6.14 |
| 555290081 | 3'(2'),5'-bisphosphate nucleotidase 1 isoform 2 [Homo sapiens] | 6.32 | 5 | 1 | 1 | 3 | 0.983 | 1 |  | 0.846 | 1 |  | 270.47 | 6.32 | 3 | 3 | 253 | 27.5 | 5.33 |
| 18379349 | synaptic vesicle membrane protein VAT-1 homolog [Homo sapiens] | 62.09 | 2 | 15 | 18 | 152 | 0.983 | 49 | 12.3 | 1.198 | 48 | 25.2 | 7590.79 | 62.09 | 52 | 152 | 393 | 41.9 | 6.29 |
| 189458812 | 1,4-alpha-glucan-branching enzyme [Homo sapiens] | 36.18 | 1 | 13 | 18 | 135 | 0.983 | 27 | 5.6 | 1.247 | 27 | 11.3 | 3653.86 | 36.18 | 48 | 135 | 702 | 80.4 | 6.32 |
| 124028517 | transcription factor PU.1 isoform 2 [Homo sapiens] | 13.70 | 2 | 2 | 4 | 10 | 0.983 | 2 | 3.4 | 1.213 | 2 | 34.2 | 199.60 | 13.70 | 8 | 10 | 270 | 31.1 | 6.80 |
| 530379128 | PREDICTED: lysM and putative peptidoglycan-binding domain-containing protein 3 isoform X1 [ | 5.23 | 10 | 1 | 3 | 8 | 0.983 | 2 | 7.0 | 1.190 | 2 | 4.2 | 95.26 | 5.23 | 7 | 8 | 306 | 34.5 | 5.97 |
| 11641247 | Golgi-associated plant pathogenesis-related protein 1 isoform a [Homo sapiens] | 51.30 | 5 | 5 | 6 | 25 | 0.983 | 8 | 5.3 | 1.213 | 8 | 8.6 | 1449.02 | 51.30 | 16 | 25 | 154 | 17.2 | 9.41 |
| 530379765 | PREDICTED: eukaryotic peptide chain release factor subunit 1 isoform X2 [Homo sapiens] | 8.42 | 3 | 2 | 4 | 10 | 0.983 | 2 | 2.0 | 1.135 | 2 | 17.1 | 235.22 | 8.42 | 9 | 10 | 404 | 45.4 | 5.57 |
| 4826902 | serpin B10 [Homo sapiens] | 70.03 | 1 | 23 | 23 | 150 | 0.982 | 51 | 6.9 | 1.143 | 51 | 18.6 | 5090.16 | 70.03 | 69 | 150 | 397 | 45.4 | 6.16 |
| 586798140 | bridging integrator 2 isoform 2 [Homo sapiens] | 30.43 | 39 | 9 | 13 | 53 | 0.982 | 15 | 6.0 | 1.114 | 15 | 20.7 | 1937.22 | 30.43 | 33 | 53 | 539 | 59.2 | 5.00 |
| 24308273 | costars family protein ABRACL [Homo sapiens] | 38.27 | 1 | 2 | 3 | 18 | 0.982 | 4 | 4.5 | 1.112 | 4 | 31.8 | 119.65 | 38.27 | 7 | 18 | 81 | 9.1 | 6.29 |
| 578821763 | PREDICTED: calpain-1 catalytic subunit isoform X1 [Homo sapiens] | 37.25 | 1 | 19 | 20 | 101 | 0.982 | 33 | 9.6 | 1.205 | 31 | 25.5 | 3533.10 | 37.25 | 59 | 101 | 714 | 81.8 | 5.67 |
| 578813403 | PREDICTED: glycine--tRNA ligase isoform X1 [Homo sapiens] | 18.18 | 2 | 4 | 7 | 18 | 0.982 | 4 | 6.4 | 1.039 | 4 | 14.2 | 298.36 | 18.18 | 16 | 18 | 616 | 69.9 | 6.13 |
| 578809641 | PREDICTED: bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 3 isoform X1 [Homo | 5.50 | 3 | 1 | 6 | 7 | 0.982 | 1 |  | 1.501 | 1 |  | 44.56 | 5.50 | 6 | 7 | 873 | 100.8 | 8.06 |
| 4505185 | macrophage migration inhibitory factor [Homo sapiens] | 87.83 | 3 | 5 | 5 | 140 | 0.982 | 23 | 9.4 | 1.183 | 16 | 6.4 | 1225.55 | 87.83 | 15 | 140 | 115 | 12.5 | 7.88 |
| 6912352 | protein argonaute-1 [Homo sapiens] | 3.97 | 1 | 1 | 4 | 6 | 0.982 | 1 |  | 1.191 | 1 |  | 58.38 | 3.97 | 6 | 6 | 857 | 97.2 | 9.16 |
| 384229049 | thymidine phosphorylase isoform 1 proprotein [Homo sapiens] | 48.34 | 2 | 13 | 16 | 73 | 0.982 | 23 | 7.6 | 1.170 | 23 | 17.4 | 3356.63 | 48.34 | 44 | 73 | 482 | 49.9 | 5.53 |
| 4758256 | eukaryotic translation initiation factor 2 subunit 1 [Homo sapiens] | 6.03 | 1 | 2 | 2 | 6 | 0.982 | 2 | 17.2 | 1.037 | 2 | 0.5 | 219.18 | 6.03 | 6 | 6 | 315 | 36.1 | 5.08 |
| 629266054 | probable G-protein coupled receptor 179 precursor [Homo sapiens] | 2.92 | 1 | 1 | 7 | 25 | 0.982 | 4 | 2.9 | 1.100 | 4 | 30.2 | 130.78 | 2.92 | 9 | 25 | 2367 | 257.2 | 5.71 |
| 4503149 | cathepsin G preproprotein [Homo sapiens] | 59.61 | 3 | 15 | 17 | 282 | 0.982 | 78 | 5.6 | 1.174 | 78 | 14.0 | 7393.72 | 59.61 | 50 | 282 | 255 | 28.8 | 11.19 |
| 20070130 | transcription factor BTF3 isoform B [Homo sapiens] | 10.49 | 2 | 1 | 2 | 8 | 0.982 | 2 | 2.2 | **2.896** | 1 |  | 153.36 | 10.49 | 4 | 8 | 162 | 17.7 | 7.50 |
| 11342670 | azurocidin preproprotein [Homo sapiens] | 53.39 | 1 | 9 | 9 | 253 | 0.982 | 63 | 8.4 | 1.152 | 60 | 19.2 | 7395.83 | 53.39 | 27 | 253 | 251 | 26.9 | 9.50 |
| 38201684 | ribonuclease pancreatic precursor [Homo sapiens] | 14.74 | 1 | 1 | 1 | 6 | 0.982 | 2 | 21.8 | 1.245 | 2 | 4.6 | 202.93 | 14.74 | 3 | 6 | 156 | 17.6 | 8.79 |
| 88703045 | proline-rich protein 11 [Homo sapiens] | 6.94 | 1 | 1 | 5 | 152 | 0.981 | 20 | 4.1 | 1.438 | 20 | 28.1 | 680.02 | 6.94 | 10 | 152 | 360 | 40.1 | 10.11 |
| 530402140 | PREDICTED: S-formylglutathione hydrolase isoform X1 [Homo sapiens] | 65.25 | 1 | 11 | 12 | 65 | 0.981 | 17 | 9.6 | 1.180 | 16 | 14.1 | 1850.36 | 65.25 | 36 | 65 | 282 | 31.4 | 7.02 |
| 115529463 | serine/threonine-protein kinase D1 [Homo sapiens] | 1.21 | 2 | 1 | 3 | 14 | 0.981 | 2 | 9.0 | 1.823 | 2 | 3.1 | 62.68 | 1.21 | 5 | 14 | 912 | 101.6 | 6.62 |
| 7706254 | nucleolar protein 58 [Homo sapiens] | 4.73 | 1 | 1 | 3 | 15 | 0.981 | 1 |  | 1.077 | 1 |  | 151.63 | 4.73 | 7 | 15 | 529 | 59.5 | 8.92 |
| 4504351 | hemoglobin subunit delta [Homo sapiens] | 95.24 | 1 | 8 | 17 | 2380 | 0.981 | 86 | 9.5 | 1.072 | 86 | 10.9 | 114443.61 | 95.24 | 50 | 2380 | 147 | 16.0 | 8.05 |
| 530405979 | PREDICTED: pyruvate kinase PKM isoform X3 [Homo sapiens] | 84.93 | 25 | 4 | 49 | 1109 | 0.981 | 34 | 7.4 | 1.245 | 34 | 24.6 | 45692.09 | 84.93 | 145 | 1109 | 531 | 57.9 | 7.84 |
| 162287326 | tyrosine-protein kinase Lyn isoform B [Homo sapiens] | 9.98 | 97 | 3 | 5 | 22 | 0.981 | 4 | 7.8 | 1.072 | 4 | 6.8 | 542.34 | 9.98 | 14 | 22 | 491 | 56.0 | 6.49 |
| 530365780 | PREDICTED: rab GTPase-activating protein 1-like isoform X2 [Homo sapiens] | 6.51 | 24 | 1 | 7 | 19 | 0.981 | 2 | 2.2 | 1.074 | 2 | 4.7 | 101.36 | 6.51 | 12 | 19 | 1014 | 115.3 | 5.47 |
| 530383216 | PREDICTED: ras-related GTP-binding protein D isoform X1 [Homo sapiens] | 2.31 | 4 | 1 | 1 | 2 | 0.981 | 1 |  | 1.178 | 1 |  | 42.37 | 2.31 | 2 | 2 | 303 | 34.2 | 4.44 |
| 4504345 | hemoglobin subunit alpha [Homo sapiens] | 96.48 | 2 | 17 | 18 | 4565 | 0.981 | 1418 | 14.1 | 1.088 | 1424 | 10.6 | 229789.54 | 96.48 | 54 | 4565 | 142 | 15.2 | 8.68 |
| 18543329 | 26S proteasome non-ATPase regulatory subunit 9 isoform 1 [Homo sapiens] | 13.45 | 2 | 4 | 4 | 15 | 0.981 | 5 | 2.8 | 1.094 | 5 | 5.6 | 312.19 | 13.45 | 12 | 15 | 223 | 24.7 | 6.95 |
| 312596881 | 26S protease regulatory subunit 8 isoform 2 [Homo sapiens] | 23.12 | 3 | 5 | 8 | 20 | 0.981 | 5 | 8.4 | 1.226 | 5 | 20.6 | 516.30 | 23.12 | 20 | 20 | 398 | 44.8 | 8.18 |
| 4504255 | histone H2A.Z [Homo sapiens] | 53.91 | 7 | 3 | 6 | 50 | 0.980 | 7 | 16.2 | 1.051 | 6 | 11.9 | 1359.90 | 53.91 | 16 | 50 | 128 | 13.5 | 10.58 |
| 4503649 | coagulation factor IX preproprotein [Homo sapiens] | 9.33 | 3 | 3 | 4 | 14 | 0.980 | 4 | 3.5 | 1.518 | 4 | 15.8 | 453.74 | 9.33 | 10 | 14 | 461 | 51.7 | 5.47 |
| 17999541 | vacuolar protein sorting-associated protein 35 [Homo sapiens] | 21.23 | 5 | 14 | 14 | 70 | 0.980 | 24 | 5.7 | 1.184 | 24 | 16.0 | 2344.43 | 21.23 | 40 | 70 | 796 | 91.6 | 5.49 |
| 530391036 | PREDICTED: solute carrier family 2, facilitated glucose transporter member 8 isoform X1 [Homo | 2.87 | 4 | 1 | 2 | 2 | 0.980 | 1 |  | 1.024 | 1 |  | 27.81 | 2.87 | 2 | 2 | 314 | 34.3 | 7.36 |
| 578831041 | PREDICTED: cytokine receptor-like factor 3 isoform X1 [Homo sapiens] | 15.50 | 2 | 4 | 4 | 12 | 0.980 | 4 | 7.7 | 1.165 | 4 | 2.6 | 450.51 | 15.50 | 12 | 12 | 400 | 44.8 | 5.06 |
| 24234756 | interleukin enhancer-binding factor 3 isoform c [Homo sapiens] | 18.84 | 10 | 10 | 11 | 38 | 0.980 | 11 | 7.2 | 1.154 | 11 | 15.1 | 1372.95 | 18.84 | 32 | 38 | 690 | 74.6 | 8.24 |
| 5032315 | dystrophin Dp427p2 isoform [Homo sapiens] | 5.56 | 47 | 1 | 25 | 63 | 0.980 | 1 |  | 1.525 | 1 |  | 246.04 | 5.56 | 38 | 63 | 3562 | 412.1 | 5.83 |
| 304555581 | elongation factor 1-delta isoform 1 [Homo sapiens] | 16.07 | 12 | 1 | 8 | 36 | 0.980 | 2 | 2.0 | 1.192 | 2 | 7.2 | 1216.35 | 16.07 | 19 | 36 | 647 | 71.4 | 6.42 |
| 20149583 | nucleoside diphosphate-linked moiety X motif 6 isoform a [Homo sapiens] | 5.70 | 2 | 1 | 2 | 4 | 0.980 | 1 |  |  |  |  | 42.11 | 5.70 | 4 | 4 | 316 | 35.7 | 8.00 |
| 20357559 | galectin-10 [Homo sapiens] | 47.89 | 1 | 3 | 6 | 70 | 0.980 | 14 | 12.0 | 1.066 | 14 | 7.7 | 1343.89 | 47.89 | 13 | 70 | 142 | 16.4 | 7.37 |
| 24307939 | T-complex protein 1 subunit epsilon [Homo sapiens] | 31.98 | 1 | 9 | 12 | 44 | 0.980 | 11 | 4.0 | 1.099 | 10 | 10.9 | 1311.37 | 31.98 | 31 | 44 | 541 | 59.6 | 5.66 |
| 347543829 | dihydropyrimidinase-related protein 2 isoform 3 [Homo sapiens] | 17.54 | 13 | 7 | 8 | 23 | 0.979 | 8 | 6.3 | 1.121 | 8 | 19.3 | 628.54 | 17.54 | 21 | 23 | 536 | 58.1 | 6.15 |
| 372266129 | protein flightless-1 homolog isoform 3 [Homo sapiens] | 9.56 | 6 | 6 | 12 | 42 | 0.979 | 8 | 3.3 | 1.064 | 8 | 26.4 | 853.29 | 9.56 | 29 | 42 | 1214 | 138.4 | 6.07 |
| 8922873 | GTPase IMAP family member 4 [Homo sapiens] | 23.71 | 3 | 3 | 8 | 19 | 0.979 | 3 | 2.1 | 1.150 | 3 | 18.7 | 452.27 | 23.71 | 18 | 19 | 329 | 37.5 | 7.81 |
| 6005890 | transcription elongation factor B polypeptide 2 isoform a [Homo sapiens] | 5.93 | 3 | 1 | 1 | 4 | 0.979 | 1 |  | 1.200 | 1 |  | 101.12 | 5.93 | 3 | 4 | 118 | 13.1 | 4.88 |
| 578829028 | PREDICTED: lysophosphatidylcholine acyltransferase 2 isoform X2 [Homo sapiens] | 5.94 | 2 | 1 | 3 | 13 | 0.979 | 1 |  | 1.234 | 1 |  | 77.56 | 5.94 | 5 | 13 | 488 | 54.4 | 5.91 |
| 5902076 | serine/arginine-rich splicing factor 1 isoform 1 [Homo sapiens] | 10.08 | 1 | 1 | 3 | 11 | 0.979 | 1 |  | 0.988 | 1 |  | 180.60 | 10.08 | 9 | 11 | 248 | 27.7 | 10.36 |
| 395132436 | 60S ribosomal protein L18 isoform 2 [Homo sapiens] | 6.92 | 2 | 1 | 1 | 3 | 0.979 | 1 |  | 0.979 | 1 |  | 128.81 | 6.92 | 3 | 3 | 159 | 18.1 | 11.84 |
| 530388218 | PREDICTED: brefeldin A-inhibited guanine nucleotide-exchange protein 1 isoform X2 [Homo sap | 6.08 | 4 | 1 | 12 | 61 | 0.979 | 1 |  | 1.157 | 1 |  | 36.18 | 6.08 | 18 | 61 | 1843 | 208.0 | 5.85 |
| 4506623 | 60S ribosomal protein L27 [Homo sapiens] | 11.03 | 1 | 1 | 2 | 4 | 0.978 | 1 |  | 1.652 | 1 |  | 71.97 | 11.03 | 4 | 4 | 136 | 15.8 | 10.56 |
| 530418240 | PREDICTED: regulation of nuclear pre-mRNA domain-containing protein 1B isoform X1 [Homo s | 18.25 | 2 | 1 | 4 | 9 | 0.978 | 1 |  | 1.600 | 1 |  | 186.18 | 18.25 | 7 | 9 | 285 | 32.4 | 5.52 |
| 578829677 | PREDICTED: SET and MYND domain-containing protein 4 isoform X3 [Homo sapiens] | 4.29 | 3 | 1 | 3 | 7 | 0.978 | 1 |  | 1.218 | 1 |  | 72.92 | 4.29 | 6 | 7 | 700 | 77.3 | 7.01 |
| 50659080 | alpha-1-antichymotrypsin precursor [Homo sapiens] | 46.57 | 5 | 21 | 21 | 184 | 0.978 | 53 | 7.0 | 1.097 | 53 | 12.2 | 6125.36 | 46.57 | 63 | 184 | 423 | 47.6 | 5.52 |
| 32171249 | prostaglandin-H2 D-isomerase precursor [Homo sapiens] | 23.68 | 1 | 2 | 3 | 14 | 0.978 | 4 | 1.8 | 1.145 | 4 | 12.8 | 585.75 | 23.68 | 7 | 14 | 190 | 21.0 | 7.80 |
| 119395750 | keratin, type II cytoskeletal 1 [Homo sapiens] | 45.19 | 25 | 16 | 25 | 144 | 0.978 | 23 | 8.5 | 1.040 | 23 | 10.0 | 3504.55 | 45.19 | 71 | 144 | 644 | 66.0 | 8.12 |
| 30089926 | F-box only protein 11 isoform 1 [Homo sapiens] | 1.07 | 5 | 1 | 1 | 10 | 0.978 | 3 | 12.5 | 1.154 | 3 | 15.0 | 105.25 | 1.07 | 3 | 10 | 843 | 94.0 | 6.84 |
| 50428938 | ATPase ASNA1 [Homo sapiens] | 5.46 | 1 | 1 | 2 | 4 | 0.978 | 1 |  | 0.959 | 1 |  | 68.26 | 5.46 | 4 | 4 | 348 | 38.8 | 4.91 |
| 578815059 | PREDICTED: cathepsin B isoform X1 [Homo sapiens] | 22.42 | 1 | 4 | 6 | 57 | 0.978 | 14 | 4.9 | 1.095 | 14 | 5.7 | 1288.30 | 22.42 | 17 | 57 | 339 | 37.8 | 6.30 |
| 348041385 | MOB kinase activator 1B isoform 3 [Homo sapiens] | 40.82 | 5 | 4 | 4 | 12 | 0.978 | 4 | 3.4 | 1.173 | 4 | 5.6 | 322.39 | 40.82 | 12 | 12 | 147 | 16.6 | 5.29 |
| 530381903 | PREDICTED: high mobility group protein HMG-I/HMG-Y isoform X3 [Homo sapiens] | 43.93 | 1 | 2 | 4 | 17 | 0.978 | 4 | 4.0 | 1.173 | 4 | 9.6 | 530.55 | 43.93 | 9 | 17 | 107 | 11.7 | 10.32 |
| 199562283 | retrotransposon-like protein 1 [Homo sapiens] | 3.83 | 1 | 1 | 5 | 18 | 0.978 | 4 | 4.2 | 1.251 | 4 | 27.4 | 89.68 | 3.83 | 9 | 18 | 1358 | 154.9 | 5.21 |
| 56790932 | echinoderm microtubule-associated protein-like 1 isoform a [Homo sapiens] | 2.88 | 1 | 1 | 3 | 11 | 0.978 | 2 | 6.7 | 1.088 | 2 | 0.7 | 98.10 | 2.88 | 7 | 11 | 834 | 91.9 | 7.43 |
| 169636415 | complement component C6 precursor [Homo sapiens] | 41.97 | 5 | 27 | 31 | 177 | 0.978 | 55 | 5.5 | 1.270 | 55 | 29.4 | 5909.50 | 41.97 | 86 | 177 | 934 | 104.7 | 6.76 |
| 5729770 | tripeptidyl-peptidase 1 preproprotein [Homo sapiens] | 13.32 | 1 | 3 | 5 | 25 | 0.978 | 7 | 6.1 | 1.249 | 7 | 31.2 | 1014.69 | 13.32 | 13 | 25 | 563 | 61.2 | 6.48 |
| 117414148 | protein broad-minded [Homo sapiens] | 2.23 | 7 | 2 | 5 | 42 | 0.978 | 1 |  | 1.704 | 1 |  | 287.62 | 2.23 | 13 | 42 | 1257 | 144.7 | 6.74 |
| 157738649 | neurofilament medium polypeptide isoform 1 [Homo sapiens] | 9.06 | 4 | 1 | 12 | 63 | 0.977 | 1 |  | 0.971 | 1 |  | 942.33 | 9.06 | 21 | 63 | 916 | 102.4 | 4.91 |
| 16757970 | protein Niban [Homo sapiens] | 15.30 | 1 | 8 | 9 | 38 | 0.977 | 12 | 6.5 | 1.299 | 11 | 22.3 | 1620.72 | 15.30 | 26 | 38 | 928 | 103.1 | 4.78 |
| 283806699 | zinc finger BED domain-containing protein 1 [Homo sapiens] | 3.60 | 1 | 1 | 3 | 6 | 0.977 | 1 |  | 1.209 | 1 |  | 45.43 | 3.60 | 6 | 6 | 694 | 78.1 | 6.10 |
| 4504957 | lysosome-associated membrane glycoprotein 2 isoform A precursor [Homo sapiens] | 17.80 | 3 | 3 | 6 | 17 | 0.977 | 5 | 11.0 | 0.984 | 5 | 22.3 | 295.60 | 17.80 | 12 | 17 | 410 | 44.9 | 5.63 |
| 530417951 | PREDICTED: RNA-binding protein Raly isoform X3 [Homo sapiens] | 17.24 | 4 | 2 | 5 | 18 | 0.977 | 3 | 0.3 | 1.121 | 3 | 9.0 | 346.34 | 17.24 | 11 | 18 | 290 | 30.3 | 9.63 |
| 578800895 | PREDICTED: melanoma inhibitory activity protein 3 isoform X3 [Homo sapiens] | 2.35 | 4 | 1 | 6 | 7 | 0.977 | 1 |  | 1.086 | 1 |  | 36.77 | 2.35 | 6 | 7 | 1872 | 209.3 | 4.81 |
| 238859593 | UDP-glucose:glycoprotein glucosyltransferase 2 precursor [Homo sapiens] | 6.20 | 1 | 1 | 12 | 13 | 0.977 | 1 |  | 1.155 | 1 |  | 23.58 | 6.20 | 12 | 13 | 1516 | 174.6 | 6.89 |
| 4505621 | phosphatidylethanolamine-binding protein 1 preproprotein [Homo sapiens] | 82.89 | 1 | 9 | 11 | 78 | 0.977 | 21 | 8.8 | 1.169 | 21 | 15.9 | 2354.59 | 82.89 | 33 | 78 | 187 | 21.0 | 7.53 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5453710 | LIM and SH3 domain protein 1 isoform a [Homo sapiens] | 72.80 | 4 | 10 | 12 | 63 | 0.977 | 20 | 10.8 | 1.154 | 20 | 20.8 | 1205.96 | 72.80 | 32 | 63 | 261 | 29.7 | 7.05 |
| 6912238 | peroxiredoxin-5, mitochondrial isoform a precursor [Homo sapiens] | 61.21 | 4 | 10 | 12 | 175 | 0.977 | 52 | 9.8 | 1.157 | 51 | 17.6 | 6489.83 | 61.21 | 34 | 175 | 214 | 22.0 | 8.57 |
| 530377475 | PREDICTED: nephronectin isoform X3 [Homo sapiens] | 1.08 | 8 | 1 | 1 | 1 | 0.977 | 1 |  | 1.776 | 1 |  | 20.02 | 1.08 | 1 | 1 | 461 | 50.2 | 8.25 |
| 56699409 | RNA-binding motif protein, X chromosome isoform 1 [Homo sapiens] | 17.14 | 4 | 4 | 8 | 42 | 0.977 | 8 | 5.1 | 1.272 | 8 | 12.6 | 1272.48 | 17.14 | 19 | 42 | 391 | 42.3 | 10.05 |
| 578835477 | PREDICTED: NSFL1 cofactor p47 isoform X4 [Homo sapiens] | 23.17 | 6 | 3 | 5 | 19 | 0.977 | 4 | 3.9 | 1.051 | 4 | 1.9 | 519.60 | 23.17 | 13 | 19 | 259 | 28.5 | 9.38 |
| 380837121 | vesicle-trafficking protein SEC22b precursor [Homo sapiens] | 30.70 | 1 | 4 | 6 | 32 | 0.977 | 5 | 3.5 | 1.203 | 5 | 15.0 | 600.24 | 30.70 | 15 | 32 | 215 | 24.7 | 8.51 |
| 4507511 | metalloproteinase inhibitor 2 precursor [Homo sapiens] | 20.91 | 1 | 3 | 4 | 14 | 0.977 | 3 | 1.3 | 1.218 | 3 | 20.7 | 257.01 | 20.91 | 11 | 14 | 220 | 24.4 | 7.49 |
| 22091452 | apolipoprotein M isoform 1 [Homo sapiens] | 57.98 | 3 | 7 | 9 | 48 | 0.977 | 14 | 9.5 | 1.145 | 14 | 41.8 | 1497.72 | 57.98 | 25 | 48 | 188 | 21.2 | 6.01 |
| 188595677 | integrin beta-2 precursor [Homo sapiens] | 17.56 | 2 | 9 | 13 | 42 | 0.976 | 12 | 3.7 | 1.144 | 12 | 11.0 | 1227.07 | 17.56 | 30 | 42 | 769 | 84.7 | 6.95 |
| 300934782 | transportin-3 isoform 2 [Homo sapiens] | 4.31 | 3 | 1 | 4 | 8 | 0.976 | 1 |  | 1.295 | 1 |  | 157.26 | 4.31 | 8 | 8 | 859 | 97.3 | 5.44 |
| 66933016 | inosine-5'-monophosphate dehydrogenase 2 [Homo sapiens] | 17.51 | 2 | 4 | 5 | 13 | 0.976 | 4 | 6.6 | 1.105 | 3 | 4.7 | 475.16 | 17.51 | 13 | 13 | 514 | 55.8 | 6.90 |
| 578838944 | PREDICTED: NF-kappa-B essential modulator isoform X6 [Homo sapiens] | 6.72 | 6 | 1 | 3 | 12 | 0.976 | 1 |  | 1.469 | 1 |  | 32.01 | 6.72 | 7 | 12 | 461 | 53.1 | 6.62 |
| 4504041 | guanine nucleotide-binding protein G(i) subunit alpha-2 isoform 1 [Homo sapiens] | 42.54 | 22 | 6 | 13 | 59 | 0.976 | 13 | 6.4 | 1.266 | 12 | 24.0 | 2305.68 | 42.54 | 34 | 59 | 355 | 40.4 | 5.54 |
| 21281677 | WD repeat-containing protein 36 [Homo sapiens] | 1.68 | 1 | 1 | 2 | 5 | 0.976 | 1 |  | 1.472 | 1 |  | 14.81 | 1.68 | 2 | 5 | 951 | 105.3 | 7.53 |
| 237649049 | small nuclear ribonucleoprotein Sm D2 isoform 2 [Homo sapiens] | 25.93 | 2 | 3 | 3 | 9 | 0.976 | 3 | 1.7 | 1.215 | 3 | 27.8 | 236.08 | 25.93 | 9 | 9 | 108 | 12.4 | 9.89 |
| 4503625 | coagulation factor X preproprotein [Homo sapiens] | 18.24 | 3 | 7 | 9 | 34 | 0.976 | 10 | 5.5 | 1.095 | 10 | 12.1 | 711.98 | 18.24 | 22 | 34 | 488 | 54.7 | 5.94 |
| 530411225 | PREDICTED: Golgi SNAP receptor complex member 1 isoform X3 [Homo sapiens] | 23.24 | 5 | 1 | 4 | 9 | 0.976 | 1 |  | 0.975 | 1 |  | 140.37 | 23.24 | 9 | 9 | 185 | 21.2 | 9.61 |
| 258679498 | carbonic anhydrase 1 isoform a [Homo sapiens] | 83.52 | 3 | 12 | 14 | 752 | 0.976 | 140 | 9.3 | 1.085 | 140 | 9.0 | 20643.20 | 83.52 | 42 | 752 | 261 | 28.9 | 7.12 |
| 578798051 | PREDICTED: uncharacterized protein LOC100293211 [Homo sapiens] | 23.33 | 2 | 5 | 7 | 445 | 0.976 | 50 | 6.0 | 1.243 | 49 | 24.5 | 8614.25 | 23.33 | 21 | 445 | 270 | 29.5 | 8.59 |
| 530422109 | PREDICTED: RNA-binding protein 41 isoform X2 [Homo sapiens] | 7.36 | 7 | 2 | 5 | 19 | 0.976 | 1 |  | 1.101 | 1 |  | 57.52 | 7.36 | 5 | 19 | 394 | 44.9 | 9.60 |
| 4557469 | AP-2 complex subunit beta isoform b [Homo sapiens] | 14.94 | 3 | 6 | 13 | 40 | 0.976 | 7 | 2.5 | 1.167 | 7 | 5.9 | 1131.86 | 14.94 | 34 | 40 | 937 | 104.5 | 5.38 |
| 323510705 | signal recognition particle 19 kDa protein isoform 6 [Homo sapiens] | 24.75 | 3 | 1 | 1 | 2 | 0.976 | 1 |  | 1.555 | 1 |  | 50.26 | 24.75 | 2 | 2 | 101 | 11.5 | 9.04 |
| 530412701 | PREDICTED: band 3 anion transport protein isoform X2 [Homo sapiens] | 9.57 | 2 | 5 | 6 | 25 | 0.976 | 9 | 2.6 | 1.183 | 9 | 26.6 | 988.10 | 9.57 | 16 | 25 | 846 | 94.1 | 6.16 |
| 83700231 | cytotoxic T-lymphocyte protein 4 isoform CTLA-4delTM precursor [Homo sapiens] | 7.47 | 2 | 1 | 2 | 3 | 0.976 | 1 |  | 1.152 | 1 |  | 30.69 | 7.47 | 3 | 3 | 174 | 19.1 | 8.47 |
| 544186046 | protein disulfide-isomerase A6 isoform b [Homo sapiens] | 23.16 | 8 | 7 | 9 | 36 | 0.975 | 10 | 6.9 | 1.151 | 10 | 6.2 | 1443.32 | 23.16 | 23 | 36 | 488 | 53.2 | 5.53 |
| 530408977 | PREDICTED: sulfotransferase 1A1 isoform X1 [Homo sapiens] | 39.66 | 7 | 9 | 10 | 54 | 0.975 | 18 | 4.7 | 1.454 | 18 | 18.0 | 1866.71 | 39.66 | 27 | 54 | 295 | 34.1 | 6.62 |
| 530425159 | PREDICTED: neutrophil elastase isoform X1 [Homo sapiens] | 55.06 | 1 | 8 | 11 | 317 | 0.975 | 86 | 8.7 | 1.258 | 77 | 20.3 | 11655.41 | 55.06 | 32 | 317 | 267 | 28.5 | 9.35 |
| 546230986 | beta-glucuronidase isoform 2 precursor [Homo sapiens] | 7.52 | 5 | 1 | 5 | 9 | 0.975 | 1 |  | 1.150 | 1 |  | 45.17 | 7.52 | 7 | 9 | 505 | 58.3 | 6.99 |
| 578822219 | PREDICTED: nuclear factor related to kappa-B-binding protein isoform X5 [Homo sapiens] | 2.40 | 6 | 1 | 3 | 5 | 0.975 | 1 |  | 1.012 | 1 |  | 41.99 | 2.40 | 3 | 5 | 1294 | 139.9 | 8.87 |
| 94721252 | vesicle-associated membrane protein-associated protein A isoform 2 [Homo sapiens] | 15.66 | 2 | 3 | 3 | 10 | 0.975 | 4 | 7.9 | 1.111 | 4 | 20.5 | 208.56 | 15.66 | 7 | 10 | 249 | 27.9 | 8.62 |
| 118442839 | complement factor H-related protein 1 precursor [Homo sapiens] | 38.18 | 3 | 2 | 10 | 72 | 0.975 | 3 | 6.3 | 1.094 | 3 | 1.8 | 1717.31 | 38.18 | 29 | 72 | 330 | 37.6 | 7.39 |
| 342349321 | interleukin-18 isoform 2 proprotein [Homo sapiens] | 9.52 | 2 | 1 | 3 | 10 | 0.975 | 2 | 3.9 | 1.273 | 2 | 8.8 | 56.24 | 9.52 | 6 | 10 | 189 | 21.9 | 4.78 |
| 50428935 | microtubule-associated protein 1S [Homo sapiens] | 4.34 | 1 | 3 | 4 | 12 | 0.975 | 3 | 0.6 | 1.214 | 3 | 29.2 | 222.22 | 4.34 | 11 | 12 | 1059 | 112.1 | 7.30 |
| 15431295 | 60S ribosomal protein L13 isoform 1 [Homo sapiens] | 14.69 | 2 | 1 | 4 | 13 | 0.974 | 3 | 2.0 | 1.095 | 3 | 6.8 | 356.10 | 14.69 | 6 | 13 | 211 | 24.2 | 11.65 |
| 578840723 | PREDICTED: V-set and immunoglobulin domain-containing protein 1-like [Homo sapiens] | 24.80 | 1 | 8 | 9 | 264 | 0.974 | 78 | 4.1 | 1.307 | 73 | 14.4 | 2855.67 | 24.80 | 25 | 264 | 250 | 27.2 | 8.54 |
| 299758394 | dynamin-2 isoform 5 [Homo sapiens] | 19.10 | 23 | 12 | 17 | 51 | 0.974 | 12 | 3.8 | 1.191 | 12 | 20.8 | 797.51 | 19.10 | 46 | 51 | 869 | 97.9 | 7.44 |
| 255958306 | perilipin-3 isoform 3 [Homo sapiens] | 39.10 | 3 | 11 | 12 | 59 | 0.974 | 14 | 7.1 | 1.146 | 14 | 15.2 | 1413.80 | 39.10 | 32 | 59 | 422 | 45.8 | 5.43 |
| 26051231 | serine beta-lactamase-like protein LACTB, mitochondrial isoform a precursor [Homo sapiens] | 4.02 | 4 | 1 | 3 | 14 | 0.974 | 1 |  | 1.222 | 1 |  | 28.34 | 4.02 | 3 | 14 | 547 | 60.7 | 8.53 |
| 23111047 | sorting nexin-5 isoform a [Homo sapiens] | 7.18 | 1 | 2 | 3 | 9 | 0.974 | 3 | 1.0 | 0.944 | 3 | 11.7 | 324.06 | 7.18 | 6 | 9 | 404 | 46.8 | 6.76 |
| 21361659 | importin-9 [Homo sapiens] | 6.53 | 2 | 1 | 5 | 10 | 0.974 | 1 |  | 1.521 | 1 |  | 210.24 | 6.53 | 7 | 10 | 1041 | 115.9 | 4.81 |
| 66346685 | plasminogen activator inhibitor 1 RNA-binding protein isoform 4 [Homo sapiens] | 13.18 | 4 | 3 | 5 | 13 | 0.974 | 4 | 5.6 | 1.217 | 4 | 8.1 | 251.47 | 13.18 | 10 | 13 | 387 | 42.4 | 8.44 |
| 4885583 | rho-associated protein kinase 1 [Homo sapiens] | 10.78 | 1 | 4 | 15 | 40 | 0.974 | 4 | 1.7 | 1.161 | 3 | 6.1 | 454.74 | 10.78 | 30 | 40 | 1354 | 158.1 | 5.90 |
| 530391093 | PREDICTED: protein prenyltransferase alpha subunit repeat-containing protein 1 isoform X2 [H | 9.73 | 17 | 2 | 4 | 36 | 0.974 | 3 | 12.4 | **5.364** | 2 | 425.9 | 209.56 | 9.73 | 9 | 36 | 401 | 46.3 | 6.99 |
| 530425592 | PREDICTED: putative hydrolase RBBP9 isoform X1 [Homo sapiens] | 10.16 | 2 | 1 | 1 | 3 | 0.974 | 1 |  | 1.283 | 1 |  | 91.25 | 10.16 | 3 | 3 | 128 | 14.7 | 5.72 |
| 578813594 | PREDICTED: actin, cytoplasmic 1 isoform X1 [Homo sapiens] | 97.23 | 23 | 3 | 30 | 4096 | 0.974 | 3 | 6.6 | **2.422** | 2 | 50.7 | 165999.28 | 97.23 | 86 | 4096 | 253 | 28.2 | 5.34 |
| 4502171 | adenine phosphoribosyltransferase isoform a [Homo sapiens] | 49.44 | 2 | 7 | 7 | 45 | 0.974 | 15 | 9.3 | 1.133 | 14 | 31.8 | 1870.46 | 49.44 | 21 | 45 | 180 | 19.6 | 6.02 |
| 51477708 | heterogeneous nuclear ribonucleoprotein D0 isoform d [Homo sapiens] | 24.74 | 6 | 6 | 9 | 42 | 0.974 | 11 | 8.4 | 1.177 | 11 | 31.4 | 823.10 | 24.74 | 23 | 42 | 287 | 30.7 | 8.41 |
| 530407875 | PREDICTED: RNA-binding protein FUS isoform X3 [Homo sapiens] | 14.64 | 6 | 3 | 3 | 15 | 0.974 | 4 | 7.0 | 1.053 | 4 | 3.4 | 772.78 | 14.64 | 9 | 15 | 321 | 33.2 | 9.17 |
| 404211881 | obscurin isoform IC [Homo sapiens] | 3.79 | 43 | 3 | 34 | 88 | 0.974 | 2 | 12.4 | 1.398 | 2 | 28.7 | 310.94 | 3.79 | 54 | 88 | 8923 | 972.4 | 5.99 |
| 537361067 | armadillo repeat-containing protein 8 isoform 5 [Homo sapiens] | 6.67 | 8 | 1 | 5 | 14 | 0.973 | 1 |  | 1.155 | 1 |  | 26.71 | 6.67 | 11 | 14 | 600 | 67.1 | 6.73 |
| 78191798 | plasma kallikrein preproprotein [Homo sapiens] | 31.97 | 3 | 16 | 18 | 80 | 0.973 | 22 | 7.9 | 1.299 | 21 | 13.3 | 2269.15 | 31.97 | 51 | 80 | 638 | 71.3 | 8.22 |
| 320202986 | alcohol dehydrogenase [NADP(+)] [Homo sapiens] | 49.54 | 5 | 11 | 14 | 50 | 0.973 | 14 | 3.5 | 1.241 | 13 | 8.7 | 1959.97 | 49.54 | 35 | 50 | 325 | 36.5 | 6.79 |
| 578831012 | PREDICTED: hematological and neurological expressed 1 protein isoform X1 [Homo sapiens] | 28.11 | 5 | 2 | 3 | 10 | 0.973 | 3 | 5.9 | 1.129 | 3 | 8.5 | 312.21 | 28.11 | 7 | 10 | 185 | 19.4 | 8.48 |
| 38158015 | mastermind-like protein 3 [Homo sapiens] | 1.50 | 1 | 1 | 2 | 3 | 0.973 | 1 |  | 1.156 | 1 |  | 25.71 | 1.50 | 2 | 3 | 1133 | 121.6 | 7.52 |
| 55956899 | keratin, type I cytoskeletal 9 [Homo sapiens] | 30.34 | 2 | 6 | 10 | 37 | 0.973 | 6 | 10.6 | 1.095 | 6 | 3.6 | 1237.10 | 30.34 | 26 | 37 | 623 | 62.0 | 5.24 |
| 530394359 | PREDICTED: mini-chromosome maintenance complex-binding protein isoform X1 [Homo sapien | 1.36 | 3 | 1 | 1 | 12 | 0.973 | 3 | 8.4 | 1.114 | 3 | 2.4 | 88.75 | 1.36 | 2 | 12 | 587 | 66.5 | 5.95 |
| 578814467 | PREDICTED: tyrosine-protein phosphatase non-receptor type 12 isoform X2 [Homo sapiens] | 4.41 | 5 | 2 | 3 | 7 | 0.973 | 2 | 5.4 | 0.984 | 2 | 1.4 | 157.54 | 4.41 | 7 | 7 | 748 | 84.4 | 5.60 |
| 44890052 | stathmin isoform a [Homo sapiens] | 45.64 | 5 | 6 | 9 | 29 | 0.973 | 8 | 6.2 | 1.174 | 8 | 4.2 | 928.66 | 45.64 | 23 | 29 | 149 | 17.3 | 5.97 |
| 530425819 | PREDICTED: adipocyte plasma membrane-associated protein isoform X1 [Homo sapiens] | 21.11 | 2 | 4 | 5 | 15 | 0.973 | 4 | 7.7 | 1.226 | 4 | 15.8 | 392.40 | 21.11 | 15 | 15 | 289 | 32.1 | 5.85 |
| 7661862 | protein phosphatase 1F [Homo sapiens] | 16.52 | 1 | 2 | 5 | 25 | 0.973 | 6 | 5.1 | 1.114 | 6 | 11.1 | 704.77 | 16.52 | 9 | 25 | 454 | 49.8 | 5.10 |
| 112382370 | folate receptor gamma precursor [Homo sapiens] | 15.51 | 3 | 2 | 4 | 8 | 0.973 | 2 | 4.6 | 1.003 | 2 | 3.7 | 166.23 | 15.51 | 7 | 8 | 245 | 27.9 | 7.66 |
| 19920317 | cytoskeleton-associated protein 4 [Homo sapiens] | 3.49 | 1 | 1 | 2 | 6 | 0.972 | 1 |  | 1.205 | 1 |  | 166.79 | 3.49 | 6 | 6 | 602 | 66.0 | 5.92 |
| 27886588 | protein-tyrosine kinase 2-beta isoform b [Homo sapiens] | 10.96 | 3 | 3 | 10 | 20 | 0.972 | 3 | 1.5 | 1.155 | 3 | 9.3 | 173.40 | 10.96 | 17 | 20 | 967 | 111.1 | 5.91 |
| 4502165 | apolipoprotein F precursor [Homo sapiens] | 7.36 | 1 | 1 | 2 | 8 | 0.972 | 2 | 3.0 | 1.078 | 2 | 32.5 | 270.53 | 7.36 | 4 | 8 | 326 | 35.4 | 5.64 |
| 530414265 | PREDICTED: cytosolic non-specific dipeptidase isoform X2 [Homo sapiens] | 17.05 | 2 | 5 | 6 | 21 | 0.972 | 7 | 3.7 | 1.131 | 7 | 21.4 | 587.93 | 17.05 | 15 | 21 | 475 | 52.8 | 5.97 |
| 578799625 | PREDICTED: NAD kinase isoform X5 [Homo sapiens] | 19.50 | 5 | 6 | 6 | 21 | 0.972 | 7 | 9.1 | 1.184 | 7 | 24.2 | 1118.77 | 19.50 | 18 | 21 | 359 | 39.6 | 5.80 |
| 217272894 | 116 kDa U5 small nuclear ribonucleoprotein component isoform b [Homo sapiens] | 8.86 | 4 | 2 | 8 | 28 | 0.972 | 2 | 3.2 | 1.352 | 2 | 7.9 | 694.79 | 8.86 | 14 | 28 | 937 | 105.3 | 5.22 |
| 530368297 | PREDICTED: quinone oxidoreductase PIG3 isoform X1 [Homo sapiens] | 10.70 | 2 | 2 | 3 | 7 | 0.972 | 2 | 7.6 | 1.162 | 2 | 0.6 | 152.95 | 10.70 | 7 | 7 | 243 | 26.8 | 9.13 |
| 311893345 | copine-1 isoform c [Homo sapiens] | 17.16 | 3 | 6 | 8 | 39 | 0.972 | 10 | 8.8 | 1.085 | 10 | 9.6 | 1350.95 | 17.16 | 22 | 39 | 536 | 58.9 | 5.83 |
| 10835073 | glycylpeptide N-tetradecanoyltransferase 1 [Homo sapiens] | 5.04 | 7 | 2 | 2 | 5 | 0.972 | 2 | 10.9 | 1.309 | 2 | 1.9 | 171.21 | 5.04 | 5 | 5 | 496 | 56.8 | 7.80 |
| 530365431 | PREDICTED: sorting nexin-27 isoform X4 [Homo sapiens] | 8.45 | 5 | 1 | 3 | 6 | 0.972 | 1 |  | 1.049 | 1 |  | 108.21 | 8.45 | 5 | 6 | 355 | 41.8 | 6.79 |
| 19913408 | DNA topoisomerase 2-beta [Homo sapiens] | 4.63 | 2 | 1 | 7 | 25 | 0.972 | 1 |  | 1.589 | 1 |  | 138.52 | 4.63 | 13 | 25 | 1621 | 182.5 | 8.06 |
| 194688149 | serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform isoform 3 [Homo sapie | 6.82 | 10 | 3 | 4 | 12 | 0.971 | 2 | 3.0 | 1.215 | 2 | 3.9 | 204.83 | 6.82 | 12 | 12 | 469 | 52.6 | 6.23 |
| 545479138 | cell division cycle and apoptosis regulator protein 1 isoform b [Homo sapiens] | 5.55 | 2 | 1 | 8 | 40 | 0.971 | 1 |  | **9.580** | 1 |  | 61.08 | 5.55 | 15 | 40 | 1135 | 131.0 | 5.76 |
| 6466450 | catechol O-methyltransferase isoform S-COMT [Homo sapiens] | 6.79 | 2 | 1 | 1 | 3 | 0.971 | 1 |  | 0.998 | 1 |  | 238.11 | 6.79 | 3 | 3 | 221 | 24.4 | 5.33 |
| 4885375 | histone H1.2 [Homo sapiens] | 58.69 | 38 | 6 | 19 | 317 | 0.971 | 12 | 2.9 | 1.078 | 12 | 5.0 | 12355.37 | 58.69 | 55 | 317 | 213 | 21.4 | 10.93 |
| 4503047 | cysteine-rich protein 1 [Homo sapiens] | 10.39 | 1 | 1 | 1 | 1 | 0.971 | 1 |  | 1.105 | 1 |  | 26.74 | 10.39 | 1 | 1 | 77 | 8.5 | 8.75 |
| 4503143 | cathepsin D preproprotein [Homo sapiens] | 25.73 | 1 | 5 | 9 | 46 | 0.971 | 10 | 6.3 | 1.141 | 10 | 15.6 | 1329.52 | 25.73 | 24 | 46 | 412 | 44.5 | 6.54 |
| 178557739 | complement C4-B preproprotein [Homo sapiens] | 73.45 | 21 | 4 | 105 | 1646 | 0.971 | 29 | 8.9 | 1.317 | 28 | 35.1 | 60080.02 | 73.45 | 306 | 1646 | 1744 | 192.6 | 7.27 |
| 54112121 | splicing factor 3B subunit 3 [Homo sapiens] | 4.44 | 1 | 3 | 5 | 13 | 0.971 | 3 | 2.4 | 1.605 | 3 | 8.4 | 365.26 | 4.44 | 11 | 13 | 1217 | 135.5 | 5.26 |
| 6006001 | glutathione peroxidase 3 precursor [Homo sapiens] | 22.12 | 1 | 5 | 5 | 34 | 0.971 | 12 | 8.0 | 1.231 | 12 | 5.4 | 775.80 | 22.12 | 15 | 34 | 226 | 25.5 | 8.13 |
| 21464101 | 14-3-3 protein gamma [Homo sapiens] | 57.89 | 1 | 8 | 16 | 189 | 0.971 | 19 | 9.2 | 1.117 | 19 | 13.0 | 4895.96 | 57.89 | 47 | 189 | 247 | 28.3 | 4.89 |
| 530389397 | PREDICTED: protein LYRIC isoform X2 [Homo sapiens] | 5.10 | 4 | 1 | 3 | 6 | 0.971 | 1 |  | 0.966 | 1 |  | 168.37 | 5.10 | 5 | 6 | 549 | 60.1 | 9.48 |
| 50592994 | thioredoxin isoform 1 [Homo sapiens] | 55.24 | 3 | 5 | 5 | 84 | 0.971 | 25 | 10.4 | 1.172 | 25 | 20.6 | 2657.35 | 55.24 | 15 | 84 | 105 | 11.7 | 4.92 |
| 4502643 | T-complex protein 1 subunit zeta isoform a [Homo sapiens] | 28.06 | 7 | 11 | 12 | 85 | 0.971 | 29 | 7.3 | 1.246 | 29 | 10.1 | 3160.48 | 28.06 | 33 | 85 | 531 | 58.0 | 6.68 |
| 169636428 | calicin [Homo sapiens] | 2.89 | 1 | 1 | 3 | 10 | 0.970 | 1 |  | 1.924 | 1 |  | 57.22 | 2.89 | 7 | 10 | 588 | 66.5 | 8.18 |
| 23110942 | proteasome subunit alpha type-5 isoform 1 [Homo sapiens] | 32.37 | 2 | 4 | 6 | 33 | 0.970 | 9 | 6.2 | 1.200 | 9 | 23.1 | 1231.60 | 32.37 | 16 | 33 | 241 | 26.4 | 4.79 |
| 578815984 | PREDICTED: arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1 isofor | 3.44 | 7 | 1 | 4 | 10 | 0.970 | 1 |  | 1.151 | 1 |  | 48.09 | 3.44 | 8 | 10 | 1076 | 119.4 | 7.74 |
| 22027538 | programmed cell death 6-interacting protein isoform 1 [Homo sapiens] | 33.99 | 3 | 16 | 21 | 93 | 0.970 | 27 | 7.4 | 1.152 | 24 | 16.5 | 3078.16 | 33.99 | 52 | 93 | 868 | 96.0 | 6.52 |
| 578811290 | PREDICTED: PDZ and LIM domain protein 7 isoform X5 [Homo sapiens] | 9.57 | 6 | 1 | 2 | 7 | 0.970 | 2 | 1.9 | 1.207 | 2 | 1.8 | 230.81 | 9.57 | 4 | 7 | 188 | 21.1 | 9.66 |
| 578832229 | PREDICTED: lethal(3)malignant brain tumor-like protein 4 isoform X6 [Homo sapiens] | 1.14 | 4 | 1 | 1 | 4 | 0.970 | 2 | 0.1 | 1.210 | 2 | 1.9 | 29.04 | 1.14 | 1 | 4 | 527 | 60.1 | 7.39 |
| 578802655 | PREDICTED: SET and MYND domain-containing protein 5 isoform X2 [Homo sapiens] | 7.97 | 4 | 1 | 4 | 7 | 0.970 | 1 |  | 1.189 | 1 |  | 32.32 | 7.97 | 6 | 7 | 389 | 44.4 | 5.00 |
| 578803564 | PREDICTED: nuclear body protein SP140 isoform X11 [Homo sapiens] | 8.88 | 21 | 2 | 7 | 19 | 0.970 | 1 |  | 0.879 | 1 |  | 45.34 | 8.88 | 9 | 19 | 845 | 95.4 | 5.11 |
| 578811443 | PREDICTED: dynein heavy chain 8, axonemal isoform X1 [Homo sapiens] | 4.67 | 27 | 1 | 26 | 131 | 0.970 | 1 |  | 1.967 | 1 |  | 680.50 | 4.67 | 43 | 131 | 4707 | 538.3 | 6.13 |
| 221316634 | LIM domain only protein 7 isoform 2 [Homo sapiens] | 1.16 | 15 | 1 | 2 | 4 | 0.969 | 1 |  | 1.151 | 1 |  | 30.23 | 1.16 | 4 | 4 | 1385 | 158.1 | 6.29 |
| 156627579 | tetranectin precursor [Homo sapiens] | 48.02 | 2 | 6 | 8 | 33 | 0.969 | 9 | 8.6 | 1.296 | 9 | 31.0 | 1238.24 | 48.02 | 20 | 33 | 202 | 22.5 | 5.67 |
| 578817662 | PREDICTED: 72 kDa inositol polyphosphate 5-phosphatase isoform X2 [Homo sapiens] | 4.59 | 3 | 1 | 3 | 5 | 0.969 | 1 |  | 1.106 | 1 |  | 51.07 | 4.59 | 3 | 5 | 610 | 66.2 | 8.90 |
| 14149680 | extended synaptotagmin-1 isoform 2 [Homo sapiens] | 4.98 | 2 | 2 | 6 | 15 | 0.969 | 2 | 2.4 | 1.121 | 2 | 0.5 | 308.60 | 4.98 | 14 | 15 | 1104 | 122.8 | 5.83 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 578831699 | PREDICTED: UPF0378 protein KIAA0100 isoform X2 [Homo sapiens] | 5.93 | 3 | 1 | 13 | 28 | 0.969 | 1 | | | | | 45.58 | 5.93 | 13 | 28 | 2092 | 237.2 | 6.99 |
| 4503771 | protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha [Homo sapiens] | 16.62 | 1 | 2 | 5 | 40 | 0.969 | 3 | 8.5 | 1.443 | 3 | 15.6 | 111.25 | 16.62 | 13 | 40 | 379 | 44.4 | 5.08 |
| 379698844 | coiled-coil domain-containing protein 51 isoform 2 [Homo sapiens] | 7.62 | 2 | 2 | 3 | 5 | 0.969 | 2 | 1.5 | 1.358 | 2 | 43.6 | 46.73 | 7.62 | 5 | 5 | 302 | 33.6 | 6.96 |
| 118402586 | lactoylglutathione lyase [Homo sapiens] | 46.74 | 1 | 9 | 9 | 37 | 0.969 | 12 | 9.6 | 1.039 | 12 | 13.9 | 845.93 | 46.74 | 25 | 37 | 184 | 20.8 | 5.31 |
| 530407070 | PREDICTED: tyrosine-protein kinase Fes/Fps isoform X6 [Homo sapiens] | 8.11 | 4 | 2 | 8 | 45 | 0.969 | 7 | 2.4 | 1.287 | 7 | 18.7 | 421.22 | 8.11 | 16 | 45 | 752 | 85.4 | 6.90 |
| 11056044 | inorganic pyrophosphatase [Homo sapiens] | 24.57 | 1 | 5 | 6 | 22 | 0.968 | 6 | 6.6 | 1.076 | 6 | 2.8 | 599.11 | 24.57 | 16 | 22 | 289 | 32.6 | 5.86 |
| 4757804 | copper transport protein ATOX1 [Homo sapiens] | 32.35 | 7 | 3 | 3 | 14 | 0.968 | 5 | 5.6 | 1.344 | 5 | 22.3 | 158.80 | 32.35 | 8 | 14 | 68 | 7.4 | 7.24 |
| 27754778 | ficolin-3 isoform 2 precursor [Homo sapiens] | 25.35 | 2 | 6 | 6 | 36 | 0.968 | 12 | 5.6 | 1.138 | 12 | 20.4 | 1030.16 | 25.35 | 18 | 36 | 288 | 31.7 | 6.84 |
| 40789306 | protein ZNF365 isoform C [Homo sapiens] | 3.46 | 2 | 1 | 2 | 3 | 0.968 | 1 | | 1.114 | 1 | | 29.53 | 3.46 | 3 | 3 | 462 | 52.5 | 6.77 |
| 38788372 | intron-binding protein aquarius [Homo sapiens] | 3.70 | 1 | 1 | 6 | 9 | 0.968 | 1 | | 1.132 | 1 | | 19.98 | 3.70 | 9 | 9 | 1485 | 171.2 | 6.37 |
| 19913416 | AP-2 complex subunit alpha-1 isoform 2 [Homo sapiens] | 13.40 | 2 | 3 | 12 | 28 | 0.968 | 3 | 4.3 | 1.042 | 3 | 3.1 | 660.27 | 13.40 | 23 | 28 | 955 | 105.3 | 7.66 |
| 64762445 | 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 isoform b [Homo sapiens] | 6.16 | 5 | 1 | 3 | 5 | 0.968 | 1 | | 1.110 | 1 | | 149.59 | 6.16 | 5 | 5 | 471 | 54.4 | 7.56 |
| 154355000 | far upstream element-binding protein 2 [Homo sapiens] | 7.31 | 2 | 1 | 5 | 15 | 0.968 | 1 | | 0.918 | 1 | | 70.12 | 7.31 | 9 | 15 | 711 | 73.1 | 7.30 |
| 662033927 | astrocytic phosphoprotein PEA-15 isoform c [Homo sapiens] | 9.26 | 3 | 1 | 1 | 3 | 0.968 | 1 | | 1.063 | 1 | | 175.23 | 9.26 | 3 | 3 | 108 | 12.5 | 5.17 |
| 93277088 | mediator of RNA polymerase II transcription subunit 12-like protein [Homo sapiens] | 2.70 | 2 | 1 | 7 | 21 | 0.967 | 1 | | 1.023 | 1 | | 71.39 | 2.70 | 12 | 21 | 2145 | 240.0 | 7.77 |
| 24234688 | stress-70 protein, mitochondrial precursor [Homo sapiens] | 8.39 | 1 | 1 | 6 | 22 | 0.967 | 1 | | 1.057 | 1 | | 113.40 | 8.39 | 12 | 22 | 679 | 73.6 | 6.16 |
| 530412652 | PREDICTED: HEAT repeat-containing protein 6 isoform X2 [Homo sapiens] | 1.18 | 2 | 1 | 2 | 8 | 0.967 | 2 | 0.7 | 1.025 | 2 | 3.4 | 95.14 | 1.18 | 5 | 8 | 1013 | 110.2 | 7.23 |
| 148612803 | keratin, type II cytoskeletal 74 [Homo sapiens] | 13.42 | 9 | 1 | 11 | 33 | 0.967 | 1 | | 1.434 | 1 | | 243.06 | 13.42 | 21 | 33 | 529 | 57.8 | 7.71 |
| 530361304 | PREDICTED: ribosomal protein S6 kinase alpha-1 isoform X2 [Homo sapiens] | 4.04 | 17 | 2 | 3 | 6 | 0.967 | 2 | 4.4 | 1.459 | 2 | 18.1 | 137.53 | 4.04 | 6 | 6 | 643 | 72.7 | 8.25 |
| 148727247 | ubiquitin carboxyl-terminal hydrolase 5 isoform 2 [Homo sapiens] | 4.31 | 2 | 2 | 3 | 14 | 0.967 | 2 | 5.9 | 0.871 | 2 | 17.0 | 160.93 | 4.31 | 8 | 14 | 835 | 93.2 | 5.08 |
| 578826513 | PREDICTED: putative V-set and immunoglobulin domain-containing-like protein IGHV4OR15-8- | 19.69 | 2 | 1 | 3 | 165 | 0.967 | 3 | 1.0 | 1.136 | 3 | 1.0 | 8808.59 | 19.69 | 8 | 165 | 127 | 14.1 | 8.84 |
| 56237029 | integrin alpha-5 precursor [Homo sapiens] | 1.05 | 1 | 1 | 1 | 9 | 0.967 | 1 | | 1.730 | 1 | | 19.36 | 1.05 | 1 | 9 | 1049 | 114.5 | 5.77 |
| 8922601 | ADP-ribosylation factor-like protein 8B [Homo sapiens] | 4.84 | 1 | 1 | 1 | 3 | 0.966 | 1 | | 1.017 | 1 | | 164.11 | 4.84 | 3 | 3 | 186 | 21.5 | 8.43 |
| 4506209 | 26S protease regulatory subunit 7 isoform 1 [Homo sapiens] | 11.55 | 2 | 4 | 5 | 15 | 0.966 | 4 | 8.1 | 1.234 | 4 | 14.7 | 384.49 | 11.55 | 13 | 15 | 433 | 48.6 | 5.95 |
| 18141299 | zinc finger and BTB domain-containing protein 26 [Homo sapiens] | 2.27 | 1 | 1 | 1 | 3 | 0.966 | 3 | 10.6 | **2.899** | 1 | | 61.58 | 2.27 | 1 | 3 | 441 | 49.9 | 7.08 |
| 11386157 | cytidine deaminase [Homo sapiens] | 86.99 | 1 | 6 | 6 | 48 | 0.966 | 14 | 8.5 | 1.540 | 10 | 29.0 | 1414.08 | 86.99 | 18 | 48 | 146 | 16.2 | 6.92 |
| 530413109 | PREDICTED: hepatocyte growth factor-regulated tyrosine kinase substrate isoform X1 [Homo s | 7.42 | 2 | 1 | 8 | 19 | 0.966 | 2 | 4.6 | 1.399 | 2 | 13.6 | 216.98 | 7.42 | 14 | 19 | 768 | 85.2 | 6.06 |
| 7706757 | V-type proton ATPase subunit D [Homo sapiens] | 12.15 | 1 | 1 | 3 | 7 | 0.966 | 1 | | 1.227 | 1 | | 74.98 | 12.15 | 7 | 7 | 247 | 28.2 | 9.36 |
| 28558975 | mediator of RNA polymerase II transcription subunit 17 [Homo sapiens] | 4.45 | 1 | 1 | 3 | 5 | 0.966 | 1 | | | | | 33.48 | 4.45 | 3 | 5 | 651 | 72.8 | 7.44 |
| 38202255 | threonine--tRNA ligase, cytoplasmic isoform 1 [Homo sapiens] | 6.22 | 4 | 4 | 6 | 21 | 0.966 | 4 | 4.7 | 1.216 | 4 | 15.2 | 167.25 | 6.22 | 13 | 21 | 723 | 83.4 | 6.67 |
| 110227598 | phospholipase B-like 1 precursor [Homo sapiens] | 34.36 | 1 | 11 | 13 | 95 | 0.966 | 24 | 8.3 | 1.159 | 23 | 12.9 | 2123.81 | 34.36 | 37 | 95 | 553 | 63.2 | 9.06 |
| 170932494 | syntaxin-7 [Homo sapiens] | 22.61 | 1 | 4 | 5 | 17 | 0.966 | 5 | 4.3 | 1.217 | 5 | 10.8 | 913.36 | 22.61 | 12 | 17 | 261 | 29.8 | 5.55 |
| 34734066 | fibulin-1 isoform D precursor [Homo sapiens] | 17.78 | 4 | 9 | 9 | 33 | 0.966 | 12 | 5.8 | 1.077 | 12 | 10.8 | 1114.54 | 17.78 | 25 | 33 | 703 | 77.2 | 5.26 |
| 47132587 | protein kinase C delta-binding protein [Homo sapiens] | 14.56 | 1 | 1 | 5 | 9 | 0.965 | 1 | | 1.067 | 1 | | 27.91 | 14.56 | 6 | 9 | 261 | 27.7 | 6.43 |
| 223972612 | protein cramped-like [Homo sapiens] | 2.44 | 1 | 1 | 4 | 5 | 0.965 | 1 | | 1.368 | 1 | | 29.07 | 2.44 | 4 | 5 | 1269 | 134.6 | 7.87 |
| 530393330 | PREDICTED: zinc finger SWIM domain-containing protein 8 isoform X8 [Homo sapiens] | 1.00 | 10 | 1 | 2 | 10 | 0.965 | 3 | 5.9 | 1.721 | 3 | 9.8 | 154.06 | 1.00 | 4 | 10 | 1800 | 193.4 | 6.99 |
| 40353764 | bisphosphoglycerate mutase [Homo sapiens] | 34.36 | 1 | 6 | 6 | 23 | 0.965 | 8 | 10.0 | 1.135 | 8 | 15.8 | 701.08 | 34.36 | 17 | 23 | 259 | 30.0 | 6.54 |
| 162329583 | cleavage and polyadenylation specificity factor subunit 6 [Homo sapiens] | 8.35 | 4 | 1 | 4 | 25 | 0.965 | 1 | | 1.052 | 1 | | 281.64 | 8.35 | 10 | 25 | 551 | 59.2 | 7.15 |
| 5454096 | serine/threonine-protein kinase 4 [Homo sapiens] | 20.53 | 5 | 4 | 8 | 36 | 0.965 | 4 | 5.5 | 1.020 | 4 | 23.6 | 502.15 | 20.53 | 20 | 36 | 487 | 55.6 | 5.07 |
| 5453607 | T-complex protein 1 subunit eta isoform a [Homo sapiens] | 22.84 | 4 | 8 | 9 | 47 | 0.965 | 12 | 10.1 | 1.138 | 12 | 22.5 | 1168.15 | 22.84 | 23 | 47 | 543 | 59.3 | 7.65 |
| 4557701 | keratin, type I cytoskeletal 17 [Homo sapiens] | 41.44 | 14 | 6 | 19 | 69 | 0.965 | 6 | 5.0 | 1.126 | 6 | 13.1 | 1692.72 | 41.44 | 48 | 69 | 432 | 48.1 | 5.02 |
| 7706563 | ras-related protein Rab-8B [Homo sapiens] | 30.92 | 22 | 2 | 6 | 39 | 0.964 | 4 | 8.7 | 1.178 | 4 | 6.7 | 1726.82 | 30.92 | 18 | 39 | 207 | 23.6 | 9.07 |
| 578814724 | PREDICTED: maltase-glucoamylase, intestinal isoform X1 [Homo sapiens] | 4.07 | 3 | 3 | 6 | 12 | 0.964 | 3 | 17.6 | 1.355 | 3 | 80.3 | 306.33 | 4.07 | 12 | 12 | 2753 | 311.8 | 5.41 |
| 578808151 | PREDICTED: alpha-L-iduronidase isoform X2 [Homo sapiens] | 1.73 | 3 | 1 | 1 | 1 | 0.964 | 1 | | **2.067** | 1 | | 20.12 | 1.73 | 1 | 1 | 521 | 57.8 | 8.82 |
| 530412093 | PREDICTED: interferon-induced 35 kDa protein isoform X1 [Homo sapiens] | 26.57 | 2 | 8 | 10 | 43 | 0.964 | 10 | 3.3 | 1.133 | 10 | 21.5 | 972.89 | 26.57 | 27 | 43 | 286 | 31.5 | 6.09 |
| 530365262 | PREDICTED: protein S100-A7 isoform X1 [Homo sapiens] | 66.34 | 1 | 5 | 9 | 162 | 0.964 | 19 | 8.2 | 1.137 | 19 | 6.5 | 5485.19 | 66.34 | 26 | 162 | 101 | 11.5 | 6.77 |
| 530403277 | PREDICTED: apoptotic chromatin condensation inducer in the nucleus isoform X4 [Homo sapier | 6.86 | 19 | 1 | 5 | 15 | 0.964 | 1 | | 1.041 | 1 | | 72.97 | 6.86 | 9 | 15 | 583 | 67.5 | 7.59 |
| 392513662 | interleukin enhancer-binding factor 2 isoform 2 [Homo sapiens] | 18.47 | 2 | 2 | 3 | 15 | 0.964 | 4 | 1.9 | 1.200 | 3 | 21.4 | 399.61 | 18.47 | 8 | 15 | 352 | 38.9 | 4.94 |
| 311771547 | RBM14-RBM4 protein isoform 2 [Homo sapiens] | 18.64 | 5 | 1 | 2 | 8 | 0.964 | 2 | 0.8 | 1.046 | 2 | 16.3 | 245.76 | 18.64 | 5 | 8 | 118 | 12.9 | 8.21 |
| 578808923 | PREDICTED: protein transport protein Sec31A isoform X23 [Homo sapiens] | 7.58 | 12 | 2 | 6 | 11 | 0.964 | 2 | 12.8 | 1.114 | 2 | 14.7 | 215.14 | 7.58 | 9 | 11 | 897 | 99.1 | 6.80 |
| 4506017 | serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform [Homo sapiens] | 44.66 | 5 | 7 | 7 | 30 | 0.963 | 9 | 8.1 | 1.153 | 9 | 17.0 | 1117.08 | 44.66 | 20 | 30 | 309 | 35.6 | 5.54 |
| 4557395 | carbonic anhydrase 2 isoform 1 [Homo sapiens] | 67.31 | 2 | 11 | 12 | 106 | 0.963 | 32 | 8.8 | 1.052 | 32 | 8.1 | 4440.98 | 67.31 | 34 | 106 | 260 | 29.2 | 7.40 |
| 530366071 | PREDICTED: BRO1 domain-containing protein BROX isoform X5 [Homo sapiens] | 10.67 | 6 | 1 | 7 | 23 | 0.963 | 1 | | 1.217 | 1 | | 72.50 | 10.67 | 16 | 23 | 356 | 40.3 | 7.17 |
| 262263314 | cystatin-F precursor [Homo sapiens] | 4.83 | 1 | 1 | 1 | 5 | 0.963 | 2 | 7.3 | 1.496 | 2 | 64.0 | 144.11 | 4.83 | 3 | 5 | 145 | 16.4 | 8.48 |
| 11067747 | cell division cycle 5-like protein [Homo sapiens] | 5.86 | 12 | 1 | 6 | 34 | 0.963 | 1 | | 1.436 | 1 | | 83.02 | 5.86 | 10 | 34 | 802 | 92.2 | 8.18 |
| 300244560 | cysteine-rich secretory protein 3 isoform 1 precursor [Homo sapiens] | 39.15 | 2 | 6 | 8 | 37 | 0.963 | 11 | 6.5 | 1.118 | 11 | 15.0 | 784.70 | 39.15 | 21 | 37 | 258 | 29.0 | 7.80 |
| 118601081 | heterogeneous nuclear ribonucleoprotein U-like protein 2 [Homo sapiens] | 21.82 | 8 | 10 | 14 | 48 | 0.963 | 10 | 4.9 | 1.163 | 10 | 12.7 | 1314.91 | 21.82 | 35 | 48 | 747 | 85.1 | 4.91 |
| 578819487 | PREDICTED: mannose-binding protein C isoform X3 [Homo sapiens] | 18.15 | 3 | 2 | 5 | 11 | 0.962 | 2 | 2.5 | 1.333 | 2 | 31.5 | 102.65 | 18.15 | 11 | 11 | 248 | 26.1 | 5.49 |
| 118582255 | ATP-binding cassette sub-family C member 8 isoform 2 [Homo sapiens] | 2.72 | 3 | 1 | 6 | 30 | 0.962 | 3 | 0.1 | 1.157 | 3 | 6.3 | 232.54 | 2.72 | 9 | 30 | 1581 | 176.9 | 7.81 |
| 14277700 | 40S ribosomal protein S12 [Homo sapiens] | 6.06 | 1 | 1 | 1 | 3 | 0.962 | 1 | | 1.192 | 1 | | 121.99 | 6.06 | 3 | 3 | 132 | 14.5 | 7.21 |
| 4502955 | collagen alpha-5(IV) chain isoform 1 precursor [Homo sapiens] | 1.78 | 4 | 1 | 3 | 8 | 0.962 | 1 | | 1.547 | 1 | | 41.58 | 1.78 | 3 | 8 | 1685 | 160.9 | 7.62 |
| 4557892 | phosphatidylcholine-sterol acyltransferase precursor [Homo sapiens] | 7.27 | 1 | 2 | 3 | 8 | 0.962 | 2 | 9.8 | 1.707 | 2 | 29.6 | 292.41 | 7.27 | 7 | 8 | 440 | 49.5 | 6.11 |
| 530375762 | PREDICTED: carboxypeptidase N subunit 2 isoform X1 [Homo sapiens] | 31.19 | 1 | 11 | 11 | 73 | 0.962 | 18 | 5.0 | 1.239 | 18 | 23.6 | 1905.22 | 31.19 | 33 | 73 | 545 | 60.5 | 5.99 |
| 13676857 | heat shock-related 70 kDa protein 2 [Homo sapiens] | 22.54 | 1 | 1 | 14 | 207 | 0.961 | 1 | | 1.096 | 1 | | 6169.50 | 22.54 | 37 | 207 | 639 | 70.0 | 5.74 |
| 4502951 | collagen alpha-1(III) chain preproprotein [Homo sapiens] | 7.30 | 1 | 5 | 8 | 22 | 0.961 | 6 | 7.5 | 1.119 | 6 | 7.9 | 1037.12 | 7.30 | 19 | 22 | 1466 | 138.5 | 6.57 |
| 578825257 | PREDICTED: DNA ligase 4 isoform X4 [Homo sapiens] | 5.71 | 8 | 1 | 4 | 7 | 0.961 | 2 | 7.6 | 1.208 | 2 | 1.1 | 35.03 | 5.71 | 4 | 7 | 911 | 103.9 | 7.96 |
| 212549536 | regulator of G-protein signaling protein-like [Homo sapiens] | 7.53 | 5 | 1 | 11 | 34 | 0.961 | 1 | | 1.244 | 1 | | 40.44 | 7.53 | 20 | 34 | 1076 | 125.6 | 9.01 |
| 22538442 | cathepsin Z preproprotein [Homo sapiens] | 25.08 | 1 | 3 | 6 | 15 | 0.961 | 4 | 8.9 | 1.226 | 4 | 5.5 | 475.01 | 25.08 | 12 | 15 | 303 | 33.8 | 7.11 |
| 4507467 | transforming growth factor-beta-induced protein ig-h3 precursor [Homo sapiens] | 40.12 | 1 | 16 | 21 | 139 | 0.961 | 35 | 9.3 | 1.259 | 35 | 19.2 | 4376.12 | 40.12 | 53 | 139 | 683 | 74.6 | 7.71 |
| 189217897 | syntaxin-binding protein 5 isoform a [Homo sapiens] | 1.26 | 3 | 1 | 1 | 3 | 0.960 | 1 | | 1.212 | 1 | | 60.84 | 1.26 | 3 | 3 | 1115 | 123.4 | 7.11 |
| 4503515 | eukaryotic translation initiation factor 3 subunit H [Homo sapiens] | 11.65 | 1 | 2 | 4 | 10 | 0.960 | 2 | 7.4 | 1.155 | 2 | 3.1 | 88.92 | 11.65 | 7 | 10 | 352 | 39.9 | 6.54 |
| 57013276 | tubulin alpha-1B chain [Homo sapiens] | 48.34 | 11 | 4 | 16 | 144 | 0.960 | 7 | 5.8 | 1.212 | 7 | 18.7 | 4669.63 | 48.34 | 47 | 144 | 451 | 50.1 | 5.06 |
| 32130518 | apolipoprotein C-II precursor [Homo sapiens] | 34.65 | 1 | 2 | 2 | 10 | 0.960 | 3 | 4.6 | 1.159 | 3 | 37.7 | 371.99 | 34.65 | 6 | 10 | 101 | 11.3 | 4.72 |
| 530387555 | PREDICTED: proline synthase co-transcribed bacterial homolog protein isoform X1 [Homo sapie | 22.78 | 2 | 2 | 3 | 36 | 0.960 | 4 | 3.6 | 1.168 | 4 | 12.2 | 415.87 | 22.78 | 8 | 36 | 158 | 17.6 | 10.13 |
| 47078295 | adenosine deaminase [Homo sapiens] | 11.29 | 3 | 2 | 4 | 10 | 0.959 | 2 | 0.8 | 1.329 | 2 | 2.6 | 197.55 | 11.29 | 10 | 10 | 363 | 40.7 | 5.95 |
| 7706441 | vacuolar protein sorting-associated protein 29 isoform 1 [Homo sapiens] | 41.76 | 5 | 4 | 6 | 16 | 0.959 | 4 | 3.9 | 0.984 | 4 | 29.5 | 417.98 | 41.76 | 15 | 16 | 182 | 20.5 | 6.79 |
| 11415026 | 60S ribosomal protein L18a [Homo sapiens] | 7.39 | 1 | 1 | 1 | 3 | 0.959 | 1 | | 1.401 | 1 | | 178.72 | 7.39 | 3 | 3 | 176 | 20.7 | 10.71 |
| 201860300 | AH receptor-interacting protein [Homo sapiens] | 3.94 | 1 | 1 | 2 | 5 | 0.959 | 1 | | 1.018 | 1 | | 87.91 | 3.94 | 3 | 5 | 330 | 37.6 | 6.29 |
| 148727341 | serine-threonine kinase receptor-associated protein [Homo sapiens] | 9.43 | 2 | 2 | 3 | 6 | 0.959 | 2 | 7.8 | 1.259 | 2 | 21.8 | 185.43 | 9.43 | 6 | 6 | 350 | 38.4 | 5.12 |
| 21361144 | 26S protease regulatory subunit 6A [Homo sapiens] | 23.23 | 1 | 4 | 8 | 62 | 0.959 | 9 | 13.7 | 1.034 | 8 | 12.2 | 854.53 | 23.23 | 18 | 62 | 439 | 49.2 | 5.24 |
| 30102948 | hyaluronan and proteoglycan link protein 3 precursor [Homo sapiens] | 3.89 | 1 | 1 | 2 | 3 | 0.958 | 1 | | 1.905 | 1 | | 25.20 | 3.89 | 2 | 3 | 360 | 40.9 | 6.52 |
| 34485727 | nck-associated protein 1-like isoform 1 [Homo sapiens] | 13.13 | 2 | 2 | 11 | 23 | 0.958 | 4 | 5.4 | 1.703 | 4 | 55.9 | 879.93 | 13.13 | 17 | 23 | 1127 | 128.1 | 6.86 |
| 4507789 | ubiquitin-conjugating enzyme E2 L3 isoform 1 [Homo sapiens] | 63.64 | 3 | 5 | 6 | 44 | 0.958 | 12 | 7.1 | 1.133 | 12 | 18.0 | 1389.12 | 63.64 | 17 | 44 | 154 | 17.9 | 8.51 |
| 4502419 | flavin reductase (NADPH) [Homo sapiens] | 59.71 | 1 | 8 | 8 | 157 | 0.957 | 40 | 12.9 | 1.081 | 40 | 8.4 | 5185.96 | 59.71 | 24 | 157 | 206 | 22.1 | 7.65 |
| 4758988 | ras-related protein Rab-1A isoform 1 [Homo sapiens] | 29.76 | 22 | 1 | 6 | 45 | 0.957 | 1 | | 1.109 | 1 | | 1676.65 | 29.76 | 18 | 45 | 205 | 22.7 | 6.21 |
| 307574657 | uncharacterized protein C8orf34 isoform 1 [Homo sapiens] | 1.49 | 3 | 1 | 1 | 2 | 0.957 | 1 | | 1.187 | 1 | | 29.64 | 1.49 | 2 | 2 | 538 | 59.4 | 6.07 |
| 557948049 | GTPase-activating Rap/Ran-GAP domain-like protein 3 isoform b [Homo sapiens] | 1.72 | 5 | 1 | 2 | 7 | 0.957 | 1 | | 1.171 | 1 | | 25.06 | 1.72 | 2 | 7 | 991 | 110.2 | 7.46 |
| 47551347 | serine protease 57 precursor [Homo sapiens] | 7.42 | 1 | 1 | 1 | 3 | 0.957 | 1 | | 0.793 | 1 | | 169.98 | 7.42 | 3 | 3 | 283 | 30.3 | 9.32 |
| 530400175 | PREDICTED: amphoterin-induced protein 2 isoform X1 [Homo sapiens] | 2.68 | 1 | 1 | 2 | 25 | 0.957 | 3 | 9.2 | 1.035 | 3 | 4.7 | 33.28 | 2.68 | 2 | 25 | 522 | 57.9 | 8.40 |
| 94538320 | hydroxyacylglutathione hydrolase, mitochondrial isoform 2 [Homo sapiens] | 15.38 | 3 | 2 | 3 | 10 | 0.957 | 3 | 4.4 | 1.118 | 3 | 5.3 | 190.66 | 15.38 | 7 | 10 | 260 | 28.8 | 7.33 |
| 156231067 | TBC1 domain family member 8 [Homo sapiens] | 2.28 | 4 | 1 | 3 | 3 | 0.957 | 1 | | 1.174 | 1 | | 29.23 | 2.28 | 3 | 3 | 1140 | 130.8 | 5.52 |
| 530411822 | PREDICTED: 5-azacytidine-induced protein 1 isoform X2 [Homo sapiens] | 4.63 | 20 | 1 | 7 | 32 | 0.957 | 1 | | | | | 76.27 | 4.63 | 10 | 32 | 1080 | 121.8 | 8.69 |
| 291575165 | monocyte differentiation antigen CD14 precursor [Homo sapiens] | 29.07 | 1 | 7 | 7 | 27 | 0.957 | 9 | 5.0 | 1.049 | 9 | 27.9 | 1309.17 | 29.07 | 21 | 27 | 375 | 40.1 | 6.23 |
| 4758340 | phenylalanine--tRNA ligase alpha subunit [Homo sapiens] | 3.35 | 1 | 1 | 2 | 7 | 0.957 | 1 | | 1.477 | 1 | | 83.89 | 3.35 | 6 | 7 | 508 | 57.5 | 7.80 |
| 122937345 | unconventional myosin-Vb [Homo sapiens] | 6.39 | 1 | 2 | 15 | 144 | 0.957 | 3 | 15.0 | 0.966 | 3 | 17.1 | 970.43 | 6.39 | 24 | 144 | 1848 | 213.5 | 7.20 |
| 14165466 | polypyrimidine tract-binding protein 1 isoform c [Homo sapiens] | 22.22 | 30 | 9 | 11 | 51 | 0.956 | 10 | 8.6 | 1.172 | 10 | 15.8 | 1251.26 | 22.22 | 31 | 51 | 531 | 57.2 | 9.17 |
| 530396842 | PREDICTED: serine/threonine-protein kinase PAK 1 isoform X2 [Homo sapiens] | 13.03 | 3 | 2 | 7 | 25 | 0.956 | 2 | 3.8 | 1.017 | 2 | 10.4 | 545.40 | 13.03 | 18 | 25 | 545 | 60.6 | 5.76 |
| 156627571 | sorbitol dehydrogenase [Homo sapiens] | 7.84 | 4 | 1 | 3 | 14 | 0.956 | 1 | | 1.058 | 1 | | 268.55 | 7.84 | 7 | 14 | 357 | 38.3 | 7.97 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 378744212 | GTP-binding protein Rit1 isoform 3 [Homo sapiens] | 4.37 | 3 | 1 | 1 | 11 | 0.956 | 3 | 0.7 | 1.527 | 3 | 12.2 | 65.03 | 4.37 | 3 | 11 | 183 | 21.6 | 9.09 |
| 29826323 | alpha-adducin isoform c [Homo sapiens] | 12.68 | 12 | 3 | 7 | 20 | 0.956 | 3 | 9.6 | 1.056 | 3 | 1.7 | 246.83 | 12.68 | 16 | 20 | 631 | 69.9 | 6.46 |
| 41393614 | ras-related protein Rab-5C isoform a [Homo sapiens] | 25.00 | 4 | 2 | 4 | 18 | 0.956 | 2 | 6.5 | 1.348 | 2 | 5.1 | 545.27 | 25.00 | 12 | 18 | 216 | 23.5 | 8.41 |
| 115430223 | galectin-3 isoform 1 [Homo sapiens] | 22.40 | 2 | 5 | 5 | 41 | 0.956 | 12 | 4.6 | 1.147 | 12 | 18.8 | 1107.68 | 22.40 | 15 | 41 | 250 | 26.1 | 8.56 |
| 530420291 | PREDICTED: gamma-parvin isoform X2 [Homo sapiens] | 7.85 | 1 | 2 | 2 | 6 | 0.956 | 2 | 5.3 | 1.105 | 2 | 3.8 | 246.74 | 7.85 | 6 | 6 | 331 | 37.5 | 5.49 |
| 150170699 | kinesin-like protein KIF26A [Homo sapiens] | 2.50 | 1 | 2 | 6 | 19 | 0.956 | 2 | 1.5 | 1.156 | 1 |  | 111.05 | 2.50 | 11 | 19 | 1882 | 194.5 | 8.81 |
| 183603931 | serine/threonine-protein phosphatase 6 catalytic subunit isoform c [Homo sapiens] | 16.96 | 4 | 1 | 4 | 19 | 0.956 | 1 |  | 1.492 | 1 |  | 129.48 | 16.96 | 8 | 19 | 283 | 32.5 | 6.04 |
| 5901956 | follistatin-related protein 1 precursor [Homo sapiens] | 11.69 | 1 | 1 | 3 | 7 | 0.956 | 1 |  | 1.033 | 1 |  | 104.32 | 11.69 | 6 | 7 | 308 | 35.0 | 5.52 |
| 344179106 | ragulator complex protein LAMTOR3 isoform 2 [Homo sapiens] | 28.21 | 2 | 1 | 2 | 4 | 0.955 | 1 |  | 0.986 | 1 |  | 85.93 | 28.21 | 3 | 4 | 117 | 12.9 | 8.13 |
| 256222415 | filamin-B isoform 4 [Homo sapiens] | 4.93 | 9 | 2 | 14 | 75 | 0.955 | 3 | 2.7 | 1.209 | 3 | 1.0 | 1586.72 | 4.93 | 34 | 75 | 2578 | 275.5 | 5.78 |
| 296179399 | outer dense fiber protein 2-like isoform d [Homo sapiens] | 15.74 | 24 | 1 | 12 | 52 | 0.955 | 1 |  | **2.577** | 1 |  | 148.06 | 15.74 | 24 | 52 | 591 | 68.6 | 6.55 |
| 62241042 | bifunctional glutamate/proline--tRNA ligase [Homo sapiens] | 7.08 | 1 | 4 | 11 | 34 | 0.955 | 6 | 3.5 | 1.298 | 6 | 18.4 | 811.54 | 7.08 | 24 | 34 | 1512 | 170.5 | 7.33 |
| 21269877 | cysteine--tRNA ligase, cytoplasmic isoform a [Homo sapiens] | 7.99 | 6 | 2 | 5 | 11 | 0.955 | 2 | 3.7 | 1.056 | 2 | 1.9 | 185.86 | 7.99 | 11 | 11 | 726 | 82.8 | 7.02 |
| 5454088 | acidic leucine-rich nuclear phosphoprotein 32 family member B [Homo sapiens] | 40.24 | 13 | 4 | 11 | 78 | 0.955 | 12 | 10.1 | 1.124 | 11 | 7.0 | 2250.48 | 40.24 | 32 | 78 | 251 | 28.8 | 4.06 |
| 66529407 | tensin-1 [Homo sapiens] | 2.02 | 4 | 1 | 4 | 4 | 0.955 | 1 |  | 1.025 | 1 |  | 19.68 | 2.02 | 4 | 4 | 1735 | 185.6 | 7.75 |
| 38202257 | neutral alpha-glucosidase AB isoform 2 precursor [Homo sapiens] | 16.74 | 5 | 8 | 11 | 32 | 0.955 | 9 | 8.7 | 1.260 | 9 | 27.1 | 846.14 | 16.74 | 29 | 32 | 944 | 106.8 | 6.14 |
| 62243068 | insulin-like growth factor-binding protein 3 isoform b precursor [Homo sapiens] | 14.09 | 55 | 3 | 4 | 24 | 0.955 | 3 | 8.1 | 1.489 | 3 | 12.6 | 533.30 | 14.09 | 12 | 24 | 291 | 31.7 | 8.69 |
| 51873055 | fibulin-2 isoform b precursor [Homo sapiens] | 6.50 | 3 | 1 | 2 | 7 | 0.955 | 1 |  | 1.178 | 1 |  | 128.42 | 6.50 | 5 | 7 | 1184 | 126.5 | 4.82 |
| 578832396 | PREDICTED: trafficking protein particle complex subunit 8 isoform X4 [Homo sapiens] | 2.84 | 5 | 1 | 4 | 9 | 0.954 | 1 |  |  |  |  | 44.95 | 2.84 | 4 | 9 | 1338 | 150.1 | 6.83 |
| 195972866 | keratin, type I cytoskeletal 10 [Homo sapiens] | 34.93 | 21 | 14 | 19 | 92 | 0.954 | 27 | 15.0 | 1.054 | 27 | 6.6 | 4024.07 | 34.93 | 50 | 92 | 584 | 58.8 | 5.21 |
| 7661880 | arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 1 [Homo sapiens] | 15.00 | 2 | 5 | 9 | 41 | 0.954 | 6 | 6.7 | 1.342 | 6 | 13.4 | 728.13 | 15.00 | 21 | 41 | 740 | 81.5 | 7.66 |
| 17149853 | FK506-binding protein-like [Homo sapiens] | 4.30 | 16 | 1 | 2 | 10 | 0.954 | 1 |  | 1.389 | 1 |  | 44.31 | 4.30 | 4 | 10 | 349 | 38.2 | 5.50 |
| 31543385 | choline-phosphate cytidylyltransferase A [Homo sapiens] | 5.18 | 4 | 2 | 2 | 4 | 0.953 | 2 | 1.0 | 1.099 | 2 | 9.4 | 67.84 | 5.18 | 4 | 4 | 367 | 41.7 | 7.25 |
| 578799003 | PREDICTED: basement membrane-specific heparan sulfate proteoglycan core protein isoform X | 3.35 | 7 | 2 | 9 | 26 | 0.953 | 3 | 2.2 | 1.189 | 3 | 11.9 | 447.06 | 3.35 | 18 | 26 | 4057 | 433.5 | 6.55 |
| 22165400 | acyl-coenzyme A thioesterase 11 isoform 2 [Homo sapiens] | 5.72 | 2 | 1 | 4 | 6 | 0.953 | 1 |  | 0.981 | 1 |  | 28.99 | 5.72 | 4 | 6 | 594 | 67.1 | 7.64 |
| 56788356 | tuftelin-interacting protein 11 [Homo sapiens] | 3.58 | 1 | 1 | 4 | 14 | 0.953 | 1 |  | 1.051 | 1 |  | 35.37 | 3.58 | 8 | 14 | 837 | 96.8 | 5.67 |
| 4557485 | ceruloplasmin precursor [Homo sapiens] | 74.37 | 1 | 2 | 63 | 1125 | 0.953 | 12 | 8.2 | 1.316 | 12 | 25.8 | 38070.30 | 74.37 | 184 | 1125 | 1065 | 122.1 | 5.72 |
| 4885399 | structural maintenance of chromosomes protein 3 [Homo sapiens] | 12.24 | 7 | 2 | 16 | 103 | 0.953 | 2 | 6.7 | 1.345 | 2 | 16.4 | 477.81 | 12.24 | 30 | 103 | 1217 | 141.5 | 7.18 |
| 383872480 | ubiquitin-conjugating enzyme E2 variant 1 isoform a [Homo sapiens] | 51.18 | 12 | 3 | 10 | 50 | 0.953 | 4 | 8.8 | 1.106 | 4 | 17.7 | 749.62 | 51.18 | 28 | 50 | 170 | 19.3 | 8.54 |
| 374253794 | B-cell receptor-associated protein 31 isoform b [Homo sapiens] | 8.54 | 9 | 1 | 3 | 11 | 0.953 | 1 |  | 1.201 | 1 |  | 123.55 | 8.54 | 8 | 11 | 246 | 28.0 | 8.44 |
| 46094009 | melanoma inhibitory activity protein 2 precursor [Homo sapiens] | 2.60 | 1 | 1 | 2 | 7 | 0.953 | 2 | 15.0 | 1.881 | 2 | 48.0 | 113.04 | 2.60 | 4 | 7 | 654 | 74.0 | 4.34 |
| 578806133 | PREDICTED: hepatocyte growth factor-like protein isoform X3 [Homo sapiens] | 17.92 | 6 | 4 | 5 | 17 | 0.953 | 4 | 9.6 | 1.069 | 4 | 11.0 | 284.84 | 17.92 | 12 | 17 | 625 | 70.6 | 7.61 |
| 6912286 | caspase-14 precursor [Homo sapiens] | 14.88 | 1 | 2 | 3 | 9 | 0.953 | 2 | 8.9 | 0.994 | 2 | 8.0 | 122.57 | 14.88 | 9 | 9 | 242 | 27.7 | 5.58 |
| 109148542 | alanine--tRNA ligase, cytoplasmic [Homo sapiens] | 10.74 | 2 | 3 | 8 | 17 | 0.953 | 3 | 2.8 | 1.286 | 3 | 27.2 | 438.38 | 10.74 | 14 | 17 | 968 | 106.7 | 5.53 |
| 70780355 | ankyrin-1 isoform 2 [Homo sapiens] | 4.65 | 6 | 2 | 7 | 25 | 0.953 | 2 | 5.3 | 1.125 | 2 | 5.6 | 311.32 | 4.65 | 15 | 25 | 1719 | 188.9 | 6.62 |
| 301171467 | ATP-dependent RNA helicase DDX3X isoform 2 [Homo sapiens] | 11.50 | 6 | 1 | 6 | 25 | 0.952 | 3 | 0.1 | 1.006 | 3 | 4.9 | 451.02 | 11.50 | 11 | 25 | 661 | 73.1 | 7.18 |
| 222144309 | prenylated Rab acceptor protein 1 [Homo sapiens] | 7.03 | 10 | 1 | 2 | 27 | 0.952 | 1 |  | **2.033** | 1 |  | 89.74 | 7.03 | 6 | 27 | 185 | 20.6 | 7.34 |
| 8393638 | junctional adhesion molecule A precursor [Homo sapiens] | 4.01 | 1 | 1 | 1 | 2 | 0.952 | 2 | 3.4 |  |  |  | 54.92 | 4.01 | 1 | 2 | 299 | 32.6 | 7.90 |
| 23097308 | nesprin-1 isoform 2 [Homo sapiens] | 5.85 | 22 | 4 | 55 | 158 | 0.952 | 7 | 5.9 | 1.415 | 7 | 17.7 | 518.98 | 5.85 | 84 | 158 | 8749 | 1004.6 | 5.52 |
| 289547524 | rab11 family-interacting protein 1 isoform 3 [Homo sapiens] | 7.40 | 2 | 3 | 8 | 22 | 0.951 | 3 | 12.6 | 1.205 | 3 | 1.5 | 388.55 | 7.40 | 17 | 22 | 1283 | 137.1 | 5.43 |
| 41327771 | probable ATP-dependent RNA helicase DDX23 [Homo sapiens] | 8.29 | 1 | 1 | 7 | 17 | 0.951 | 2 | 1.9 | 1.008 | 2 | 8.3 | 180.89 | 8.29 | 13 | 17 | 820 | 95.5 | 9.55 |
| 530421644 | PREDICTED: mediator of RNA polymerase II transcription subunit 14 isoform X2 [Homo sapiens | 2.06 | 4 | 1 | 4 | 10 | 0.951 | 3 | 4.1 | **2.103** | 3 | 5.7 | 58.03 | 2.06 | 4 | 10 | 1410 | 156.3 | 8.69 |
| 98986457 | host cell factor 1 [Homo sapiens] | 2.06 | 5 | 3 | 5 | 21 | 0.951 | 3 | 2.4 | 1.093 | 3 | 1.1 | 270.14 | 2.06 | 13 | 21 | 2035 | 208.6 | 7.46 |
| 7657313 | U6 snRNA-associated Sm-like protein LSm1 [Homo sapiens] | 5.26 | 1 | 1 | 1 | 2 | 0.951 | 1 |  | 1.258 | 1 |  | 36.87 | 5.26 | 2 | 2 | 133 | 15.2 | 5.22 |
| 308737003 | origin recognition complex subunit 3 isoform 3 [Homo sapiens] | 5.99 | 5 | 1 | 2 | 6 | 0.951 | 1 |  | **2.004** | 1 |  | 29.41 | 5.99 | 2 | 6 | 568 | 65.9 | 7.62 |
| 578832501 | PREDICTED: methyl-CpG-binding domain protein 1 isoform X28 [Homo sapiens] | 9.34 | 38 | 1 | 6 | 10 | 0.951 | 1 |  | 0.870 | 1 |  | 131.85 | 9.34 | 10 | 10 | 610 | 67.5 | 9.54 |
| 5031981 | 26S proteasome non-ATPase regulatory subunit 14 [Homo sapiens] | 23.23 | 1 | 3 | 4 | 16 | 0.951 | 5 | 6.4 | 1.058 | 5 | 8.5 | 562.25 | 23.23 | 10 | 16 | 310 | 34.6 | 6.52 |
| 31657142 | integrin alpha-1 precursor [Homo sapiens] | 5.26 | 1 | 1 | 8 | 18 | 0.950 | 2 | 3.3 | 1.153 | 2 | 4.0 | 31.56 | 5.26 | 8 | 18 | 1179 | 130.8 | 6.29 |
| 578818505 | PREDICTED: zinc finger protein 248 isoform X2 [Homo sapiens] | 9.50 | 1 | 1 | 7 | 7 | 0.950 | 1 |  | 1.263 | 1 |  | 28.97 | 9.50 | 7 | 7 | 579 | 67.0 | 8.25 |
| 7706511 | methionine-R-sulfoxide reductase B1 [Homo sapiens] | 7.76 | 1 | 1 | 1 | 2 | 0.950 | 1 |  | 0.972 | 1 |  | 53.25 | 7.76 | 2 | 2 | 116 | 12.8 | 8.37 |
| 530414003 | PREDICTED: haloacid dehalogenase-like hydrolase domain-containing protein 2 isoform X4 [Ho | 4.73 | 3 | 1 | 1 | 6 | 0.950 | 2 | 5.7 | 1.457 | 2 | 2.6 | 100.26 | 4.73 | 3 | 6 | 169 | 18.5 | 5.54 |
| 14150155 | vacuolar protein-sorting-associated protein 25 [Homo sapiens] | 4.55 | 1 | 1 | 1 | 3 | 0.950 | 1 |  | 1.196 | 1 |  | 37.70 | 4.55 | 3 | 3 | 176 | 20.7 | 6.34 |
| 530376083 | PREDICTED: SH3 domain and tetratricopeptide repeat-containing protein 1 isoform X1 [Homo s | 2.38 | 5 | 1 | 5 | 23 | 0.949 | 1 |  | 1.722 | 1 |  | 51.48 | 2.38 | 13 | 23 | 1260 | 139.2 | 6.28 |
| 126032350 | DNA-dependent protein kinase catalytic subunit isoform 2 [Homo sapiens] | 9.67 | 16 | 13 | 35 | 133 | 0.949 | 13 | 10.9 | 1.093 | 12 | 18.1 | 996.99 | 9.67 | 70 | 133 | 4097 | 465.2 | 7.17 |
| 116875844 | phosphopantothenate--cysteine ligase isoform a [Homo sapiens] | 7.07 | 3 | 1 | 2 | 4 | 0.949 | 1 |  | 1.253 | 1 |  | 112.68 | 7.07 | 4 | 4 | 311 | 34.0 | 6.71 |
| 4826665 | copper chaperone for superoxide dismutase [Homo sapiens] | 5.47 | 1 | 2 | 2 | 4 | 0.949 | 1 |  | 0.914 | 1 |  | 63.97 | 5.47 | 4 | 4 | 274 | 29.0 | 5.58 |
| 217416379 | heterogeneous nuclear ribonucleoprotein L-like isoform 2 [Homo sapiens] | 8.38 | 5 | 3 | 4 | 10 | 0.949 | 3 | 9.7 | 1.161 | 2 | 9.3 | 245.42 | 8.38 | 10 | 10 | 537 | 59.6 | 7.72 |
| 578837445 | PREDICTED: unconventional myosin-XVIIIb isoform X4 [Homo sapiens] | 3.55 | 3 | 1 | 9 | 18 | 0.949 | 1 |  | 1.218 | 1 |  | 31.10 | 3.55 | 9 | 18 | 2449 | 272.3 | 6.90 |
| 103472136 | G-protein coupled receptor-associated sorting protein 1 [Homo sapiens] | 1.15 | 1 | 1 | 2 | 2 | 0.948 | 1 |  | 1.076 | 1 |  | 27.73 | 1.15 | 2 | 2 | 1395 | 156.8 | 4.68 |
| 578809225 | PREDICTED: ubiquitin-like modifier-activating enzyme 6 isoform X1 [Homo sapiens] | 9.93 | 2 | 2 | 7 | 13 | 0.948 | 2 | 2.1 | 1.251 | 2 | 11.2 | 228.85 | 9.93 | 13 | 13 | 977 | 110.2 | 6.24 |
| 42794779 | unconventional myosin-XVIIIa isoform b [Homo sapiens] | 8.58 | 2 | 5 | 16 | 41 | 0.948 | 6 | 7.7 | 1.255 | 5 | 15.7 | 416.25 | 8.58 | 29 | 41 | 2039 | 231.1 | 6.20 |
| 148277022 | selenoprotein P isoform 2 [Homo sapiens] | 16.30 | 2 | 3 | 6 | 33 | 0.948 | 8 | 5.6 | 1.186 | 8 | 17.0 | 1080.55 | 16.30 | 12 | 33 | 411 | 46.2 | 8.03 |
| 578807020 | PREDICTED: programmed cell death protein 10 isoform X4 [Homo sapiens] | 4.72 | 1 | 1 | 1 | 3 | 0.947 | 1 |  | 1.173 | 1 |  | 53.92 | 4.72 | 3 | 3 | 212 | 24.7 | 8.19 |
| 371877525 | arachidonate 5-lipoxygenase isoform 2 [Homo sapiens] | 5.30 | 3 | 2 | 3 | 14 | 0.947 | 3 | 3.2 | 1.163 | 3 | 2.3 | 492.12 | 5.30 | 7 | 14 | 642 | 74.6 | 5.63 |
| 145309304 | cadherin EGF LAG seven-pass G-type receptor 3 precursor [Homo sapiens] | 3.26 | 1 | 1 | 9 | 11 | 0.947 | 1 |  | 0.985 | 1 |  | 21.21 | 3.26 | 9 | 11 | 3312 | 358.0 | 6.68 |
| 21070997 | stromal interaction molecule 1 isoform 2 precursor [Homo sapiens] | 7.01 | 2 | 1 | 4 | 20 | 0.946 | 1 |  | 1.053 | 1 |  | 194.62 | 7.01 | 10 | 20 | 685 | 77.4 | 6.67 |
| 7657647 | tropomodulin-2 isoform a [Homo sapiens] | 8.55 | 1 | 1 | 3 | 15 | 0.946 | 1 |  | 1.103 | 1 |  | 134.59 | 8.55 | 9 | 15 | 351 | 39.6 | 5.27 |
| 530394454 | PREDICTED: calcium/calmodulin-dependent protein kinase type II subunit gamma isoform X9 [ | 15.88 | 62 | 3 | 7 | 18 | 0.946 | 3 | 5.4 | 0.970 | 3 | 22.6 | 151.41 | 15.88 | 12 | 18 | 529 | 59.6 | 7.58 |
| 530407769 | PREDICTED: serine/threonine-protein kinase SMG1 isoform X4 [Homo sapiens] | 0.75 | 10 | 1 | 4 | 15 | 0.946 | 1 |  | **2.685** | 1 |  | 52.16 | 0.75 | 7 | 15 | 3609 | 404.7 | 6.39 |
| 530382704 | PREDICTED: serine/threonine-protein kinase RIO1 isoform X2 [Homo sapiens] | 6.25 | 2 | 1 | 3 | 8 | 0.946 | 1 |  | **12.198** | 1 |  | 25.68 | 6.25 | 4 | 8 | 464 | 53.8 | 8.91 |
| 4507171 | SPARC precursor [Homo sapiens] | 8.58 | 1 | 1 | 2 | 5 | 0.946 | 1 |  | 0.881 | 1 |  | 238.70 | 8.58 | 5 | 5 | 303 | 34.6 | 4.84 |
| 194353959 | phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit gamma isoform 3 [Ho | 4.64 | 10 | 1 | 8 | 84 | 0.946 | 1 |  | 1.118 | 1 |  | 868.93 | 4.64 | 12 | 84 | 1445 | 165.6 | 6.93 |
| 40254808 | perforin-1 precursor [Homo sapiens] | 3.78 | 1 | 1 | 2 | 14 | 0.945 | 1 |  | **5.379** | 1 |  | 18.79 | 3.78 | 4 | 14 | 555 | 61.3 | 7.83 |
| 4506597 | 60S ribosomal protein L12 [Homo sapiens] | 18.79 | 1 | 2 | 3 | 7 | 0.945 | 2 | 5.5 | 0.953 | 2 | 38.2 | 188.45 | 18.79 | 6 | 7 | 165 | 17.8 | 9.42 |
| 4826772 | insulin-like growth factor-binding protein complex acid labile subunit isoform 2 precursor [Homo | 21.32 | 2 | 7 | 10 | 37 | 0.945 | 10 | 10.1 | 1.333 | 10 | 29.7 | 860.72 | 21.32 | 25 | 37 | 605 | 66.0 | 6.79 |
| 41349456 | prolyl endopeptidase [Homo sapiens] | 6.62 | 2 | 3 | 5 | 20 | 0.944 | 6 | 3.3 | 1.059 | 6 | 11.2 | 624.22 | 6.62 | 10 | 20 | 710 | 80.6 | 5.86 |
| 156631005 | 26S proteasome non-ATPase regulatory subunit 8 [Homo sapiens] | 15.43 | 1 | 1 | 4 | 10 | 0.944 | 1 |  | 0.878 | 1 |  | 91.19 | 15.43 | 6 | 10 | 350 | 39.6 | 9.70 |
| 578815599 | PREDICTED: RNA-binding Raly-like protein isoform X6 [Homo sapiens] | 14.35 | 7 | 1 | 4 | 27 | 0.944 | 2 | 3.5 | **3.682** | 2 | 8.7 | 422.12 | 14.35 | 12 | 27 | 237 | 26.4 | 10.15 |
| 7705753 | complement C1q subcomponent subunit A precursor [Homo sapiens] | 17.96 | 1 | 4 | 4 | 36 | 0.944 | 11 | 7.3 | 1.148 | 11 | 11.6 | 1179.25 | 17.96 | 12 | 36 | 245 | 26.0 | 9.11 |
| 4506667 | 60S acidic ribosomal protein P0 [Homo sapiens] | 11.99 | 1 | 3 | 4 | 10 | 0.944 | 3 | 5.9 | 1.048 | 3 | 7.6 | 314.16 | 11.99 | 9 | 10 | 317 | 34.3 | 5.97 |
| 611435005 | lysine-specific demethylase 6A isoform 5 [Homo sapiens] | 4.54 | 9 | 1 | 3 | 12 | 0.944 | 1 |  | 1.358 | 1 |  | 65.34 | 4.54 | 5 | 12 | 1322 | 145.1 | 7.44 |
| 320461537 | adenosine kinase isoform c [Homo sapiens] | 24.77 | 5 | 3 | 7 | 48 | 0.943 | 5 | 8.6 | 1.159 | 5 | 20.1 | 911.77 | 24.77 | 16 | 48 | 327 | 36.6 | 6.79 |
| 578800054 | PREDICTED: far upstream element-binding protein 1 isoform X3 [Homo sapiens] | 5.29 | 4 | 1 | 4 | 11 | 0.943 | 1 |  | 1.242 | 1 |  | 104.03 | 5.29 | 8 | 11 | 643 | 67.4 | 7.61 |
| 10835240 | high mobility group nucleosome-binding domain-containing protein 4 [Homo sapiens] | 25.56 | 1 | 1 | 5 | 43 | 0.943 | 3 | 1.7 | 1.013 | 3 | 17.7 | 440.99 | 25.56 | 14 | 43 | 90 | 9.5 | 10.48 |
| 5174613 | nucleosome assembly protein 1-like 4 [Homo sapiens] | 4.80 | 1 | 1 | 2 | 10 | 0.943 | 1 |  | 1.094 | 1 |  | 117.86 | 4.80 | 4 | 10 | 375 | 42.8 | 4.69 |
| 58331274 | septin-5 isoform 2 [Homo sapiens] | 22.25 | 2 | 3 | 6 | 25 | 0.942 | 3 | 12.5 | 1.213 | 2 | 40.7 | 175.05 | 22.25 | 11 | 25 | 346 | 39.3 | 7.20 |
| 578821286 | PREDICTED: teneurin-4 isoform X1 [Homo sapiens] | 2.43 | 2 | 1 | 9 | 36 | 0.942 | 3 | 0.1 | 1.946 | 3 | 9.5 | 19.99 | 2.43 | 9 | 36 | 2794 | 310.5 | 6.49 |
| 115298659 | spectrin alpha chain, erythrocytic 1 [Homo sapiens] | 6.66 | 1 | 3 | 19 | 80 | 0.942 | 6 | 10.6 | 1.096 | 6 | 11.9 | 373.63 | 6.66 | 36 | 80 | 2419 | 279.8 | 5.05 |
| 239049591 | glycogen [starch] synthase, muscle isoform 2 [Homo sapiens] | 8.62 | 2 | 3 | 4 | 10 | 0.942 | 3 | 10.2 | 1.075 | 3 | 3.5 | 363.29 | 8.62 | 10 | 10 | 673 | 76.4 | 6.54 |
| 14916485 | caspase-6 isoform beta [Homo sapiens] | 12.25 | 3 | 1 | 2 | 5 | 0.941 | 1 |  | **2.209** | 1 |  | 62.82 | 12.25 | 4 | 5 | 204 | 22.6 | 7.15 |
| 10947135 | ATP-binding cassette sub-family F member 1 isoform b [Homo sapiens] | 12.02 | 8 | 1 | 10 | 18 | 0.941 | 1 |  | 1.203 | 1 |  | 174.51 | 12.02 | 13 | 18 | 807 | 91.6 | 7.68 |
| 578815063 | PREDICTED: tyrosine-protein kinase SgK223 isoform X1 [Homo sapiens] | 1.42 | 1 | 1 | 3 | 4 | 0.941 | 1 |  | 1.236 | 1 |  | 23.17 | 1.42 | 3 | 4 | 1406 | 149.5 | 7.20 |
| 578825065 | PREDICTED: sciellin isoform X8 [Homo sapiens] | 5.49 | 9 | 1 | 4 | 14 | 0.940 | 1 |  | 1.330 | 1 |  | 182.16 | 5.49 | 8 | 14 | 619 | 69.9 | 9.31 |
| 4507711 | tetratricopeptide repeat protein 1 [Homo sapiens] | 6.85 | 1 | 1 | 3 | 8 | 0.940 | 2 | 0.8 |  |  |  | 53.30 | 6.85 | 3 | 8 | 292 | 33.5 | 4.84 |
| 530410798 | PREDICTED: nuclear receptor corepressor 1 isoform X7 [Homo sapiens] | 4.06 | 13 | 1 | 10 | 21 | 0.940 | 1 |  | **2.957** | 1 |  | 37.58 | 4.06 | 14 | 21 | 2514 | 277.8 | 7.12 |
| 217416369 | GTP-binding protein SAR1a [Homo sapiens] | 5.56 | 2 | 1 | 1 | 2 | 0.940 | 1 |  | 1.618 | 1 |  | 104.76 | 5.56 | 2 | 2 | 198 | 22.4 | 6.68 |
| 22202629 | apoptosis-inducing factor 1, mitochondrial isoform 2 precursor [Homo sapiens] | 4.27 | 5 | 1 | 3 | 10 | 0.940 | 2 | 8.0 | **2.172** | 2 | 26.7 | 106.23 | 4.27 | 7 | 10 | 609 | 66.3 | 8.94 |
| 189181724 | proteoglycan 4 isoform D precursor [Homo sapiens] | 5.28 | 6 | 1 | 7 | 15 | 0.939 | 1 |  | 1.119 | 1 |  | 151.81 | 5.28 | 10 | 15 | 1270 | 136.5 | 9.54 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 530414204 | PREDICTED: asparagine--tRNA ligase, cytoplasmic isoform X1 [Homo sapiens] | 1.46 | 2 | 1 | 1 | 3 | 0.939 | 1 |  | 1.499 | 1 |  | 46.87 | 1.46 | 3 | 3 | 547 | 62.8 | 6.25 |
| 422398885 | cytoplasmic dynein 1 intermediate chain 2 isoform 1 [Homo sapiens] | 13.64 | 53 | 2 | 6 | 24 | 0.939 | 2 | 23.0 | 1.255 | 2 | 26.0 | 309.88 | 13.64 | 13 | 24 | 638 | 71.4 | 5.20 |
| 38327558 | interferon-induced guanylate-binding protein 2 [Homo sapiens] | 11.00 | 1 | 1 | 6 | 19 | 0.938 | 1 |  | 1.626 | 1 |  | 112.39 | 11.00 | 13 | 19 | 591 | 67.2 | 5.71 |
| 205360947 | protein-methionine sulfoxide oxidase MICAL1 isoform 1 [Homo sapiens] | 9.18 | 3 | 2 | 9 | 48 | 0.938 | 4 | 3.2 | 1.255 | 4 | 20.8 | 665.23 | 9.18 | 15 | 48 | 1067 | 117.8 | 6.40 |
| 38505161 | tudor domain-containing protein 1 [Homo sapiens] | 7.06 | 3 | 1 | 9 | 31 | 0.938 | 5 | 2.7 | 1.188 | 5 | 18.1 | 87.39 | 7.06 | 17 | 31 | 1189 | 132.8 | 6.46 |
| 530373793 | PREDICTED: multidrug resistance-associated protein 5 isoform X1 [Homo sapiens] | 7.03 | 82 | 1 | 8 | 15 | 0.938 | 1 |  | 1.215 | 1 |  | 32.08 | 7.03 | 12 | 15 | 1437 | 160.6 | 8.66 |
| 578808568 | PREDICTED: NEDD4-binding protein 2 isoform X2 [Homo sapiens] | 1.36 | 8 | 1 | 4 | 39 | 0.938 | 6 | 11.1 | 1.153 | 5 | 8.9 | 447.14 | 1.36 | 8 | 39 | 1690 | 189.7 | 5.25 |
| 530375309 | PREDICTED: polyhomeotic-like protein 3 isoform X3 [Homo sapiens] | 0.56 | 6 | 1 | 1 | 3 | 0.938 | 1 |  | 1.254 | 1 |  | 43.08 | 0.56 | 3 | 3 | 897 | 96.5 | 7.27 |
| 530382657 | PREDICTED: zinc finger and SCAN domain-containing protein 16 isoform X2 [Homo sapiens] | 10.26 | 2 | 1 | 2 | 3 | 0.937 | 1 |  | **2.936** | 1 |  | 24.23 | 10.26 | 2 | 3 | 195 | 22.7 | 6.71 |
| 15431332 | caspase-1 isoform delta [Homo sapiens] | 13.31 | 5 | 3 | 4 | 12 | 0.937 | 4 | 9.1 | 1.264 | 4 | 3.4 | 252.92 | 13.31 | 9 | 12 | 263 | 29.8 | 7.91 |
| 13129048 | SOSS complex subunit B1 [Homo sapiens] | 3.32 | 1 | 1 | 1 | 1 | 0.937 | 1 |  | 1.153 | 1 |  | 26.30 | 3.32 | 1 | 1 | 211 | 22.3 | 9.06 |
| 289547631 | leukocyte immunoglobulin-like receptor subfamily A member 3 isoform 1 precursor [Homo sapie | 29.16 | 48 | 5 | 10 | 46 | 0.936 | 10 | 13.3 | 1.153 | 10 | 25.8 | 1498.75 | 29.16 | 28 | 46 | 439 | 47.4 | 8.09 |
| 18104948 | 60S ribosomal protein L21 [Homo sapiens] | 4.38 | 1 | 1 | 1 | 2 | 0.936 | 1 |  | 1.265 | 1 |  | 42.27 | 4.38 | 2 | 2 | 160 | 18.6 | 10.49 |
| 167614502 | protein phosphatase 1 regulatory subunit 3A [Homo sapiens] | 4.19 | 2 | 1 | 6 | 23 | 0.936 | 2 | 14.4 | 1.053 | 2 | 3.5 | 66.29 | 4.19 | 10 | 23 | 1122 | 125.7 | 5.00 |
| 530427505 | PREDICTED: heterogeneous nuclear ribonucleoprotein M isoform X3 [Homo sapiens] | 9.02 | 8 | 5 | 7 | 16 | 0.936 | 5 | 4.7 | 1.194 | 5 | 3.7 | 281.73 | 9.02 | 15 | 16 | 676 | 72.1 | 8.82 |
| 530382158 | PREDICTED: serpin B9 isoform X1 [Homo sapiens] | 8.51 | 7 | 2 | 3 | 12 | 0.936 | 2 | 6.9 | 1.101 | 2 | 6.5 | 327.08 | 8.51 | 9 | 12 | 376 | 42.4 | 5.86 |
| 42544123 | splicing factor 1 isoform 3 [Homo sapiens] | 4.93 | 11 | 1 | 2 | 6 | 0.936 | 1 |  | 1.222 | 1 |  | 79.20 | 4.93 | 6 | 6 | 548 | 59.7 | 9.50 |
| 13129018 | gamma-glutamylcyclotransferase isoform 1 [Homo sapiens] | 15.96 | 2 | 1 | 3 | 7 | 0.936 | 1 |  | 1.011 | 1 |  | 200.71 | 15.96 | 7 | 7 | 188 | 21.0 | 5.14 |
| 115387104 | 4-trimethylaminobutyraldehyde dehydrogenase [Homo sapiens] | 9.65 | 1 | 1 | 5 | 31 | 0.935 | 1 |  | 1.166 | 1 |  | 271.57 | 9.65 | 13 | 31 | 518 | 56.3 | 6.57 |
| 530393716 | PREDICTED: S-adenosylmethionine synthase isoform type-1 isoform X2 [Homo sapiens] | 5.93 | 3 | 1 | 3 | 7 | 0.935 | 1 |  | 1.140 | 1 |  | 36.24 | 5.93 | 6 | 7 | 354 | 39.1 | 6.33 |
| 530400856 | PREDICTED: centrosomal protein of 290 kDa isoform X4 [Homo sapiens] | 9.06 | 5 | 1 | 23 | 38 | 0.935 | 1 |  | 1.126 | 1 |  | 72.34 | 9.06 | 23 | 38 | 2009 | 234.7 | 6.51 |
| 21687129 | nudC domain-containing protein 2 [Homo sapiens] | 8.92 | 1 | 1 | 2 | 4 | 0.935 | 1 |  | 1.139 | 1 |  | 55.67 | 8.92 | 4 | 4 | 157 | 17.7 | 5.07 |
| 41327773 | probable ATP-dependent RNA helicase DDX46 [Homo sapiens] | 12.42 | 19 | 1 | 16 | 56 | 0.935 | 1 |  | 1.527 | 1 |  | 234.33 | 12.42 | 30 | 56 | 1031 | 117.3 | 9.29 |
| 33286420 | pyruvate kinase PKM isoform b [Homo sapiens] | 79.47 | 23 | 2 | 47 | 1015 | 0.934 | 3 | 0.2 | 1.343 | 3 | 5.5 | 42000.52 | 79.47 | 139 | 1015 | 531 | 58.0 | 7.71 |
| 225543097 | platelet-activating factor acetylhydrolase IB subunit gamma [Homo sapiens] | 7.36 | 1 | 1 | 1 | 3 | 0.934 | 1 |  | 0.949 | 1 |  | 93.42 | 7.36 | 3 | 3 | 231 | 25.7 | 6.84 |
| 4826686 | ATP-dependent RNA helicase DDX1 [Homo sapiens] | 7.84 | 1 | 1 | 6 | 23 | 0.934 | 2 | 20.7 | 1.150 | 1 |  | 436.62 | 7.84 | 13 | 23 | 740 | 82.4 | 7.23 |
| 530423920 | PREDICTED: zinc finger homeobox protein 3 isoform X1 [Homo sapiens] | 1.70 | 3 | 1 | 7 | 14 | 0.934 | 1 |  | 1.226 | 1 |  | 28.12 | 1.70 | 7 | 14 | 3702 | 404.0 | 6.21 |
| 530423421 | PREDICTED: serine/threonine-protein kinase 24 isoform X3 [Homo sapiens] | 7.21 | 4 | 1 | 1 | 3 | 0.933 | 1 |  | 0.834 | 1 |  | 111.77 | 7.21 | 3 | 3 | 333 | 36.8 | 5.88 |
| 4826952 | 26S proteasome non-ATPase regulatory subunit 5 isoform 1 [Homo sapiens] | 19.05 | 2 | 3 | 7 | 29 | 0.933 | 3 | 10.0 | 1.562 | 3 | 19.6 | 290.94 | 19.05 | 16 | 29 | 504 | 56.2 | 5.48 |
| 578804127 | PREDICTED: protein unc-80 homolog isoform X3 [Homo sapiens] | 3.43 | 14 | 1 | 12 | 47 | 0.933 | 1 |  | 1.177 | 1 |  | 76.78 | 3.43 | 16 | 47 | 3319 | 369.7 | 6.95 |
| 7657214 | hormonally up-regulated neu tumor-associated kinase [Homo sapiens] | 1.40 | 1 | 1 | 1 | 2 | 0.933 | 1 |  | 1.520 | 1 |  | 29.15 | 1.40 | 2 | 2 | 714 | 79.6 | 9.13 |
| 214832050 | dual specificity protein phosphatase 19 isoform 2 [Homo sapiens] | 4.82 | 2 | 1 | 1 | 14 | 0.933 | 4 | 5.0 | 1.339 | 4 | 22.7 | 148.08 | 4.82 | 2 | 14 | 166 | 18.3 | 8.07 |
| 578800886 | PREDICTED: involucrin isoform X1 [Homo sapiens] | 23.93 | 1 | 8 | 11 | 82 | 0.933 | 12 | 15.0 | 1.091 | 12 | 11.3 | 1202.63 | 23.93 | 29 | 82 | 585 | 68.4 | 4.61 |
| 4506221 | 26S proteasome non-ATPase regulatory subunit 12 isoform 1 [Homo sapiens] | 24.78 | 2 | 5 | 9 | 29 | 0.933 | 7 | 9.9 | 1.411 | 7 | 22.8 | 760.03 | 24.78 | 23 | 29 | 456 | 52.9 | 7.65 |
| 112380628 | lysosome-associated membrane glycoprotein 1 precursor [Homo sapiens] | 5.76 | 1 | 3 | 3 | 10 | 0.932 | 2 | 5.4 | 1.001 | 2 | 16.4 | 54.66 | 5.76 | 6 | 10 | 417 | 44.9 | 8.75 |
| 4506631 | 60S ribosomal protein L30 [Homo sapiens] | 28.70 | 1 | 2 | 3 | 6 | 0.932 | 2 | 5.5 | 1.576 | 2 | 80.4 | 101.25 | 28.70 | 6 | 6 | 115 | 12.8 | 9.63 |
| 223278393 | protein phosphatase 1 regulatory subunit 3G [Homo sapiens] | 3.35 | 1 | 1 | 1 | 4 | 0.931 | 1 |  | 1.514 | 1 |  | 61.66 | 3.35 | 2 | 4 | 358 | 38.0 | 4.93 |
| 530377639 | PREDICTED: hydroxyacyl-coenzyme A dehydrogenase, mitochondrial isoform X1 [Homo sapiens | 22.96 | 3 | 1 | 5 | 21 | 0.931 | 2 | 4.1 | 0.899 | 2 | 83.0 | 297.36 | 22.96 | 10 | 21 | 318 | 35.2 | 7.21 |
| 154146262 | IgGFc-binding protein precursor [Homo sapiens] | 3.13 | 1 | 2 | 10 | 17 | 0.931 | 2 | 8.8 | 1.270 | 2 | 4.9 | 230.92 | 3.13 | 15 | 17 | 5405 | 571.6 | 5.34 |
| 30181236 | copine-2 [Homo sapiens] | 7.30 | 18 | 2 | 3 | 21 | 0.931 | 2 | 9.8 | 1.323 | 2 | 12.7 | 635.35 | 7.30 | 9 | 21 | 548 | 61.2 | 6.07 |
| 7705300 | ubiquitin-fold modifier 1 isoform 1 precursor [Homo sapiens] | 58.82 | 4 | 2 | 2 | 9 | 0.931 | 3 | 2.8 | 1.253 | 3 | 5.4 | 444.69 | 58.82 | 6 | 9 | 85 | 9.1 | 9.31 |
| 578816449 | PREDICTED: sodium/potassium/calcium exchanger 2 isoform X3 [Homo sapiens] | 3.42 | 2 | 1 | 3 | 18 | 0.931 | 1 |  | 1.110 | 1 |  | 46.14 | 3.42 | 4 | 18 | 644 | 71.6 | 6.27 |
| 348605285 | TNFAIP3-interacting protein 3 isoform 2 [Homo sapiens] | 4.07 | 2 | 1 | 3 | 13 | 0.931 | 1 |  | **3.207** | 1 |  | 29.77 | 4.07 | 5 | 13 | 369 | 44.1 | 7.61 |
| 199559785 | tRNA pseudouridine(38/39) synthase isoform 1 [Homo sapiens] | 3.74 | 1 | 1 | 2 | 2 | 0.931 | 1 |  | **10.018** | 1 |  | 31.12 | 3.74 | 2 | 2 | 481 | 55.6 | 7.30 |
| 269847098 | phospholysine phosphohistidine inorganic pyrophosphate phosphatase isoform 1 [Homo sapiens | 9.63 | 3 | 2 | 2 | 4 | 0.930 | 1 |  | 1.251 | 1 |  | 73.85 | 9.63 | 4 | 4 | 270 | 29.1 | 6.15 |
| 89191868 | von Willebrand factor preproprotein [Homo sapiens] | 6.33 | 1 | 5 | 12 | 41 | 0.930 | 6 | 9.1 | 1.274 | 4 | 16.3 | 384.40 | 6.33 | 26 | 41 | 2813 | 309.1 | 5.49 |
| 6005757 | FACT complex subunit SPT16 [Homo sapiens] | 6.02 | 1 | 1 | 7 | 30 | 0.930 | 1 |  | 0.536 | 1 |  | 176.54 | 6.02 | 15 | 30 | 1047 | 119.8 | 5.66 |
| 339895886 | prospero homeobox protein 2 isoform 2 [Homo sapiens] | 9.86 | 3 | 1 | 3 | 10 | 0.930 | 1 |  | 1.676 | 1 |  | 91.85 | 9.86 | 5 | 10 | 365 | 40.5 | 8.69 |
| 578807065 | PREDICTED: ceruloplasmin isoform X3 [Homo sapiens] | 74.37 | 4 | 1 | 62 | 1095 | 0.929 | 1 |  | 1.127 | 1 |  | 37062.08 | 74.37 | 181 | 1095 | 1065 | 122.1 | 5.72 |
| 262050538 | inter-alpha-trypsin inhibitor heavy chain H4 isoform 2 precursor [Homo sapiens] | 60.89 | 11 | 1 | 41 | 576 | 0.929 | 2 | 4.3 | 1.333 | 2 | 32.1 | 19563.32 | 60.89 | 122 | 576 | 900 | 99.8 | 6.47 |
| 7706339 | peptidyl-prolyl cis-trans isomerase-like 1 [Homo sapiens] | 8.43 | 1 | 1 | 1 | 3 | 0.929 | 1 |  | 1.147 | 1 |  | 138.55 | 8.43 | 3 | 3 | 166 | 18.2 | 7.99 |
| 358356407 | 60S ribosomal protein L15 isoform 2 [Homo sapiens] | 4.83 | 2 | 1 | 1 | 2 | 0.928 | 1 |  | 1.489 | 1 |  | 49.43 | 4.83 | 2 | 2 | 145 | 16.7 | 11.53 |
| 54607141 | vacuolar protein sorting-associated protein 13D isoform 2 [Homo sapiens] | 2.98 | 2 | 1 | 14 | 43 | 0.928 | 1 |  | **2.169** | 1 |  | 92.80 | 2.98 | 26 | 43 | 4363 | 488.8 | 6.55 |
| 55749515 | syntenin-1 isoform 3 [Homo sapiens] | 18.86 | 3 | 2 | 4 | 9 | 0.928 | 2 | 9.1 | 0.846 | 2 | 60.9 | 225.82 | 18.86 | 9 | 9 | 297 | 32.3 | 7.53 |
| 4507131 | small nuclear ribonucleoprotein F [Homo sapiens] | 24.42 | 1 | 2 | 2 | 9 | 0.928 | 3 | 3.4 | 1.237 | 3 | 10.5 | 307.89 | 24.42 | 6 | 9 | 86 | 9.7 | 4.67 |
| 223278387 | calmodulin-like protein 5 [Homo sapiens] | 33.56 | 1 | 2 | 4 | 13 | 0.927 | 2 | 1.9 | 1.118 | 2 | 15.5 | 246.71 | 33.56 | 9 | 13 | 146 | 15.9 | 4.44 |
| 530410543 | PREDICTED: 60S ribosomal protein L26 isoform X1 [Homo sapiens] | 15.17 | 3 | 1 | 2 | 7 | 0.926 | 2 | 10.0 | 1.154 | 2 | 17.4 | 180.28 | 15.17 | 4 | 7 | 145 | 17.2 | 10.55 |
| 4503269 | deoxycytidine kinase [Homo sapiens] | 2.69 | 1 | 1 | 1 | 2 | 0.926 | 1 |  | 1.027 | 1 |  | 77.38 | 2.69 | 2 | 2 | 260 | 30.5 | 5.21 |
| 530422603 | PREDICTED: rho guanine nucleotide exchange factor 6 isoform X3 [Homo sapiens] | 11.42 | 4 | 2 | 7 | 18 | 0.926 | 2 | 14.2 | 0.886 | 2 | 40.5 | 149.20 | 11.42 | 13 | 18 | 727 | 82.0 | 5.64 |
| 402794208 | poly(U)-binding-splicing factor PUF60 isoform h [Homo sapiens] | 9.22 | 8 | 3 | 3 | 27 | 0.926 | 7 | 6.6 | 1.229 | 5 | 68.7 | 331.26 | 9.22 | 9 | 27 | 499 | 54.0 | 5.33 |
| 24497519 | mannosyl-oligosaccharide 1,2-alpha-mannosidase IA [Homo sapiens] | 9.65 | 2 | 2 | 7 | 45 | 0.926 | 2 | 5.5 | 1.422 | 2 | 15.0 | 237.29 | 9.65 | 16 | 45 | 653 | 72.9 | 6.47 |
| 40385883 | ribulose-phosphate 3-epimerase isoform 1 [Homo sapiens] | 54.82 | 6 | 5 | 6 | 26 | 0.925 | 7 | 4.3 | 1.123 | 6 | 21.8 | 1000.80 | 54.82 | 16 | 26 | 228 | 24.9 | 5.58 |
| 284448551 | NADH-cytochrome b5 reductase 3 isoform 3 [Homo sapiens] | 5.39 | 3 | 1 | 2 | 2 | 0.924 | 1 |  | 1.077 | 1 |  | 27.56 | 5.39 | 2 | 2 | 334 | 38.2 | 6.90 |
| 530412644 | PREDICTED: sodium channel protein type 4 subunit alpha isoform X1 [Homo sapiens] | 1.58 | 1 | 1 | 3 | 12 | 0.924 | 1 |  | 0.812 | 1 |  | 30.18 | 1.58 | 3 | 12 | 1836 | 207.9 | 5.10 |
| 510785740 | integrin-linked protein kinase isoform 2 [Homo sapiens] | 5.12 | 2 | 1 | 2 | 4 | 0.923 | 1 |  | 0.970 | 1 |  | 112.48 | 5.12 | 4 | 4 | 391 | 44.3 | 7.97 |
| 58801559 | complement C1q-like protein 3 precursor [Homo sapiens] | 3.53 | 1 | 1 | 1 | 10 | 0.923 | 2 | 1.5 | 1.554 | 2 | 1.6 | 72.91 | 3.53 | 2 | 10 | 255 | 26.7 | 6.79 |
| 83582815 | cornifin-B [Homo sapiens] | 37.08 | 2 | 2 | 2 | 7 | 0.923 | 2 | 11.0 | 1.041 | 2 | 2.4 | 195.00 | 37.08 | 6 | 7 | 89 | 9.9 | 8.48 |
| 530395458 | PREDICTED: PHD finger protein 21A isoform X9 [Homo sapiens] | 3.34 | 6 | 1 | 3 | 9 | 0.923 | 1 |  | 1.117 | 1 |  | 62.89 | 3.34 | 5 | 9 | 629 | 69.0 | 9.74 |
| 212286159 | protein MEMO1 isoform 2 [Homo sapiens] | 17.15 | 3 | 1 | 3 | 19 | 0.922 | 1 |  | 1.045 | 1 |  | 209.04 | 17.15 | 7 | 19 | 274 | 31.3 | 7.09 |
| 578798800 | PREDICTED: microtubule-actin cross-linking factor 1 isoform X10 [Homo sapiens] | 5.46 | 46 | 3 | 51 | 201 | 0.922 | 1 |  | 1.474 | 1 |  | 326.76 | 5.46 | 81 | 201 | 7686 | 868.8 | 5.31 |
| 530414780 | PREDICTED: protein Hook homolog 2 isoform X4 [Homo sapiens] | 4.49 | 5 | 1 | 4 | 18 | 0.922 | 1 |  | 1.133 | 1 |  | 41.93 | 4.49 | 8 | 18 | 646 | 75.1 | 5.53 |
| 578806056 | PREDICTED: inositol 1,4,5-trisphosphate receptor type 1 isoform X9 [Homo sapiens] | 5.45 | 13 | 1 | 15 | 138 | 0.921 | 9 | 6.4 | **3.098** | 9 | 30.5 | 319.01 | 5.45 | 24 | 138 | 2695 | 306.7 | 6.11 |
| 14249464 | zinc finger and BTB domain-containing protein 45 [Homo sapiens] | 3.13 | 1 | 1 | 2 | 5 | 0.921 | 1 |  | 1.127 | 1 |  | 29.62 | 3.13 | 2 | 5 | 511 | 54.0 | 6.92 |
| 188497623 | neuromedin-U receptor 1 [Homo sapiens] | 7.28 | 3 | 1 | 3 | 11 | 0.921 | 1 |  | 1.802 | 1 |  | 39.20 | 7.28 | 3 | 11 | 426 | 47.3 | 8.70 |
| 392996949 | UV excision repair protein RAD23 homolog A isoform 2 [Homo sapiens] | 7.46 | 39 | 1 | 4 | 18 | 0.920 | 1 |  | 1.131 | 1 |  | 127.61 | 7.46 | 10 | 18 | 362 | 39.5 | 4.58 |
| 530393909 | PREDICTED: uncharacterized protein C10orf118 isoform X2 [Homo sapiens] | 6.12 | 1 | 1 | 7 | 22 | 0.920 | 4 | 3.4 | **6.618** | 2 | 88.4 | 149.42 | 6.12 | 10 | 22 | 898 | 103.6 | 6.27 |
| 308199423 | glutamate--cysteine ligase catalytic subunit isoform b [Homo sapiens] | 4.17 | 2 | 1 | 1 | 3 | 0.920 | 1 |  | 0.955 | 1 |  | 123.63 | 4.17 | 3 | 3 | 599 | 68.6 | 5.94 |
| 114796642 | regulator of chromosome condensation isoform c [Homo sapiens] | 3.09 | 3 | 1 | 2 | 8 | 0.920 | 1 |  | 0.928 | 1 |  | 65.12 | 3.09 | 6 | 8 | 421 | 44.9 | 7.52 |
| 37594464 | ADP-sugar pyrophosphatase [Homo sapiens] | 15.07 | 1 | 2 | 3 | 7 | 0.919 | 2 | 23.8 | 0.968 | 2 | 51.3 | 210.06 | 15.07 | 6 | 7 | 219 | 24.3 | 4.94 |
| 313569848 | CKLF-like MARVEL transmembrane domain-containing protein 2 isoform 2 [Homo sapiens] | 9.23 | 2 | 1 | 1 | 3 | 0.919 | 1 |  | 0.967 | 1 |  | 76.31 | 9.23 | 3 | 3 | 195 | 21.4 | 9.95 |
| 189571636 | extracellular sulfatase Sulf-1 precursor [Homo sapiens] | 4.82 | 4 | 1 | 4 | 12 | 0.919 | 1 |  | 1.044 | 1 |  | 23.64 | 4.82 | 4 | 12 | 871 | 101.0 | 9.09 |
| 22325377 | serine/threonine-protein kinase RIO3 [Homo sapiens] | 6.36 | 1 | 1 | 3 | 8 | 0.919 | 2 | 10.8 | 1.962 | 2 | 50.6 | 86.71 | 6.36 | 5 | 8 | 519 | 59.1 | 5.76 |
| 187608615 | non-receptor tyrosine-protein kinase TYK2 [Homo sapiens] | 2.36 | 1 | 1 | 3 | 3 | 0.918 | 1 |  | 1.073 | 1 |  | 29.41 | 2.36 | 3 | 3 | 1187 | 133.6 | 7.15 |
| 315113860 | serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform isoform 2 [H | 3.03 | 2 | 1 | 1 | 2 | 0.918 | 1 |  | 1.202 | 1 |  | 81.54 | 3.03 | 2 | 2 | 429 | 50.2 | 5.78 |
| 530386187 | PREDICTED: zinc finger CW-type PWWP domain protein 1 isoform X7 [Homo sapiens] | 4.62 | 34 | 1 | 4 | 29 | 0.916 | 1 |  | 1.102 | 1 |  | 164.28 | 4.62 | 8 | 29 | 498 | 56.3 | 7.74 |
| 6912242 | DCC-interacting protein 13-alpha [Homo sapiens] | 5.36 | 1 | 1 | 3 | 8 | 0.915 | 2 | 14.5 | **3.822** | 2 | 451.8 | 344.71 | 5.36 | 5 | 8 | 709 | 79.6 | 5.41 |
| 32483361 | apoptotic protease-activating factor 1 isoform d [Homo sapiens] | 12.86 | 5 | 4 | 14 | 26 | 0.915 | 4 | 8.3 | 1.276 | 3 | 8.8 | 417.96 | 12.86 | 26 | 26 | 1205 | 137.0 | 6.44 |
| 91984773 | NAD(P)H-hydrate epimerase precursor [Homo sapiens] | 6.25 | 1 | 1 | 1 | 2 | 0.915 | 1 |  | 1.190 | 1 |  | 44.88 | 6.25 | 2 | 2 | 288 | 31.7 | 7.66 |
| 224809399 | protein MEF2BNB isoform 1 [Homo sapiens] | 17.65 | 1 | 1 | 1 | 2 | 0.914 | 1 |  | 0.853 | 1 |  | 44.27 | 17.65 | 2 | 2 | 119 | 13.4 | 5.80 |
| 578837053 | PREDICTED: calcineurin-binding protein cabin-1 isoform X11 [Homo sapiens] | 4.04 | 9 | 1 | 11 | 32 | 0.914 | 2 | 7.8 |  |  |  | 85.37 | 4.04 | 20 | 32 | 2103 | 233.7 | 6.58 |
| 13399298 | immunoglobulin lambda-like polypeptide 1 isoform a precursor [Homo sapiens] | 16.43 | 1 | 2 | 3 | 835 | 0.913 | 19 | 13.9 | 1.411 | 17 | 66.8 | 8838.09 | 16.43 | 7 | 835 | 213 | 22.9 | 10.07 |
| 209915597 | UMP-CMP kinase isoform b [Homo sapiens] | 4.47 | 2 | 1 | 1 | 2 | 0.912 | 2 | 2.4 | 1.102 | 2 | 11.7 | 33.53 | 4.47 | 1 | 2 | 179 | 20.2 | 7.64 |
| 166362713 | cadherin-5 preproprotein [Homo sapiens] | 0.64 | 1 | 1 | 1 | 15 | 0.912 | 5 | 7.4 | **2.504** | 5 | 32.5 | 91.86 | 0.64 | 3 | 15 | 784 | 87.5 | 5.43 |
| 6857820 | phosphatidylinositol 5-phosphate 4-kinase type-2 alpha [Homo sapiens] | 3.45 | 1 | 1 | 1 | 4 | 0.912 | 1 |  | 1.594 | 1 |  | 116.80 | 3.45 | 2 | 4 | 406 | 46.2 | 6.99 |
| 193083114 | poly(rC)-binding protein 2 isoform g [Homo sapiens] | 33.96 | 35 | 4 | 8 | 24 | 0.911 | 4 | 2.0 | 1.233 | 4 | 31.6 | 572.16 | 33.96 | 21 | 24 | 318 | 33.5 | 8.24 |
| 15718675 | arachidonate 5-lipoxygenase-activating protein isoform 1 [Homo sapiens] | 18.01 | 1 | 1 | 1 | 3 | 0.910 | 1 |  | 0.615 | 1 |  | 92.15 | 18.01 | 3 | 3 | 161 | 18.1 | 8.44 |
| 258547126 | DNA-binding protein RFX6 [Homo sapiens] | 3.88 | 2 | 1 | 5 | 16 | 0.909 | 1 |  | 1.087 | 1 |  | 118.81 | 3.88 | 11 | 16 | 928 | 102.4 | 6.58 |
| 126723547 | protein NYNRIN [Homo sapiens] | 2.27 | 1 | 1 | 4 | 11 | 0.909 | 1 |  | 1.149 | 1 |  | 14.73 | 2.27 | 4 | 11 | 1898 | 208.2 | 8.02 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 531990811 | ubiquitin-conjugating enzyme E2 A isoform 4 [Homo sapiens] | 10.08 | 3 | 1 | 2 | 3 | 0.908 | 1 |  | 1.355 | 1 |  | 33.37 | 10.08 | 3 | 3 | 119 | 13.6 | 4.75 |
| 151301228 | pre-mRNA-processing factor 40 homolog A [Homo sapiens] | 1.51 | 4 | 1 | 2 | 4 | 0.906 | 1 |  | 0.977 | 1 |  | 148.50 | 1.51 | 4 | 4 | 930 | 105.9 | 7.99 |
| 578805786 | PREDICTED: bis(5'-adenosyl)-triphosphatase isoform X4 [Homo sapiens] | 6.12 | 2 | 1 | 1 | 3 | 0.906 | 1 |  | 1.260 | 1 |  | 110.77 | 6.12 | 3 | 3 | 147 | 16.8 | 7.08 |
| 239735492 | transcriptional activator Myb isoform 6 [Homo sapiens] | 8.86 | 3 | 1 | 8 | 86 | 0.906 | 2 | 0.7 | 1.417 | 2 | 12.6 | 83.33 | 8.86 | 16 | 86 | 745 | 83.6 | 7.24 |
| 530366140 | PREDICTED: protein lin-9 homolog isoform X1 [Homo sapiens] | 1.63 | 1 | 1 | 1 | 2 | 0.905 | 1 |  | **2.746** | 1 |  | 24.78 | 1.63 | 2 | 2 | 615 | 70.0 | 9.67 |
| 578824446 | PREDICTED: mitochondrial inner membrane protease ATP23 homolog isoform X2 [Homo sapier | 6.49 | 2 | 1 | 2 | 5 | 0.905 | 1 |  | 1.250 | 1 |  | 33.34 | 6.49 | 2 | 5 | 185 | 21.3 | 7.56 |
| 4505215 | interstitial collagenase isoform 1 preproprotein [Homo sapiens] | 10.87 | 2 | 2 | 5 | 9 | 0.902 | 2 | 15.6 | 1.095 | 2 | 37.5 | 125.48 | 10.87 | 8 | 9 | 469 | 54.0 | 6.96 |
| 530360517 | PREDICTED: serine/threonine-protein kinase mTOR isoform X1 [Homo sapiens] | 1.73 | 2 | 1 | 6 | 13 | 0.902 | 1 |  | 0.914 | 1 |  | 42.42 | 1.73 | 6 | 13 | 2549 | 288.7 | 7.17 |
| 296531459 | band 4.1-like protein 5 isoform 2 [Homo sapiens] | 6.55 | 6 | 1 | 4 | 34 | 0.902 | 1 |  | 1.273 | 1 |  | 27.71 | 6.55 | 4 | 34 | 687 | 77.5 | 6.79 |
| 93352551 | CWF19-like protein 1 [Homo sapiens] | 9.67 | 1 | 1 | 5 | 11 | 0.901 | 2 | 10.5 | 1.234 | 2 | 28.7 | 273.21 | 9.67 | 7 | 11 | 538 | 60.6 | 7.24 |
| 530367362 | PREDICTED: EGF-containing fibulin-like extracellular matrix protein 1 isoform X2 [Homo sapiens | 7.55 | 2 | 3 | 4 | 11 | 0.901 | 3 | 4.3 | 1.098 | 3 | 1.6 | 352.53 | 7.55 | 11 | 11 | 543 | 59.3 | 7.74 |
| 5031815 | lysine--tRNA ligase isoform 2 [Homo sapiens] | 8.88 | 2 | 2 | 5 | 27 | 0.900 | 2 | 13.5 | 1.460 | 2 | 3.5 | 197.38 | 8.88 | 12 | 27 | 597 | 68.0 | 6.35 |
| 23238231 | high mobility group nucleosome-binding domain-containing protein 3 isoform HMGN3b [Homo s | 19.48 | 7 | 1 | 1 | 16 | 0.900 | 3 | 6.0 | 1.164 | 3 | 9.4 | 362.67 | 19.48 | 3 | 16 | 77 | 8.4 | 10.26 |
| 530382432 | PREDICTED: dystonin isoform X8 [Homo sapiens] | 4.37 | 52 | 1 | 41 | 115 | 0.899 | 1 |  | **9.090** | 1 |  | 188.43 | 4.37 | 60 | 115 | 7709 | 875.1 | 5.35 |
| 4758226 | transcription factor E2F2 [Homo sapiens] | 2.29 | 1 | 1 | 1 | 2 | 0.899 | 1 |  | 1.237 | 1 |  | 25.07 | 2.29 | 1 | 2 | 437 | 47.5 | 4.87 |
| 96304457 | low molecular weight phosphotyrosine protein phosphatase isoform d [Homo sapiens] | 16.07 | 2 | 1 | 1 | 3 | 0.899 | 1 |  | 1.392 | 1 |  | 263.79 | 16.07 | 3 | 3 | 112 | 12.2 | 7.74 |
| 530423350 | PREDICTED: importin-5 isoform X2 [Homo sapiens] | 6.91 | 1 | 1 | 6 | 12 | 0.899 | 1 |  | 1.342 | 1 |  | 183.76 | 6.91 | 9 | 12 | 1115 | 125.5 | 4.92 |
| 33188456 | ubiquitin-conjugating enzyme E2 D2 isoform 2 [Homo sapiens] | 29.66 | 7 | 2 | 2 | 6 | 0.897 | 2 | 21.3 | 1.130 | 1 |  | 141.77 | 29.66 | 4 | 6 | 118 | 13.6 | 8.29 |
| 5453994 | double-strand-break repair protein rad21 homolog [Homo sapiens] | 4.91 | 1 | 2 | 3 | 10 | 0.897 | 2 | 22.2 | 0.868 | 2 | 18.0 | 322.64 | 4.91 | 9 | 10 | 631 | 71.6 | 4.65 |
| 6912638 | ras suppressor protein 1 isoform 1 [Homo sapiens] | 26.71 | 3 | 3 | 5 | 15 | 0.897 | 4 | 16.9 | 1.200 | 4 | 23.2 | 485.10 | 26.71 | 12 | 15 | 277 | 31.5 | 8.65 |
| 528524494 | dynein light chain roadblock-type 1 isoform b [Homo sapiens] | 19.05 | 7 | 1 | 1 | 3 | 0.896 | 1 |  | 1.275 | 1 |  | 163.34 | 19.05 | 3 | 3 | 63 | 7.3 | 7.25 |
| 54792150 | zinc finger protein 473 [Homo sapiens] | 4.94 | 1 | 1 | 5 | 12 | 0.896 | 1 |  | 0.883 | 1 |  | 26.20 | 4.94 | 5 | 12 | 871 | 100.1 | 8.27 |
| 17105394 | 60S ribosomal protein L23a [Homo sapiens] | 12.18 | 1 | 1 | 2 | 3 | 0.895 | 1 |  | 1.121 | 1 |  | 43.80 | 12.18 | 3 | 3 | 156 | 17.7 | 10.45 |
| 149944590 | SRR1-like protein [Homo sapiens] | 5.31 | 1 | 1 | 2 | 2 | 0.895 | 1 |  | 1.188 | 1 |  | 28.01 | 5.31 | 2 | 2 | 339 | 38.5 | 5.41 |
| 17158039 | histone deacetylase 9 isoform 1 [Homo sapiens] | 3.07 | 4 | 1 | 5 | 9 | 0.895 | 1 |  | **14.781** | 1 |  | 29.14 | 3.07 | 7 | 9 | 1011 | 111.2 | 6.89 |
| 530418521 | PREDICTED: zinc finger SWIM domain-containing protein 1 isoform X2 [Homo sapiens] | 1.03 | 1 | 1 | 1 | 1 | 0.894 | 1 |  | 1.142 | 1 |  | 29.47 | 1.03 | 1 | 1 | 485 | 55.0 | 7.42 |
| 4507947 | tyrosine--tRNA ligase, cytoplasmic [Homo sapiens] | 8.90 | 1 | 2 | 4 | 9 | 0.892 | 2 | 9.7 | 0.994 | 2 | 6.9 | 140.71 | 8.90 | 9 | 9 | 528 | 59.1 | 7.05 |
| 56847620 | transcription factor BTF3 homolog 4 isoform 1 [Homo sapiens] | 24.68 | 1 | 1 | 2 | 10 | 0.891 | 1 |  | **2.205** | 1 |  | 58.08 | 24.68 | 4 | 10 | 158 | 17.3 | 6.35 |
| 557129022 | ubiquitin carboxyl-terminal hydrolase 7 isoform 3 [Homo sapiens] | 13.06 | 3 | 1 | 11 | 30 | 0.890 | 1 |  | 1.209 | 1 |  | 209.54 | 13.06 | 19 | 30 | 1003 | 116.9 | 5.90 |
| 9506363 | SAM and SH3 domain-containing protein 3 [Homo sapiens] | 4.21 | 2 | 1 | 1 | 5 | 0.889 | 2 | 9.3 | 1.267 | 2 | 17.5 | 141.11 | 4.21 | 3 | 5 | 380 | 41.6 | 5.27 |
| 396578115 | IQ and AAA domain-containing protein 1 isoform 2 [Homo sapiens] | 6.91 | 3 | 1 | 6 | 18 | 0.889 | 1 |  | **2.101** | 1 |  | 28.82 | 6.91 | 6 | 18 | 781 | 90.4 | 9.33 |
| 565324221 | calcium-binding protein 39-like [Homo sapiens] | 15.73 | 1 | 1 | 7 | 44 | 0.888 | 1 |  | 1.452 | 1 |  | 241.01 | 15.73 | 15 | 44 | 337 | 39.1 | 8.40 |
| 19913446 | neuron-specific calcium-binding protein hippocalcin [Homo sapiens] | 4.15 | 3 | 1 | 1 | 3 | 0.886 | 1 |  | 1.109 | 1 |  | 56.66 | 4.15 | 3 | 3 | 193 | 22.4 | 4.97 |
| 578804386 | PREDICTED: septin-2 isoform X10 [Homo sapiens] | 26.80 | 6 | 1 | 5 | 9 | 0.885 | 1 |  | 1.305 | 1 |  | 161.72 | 26.80 | 7 | 9 | 194 | 22.6 | 6.55 |
| 530389882 | PREDICTED: kinesin-like protein KIF24 isoform X2 [Homo sapiens] | 1.19 | 4 | 1 | 2 | 3 | 0.885 | 1 |  | 1.367 | 1 |  | 43.21 | 1.19 | 2 | 3 | 1007 | 110.4 | 7.53 |
| 194306543 | oxidation resistance protein 1 isoform 2 [Homo sapiens] | 2.50 | 11 | 1 | 2 | 4 | 0.883 | 1 |  | 0.941 | 1 |  | 109.60 | 2.50 | 4 | 4 | 839 | 93.7 | 5.19 |
| 578823270 | PREDICTED: oxysterol-binding protein-related protein 8 isoform X6 [Homo sapiens] | 6.38 | 5 | 1 | 6 | 22 | 0.883 | 1 |  | 0.814 | 1 |  | 130.93 | 6.38 | 10 | 22 | 847 | 96.9 | 7.55 |
| 124256474 | diacylglycerol kinase gamma isoform 2 [Homo sapiens] | 3.52 | 3 | 1 | 3 | 3 | 0.883 | 1 |  | 1.423 | 1 |  | 21.02 | 3.52 | 3 | 3 | 766 | 86.2 | 6.65 |
| 530384769 | PREDICTED: integrin beta-8 isoform X2 [Homo sapiens] | 5.36 | 2 | 1 | 5 | 17 | 0.882 | 1 |  | 1.118 | 1 |  | 67.90 | 5.36 | 10 | 17 | 634 | 71.2 | 7.68 |
| 578816120 | PREDICTED: sperm-associated antigen 1 isoform X2 [Homo sapiens] | 5.09 | 21 | 1 | 6 | 19 | 0.880 | 2 | 1.4 | 1.047 | 2 | 1.6 | 184.11 | 5.09 | 14 | 19 | 884 | 98.8 | 6.87 |
| 14150098 | transmembrane protein 79 [Homo sapiens] | 2.03 | 1 | 1 | 1 | 4 | 0.880 | 1 |  |  |  |  | 40.66 | 2.03 | 2 | 4 | 394 | 43.5 | 4.93 |
| 578803150 | PREDICTED: exportin-1 isoform X5 [Homo sapiens] | 6.97 | 5 | 3 | 6 | 15 | 0.879 | 3 | 21.6 | 1.622 | 3 | 1.0 | 203.56 | 6.97 | 14 | 15 | 904 | 104.1 | 5.78 |
| 118572606 | hemicentin-1 precursor [Homo sapiens] | 1.22 | 1 | 1 | 7 | 16 | 0.879 | 1 |  | 1.517 | 1 |  | 34.40 | 1.22 | 7 | 16 | 5635 | 613.0 | 6.49 |
| 530403141 | PREDICTED: mirror-image polydactyly gene 1 protein isoform X2 [Homo sapiens] | 3.29 | 3 | 1 | 2 | 14 | 0.878 | 4 | 5.2 | 1.847 | 4 | 13.7 | 111.74 | 3.29 | 6 | 14 | 365 | 42.6 | 6.05 |
| 530396574 | PREDICTED: C2 domain-containing protein 3 isoform X5 [Homo sapiens] | 1.79 | 6 | 1 | 4 | 27 | 0.878 | 7 | 3.2 | **69.105** | 3 | 0.8 | 218.53 | 1.79 | 8 | 27 | 1676 | 186.3 | 8.40 |
| 56550081 | mitotic checkpoint protein BUB3 isoform b [Homo sapiens] | 9.20 | 2 | 2 | 4 | 11 | 0.877 | 2 | 24.3 | 1.171 | 2 | 20.8 | 92.58 | 9.20 | 8 | 11 | 326 | 36.9 | 6.84 |
| 153791662 | coiled-coil domain-containing protein 71 [Homo sapiens] | 9.42 | 1 | 1 | 5 | 7 | 0.876 | 1 |  | 1.426 | 1 |  | 22.57 | 9.42 | 5 | 7 | 467 | 49.6 | 11.80 |
| 525313660 | 24-hydroxycholesterol 7-alpha-hydroxylase isoform 3 [Homo sapiens] | 3.70 | 5 | 1 | 2 | 11 | 0.875 | 1 |  | 1.974 | 1 |  | 141.91 | 3.70 | 5 | 11 | 297 | 34.5 | 8.37 |
| 545478755 | protein arginine N-methyltransferase 5 isoform f [Homo sapiens] | 11.16 | 6 | 1 | 4 | 6 | 0.875 | 1 |  | 1.633 | 1 |  | 210.98 | 11.16 | 6 | 6 | 466 | 53.5 | 6.14 |
| 530361637 | PREDICTED: splicing factor 3A subunit 3 isoform X1 [Homo sapiens] | 5.13 | 2 | 1 | 2 | 6 | 0.874 | 1 |  | 1.102 | 1 |  | 62.09 | 5.13 | 4 | 6 | 448 | 52.4 | 5.27 |
| 530411988 | PREDICTED: granulins isoform X1 [Homo sapiens] | 20.91 | 1 | 7 | 9 | 53 | 0.874 | 18 | 8.9 | 1.180 | 18 | 15.0 | 1500.57 | 20.91 | 21 | 53 | 593 | 63.5 | 6.83 |
| 565324225 | tyrosine-protein kinase BTK isoform 3 [Homo sapiens] | 9.38 | 3 | 1 | 6 | 9 | 0.874 | 1 |  | 1.582 | 1 |  | 35.41 | 9.38 | 7 | 9 | 693 | 79.9 | 7.46 |
| 4504297 | histone H3.1 [Homo sapiens] | 58.82 | 3 | 1 | 11 | 112 | 0.874 | 3 | 7.2 | 1.018 | 1 |  | 1749.57 | 58.82 | 33 | 112 | 136 | 15.4 | 11.12 |
| 530386628 | PREDICTED: myosin regulatory light chain 10 isoform X1 [Homo sapiens] | 25.85 | 1 | 1 | 3 | 7 | 0.865 | 1 |  | 1.137 | 1 |  | 133.93 | 25.85 | 7 | 7 | 147 | 16.9 | 4.70 |
| 242117893 | apoptosis regulator BAX isoform sigma [Homo sapiens] | 7.26 | 4 | 1 | 1 | 3 | 0.863 | 1 |  | 1.337 | 1 |  | 115.17 | 7.26 | 3 | 3 | 179 | 19.7 | 5.40 |
| 4506699 | 40S ribosomal protein S21 [Homo sapiens] | 10.84 | 1 | 1 | 1 | 3 | 0.861 | 1 |  | 1.336 | 1 |  | 48.68 | 10.84 | 3 | 3 | 83 | 9.1 | 8.50 |
| 4759264 | COP9 signalosome complex subunit 2 isoform 1 [Homo sapiens] | 13.09 | 2 | 1 | 5 | 8 | 0.860 | 1 |  | 1.628 | 1 |  | 350.20 | 13.09 | 7 | 8 | 443 | 51.6 | 5.53 |
| 5729999 | ras-related GTP-binding protein A [Homo sapiens] | 15.34 | 26 | 2 | 6 | 48 | 0.859 | 2 | 17.0 | 1.167 | 2 | 9.8 | 663.87 | 15.34 | 16 | 48 | 313 | 36.5 | 7.72 |
| 187608516 | arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2 [Homo sapiens] | 11.05 | 3 | 2 | 7 | 26 | 0.859 | 2 | 27.5 | 0.912 | 2 | 12.4 | 327.46 | 11.05 | 15 | 26 | 778 | 88.0 | 6.80 |
| 261244906 | neurabin-1 isoform 5 [Homo sapiens] | 7.34 | 8 | 1 | 5 | 16 | 0.858 | 1 |  | 1.127 | 1 |  | 27.79 | 7.34 | 5 | 16 | 1090 | 122.3 | 5.15 |
| 157671917 | coiled-coil domain-containing protein 178 isoform 2 [Homo sapiens] | 6.88 | 2 | 1 | 7 | 23 | 0.856 | 1 |  | 1.168 | 1 |  | 28.49 | 6.88 | 7 | 23 | 829 | 97.5 | 6.25 |
| 157694524 | plexin-D1 precursor [Homo sapiens] | 2.18 | 1 | 1 | 5 | 18 | 0.855 | 1 |  | 1.215 | 1 |  | 44.21 | 2.18 | 5 | 18 | 1925 | 211.9 | 7.20 |
| 301601630 | LIM and senescent cell antigen-like-containing domain protein 1 isoform b [Homo sapiens] | 6.77 | 12 | 1 | 2 | 4 | 0.853 | 1 |  | 1.334 | 1 |  | 137.90 | 6.77 | 4 | 4 | 325 | 37.2 | 8.05 |
| 4505501 | oxidized low-density lipoprotein receptor 1 isoform 1 [Homo sapiens] | 8.79 | 3 | 2 | 2 | 4 | 0.852 | 2 | 36.2 | **2.645** | 2 | 89.7 | 189.19 | 8.79 | 4 | 4 | 273 | 30.9 | 7.28 |
| 10864011 | sulfide:quinone oxidoreductase, mitochondrial [Homo sapiens] | 7.78 | 1 | 1 | 3 | 4 | 0.851 | 1 |  | 1.716 | 1 |  | 20.31 | 7.78 | 3 | 4 | 450 | 49.9 | 9.11 |
| 530367595 | PREDICTED: latent-transforming growth factor beta-binding protein 1 isoform X5 [Homo sapier | 3.93 | 11 | 1 | 6 | 18 | 0.851 | 1 |  | 1.244 | 1 |  | 48.34 | 3.93 | 10 | 18 | 1247 | 134.0 | 7.50 |
| 4885099 | carbonic anhydrase 3 [Homo sapiens] | 13.85 | 1 | 1 | 2 | 4 | 0.850 | 1 |  | 1.126 | 1 |  | 47.70 | 13.85 | 4 | 4 | 260 | 29.5 | 7.34 |
| 33457348 | UPF0556 protein C19orf10 precursor [Homo sapiens] | 11.56 | 1 | 2 | 2 | 8 | 0.847 | 3 | 23.5 | 1.176 | 3 | 13.8 | 201.68 | 11.56 | 5 | 8 | 173 | 18.8 | 6.68 |
| 221136806 | putative zinc finger CCHC domain-containing protein 18 [Homo sapiens] | 3.47 | 1 | 1 | 2 | 10 | 0.842 | 2 | 2.3 | 1.132 | 2 | 5.0 | 32.29 | 3.47 | 2 | 10 | 403 | 45.1 | 7.39 |
| 24638446 | histone H2A type 2-C [Homo sapiens] | 60.47 | 4 | 1 | 7 | 90 | 0.840 | 6 | 16.7 | **2.516** | 4 | 10.3 | 2331.87 | 60.47 | 21 | 90 | 129 | 14.0 | 10.90 |
| 15826852 | Golgi resident protein GCP60 [Homo sapiens] | 4.55 | 1 | 1 | 1 | 3 | 0.840 | 1 |  | 1.437 | 1 |  | 272.25 | 4.55 | 3 | 3 | 528 | 60.6 | 5.06 |
| 46488915 | astrotactin-2 isoform a precursor [Homo sapiens] | 1.86 | 6 | 1 | 3 | 7 | 0.838 | 1 |  | **3.806** | 1 |  | 35.13 | 1.86 | 3 | 7 | 1288 | 142.5 | 5.71 |
| 526118265 | Golgin subfamily A member 5 [Homo sapiens] | 4.38 | 1 | 1 | 5 | 52 | 0.837 | 1 |  | 1.353 | 1 |  | 98.43 | 4.38 | 9 | 52 | 731 | 82.9 | 5.83 |
| 7706244 | protein CutA isoform 2 precursor [Homo sapiens] | 8.97 | 3 | 1 | 1 | 4 | 0.836 | 2 | 2.3 | 0.838 | 2 | 20.6 | 203.73 | 8.97 | 2 | 4 | 156 | 16.8 | 5.21 |
| 530408197 | PREDICTED: alpha-hemoglobin-stabilizing protein isoform X2 [Homo sapiens] | 12.75 | 1 | 1 | 1 | 2 | 0.836 | 1 |  | 1.287 | 1 |  | 52.86 | 12.75 | 2 | 2 | 102 | 11.8 | 5.00 |
| 578802647 | PREDICTED: peptidyl-prolyl cis-trans isomerase A-like [Homo sapiens] | 8.09 | 3 | 1 | 2 | 37 | 0.835 | 5 | 21.6 | 1.207 | 5 | 5.8 | 562.14 | 8.09 | 6 | 37 | 272 | 29.6 | 8.38 |
| 10863889 | U4/U6.U5 tri-snRNP-associated protein 1 [Homo sapiens] | 6.00 | 1 | 1 | 5 | 54 | 0.831 | 1 |  | 0.994 | 1 |  | 296.55 | 6.00 | 12 | 54 | 800 | 90.2 | 6.13 |
| 10835085 | metallothionein-1H [Homo sapiens] | 13.11 | 5 | 1 | 1 | 3 | 0.828 | 1 |  | 1.171 | 1 |  | 115.11 | 13.11 | 3 | 3 | 61 | 6.0 | 8.06 |
| 7669542 | paired box protein Pax-8 isoform PAX8E [Homo sapiens] | 6.97 | 4 | 1 | 2 | 3 | 0.825 | 1 |  | 1.066 | 1 |  | 25.20 | 6.97 | 2 | 3 | 287 | 31.0 | 8.54 |
| 530414991 | PREDICTED: transmembrane protein 161A isoform X1 [Homo sapiens] | 2.26 | 3 | 1 | 2 | 17 | 0.814 | 3 | 7.4 | **3.998** | 2 | 52.1 | 76.24 | 2.26 | 4 | 17 | 354 | 39.2 | 8.38 |
| 578836047 | PREDICTED: probable ATP-dependent RNA helicase DDX27 isoform X1 [Homo sapiens] | 6.41 | 2 | 2 | 5 | 9 | 0.812 | 2 | 10.2 | 1.094 | 2 | 2.1 | 28.34 | 6.41 | 5 | 9 | 421 | 48.8 | 10.11 |
| 578816585 | PREDICTED: DENN domain-containing protein 4C isoform X4 [Homo sapiens] | 1.85 | 5 | 1 | 3 | 60 | 0.808 | 3 | 6.0 | 1.268 | 3 | 3.6 | 304.66 | 1.85 | 7 | 60 | 1456 | 162.1 | 6.57 |
| 530402083 | PREDICTED: A-kinase anchor protein 11 isoform X4 [Homo sapiens] | 2.51 | 5 | 1 | 7 | 36 | 0.804 | 1 |  |  |  |  | 80.38 | 2.51 | 11 | 36 | 1796 | 198.4 | 5.64 |
| 156938287 | SH2 domain-containing protein 5 isoform 1 [Homo sapiens] | 4.73 | 1 | 1 | 2 | 8 | 0.804 | 1 |  | 1.051 | 1 |  | 31.73 | 4.73 | 6 | 8 | 423 | 46.8 | 8.51 |
| 578824412 | PREDICTED: neuron navigator 3 isoform X3 [Homo sapiens] | 3.12 | 5 | 1 | 8 | 25 | 0.799 | 1 |  | 1.148 | 1 |  | 34.30 | 3.12 | 8 | 25 | 2340 | 250.5 | 8.51 |
| 83267866 | dynein light chain 1, cytoplasmic [Homo sapiens] | 24.72 | 1 | 1 | 1 | 2 | 0.797 | 1 |  | 0.761 | 1 |  | 36.58 | 24.72 | 2 | 2 | 89 | 10.4 | 7.40 |
| 8923579 | ragulator complex protein LAMTOR1 [Homo sapiens] | 19.25 | 1 | 1 | 1 | 2 | 0.792 | 1 |  | 0.625 | 1 |  | 38.30 | 19.25 | 2 | 2 | 161 | 17.7 | 5.15 |
| 578811583 | PREDICTED: N-acetyllactosaminide beta-1,6-N-acetylglucosaminyl-transferase isoform X7 [Hom | 6.43 | 3 | 1 | 2 | 20 | 0.785 | 1 |  | 0.936 | 1 |  | 92.17 | 6.43 | 3 | 20 | 311 | 35.7 | 8.40 |
| 23503317 | coiled-coil domain-containing protein 96 [Homo sapiens] | 4.14 | 1 | 1 | 3 | 8 | 0.781 | 1 |  | 1.187 | 1 |  | 31.13 | 4.14 | 5 | 8 | 555 | 62.7 | 4.94 |
| 530407863 | PREDICTED: calcium-regulated heat stable protein 1 isoform X1 [Homo sapiens] | 16.07 | 2 | 2 | 2 | 5 | 0.778 | 2 | 19.3 | 1.348 | 2 | 7.2 | 78.20 | 16.07 | 5 | 5 | 168 | 18.1 | 8.85 |
| 530406506 | PREDICTED: spatacsin isoform X2 [Homo sapiens] | 5.60 | 5 | 1 | 11 | 46 | 0.769 | 1 |  | 1.098 | 1 |  | 60.73 | 5.60 | 20 | 46 | 2357 | 269.0 | 5.96 |
| 386642875 | membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase isoform 3 [Homo s | 3.26 | 5 | 1 | 2 | 2 | 0.765 | 1 |  | 1.249 | 1 |  | 32.04 | 3.26 | 2 | 2 | 430 | 47.3 | 6.06 |
| 4503519 | eukaryotic translation initiation factor 3 subunit F [Homo sapiens] | 10.08 | 1 | 1 | 1 | 2 | 0.762 | 1 |  | **2.369** | 1 |  | 70.25 | 10.08 | 2 | 2 | 357 | 37.5 | 5.45 |
| 475808427 | POTE ankyrin domain family member I [Homo sapiens] | 15.35 | 24 | 1 | 20 | 2067 | 0.753 | 3 | 3.4 | 1.372 | 3 | 2.0 | 19627.83 | 15.35 | 47 | 2067 | 1075 | 121.2 | 6.21 |
| 153791352 | POTE ankyrin domain family member F [Homo sapiens] | 22.60 | 22 | 1 | 21 | 1284 | 0.740 | 10 | 8.9 | 1.285 | 10 | 21.3 | 33815.97 | 22.60 | 50 | 1284 | 1075 | 121.4 | 6.20 |
| 63055057 | beta-actin-like protein 2 [Homo sapiens] | 43.35 | 2 | 1 | 17 | 1425 | 0.727 | 1 |  | 1.395 | 1 |  | 35106.48 | 43.35 | 50 | 1425 | 376 | 42.0 | 5.59 |
| 578804287 | PREDICTED: integrin alpha-6 isoform X2 [Homo sapiens] | 5.77 | 4 | 1 | 6 | 51 | 0.659 | 1 |  | 0.629 | 1 |  | 37.47 | 5.77 | 12 | 51 | 1058 | 117.7 | 6.86 |
| 222144324 | myosin regulatory light chain 12B [Homo sapiens] | 72.09 | 6 | 1 | 12 | 144 | 0.652 | 2 | 8.9 | 0.895 | 1 |  | 5176.50 | 72.09 | 36 | 144 | 172 | 19.8 | 4.84 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 578820587 | PREDICTED: paired box protein Pax-6 isoform X8 [Homo sapiens] | 3.94 | 1 | 1 | 1 | 3 | 0.616 | 1 | | 1.243 | 1 | | 22.51 | 3.94 | 1 | 3 | 355 | 39.2 | 9.23 |
| 300360487 | protein canopy homolog 2 isoform 2 precursor [Homo sapiens] | 19.05 | 2 | 1 | 1 | 3 | 0.601 | 1 | | 1.245 | 1 | | 84.44 | 19.05 | 3 | 3 | 84 | 9.1 | 7.30 |
| 578807667 | PREDICTED: major facilitator superfamily domain-containing protein 1 isoform X1 [Homo sapier | 6.11 | 4 | 1 | 3 | 3 | 0.588 | 1 | | 1.050 | 1 | | 31.80 | 6.11 | 3 | 3 | 475 | 51.7 | 7.36 |
| 530391566 | PREDICTED: terminal uridylyltransferase 7 isoform X4 [Homo sapiens] | 6.59 | 87 | 1 | 11 | 22 | 0.494 | 1 | | 1.068 | 1 | | 36.90 | 6.59 | 11 | 22 | 1381 | 157.7 | 6.47 |
| 94536743 | protein DDX26B [Homo sapiens] | 8.71 | 4 | 1 | 8 | 17 | **0.479** | 1 | | | | | 21.17 | 8.71 | 10 | 17 | 861 | 96.6 | 8.73 |
| 530378724 | PREDICTED: dynein heavy chain 5, axonemal isoform X1 [Homo sapiens] | 4.08 | 47 | 3 | 24 | 198 | 0.478 | 5 | 20.3 | 1.052 | 5 | 10.8 | 1021.39 | 4.08 | 46 | 198 | 4609 | 526.8 | 6.01 |
| 13430848 | nuclear receptor subfamily 1 group D member 1 [Homo sapiens] | 3.75 | 1 | 1 | 3 | 4 | **0.477** | 1 | | **4.626** | 1 | | 24.84 | 3.75 | 3 | 4 | 614 | 66.8 | 8.50 |
| 530384633 | PREDICTED: uncharacterized protein KIAA0895 isoform X3 [Homo sapiens] | 5.82 | 1 | 1 | 2 | 134 | 0.471 | 1 | | 1.099 | 1 | | 152.73 | 5.82 | 4 | 134 | 275 | 32.1 | 7.84 |
| 218505779 | protocadherin-15 isoform CD1-6 precursor [Homo sapiens] | 0.90 | 8 | 1 | 2 | 6 | 0.433 | 1 | | 1.309 | 1 | | 42.47 | 0.90 | 4 | 6 | 1886 | 208.2 | 5.11 |
| 297206791 | fibrous sheath-interacting protein 2 [Homo sapiens] | 4.26 | 30 | 1 | 32 | 73 | | | | | | | 109.07 | 4.26 | 45 | 73 | 6996 | 789.4 | 6.68 |
| 355390331 | kinesin-like protein KIF21B isoform 4 [Homo sapiens] | 6.40 | 59 | 2 | 15 | 116 | | | | | | | 916.71 | 6.40 | 31 | 116 | 1610 | 179.6 | 7.09 |
| 359718912 | probable E3 ubiquitin-protein ligase HECTD4 [Homo sapiens] | 2.73 | 1 | 1 | 13 | 48 | | | | | | | 54.90 | 2.73 | 23 | 48 | 4284 | 469.7 | 6.15 |
| 5453908 | phosphatidylinositol transfer protein alpha isoform [Homo sapiens] | 6.67 | 1 | 1 | 2 | 5 | | | | | | | 192.87 | 6.67 | 5 | 5 | 270 | 31.8 | 6.55 |
| 255652953 | zinc finger CCCH domain-containing protein 18 isoform 2 [Homo sapiens] | 0.84 | 2 | 1 | 1 | 2 | | | | | | | 27.93 | 0.84 | 2 | 2 | 953 | 106.3 | 8.32 |
| 62955803 | nucleoporin NUP188 homolog [Homo sapiens] | 2.12 | 3 | 1 | 4 | 13 | | | | | | | 66.71 | 2.12 | 10 | 13 | 1749 | 195.9 | 6.73 |
| 67782362 | ATP-dependent RNA helicase DHX29 [Homo sapiens] | 3.29 | 35 | 1 | 6 | 20 | | | | | | | 150.86 | 3.29 | 14 | 20 | 1369 | 155.1 | 8.09 |
| 20070266 | GTP-binding protein REM 1 [Homo sapiens] | 5.37 | 6 | 2 | 2 | 7 | | | | | | | 88.87 | 5.37 | 5 | 7 | 298 | 32.9 | 8.79 |
| 222537743 | phosphatidylinositol phosphatase PTPRQ precursor [Homo sapiens] | 1.70 | 7 | 1 | 6 | 167 | | | | | | | 347.73 | 1.70 | 10 | 167 | 2299 | 257.1 | 5.73 |
| 47578107 | nipped-B-like protein isoform B [Homo sapiens] | 5.90 | 7 | 1 | 20 | 74 | | | | | | | 494.34 | 5.90 | 33 | 74 | 2697 | 304.2 | 7.81 |
| 126116589 | fibrocystin-L precursor [Homo sapiens] | 0.78 | 3 | 1 | 5 | 17 | | | | | | | 124.78 | 0.78 | 9 | 17 | 4243 | 465.4 | 6.11 |
| 50428940 | mediator of RNA polymerase II transcription subunit 25 [Homo sapiens] | 0.80 | 1 | 1 | 1 | 2 | | | | | | | 31.57 | 0.80 | 2 | 2 | 747 | 78.1 | 8.34 |
| 229892308 | shugoshin-like 2 isoform 2 [Homo sapiens] | 3.65 | 5 | 1 | 6 | 11 | | | | | | | 39.27 | 3.65 | 10 | 11 | 1260 | 143.9 | 7.68 |
| 4758302 | enhancer of rudimentary homolog [Homo sapiens] | 5.77 | 1 | 1 | 1 | 3 | | | | | | | 78.86 | 5.77 | 3 | 3 | 104 | 12.3 | 5.92 |
| 242332527 | uncharacterized protein C5orf42 [Homo sapiens] | 2.38 | 6 | 1 | 9 | 19 | | | | | | | 55.85 | 2.38 | 13 | 19 | 3197 | 361.5 | 6.99 |
| 27734719 | thiamine transporter 1 [Homo sapiens] | 3.62 | 12 | 1 | 2 | 5 | | | | | | | 74.91 | 3.62 | 4 | 5 | 497 | 55.4 | 6.74 |
| 28827813 | NACHT, LRR and PYD domains-containing protein 14 [Homo sapiens] | 3.75 | 2 | 1 | 5 | 27 | | | | | | | 30.82 | 3.75 | 9 | 27 | 1093 | 124.7 | 6.61 |
| 546232151 | phosphatidylinositol transfer protein beta isoform isoform 2 [Homo sapiens] | 13.60 | 3 | 1 | 5 | 16 | | | | | | | 189.66 | 13.60 | 12 | 16 | 272 | 31.6 | 6.25 |
| 530380645 | PREDICTED: BTB/POZ domain-containing protein KCTD16 isoform X1 [Homo sapiens] | 6.54 | 4 | 1 | 4 | 6 | | | | | | | 46.61 | 6.54 | 6 | 6 | 428 | 49.1 | 8.09 |
| 21359947 | popeye domain-containing protein 3 [Homo sapiens] | 2.75 | 1 | 1 | 1 | 3 | | | | | | | 43.99 | 2.75 | 3 | 3 | 291 | 33.8 | 7.96 |
| 578807537 | PREDICTED: serine/threonine-protein phosphatase 2A regulatory subunit B'' subunit alpha isofc | 3.48 | 3 | 1 | 3 | 8 | | | | | | | 26.49 | 3.48 | 4 | 8 | 1150 | 130.2 | 5.21 |
| 51896037 | G protein-coupled receptor kinase 6 isoform C [Homo sapiens] | 4.64 | 3 | 1 | 3 | 10 | | | | | | | 75.28 | 4.64 | 5 | 10 | 560 | 64.3 | 8.44 |
| 7019435 | interleukin-17C precursor [Homo sapiens] | 3.05 | 1 | 1 | 1 | 2 | | | | | | | 23.75 | 3.05 | 2 | 2 | 197 | 21.8 | 8.12 |
| 578814066 | PREDICTED: filamin-C isoform X1 [Homo sapiens] | 3.99 | 3 | 1 | 12 | 78 | | | | | | | 1949.40 | 3.99 | 30 | 78 | 2632 | 281.4 | 6.04 |
| 530369681 | PREDICTED: striated muscle preferentially expressed protein kinase isoform X2 [Homo sapiens] | 3.43 | 23 | 1 | 14 | 26 | | | | | | | 38.42 | 3.43 | 18 | 26 | 3206 | 347.6 | 8.50 |
| 578836045 | PREDICTED: ubiquinol-cytochrome-c reductase complex assembly factor 1 isoform X1 [Homo sa | 2.27 | 10 | 1 | 1 | 9 | | | | | | | 158.37 | 2.27 | 3 | 9 | 220 | 25.0 | 9.77 |
| 530363589 | PREDICTED: zinc finger MYM-type protein 4 isoform X1 [Homo sapiens] | 6.25 | 11 | 1 | 8 | 61 | | | | | | | 42.14 | 6.25 | 11 | 61 | 1551 | 173.0 | 6.79 |
| 578817778 | PREDICTED: serine/threonine-protein kinase WNK2 isoform X10 [Homo sapiens] | 1.03 | 11 | 1 | 3 | 8 | | | | | | | 81.77 | 1.03 | 6 | 8 | 2227 | 234.8 | 5.87 |
| 530390571 | PREDICTED: nucleoredoxin-like protein 2 isoform X2 [Homo sapiens] | 4.32 | 1 | 1 | 2 | 10 | | | | | | | 48.17 | 4.32 | 4 | 10 | 139 | 15.5 | 7.03 |
| 578819920 | PREDICTED: polycomb group RING finger protein 5 isoform X5 [Homo sapiens] | 5.26 | 22 | 1 | 2 | 7 | | | | | | | 90.99 | 5.26 | 5 | 7 | 190 | 22.0 | 5.76 |
| 530384400 | PREDICTED: nucleotide-binding oligomerization domain-containing protein 1 isoform X9 [Homo | 5.96 | 56 | 1 | 7 | 32 | | | | | | | 242.18 | 5.96 | 11 | 32 | 705 | 79.4 | 8.29 |
| 530424332 | PREDICTED: epithelial splicing regulatory protein 2 isoform X2 [Homo sapiens] | 4.05 | 2 | 1 | 4 | 8 | | | | | | | 78.34 | 4.05 | 8 | 8 | 716 | 77.2 | 6.83 |
| 530387276 | PREDICTED: WD repeat-containing protein 60 isoform X1 [Homo sapiens] | 3.42 | 3 | 1 | 4 | 16 | | | | | | | 34.28 | 3.42 | 7 | 16 | 878 | 98.7 | 6.86 |
| 578822940 | PREDICTED: protein asunder homolog isoform X4 [Homo sapiens] | 5.23 | 2 | 1 | 4 | 10 | | | | | | | 30.29 | 5.23 | 6 | 10 | 631 | 71.9 | 6.62 |
| 530363232 | PREDICTED: synaptonemal complex protein 1 isoform X4 [Homo sapiens] | 6.30 | 8 | 1 | 8 | 21 | | | | | | | 53.86 | 6.30 | 15 | 21 | 921 | 107.6 | 5.69 |
| 88703062 | 40S ribosomal protein S4, Y isoform 2 [Homo sapiens] | 2.28 | 1 | 1 | 1 | 2 | | | | | | | 47.10 | 2.28 | 1 | 2 | 263 | 29.3 | 10.08 |
| 323510690 | serine/threonine-protein kinase Nek2 isoform 2 [Homo sapiens] | 7.29 | 4 | 1 | 4 | 5 | | | | | | | 37.68 | 7.29 | 4 | 5 | 384 | 44.9 | 8.41 |
| 578806449 | PREDICTED: protein SEC13 homolog isoform X6 [Homo sapiens] | 5.19 | 6 | 1 | 2 | 2 | | | | | | | 29.21 | 5.19 | 2 | 2 | 308 | 34.0 | 5.72 |
| 53831995 | splicing factor 3A subunit 1 isoform 2 [Homo sapiens] | 5.36 | 2 | 1 | 5 | 10 | | | | | | | 29.61 | 5.36 | 5 | 10 | 728 | 81.6 | 5.34 |
| 578811795 | PREDICTED: exocyst complex component 2 isoform X1 [Homo sapiens] | 5.52 | 1 | 1 | 6 | 44 | | | | | | | 51.17 | 5.52 | 8 | 44 | 924 | 104.0 | 6.90 |
| 295789158 | sodium-dependent phosphate transport protein 2B isoform b [Homo sapiens] | 4.06 | 2 | 1 | 4 | 5 | | | | | | | 22.14 | 4.06 | 4 | 5 | 689 | 75.5 | 8.27 |
| 41581463 | formin-binding protein 1-like isoform 2 [Homo sapiens] | 11.52 | 4 | 1 | 7 | 39 | | | | | | | 26.00 | 11.52 | 7 | 39 | 547 | 63.5 | 6.19 |
| 222352143 | TBC1 domain family member 2A isoform 2 [Homo sapiens] | 3.49 | 3 | 1 | 3 | 4 | | | | | | | 29.00 | 3.49 | 3 | 4 | 917 | 104.0 | 6.46 |
| 9966851 | cysteinyl leukotriene receptor 2 [Homo sapiens] | 4.34 | 1 | 1 | 2 | 11 | | | | | | | 21.69 | 4.34 | 2 | 11 | 346 | 39.6 | 9.55 |
| 189409140 | telomeric repeat-binding factor 1 isoform 2 [Homo sapiens] | 7.40 | 7 | 1 | 4 | 7 | | | | | | | 51.50 | 7.40 | 4 | 7 | 419 | 48.2 | 6.62 |
| 22027514 | cell division cycle-associated protein 7 isoform 2 [Homo sapiens] | 7.55 | 5 | 0 | 4 | 31 | | | | | | | 66.20 | 7.55 | 7 | 31 | 371 | 42.5 | 9.45 |
| 530416714 | PREDICTED: prostate tumor-overexpressed gene 1 protein isoform X1 [Homo sapiens] | 6.50 | 1 | 1 | 3 | 8 | | | | | | | 22.29 | 6.50 | 4 | 8 | 431 | 47.8 | 9.88 |
| 530372667 | PREDICTED: plexin-B1 isoform X3 [Homo sapiens] | 2.23 | 3 | 1 | 4 | 13 | | | | | | | 47.39 | 2.23 | 4 | 13 | 1211 | 135.1 | 6.33 |
| 530373023 | PREDICTED: CUB domain-containing protein 1 isoform X1 [Homo sapiens] | 2.99 | 2 | 1 | 4 | 6 | | | | | | | 32.20 | 2.99 | 4 | 6 | 770 | 86.0 | 7.64 |
| 55770876 | neurogenic locus notch homolog protein 4 preproprotein [Homo sapiens] | 0.75 | 1 | 1 | 3 | 4 | | | | | | | 24.41 | 0.75 | 3 | 4 | 2003 | 209.5 | 5.73 |
| 222352168 | protein ANKUB1 [Homo sapiens] | 0.92 | 1 | 1 | 1 | 1 | | | | | | | 20.17 | 0.92 | 1 | 1 | 544 | 61.2 | 9.20 |
| 578832581 | PREDICTED: zinc finger protein 532 isoform X14 [Homo sapiens] | 2.45 | 14 | 1 | 4 | 6 | | | | | | | 40.63 | 2.45 | 4 | 6 | 1060 | 114.0 | 8.54 |

# Appendix B

# iTRAQ Set 2

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 132566532 | dual oxidase 2 precursor [Homo sapiens] | 0.52 | 35 | 1 | 2 | 4 | **1.755** | 1 |  | 1.196 | 1 |  | 84.85 | 0.52 | 4 | 4 | 1548 | 175.3 | 7.85 |
| 578806381 | PREDICTED: kinesin-like protein KIF15 isoform X2 [Homo sapiens] | 1.40 | 31 | 1 | 2 | 3 | **1.711** | 1 |  | **2.833** | 1 |  | 46.01 | 1.40 | 3 | 3 | 1285 | 147.9 | 6.89 |
| 93204867 | probable G-protein coupled receptor 158 precursor [Homo sapiens] | 1.32 | 32 | 1 | 2 | 3 | **1.511** | 1 |  | 1.597 | 1 |  | 39.60 | 1.32 | 3 | 3 | 1215 | 135.4 | 8.28 |
| 612407822 | carcinoembryonic antigen-related cell adhesion molecule 6 preprop | 2.91 | 1 | 1 | 1 | 2 | **1.447** | 1 |  | 1.125 | 1 |  | 64.62 | 2.91 | 2 | 2 | 344 | 37.2 | 5.82 |
| 557878699 | ubiquitin-fold modifier 1 isoform 2 [Homo sapiens] | 42.17 | 3 | 1 | 1 | 3 | **1.415** | 1 |  | 1.088 | 1 |  | 200.01 | 42.17 | 3 | 3 | 83 | 8.9 | 9.31 |
| 578813594 | PREDICTED: actin, cytoplasmic 1 isoform X1 [Homo sapiens] | 95.26 | 1 | 1 | 23 | 2814 | **1.414** | 1 |  | 1.324 | 1 |  | 133155.76 | 95.26 | 67 | 2814 | 253 | 28.2 | 5.34 |
| 17865802 | vacuolar protein sorting-associated protein 4B [Homo sapiens] | 5.18 | 1 | 1 | 1 | 2 | **1.349** | 1 |  |  |  |  | 100.74 | 5.18 | 2 | 2 | 444 | 49.3 | 7.23 |
| 530416619 | PREDICTED: sodium/potassium-transporting ATPase subunit alpha | 0.63 | 1 | 1 | 1 | 2 | **1.334** | 1 |  | 1.392 | 1 |  | 29.40 | 0.63 | 2 | 2 | 1261 | 136.8 | 6.05 |
| 27501446 | density-regulated protein [Homo sapiens] | 9.09 | 1 | 1 | 1 | 3 | **1.331** | 1 |  | 1.212 | 1 |  | 213.48 | 9.09 | 3 | 3 | 198 | 22.1 | 5.30 |
| 14790190 | msx2-interacting protein [Homo sapiens] | 0.14 | 1 | 1 | 1 | 3 | **1.271** | 2 | 61.3 | **2.977** | 2 | 160.3 | 19.72 | 0.14 | 2 | 3 | 3664 | 402.0 | 7.64 |
| 28372531 | serine/threonine-protein phosphatase 4 regulatory subunit 2 [Hom | 4.08 | 1 | 1 | 1 | 1 | **1.269** | 1 |  | 1.443 | 1 |  | 44.84 | 4.08 | 1 | 1 | 417 | 46.9 | 4.54 |
| 194473714 | latexin [Homo sapiens] | 4.50 | 1 | 1 | 1 | 2 | **1.259** | 1 |  | 0.901 | 1 |  | 39.36 | 4.50 | 2 | 2 | 222 | 25.7 | 5.78 |
| 578817959 | PREDICTED: collagen alpha-1(XXVII) chain isoform X3 [Homo sapi | 0.74 | 4 | 1 | 1 | 8 | **1.259** | 4 | 5.2 | 1.270 | 4 | 31.2 | 93.93 | 0.74 | 2 | 8 | 1087 | 107.8 | 7.85 |
| 14249614 | synaptotagmin-like protein 1 isoform 2 [Homo sapiens] | 4.55 | 9 | 2 | 2 | 4 | **1.245** | 2 | 40.3 | 1.152 | 2 | 25.8 | 172.61 | 4.55 | 4 | 4 | 550 | 60.6 | 5.48 |
| 4507131 | small nuclear ribonucleoprotein F [Homo sapiens] | 15.12 | 1 | 1 | 1 | 3 | **1.230** | 1 |  | 1.133 | 1 |  | 218.00 | 15.12 | 3 | 3 | 86 | 9.7 | 4.67 |
| 578836735 | PREDICTED: protein dopey-2 isoform X1 [Homo sapiens] | 0.44 | 51 | 1 | 2 | 4 | **1.220** | 1 |  | 0.645 | 1 |  | 44.37 | 0.44 | 4 | 4 | 2298 | 258.1 | 6.29 |
| 21361322 | tubulin beta-4A chain isoform 3 [Homo sapiens] | 53.15 | 6 | 1 | 16 | 139 | **1.189** | 1 |  | 1.178 | 1 |  | 5325.57 | 53.15 | 44 | 139 | 444 | 49.6 | 4.88 |
| 530422607 | PREDICTED: rho guanine nucleotide exchange factor 6 isoform X5 | 2.25 | 4 | 1 | 1 | 1 | **1.172** | 1 |  | 1.096 | 1 |  | 26.38 | 2.25 | 1 | 1 | 622 | 70.7 | 6.55 |
| 4885099 | carbonic anhydrase 3 [Homo sapiens] | 3.46 | 1 | 1 | 1 | 3 | **1.169** | 1 |  | 1.014 | 1 |  | 87.97 | 3.46 | 3 | 3 | 260 | 29.5 | 7.34 |
| 578810535 | PREDICTED: transcription factor 7 isoform X10 [Homo sapiens] | 2.33 | 72 | 1 | 1 | 2 | **1.162** | 1 |  | **2.079** | 1 |  | 27.87 | 2.33 | 2 | 2 | 258 | 28.8 | 9.85 |
| 211059425 | small integral membrane protein 24 precursor [Homo sapiens] | 15.38 | 1 | 1 | 1 | 3 | **1.161** | 1 |  | 1.247 | 1 |  | 109.38 | 15.38 | 3 | 3 | 130 | 15.0 | 5.29 |
| 116734849 | glycogen debranching enzyme isoform 2 [Homo sapiens] | 1.52 | 3 | 2 | 2 | 7 | **1.159** | 3 | 16.0 | 0.962 | 3 | 4.4 | 316.88 | 1.52 | 4 | 7 | 1515 | 172.5 | 6.71 |
| 40549451 | lymphatic vessel endothelial hyaluronic acid receptor 1 precursor [I | 2.80 | 1 | 1 | 1 | 2 | **1.154** | 1 |  | 1.388 | 1 |  | 46.78 | 2.80 | 2 | 2 | 322 | 35.2 | 8.28 |
| 392494084 | eukaryotic translation initiation factor 6 isoform a [Homo sapiens] | 23.67 | 2 | 2 | 2 | 8 | **1.152** | 3 | 6.0 | 1.046 | 3 | 5.6 | 438.89 | 23.67 | 6 | 8 | 245 | 26.6 | 4.68 |
| 530394359 | PREDICTED: mini-chromosome maintenance complex-binding prot | 1.36 | 3 | 1 | 1 | 1 | **1.151** | 1 |  | 1.099 | 1 |  | 31.94 | 1.36 | 1 | 1 | 587 | 66.5 | 5.95 |
| 46389562 | alpha-endosulfine isoform 8 [Homo sapiens] | 19.05 | 5 | 1 | 1 | 6 | **1.145** | 2 | 6.5 | 0.947 | 2 | 5.6 | 327.52 | 19.05 | 3 | 6 | 105 | 12.0 | 4.91 |
| 27886588 | protein-tyrosine kinase 2-beta isoform b [Homo sapiens] | 1.45 | 3 | 1 | 1 | 3 | **1.144** | 1 |  | 0.901 | 1 |  | 129.86 | 1.45 | 3 | 3 | 967 | 111.1 | 5.91 |
| 530406156 | PREDICTED: uveal autoantigen with coiled-coil domains and ankyri | 0.72 | 5 | 1 | 1 | 1 | **1.140** | 1 |  | 1.454 | 1 |  | 22.10 | 0.72 | 1 | 1 | 1392 | 160.2 | 7.18 |
| 55749431 | transcription elongation factor A protein-like 3 [Homo sapiens] | 10.50 | 1 | 1 | 1 | 3 | **1.140** | 1 |  | 1.136 | 1 |  | 204.75 | 10.50 | 3 | 3 | 200 | 22.5 | 4.92 |
| 5803135 | ras-related protein Rab-35 isoform 1 [Homo sapiens] | 18.41 | 21 | 1 | 4 | 22 | **1.135** | 1 |  | 1.402 | 1 |  | 1079.99 | 18.41 | 11 | 22 | 201 | 23.0 | 8.29 |
| 134152719 | CUGBP Elav-like family member 2 isoform 4 [Homo sapiens] | 10.66 | 17 | 2 | 2 | 4 | **1.133** | 2 | 13.1 | 1.427 | 2 | 26.8 | 234.03 | 10.66 | 4 | 4 | 488 | 52.0 | 8.60 |
| 47834348 | minor histocompatibility protein HA-1 isoform 1 precursor [Homo s | 2.02 | 5 | 2 | 2 | 8 | **1.133** | 3 | 3.2 | 0.950 | 3 | 4.6 | 216.85 | 2.02 | 6 | 8 | 1136 | 124.5 | 6.10 |
| 578815063 | PREDICTED: tyrosine-protein kinase SgK223 isoform X1 [Homo sap | 0.57 | 1 | 1 | 1 | 1 | **1.133** | 1 |  | 1.595 | 1 |  | 28.32 | 0.57 | 1 | 1 | 1406 | 149.5 | 7.20 |
| 386643034 | protein NDRG1 isoform 3 [Homo sapiens] | 4.47 | 3 | 1 | 1 | 3 | **1.128** | 1 |  | 1.001 | 1 |  | 169.55 | 4.47 | 3 | 3 | 313 | 33.6 | 6.44 |
| 298919181 | nuclear receptor corepressor 1 isoform 3 [Homo sapiens] | 0.21 | 11 | 1 | 1 | 2 | **1.125** | 1 |  | 0.863 | 1 |  | 16.70 | 0.21 | 2 | 2 | 2337 | 258.4 | 6.92 |
| 530423403 | PREDICTED: tripeptidyl-peptidase 2 isoform X4 [Homo sapiens] | 1.89 | 5 | 2 | 2 | 17 | **1.124** | 7 | 39.3 | 1.054 | 7 | 12.4 | 286.01 | 1.89 | 6 | 17 | 1162 | 128.1 | 6.77 |
| 530400854 | PREDICTED: centrosomal protein of 290 kDa isoform X3 [Homo sa | 0.30 | 5 | 1 | 1 | 2 | **1.122** | 1 |  | 1.483 | 1 |  | 27.75 | 0.30 | 2 | 2 | 2353 | 275.6 | 6.10 |
| 5031711 | eukaryotic translation initiation factor 1b [Homo sapiens] | 26.55 | 2 | 2 | 2 | 6 | **1.122** | 2 | 7.0 | 1.191 | 2 | 3.3 | 407.90 | 26.55 | 6 | 6 | 113 | 12.8 | 7.37 |
| 354721179 | ras-related protein Rab-5B isoform 2 [Homo sapiens] | 27.01 | 5 | 2 | 4 | 15 | **1.122** | 2 | 8.8 | 1.021 | 2 | 29.3 | 621.10 | 27.01 | 12 | 15 | 174 | 19.1 | 7.30 |
| 117553580 | AP-3 complex subunit delta-1 isoform 2 [Homo sapiens] | 1.13 | 3 | 1 | 1 | 3 | **1.120** | 1 |  | 1.110 | 1 |  | 161.17 | 1.13 | 3 | 3 | 1153 | 130.1 | 8.48 |
| 14110414 | heterogeneous nuclear ribonucleoprotein D0 isoform c [Homo sapi | 29.41 | 9 | 1 | 9 | 40 | **1.119** | 2 | 17.1 | 1.129 | 2 | 0.7 | 1708.57 | 29.41 | 20 | 40 | 306 | 32.8 | 8.16 |
| 6912242 | DCC-interacting protein 13-alpha [Homo sapiens] | 3.53 | 1 | 1 | 1 | 2 | **1.117** | 1 |  |  |  |  | 79.86 | 3.53 | 2 | 2 | 709 | 79.6 | 5.41 |
| 7662502 | malignant T-cell-amplified sequence 1 isoform 1 [Homo sapiens] | 19.34 | 2 | 2 | 2 | 6 | **1.116** | 2 | 22.1 | 0.881 | 2 | 32.8 | 307.93 | 19.34 | 6 | 6 | 181 | 20.5 | 8.82 |
| 578826489 | PREDICTED: uncharacterized protein LOC102723683 [Homo sapien | 2.55 | 1 | 1 | 1 | 1 | 1.116 | 1 |  | 1.003 | 1 |  | 27.21 | 2.55 | 1 | 1 | 353 | 38.0 | 9.60 |
| 282847388 | uncharacterized protein C10orf62 [Homo sapiens] | 3.14 | 1 | 1 | 1 | 1 | 1.115 | 1 |  | 1.365 | 1 |  | 25.08 | 3.14 | 1 | 1 | 223 | 25.1 | 7.59 |
| 578835493 | PREDICTED: glycogen phosphorylase, brain form isoform X1 [Hom | 7.47 | 1 | 1 | 6 | 48 | 1.115 | 1 |  | 1.056 | 1 |  | 1923.36 | 7.47 | 16 | 48 | 843 | 96.6 | 6.86 |
| 302699239 | eukaryotic translation initiation factor 4 gamma 1 isoform 4 [Homo | 0.78 | 7 | 1 | 1 | 3 | 1.115 | 1 |  | 1.087 | 1 |  | 97.94 | 0.78 | 3 | 3 | 1404 | 154.8 | 5.16 |
| 578838913 | PREDICTED: prefoldin subunit 3 isoform X1 [Homo sapiens] | 6.25 | 2 | 1 | 1 | 1 | 1.114 | 1 |  | 1.087 | 1 |  | 27.08 | 6.25 | 1 | 1 | 192 | 22.2 | 6.60 |
| 10863895 | thymosin beta-10 [Homo sapiens] | 31.82 | 1 | 1 | 3 | 23 | 1.114 | 1 |  | 1.192 | 1 |  | 554.03 | 31.82 | 6 | 23 | 44 | 5.0 | 5.36 |
| 578817221 | PREDICTED: FK506-binding protein 15 isoform X2 [Homo sapiens] | 2.52 | 3 | 2 | 2 | 4 | 1.114 | 1 |  | 1.032 | 1 |  | 159.34 | 2.52 | 4 | 4 | 1151 | 126.7 | 5.20 |
| 4557663 | immunoglobulin-binding protein 1 [Homo sapiens] | 6.49 | 1 | 1 | 1 | 3 | 1.113 | 1 |  | 1.058 | 1 |  | 294.56 | 6.49 | 3 | 3 | 339 | 39.2 | 5.38 |
| 530367723 | PREDICTED: HEAT repeat-containing protein 5B isoform X1 [Homo | 0.37 | 4 | 1 | 1 | 2 | 1.113 | 1 |  | 1.392 | 1 |  | 20.91 | 0.37 | 2 | 2 | 1881 | 203.3 | 7.08 |
| 530427505 | PREDICTED: heterogeneous nuclear ribonucleoprotein M isoform X | 6.07 | 8 | 4 | 4 | 8 | 1.112 | 4 | 6.6 | 1.124 | 4 | 25.3 | 197.66 | 6.07 | 8 | 8 | 676 | 72.1 | 8.82 |
| 166706885 | dematin isoform 3 [Homo sapiens] | 5.59 | 6 | 1 | 1 | 2 | 1.110 | 1 |  | 1.088 | 1 |  | 92.88 | 5.59 | 2 | 2 | 358 | 40.7 | 8.85 |
| 28605137 | 26S proteasome non-ATPase regulatory subunit 10 isoform 2 [Hom | 7.95 | 2 | 1 | 1 | 3 | 1.109 | 1 |  | 1.113 | 1 |  | 111.53 | 7.95 | 3 | 3 | 151 | 16.1 | 5.95 |
| 557786105 | vacuolar fusion protein MON1 homolog B isoform 3 [Homo sapiens | 1.50 | 1 | 1 | 1 | 2 | 1.109 | 2 | 10.5 | **2.746** | 2 | 31.0 | 29.56 | 1.50 | 1 | 2 | 401 | 44.2 | 9.10 |
| 522838244 | angiomotin-like protein 2 isoform 3 [Homo sapiens] | 2.32 | 4 | 1 | 1 | 1 | 1.109 | 1 |  | 1.003 | 1 |  | 28.22 | 2.32 | 1 | 1 | 777 | 85.4 | 7.18 |
| 530400550 | PREDICTED: kinesin-like protein KIF21A isoform X9 [Homo sapiens | 1.00 | 17 | 1 | 1 | 1 | 1.108 | 1 |  | 1.660 | 1 |  | 26.67 | 1.00 | 1 | 1 | 1607 | 179.8 | 6.51 |
| 290543591 | YTH domain-containing family protein 2 isoform 2 [Homo sapiens] | 1.13 | 2 | 1 | 1 | 1 | 1.106 | 1 |  | 1.629 | 1 |  | 24.51 | 1.13 | 1 | 1 | 529 | 56.8 | 8.94 |
| 4502165 | apolipoprotein F precursor [Homo sapiens] | 4.29 | 1 | 1 | 1 | 3 | 1.106 | 1 |  | 1.279 | 1 |  | 163.22 | 4.29 | 3 | 3 | 326 | 35.4 | 5.64 |
| 578798496 | PREDICTED: dihydropyrimidine dehydrogenase [NADP(+)] isoform | 1.46 | 3 | 1 | 1 | 3 | 1.101 | 1 |  | 1.108 | 1 |  | 140.26 | 1.46 | 3 | 3 | 889 | 96.1 | 6.24 |
| 527498299 | SLIT and NTRK-like protein 1 precursor [Homo sapiens] | 1.44 | 1 | 1 | 1 | 2 | 1.100 | 1 |  | 1.031 | 1 |  | 33.34 | 1.44 | 2 | 2 | 696 | 77.7 | 6.44 |
| 51702222 | protein SPT2 homolog [Homo sapiens] | 1.46 | 23 | 1 | 2 | 14 | 1.099 | 6 | 17.4 | 1.801 | 6 | 39.0 | 116.85 | 1.46 | 5 | 14 | 685 | 75.6 | 9.79 |
| 7706663 | COMM domain-containing protein 10 [Homo sapiens] | 5.94 | 1 | 1 | 1 | 3 | 1.099 | 1 |  | 1.205 | 1 |  | 269.18 | 5.94 | 3 | 3 | 202 | 23.0 | 6.54 |
| 530420132 | PREDICTED: eukaryotic translation initiation factor 3 subunit L isof | 2.79 | 4 | 1 | 1 | 3 | 1.099 | 1 |  | 1.197 | 1 |  | 174.81 | 2.79 | 3 | 3 | 466 | 55.1 | 8.95 |
| 530403277 | PREDICTED: apoptotic chromatin condensation inducer in the nucl | 1.72 | 7 | 1 | 1 | 3 | 1.098 | 1 |  | 1.097 | 1 |  | 60.02 | 1.72 | 3 | 3 | 583 | 67.5 | 7.59 |
| 530417087 | PREDICTED: U1 small nuclear ribonucleoprotein 70 kDa isoform X2 | 2.57 | 2 | 1 | 1 | 3 | 1.098 | 1 |  | 0.987 | 1 |  | 147.29 | 2.57 | 3 | 3 | 428 | 50.6 | 9.89 |
| 530391650 | PREDICTED: actin-related protein 2/3 complex subunit 5-like prote | 16.99 | 1 | 1 | 3 | 13 | 1.097 | 1 |  | 1.172 | 1 |  | 448.78 | 16.99 | 8 | 13 | 153 | 16.9 | 6.60 |
| 530368776 | PREDICTED: E3 SUMO-protein ligase RanBP2 isoform X5 [Homo sa | 0.45 | 32 | 1 | 2 | 8 | 1.096 | 1 |  | 1.175 | 1 |  | 103.57 | 0.45 | 6 | 8 | 3136 | 348.8 | 6.16 |
| 10880134 | beta-arrestin-1 isoform B [Homo sapiens] | 6.10 | 8 | 1 | 2 | 13 | 1.095 | 2 | 13.0 | 0.953 | 2 | 47.0 | 374.87 | 6.10 | 6 | 13 | 410 | 46.3 | 6.34 |
| 55925574 | AMP deaminase 2 isoform 3 [Homo sapiens] | 0.79 | 5 | 1 | 1 | 2 | 1.094 | 1 |  | 1.097 | 1 |  | 31.76 | 0.79 | 2 | 2 | 760 | 88.1 | 6.20 |
| 10863901 | MAP kinase-activated protein kinase 2 isoform 1 [Homo sapiens] | 3.24 | 3 | 1 | 1 | 3 | 1.094 | 1 |  | 1.415 | 1 |  | 91.59 | 3.24 | 3 | 3 | 370 | 42.2 | 8.25 |
| 530397816 | PREDICTED: probable ATP-dependent RNA helicase DDX6 isoform | 7.87 | 2 | 2 | 2 | 5 | 1.092 | 2 | 8.3 | 1.065 | 2 | 87.1 | 215.88 | 7.87 | 5 | 5 | 483 | 54.4 | 8.66 |
| 530385513 | PREDICTED: RUN domain-containing protein 3B isoform X3 [Homo | 1.79 | 1 | 1 | 1 | 1 | 1.091 | 1 |  | 1.413 | 1 |  | 30.87 | 1.79 | 1 | 1 | 336 | 37.6 | 4.88 |
| 55743118 | rab3 GTPase-activating protein catalytic subunit isoform 2 [Homo s | 0.82 | 2 | 1 | 1 | 2 | 1.091 | 1 |  | 1.069 | 1 |  | 38.94 | 0.82 | 2 | 2 | 981 | 110.5 | 5.55 |
| 578822867 | PREDICTED: lymphoid-restricted membrane protein isoform X10 [H | 2.91 | 2 | 1 | 1 | 4 | 1.091 | 2 | 10.9 | 1.068 | 2 | 5.1 | 74.92 | 2.91 | 2 | 4 | 446 | 50.4 | 6.25 |
| 530375083 | PREDICTED: coiled-coil domain-containing protein KIAA1407 isofor | 1.95 | 3 | 2 | 2 | 3 | 1.091 | 2 | 10.3 | 1.512 | 2 | 50.9 | 30.55 | 1.95 | 3 | 3 | 615 | 72.4 | 9.83 |
| 578829954 | PREDICTED: phosphoribosylformylglycinamidine synthase isoform | 1.27 | 2 | 1 | 1 | 1 | 1.090 | 1 |  | 1.076 | 1 |  | 35.50 | 1.27 | 1 | 1 | 947 | 102.1 | 5.91 |
| 93102375 | protein FAM114A2 [Homo sapiens] | 2.18 | 2 | 1 | 1 | 3 | 1.090 | 1 |  | 1.004 | 1 |  | 220.81 | 2.18 | 3 | 3 | 505 | 55.4 | 4.88 |
| 7706423 | U6 snRNA-associated Sm-like protein LSm7 [Homo sapiens] | 32.04 | 1 | 2 | 2 | 8 | 1.088 | 3 | 5.9 | 1.295 | 3 | 12.4 | 233.57 | 32.04 | 6 | 8 | 103 | 11.6 | 5.27 |
| 58530845 | zyxin [Homo sapiens] | 9.44 | 3 | 3 | 3 | 15 | 1.088 | 5 | 3.5 | 1.126 | 5 | 19.4 | 702.81 | 9.44 | 9 | 15 | 572 | 61.2 | 6.67 |
| 554595586 | replication protein A 32 kDa subunit isoform 2 [Homo sapiens] | 12.64 | 3 | 1 | 1 | 3 | 1.088 | 1 |  | 1.397 | 1 |  | 185.33 | 12.64 | 3 | 3 | 174 | 19.1 | 5.73 |
| 530364259 | PREDICTED: torsin-1A-interacting protein 2 isoform X3 [Homo sapi | 6.81 | 1 | 1 | 1 | 3 | 1.087 | 1 |  | 0.886 | 1 |  | 134.21 | 6.81 | 3 | 3 | 470 | 51.2 | 4.96 |
| 47271443 | serine/arginine-rich splicing factor 2 [Homo sapiens] | 11.76 | 2 | 2 | 2 | 8 | 1.087 | 3 | 3.1 | 1.827 | 3 | 153.2 | 374.50 | 11.76 | 5 | 8 | 221 | 25.5 | 11.85 |
| 530398409 | PREDICTED: tRNA pseudouridine(38/39) synthase isoform X2 [Hon | 3.98 | 3 | 1 | 1 | 1 | 1.087 | 1 |  | 1.409 | 1 |  | 24.38 | 3.98 | 1 | 1 | 176 | 20.3 | 9.35 |
| 574274815 | DNA ligase 1 isoform 3 [Homo sapiens] | 0.94 | 5 | 1 | 1 | 1 | 1.086 | 1 |  | 1.338 | 1 |  | 28.67 | 0.94 | 1 | 1 | 851 | 93.9 | 6.01 |
| 259013520 | kelch-like protein 35 [Homo sapiens] | 1.20 | 1 | 1 | 1 | 3 | 1.086 | 1 |  | 1.125 | 1 |  | 58.25 | 1.20 | 3 | 3 | 583 | 62.9 | 7.83 |
| 530373508 | PREDICTED: serine/threonine-protein kinase OSR1 isoform X1 [Hor | 1.74 | 2 | 1 | 1 | 2 | 1.086 | 1 |  | 1.097 | 1 |  | 39.40 | 1.74 | 2 | 2 | 460 | 50.6 | 7.02 |
| 530402140 | PREDICTED: S-formylglutathione hydrolase isoform X1 [Homo sapi | 39.01 | 1 | 7 | 7 | 28 | 1.085 | 10 | 4.9 | 1.115 | 10 | 7.8 | 998.38 | 39.01 | 19 | 28 | 282 | 31.4 | 7.02 |
| 7657236 | inositol monophosphatase 2 [Homo sapiens] | 7.99 | 1 | 1 | 1 | 3 | 1.085 | 1 |  | 0.980 | 1 |  | 264.24 | 7.99 | 3 | 3 | 288 | 31.3 | 6.61 |
| 324021716 | serine/threonine-protein phosphatase 5 isoform 2 [Homo sapiens] | 2.31 | 2 | 1 | 1 | 1 | 1.085 | 1 |  | 1.184 | 1 |  | 20.04 | 2.31 | 1 | 1 | 477 | 54.4 | 6.27 |
| 6996021 | cytochrome b-245 heavy chain [Homo sapiens] | 2.98 | 1 | 1 | 1 | 2 | 1.084 | 1 |  | 1.276 | 1 |  | 102.68 | 2.98 | 2 | 2 | 570 | 65.3 | 8.63 |
| 94721252 | vesicle-associated membrane protein-associated protein A isoform | 5.62 | 2 | 1 | 1 | 3 | 1.084 | 1 |  | 1.005 | 1 |  | 73.89 | 5.62 | 3 | 3 | 249 | 27.9 | 8.62 |
| 530393504 | PREDICTED: annexin A7 isoform X2 [Homo sapiens] | 3.76 | 4 | 1 | 1 | 3 | 1.083 | 1 |  | 1.128 | 1 |  | 361.15 | 3.76 | 3 | 3 | 426 | 46.0 | 7.18 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 388240801 | lamin-B2 [Homo sapiens] | 7.90 | 1 | 4 | 4 | 15 | 1.082 | 5 | 1.2 | 1.088 | 5 | 8.5 | 838.25 | 7.90 | 12 | 15 | 620 | 69.9 | 5.59 |
| 53831995 | splicing factor 3A subunit 1 isoform 2 [Homo sapiens] | 1.24 | 2 | 1 | 1 | 1 | 1.082 | 1 | | 1.217 | 1 | | 30.64 | 1.24 | 1 | 1 | 728 | 81.6 | 5.34 |
| 578806449 | PREDICTED: protein SEC13 homolog isoform X6 [Homo sapiens] | 4.87 | 6 | 1 | 1 | 1 | 1.082 | 1 | | 1.102 | 1 | | 31.60 | 4.87 | 1 | 1 | 308 | 34.0 | 5.72 |
| 530407875 | PREDICTED: RNA-binding protein FUS isoform X3 [Homo sapiens] | 10.28 | 6 | 2 | 2 | 9 | 1.082 | 3 | 0.9 | 1.071 | 3 | 14.3 | 404.85 | 10.28 | 6 | 9 | 321 | 33.2 | 9.17 |
| 4507129 | small nuclear ribonucleoprotein E [Homo sapiens] | 27.17 | 1 | 1 | 1 | 3 | 1.081 | 1 | | 0.764 | 1 | | 232.16 | 27.17 | 3 | 3 | 92 | 10.8 | 9.44 |
| 19923236 | nuclear autoantigen Sp-100 isoform 2 [Homo sapiens] | 3.30 | 6 | 1 | 5 | 30 | 1.081 | 1 | | | | | 359.62 | 3.30 | 12 | 30 | 879 | 100.4 | 8.22 |
| 578819255 | PREDICTED: AP-3 complex subunit mu-1 isoform X1 [Homo sapien | 5.98 | 8 | 2 | 2 | 10 | 1.081 | 1 | | 1.422 | 1 | | 237.75 | 5.98 | 6 | 10 | 418 | 46.9 | 6.93 |
| 254028213 | IQ domain-containing protein F6 [Homo sapiens] | 6.54 | 2 | 1 | 1 | 1 | 1.081 | 1 | | 1.263 | 1 | | 40.23 | 6.54 | 1 | 1 | 107 | 13.1 | 11.71 |
| 530387046 | PREDICTED: GTPase IMAP family member 4 isoform X2 [Homo sap | 2.63 | 10 | 1 | 1 | 1 | 1.080 | 1 | | 1.342 | 1 | | 0.00 | 2.63 | 1 | 1 | 190 | 22.6 | 5.59 |
| 112293277 | dnaJ homolog subfamily C member 8 [Homo sapiens] | 7.51 | 1 | 2 | 2 | 8 | 1.080 | 3 | 8.1 | 1.308 | 3 | 22.7 | 240.32 | 7.51 | 6 | 8 | 253 | 29.8 | 9.06 |
| 11225260 | DNA topoisomerase 1 [Homo sapiens] | 3.92 | 6 | 3 | 3 | 12 | 1.080 | 4 | 3.1 | 1.191 | 4 | 8.3 | 446.30 | 3.92 | 9 | 12 | 765 | 90.7 | 9.31 |
| 282847476 | peptidyl-prolyl cis-trans isomerase NIMA-interacting 4 isoform 2 [H | 9.02 | 2 | 1 | 1 | 3 | 1.080 | 1 | | 1.132 | 1 | | 181.18 | 9.02 | 3 | 3 | 133 | 14.2 | 10.15 |
| 24431933 | reticulon-4 isoform B [Homo sapiens] | 12.33 | 3 | 2 | 2 | 11 | 1.080 | 4 | 5.9 | 1.102 | 3 | 16.1 | 429.67 | 12.33 | 5 | 11 | 373 | 40.3 | 4.78 |
| 115495445 | ankyrin repeat domain-containing protein 30A [Homo sapiens] | 0.75 | 2 | 1 | 1 | 2 | 1.080 | 2 | 5.0 | 1.250 | 2 | 0.3 | 33.95 | 0.75 | 1 | 2 | 1341 | 152.6 | 6.33 |
| 119703753 | keratin, type II cytoskeletal 6B [Homo sapiens] | 25.00 | 16 | 1 | 16 | 89 | 1.080 | 2 | 2.2 | 1.108 | 2 | 6.8 | 3056.47 | 25.00 | 42 | 89 | 564 | 60.0 | 8.00 |
| 4885217 | DNA repair endonuclease XPF [Homo sapiens] | 1.86 | 1 | 1 | 1 | 1 | 1.079 | 1 | | 1.558 | 1 | | 28.19 | 1.86 | 1 | 1 | 916 | 104.4 | 6.93 |
| 40556376 | putative oxidoreductase GLYR1 [Homo sapiens] | 3.62 | 5 | 2 | 2 | 7 | 1.079 | 3 | 0.3 | 1.095 | 3 | 5.6 | 209.82 | 3.62 | 5 | 7 | 553 | 60.5 | 9.17 |
| 530365976 | PREDICTED: serologically defined colon cancer antigen 8 isoform X | 1.48 | 9 | 1 | 1 | 4 | 1.079 | 2 | 1.6 | 1.384 | 2 | 7.1 | 36.20 | 1.48 | 3 | 4 | 406 | 47.8 | 5.96 |
| 7669542 | paired box protein Pax-8 isoform PAX8E [Homo sapiens] | 2.09 | 4 | 1 | 1 | 2 | 1.079 | 1 | | 0.786 | 1 | | 31.20 | 2.09 | 2 | 2 | 287 | 31.0 | 8.54 |
| 6857820 | phosphatidylinositol 5-phosphate 4-kinase type-2 alpha [Homo sap | 3.45 | 1 | 1 | 1 | 6 | 1.078 | 2 | 7.8 | 1.142 | 2 | 0.9 | 319.10 | 3.45 | 3 | 6 | 406 | 46.2 | 6.99 |
| 7657381 | pre-mRNA-processing factor 19 [Homo sapiens] | 4.56 | 1 | 1 | 1 | 3 | 1.078 | 1 | | 2.036 | 1 | | 163.64 | 4.56 | 3 | 3 | 504 | 55.1 | 6.61 |
| 6912356 | echinoderm microtubule-associated protein-like 2 isoform 2 [Homo | 3.39 | 5 | 2 | 2 | 6 | 1.078 | 2 | 10.1 | 0.972 | 2 | 16.9 | 272.93 | 3.39 | 6 | 6 | 649 | 70.6 | 6.32 |
| 4502961 | collagen alpha-1(VII) chain precursor [Homo sapiens] | 0.37 | 1 | 1 | 1 | 1 | 1.077 | 1 | | | | | 38.71 | 0.37 | 1 | 1 | 2944 | 295.0 | 6.27 |
| 4501893 | alpha-actinin-2 isoform 1 [Homo sapiens] | 18.57 | 41 | 1 | 16 | 127 | 1.077 | 1 | | 1.642 | 1 | | 5178.23 | 18.57 | 41 | 127 | 894 | 103.8 | 5.45 |
| 530419254 | PREDICTED: pericentrin isoform X6 [Homo sapiens] | 0.25 | 7 | 1 | 1 | 1 | 1.077 | 1 | | | | | 21.43 | 0.25 | 1 | 1 | 3139 | 355.7 | 5.47 |
| 59859885 | 40S ribosomal protein SA [Homo sapiens] | 25.76 | 1 | 4 | 4 | 10 | 1.077 | 4 | 4.3 | 1.188 | 4 | 24.3 | 503.63 | 25.76 | 10 | 10 | 295 | 32.8 | 4.87 |
| 530387776 | PREDICTED: acid ceramidase isoform X1 [Homo sapiens] | 1.88 | 3 | 1 | 1 | 3 | 1.077 | 1 | | 1.274 | 1 | | 130.64 | 1.88 | 3 | 3 | 373 | 42.6 | 6.90 |
| 194018522 | eukaryotic peptide chain release factor GTP-binding subunit ERF3A | 3.21 | 6 | 1 | 1 | 6 | 1.076 | 2 | 7.6 | 1.252 | 2 | 14.9 | 255.01 | 3.21 | 3 | 6 | 499 | 55.7 | 5.62 |
| 530425819 | PREDICTED: adipocyte plasma membrane-associated protein isofo | 3.11 | 2 | 1 | 1 | 3 | 1.076 | 1 | | 1.116 | 1 | | 93.31 | 3.11 | 3 | 3 | 289 | 32.1 | 5.85 |
| 156564401 | vesicle-fusing ATPase [Homo sapiens] | 2.82 | 2 | 2 | 2 | 8 | 1.076 | 3 | 19.1 | 1.110 | 3 | 5.6 | 241.71 | 2.82 | 5 | 8 | 744 | 82.5 | 6.95 |
| 145386517 | phostensin [Homo sapiens] | 3.75 | 1 | 1 | 1 | 9 | 1.075 | 3 | 1.8 | 0.992 | 3 | 9.8 | 583.45 | 3.75 | 3 | 9 | 613 | 67.9 | 5.40 |
| 55770888 | early endosome antigen 1 [Homo sapiens] | 0.99 | 2 | 1 | 1 | 3 | 1.075 | 1 | | 0.816 | 1 | | 144.21 | 0.99 | 3 | 3 | 1411 | 162.4 | 5.66 |
| 17986001 | major histocompatibility complex, class I, B precursor [Homo sapie | 9.39 | 11 | 2 | 2 | 6 | 1.075 | 2 | 9.1 | 1.334 | 2 | 26.0 | 325.26 | 9.39 | 6 | 6 | 362 | 40.4 | 5.85 |
| 38044112 | CAP-Gly domain-containing linker protein 1 isoform b [Homo sapie | 0.43 | 8 | 1 | 1 | 3 | 1.075 | 1 | | **2.513** | 1 | | 47.88 | 0.43 | 3 | 3 | 1392 | 156.7 | 5.36 |
| 122937345 | unconventional myosin-Vb [Homo sapiens] | 0.43 | 1 | 2 | 2 | 16 | 1.075 | 2 | 27.9 | 1.534 | 2 | 2.1 | 276.74 | 0.43 | 4 | 16 | 1848 | 213.5 | 7.20 |
| 4503507 | eukaryotic translation initiation factor 2 subunit 3 [Homo sapiens] | 7.20 | 17 | 3 | 4 | 11 | 1.075 | 3 | 0.9 | 1.163 | 3 | 5.7 | 234.75 | 7.20 | 11 | 11 | 472 | 51.1 | 8.40 |
| 254540132 | myeloma-overexpressed gene 2 protein isoform 2 [Homo sapiens] | 35.09 | 1 | 1 | 1 | 3 | 1.074 | 1 | | 1.113 | 1 | | 114.93 | 35.09 | 3 | 3 | 57 | 6.2 | 3.83 |
| 46909584 | cAMP-dependent protein kinase catalytic subunit alpha isoform 2 [H | 13.70 | 18 | 5 | 5 | 17 | 1.074 | 6 | 6.5 | 1.334 | 6 | 30.9 | 547.04 | 13.70 | 14 | 17 | 343 | 39.8 | 8.66 |
| 578829028 | PREDICTED: lysophosphatidylcholine acyltransferase 2 isoform X2 | 2.46 | 2 | 1 | 1 | 5 | 1.074 | 2 | 23.2 | 1.279 | 2 | 18.4 | 204.28 | 2.46 | 3 | 5 | 488 | 54.4 | 5.91 |
| 530360665 | PREDICTED: protein LZIC isoform X5 [Homo sapiens] | 15.79 | 2 | 2 | 2 | 9 | 1.074 | 3 | 3.2 | 1.204 | 3 | 6.5 | 466.47 | 15.79 | 6 | 9 | 190 | 21.5 | 4.94 |
| 25777612 | 26S proteasome non-ATPase regulatory subunit 3 [Homo sapiens] | 5.24 | 1 | 2 | 2 | 5 | 1.074 | 2 | 4.4 | 0.691 | 2 | 68.5 | 309.17 | 5.24 | 5 | 5 | 534 | 60.9 | 8.44 |
| 4506715 | 40S ribosomal protein S28 [Homo sapiens] | 17.39 | 1 | 1 | 1 | 3 | 1.074 | 1 | | 1.133 | 1 | | 199.62 | 17.39 | 3 | 3 | 69 | 7.8 | 10.70 |
| 378404908 | glyceraldehyde-3-phosphate dehydrogenase isoform 2 [Homo sapi | 92.83 | 3 | 1 | 25 | 1693 | 1.073 | 1 | | 1.176 | 1 | | 89140.91 | 92.83 | 74 | 1693 | 293 | 31.5 | 7.61 |
| 47458820 | signal transducer and activator of transcription 3 isoform 3 [Homo | 2.49 | 6 | 1 | 1 | 5 | 1.073 | 2 | 5.9 | 0.957 | 2 | 6.2 | 271.50 | 2.49 | 3 | 5 | 722 | 83.1 | 7.12 |
| 291190772 | platelet glycoprotein Ib alpha chain precursor [Homo sapiens] | 1.53 | 1 | 1 | 1 | 3 | 1.073 | 1 | | 1.098 | 1 | | 74.89 | 1.53 | 3 | 3 | 652 | 71.5 | 6.29 |
| 117676370 | tumor necrosis factor alpha-induced protein 8 isoform b [Homo sap | 14.89 | 5 | 2 | 2 | 9 | 1.072 | 3 | 0.8 | 1.395 | 3 | 11.3 | 662.65 | 14.89 | 6 | 9 | 188 | 21.9 | 8.75 |
| 112382370 | folate receptor gamma precursor [Homo sapiens] | 3.27 | 1 | 1 | 1 | 3 | 1.072 | 1 | | 1.036 | 1 | | 146.16 | 3.27 | 3 | 3 | 245 | 27.9 | 7.66 |
| 15826852 | Golgi resident protein GCP60 [Homo sapiens] | 4.55 | 1 | 1 | 1 | 3 | 1.072 | 1 | | 1.209 | 1 | | 236.80 | 4.55 | 3 | 3 | 528 | 60.6 | 5.06 |
| 530396980 | PREDICTED: lysosomal Pro-X carboxypeptidase isoform X1 [Homo | 7.67 | 3 | 2 | 2 | 11 | 1.071 | 4 | 5.7 | 1.236 | 4 | 32.8 | 435.62 | 7.67 | 6 | 11 | 391 | 43.9 | 6.30 |
| 530413911 | PREDICTED: DNA endonuclease RBBP8 isoform X2 [Homo sapiens] | 1.28 | 4 | 1 | 1 | 1 | 1.071 | 1 | | | | | 28.83 | 1.28 | 1 | 1 | 623 | 70.5 | 6.51 |
| 578818376 | PREDICTED: selenide, water dikinase 1 isoform X1 [Homo sapiens] | 6.92 | 4 | 2 | 2 | 5 | 1.070 | 2 | 5.2 | 1.136 | 2 | 8.3 | 289.46 | 6.92 | 5 | 5 | 390 | 42.7 | 5.97 |
| 601984520 | polyubiquitin-C [Homo sapiens] | 80.15 | 7 | 9 | 9 | 100 | 1.069 | 36 | 11.6 | 1.127 | 36 | 8.2 | 3936.83 | 80.15 | 26 | 100 | 685 | 77.0 | 7.66 |
| 578804376 | PREDICTED: bifunctional purine biosynthesis protein PURH isoform | 7.32 | 2 | 3 | 3 | 12 | 1.069 | 5 | 4.7 | 1.152 | 5 | 12.3 | 322.11 | 7.32 | 8 | 12 | 533 | 58.6 | 6.84 |
| 16418381 | vacuolar protein sorting-associated protein 26B [Homo sapiens] | 5.36 | 1 | 1 | 1 | 3 | 1.069 | 1 | | 1.072 | 1 | | 191.86 | 5.36 | 3 | 3 | 336 | 39.1 | 7.36 |
| 530380512 | PREDICTED: histidine--tRNA ligase, cytoplasmic isoform X1 [Homo | 11.14 | 9 | 2 | 5 | 13 | 1.069 | 2 | 5.5 | 1.060 | 2 | 20.1 | 400.68 | 11.14 | 13 | 13 | 440 | 49.6 | 5.41 |
| 34734066 | fibulin-1 isoform D precursor [Homo sapiens] | 10.53 | 3 | 1 | 7 | 21 | 1.068 | 2 | 1.0 | 1.116 | 2 | 8.9 | 558.05 | 10.53 | 19 | 21 | 703 | 77.2 | 5.26 |
| 530381810 | PREDICTED: phosphatidylinositol-glycan-specific phospholipase D i | 4.87 | 2 | 3 | 3 | 8 | 1.068 | 3 | 7.2 | 1.135 | 3 | 4.9 | 280.12 | 4.87 | 8 | 8 | 677 | 73.7 | 6.16 |
| 334278906 | vascular non-inflammatory molecule 2 isoform 3 precursor [Homo s | 4.35 | 4 | 1 | 1 | 3 | 1.068 | 1 | | 1.222 | 1 | | 132.68 | 4.35 | 3 | 3 | 299 | 33.2 | 6.13 |
| 194018472 | plasma serine protease inhibitor preproprotein [Homo sapiens] | 4.68 | 1 | 2 | 2 | 4 | 1.068 | 2 | 5.7 | 0.802 | 2 | 60.0 | 110.73 | 4.68 | 4 | 4 | 406 | 45.6 | 9.26 |
| 4826932 | peptidyl-prolyl cis-trans isomerase D [Homo sapiens] | 7.84 | 6 | 1 | 2 | 7 | 1.068 | 1 | | 1.060 | 1 | | 148.62 | 7.84 | 5 | 7 | 370 | 40.7 | 7.21 |
| 4826972 | RNA-binding protein 8A [Homo sapiens] | 6.32 | 1 | 1 | 1 | 3 | 1.068 | 1 | | 1.234 | 1 | | 192.61 | 6.32 | 3 | 3 | 174 | 19.9 | 5.72 |
| 4557797 | nucleoside diphosphate kinase A isoform b [Homo sapiens] | 56.58 | 6 | 1 | 9 | 120 | 1.067 | 2 | 0.8 | 1.096 | 2 | 4.0 | 4500.07 | 56.58 | 26 | 120 | 152 | 17.1 | 6.19 |
| 578798984 | PREDICTED: ubiA prenyltransferase domain-containing protein 1 is | 4.74 | 2 | 1 | 1 | 3 | 1.067 | 2 | 2.4 | **3.986** | 2 | 33.6 | 31.71 | 4.74 | 2 | 3 | 211 | 22.8 | 7.72 |
| 45545435 | COMM domain-containing protein 2 [Homo sapiens] | 12.06 | 1 | 1 | 1 | 6 | 1.067 | 2 | 2.3 | 1.359 | 2 | 10.0 | 417.46 | 12.06 | 3 | 6 | 199 | 22.7 | 6.73 |
| 578817031 | PREDICTED: kinesin-like protein KIF12 isoform X8 [Homo sapiens] | 1.10 | 1 | 1 | 1 | 2 | 1.066 | 1 | | 1.873 | 1 | | 37.77 | 1.10 | 2 | 2 | 635 | 69.1 | 8.73 |
| 14790115 | caspase-3 preproprotein [Homo sapiens] | 6.86 | 1 | 2 | 2 | 6 | 1.066 | 2 | 0.1 | 0.990 | 2 | 21.0 | 190.58 | 6.86 | 6 | 6 | 277 | 31.6 | 6.54 |
| 5174655 | reticulon-3 isoform a [Homo sapiens] | 7.20 | 5 | 1 | 2 | 7 | 1.066 | 2 | 10.1 | 1.095 | 2 | 1.1 | 280.10 | 7.20 | 4 | 7 | 236 | 25.6 | 8.51 |
| 28416940 | ribosome maturation protein SBDS [Homo sapiens] | 4.00 | 1 | 1 | 1 | 3 | 1.066 | 1 | | 1.150 | 1 | | 67.17 | 4.00 | 3 | 3 | 250 | 28.7 | 8.75 |
| 578815658 | PREDICTED: aspartyl/asparaginyl beta-hydroxylase isoform X18 [H | 1.24 | 18 | 1 | 1 | 1 | 1.065 | 1 | | 1.825 | 1 | | 24.92 | 1.24 | 1 | 1 | 563 | 64.9 | 6.04 |
| 4885385 | histone H3.3 [Homo sapiens] | 54.41 | 2 | 1 | 8 | 62 | 1.065 | 3 | 0.0 | 1.425 | 2 | 46.9 | 1681.57 | 54.41 | 23 | 62 | 136 | 15.3 | 11.27 |
| 578809225 | PREDICTED: ubiquitin-like modifier-activating enzyme 6 isoform X1 | 2.87 | 9 | 3 | 3 | 7 | 1.065 | 2 | 10.5 | 1.230 | 2 | 6.3 | 218.65 | 2.87 | 7 | 7 | 977 | 110.2 | 6.24 |
| 385731627 | UPF0687 protein C20orf27 isoform 2 [Homo sapiens] | 24.71 | 2 | 3 | 3 | 14 | 1.065 | 5 | 3.3 | 1.147 | 5 | 11.7 | 706.85 | 24.71 | 9 | 14 | 174 | 19.3 | 6.84 |
| 578824714 | PREDICTED: protein sprouty homolog 2 isoform X2 [Homo sapiens | 5.71 | 1 | 1 | 1 | 6 | 1.065 | 1 | | | | | 42.64 | 5.71 | 2 | 6 | 315 | 34.7 | 8.35 |
| 40217847 | U5 small nuclear ribonucleoprotein 200 kDa helicase [Homo sapien | 1.59 | 1 | 2 | 2 | 8 | 1.065 | 3 | 12.2 | 0.882 | 3 | 1.9 | 414.75 | 1.59 | 5 | 8 | 2136 | 244.4 | 6.06 |
| 578832788 | PREDICTED: thioredoxin-like protein 1 isoform X2 [Homo sapiens] | 27.06 | 3 | 4 | 4 | 12 | 1.065 | 4 | 11.5 | 1.097 | 4 | 1.5 | 721.93 | 27.06 | 12 | 12 | 255 | 28.5 | 4.83 |
| 530389397 | PREDICTED: protein LYRIC isoform X2 [Homo sapiens] | 3.10 | 4 | 2 | 2 | 5 | 1.065 | 2 | 9.0 | 1.122 | 2 | 9.5 | 183.29 | 3.10 | 4 | 5 | 549 | 60.1 | 9.48 |
| 38202257 | neutral alpha-glucosidase AB isoform 2 precursor [Homo sapiens] | 7.31 | 5 | 4 | 4 | 12 | 1.064 | 4 | 11.1 | 1.213 | 4 | 7.5 | 537.08 | 7.31 | 12 | 12 | 944 | 106.8 | 6.14 |
| 323510690 | serine/threonine-protein kinase Nek2 isoform 2 [Homo sapiens] | 1.82 | 4 | 1 | 1 | 3 | 1.064 | 1 | | 1.245 | 1 | | 74.40 | 1.82 | 2 | 3 | 384 | 44.9 | 8.41 |
| 41327764 | aflatoxin B1 aldehyde reductase member 2 [Homo sapiens] | 11.70 | 1 | 3 | 3 | 9 | 1.064 | 3 | 5.0 | 1.093 | 3 | 2.2 | 561.72 | 11.70 | 9 | 9 | 359 | 39.6 | 7.17 |
| 24430151 | 26S protease regulatory subunit 4 [Homo sapiens] | 10.68 | 1 | 3 | 3 | 12 | 1.063 | 5 | 2.5 | 1.112 | 5 | 4.7 | 441.35 | 10.68 | 9 | 12 | 440 | 49.2 | 6.21 |
| 661903023 | hepatocyte growth factor activator isoform 1 preproprotein [Homo | 2.11 | 2 | 1 | 2 | 5 | 1.063 | 1 | | 1.198 | 1 | | 90.91 | 2.11 | 5 | 5 | 662 | 71.4 | 7.05 |
| 299829184 | cytoplasmic protein NCK1 isoform 2 [Homo sapiens] | 3.19 | 2 | 1 | 1 | 3 | 1.062 | 1 | | 1.047 | 1 | | 98.72 | 3.19 | 3 | 3 | 313 | 35.5 | 5.72 |
| 5901922 | hsp90 co-chaperone Cdc37 [Homo sapiens] | 11.11 | 1 | 4 | 5 | 16 | 1.062 | 4 | 6.5 | 1.114 | 4 | 12.3 | 520.10 | 11.11 | 13 | 16 | 378 | 44.4 | 5.25 |
| 530396842 | PREDICTED: serine/threonine-protein kinase PAK 1 isoform X2 [Ho | 3.49 | 3 | 1 | 2 | 5 | 1.062 | 1 | | **2.878** | 1 | | 116.04 | 3.49 | 5 | 5 | 545 | 60.6 | 5.76 |
| 270132935 | ras-responsive element-binding protein 1 isoform 3 [Homo sapiens | 0.75 | 3 | 1 | 1 | 1 | 1.062 | 1 | | 0.999 | 1 | | 30.14 | 0.75 | 1 | 1 | 1476 | 159.2 | 8.15 |
| 414144872 | coatomer subunit zeta-1 isoform 3 [Homo sapiens] | 6.25 | 3 | 1 | 1 | 3 | 1.061 | 1 | | 1.252 | 1 | | 123.45 | 6.25 | 3 | 3 | 160 | 18.4 | 4.91 |
| 578798192 | PREDICTED: inaD-like protein isoform X11 [Homo sapiens] | 0.46 | 8 | 1 | 1 | 9 | 1.061 | 3 | 1.5 | 1.211 | 3 | 19.3 | 241.24 | 0.46 | 3 | 9 | 1296 | 142.5 | 4.84 |
| 4506743 | 40S ribosomal protein S8 [Homo sapiens] | 5.29 | 3 | 1 | 1 | 3 | 1.061 | 1 | | 1.177 | 1 | | 183.64 | 5.29 | 3 | 3 | 208 | 24.2 | 10.32 |
| 384367993 | COP9 signalosome complex subunit 4 isoform 2 [Homo sapiens] | 11.93 | 57 | 2 | 3 | 7 | 1.061 | 2 | 4.1 | 1.018 | 2 | 0.1 | 191.17 | 11.93 | 7 | 7 | 352 | 40.2 | 6.95 |
| 578827388 | PREDICTED: endonuclease 8-like 1 isoform X7 [Homo sapiens] | 1.28 | 5 | 1 | 1 | 1 | 1.061 | 1 | | 1.075 | 1 | | 22.12 | 1.28 | 1 | 1 | 390 | 43.7 | 9.92 |
| 222080070 | pleckstrin homology domain-containing family G member 6 isoform | 0.79 | 3 | 1 | 1 | 4 | 1.060 | 2 | 1.9 | 2.049 | 2 | 65.9 | 34.02 | 0.79 | 2 | 4 | 758 | 85.4 | 6.86 |
| 31377806 | polymeric immunoglobulin receptor precursor [Homo sapiens] | 2.49 | 2 | 1 | 1 | 3 | 1.060 | 1 | | 1.007 | 1 | | 139.70 | 2.49 | 3 | 3 | 764 | 83.2 | 5.74 |
| 109689695 | transient receptor potential cation channel subfamily M member 8 | 0.72 | 1 | 1 | 1 | 1 | 1.060 | 1 | | 1.787 | 1 | | 28.64 | 0.72 | 1 | 1 | 1104 | 127.6 | 7.24 |
| 4757818 | V-type proton ATPase subunit G 1 [Homo sapiens] | 16.95 | 1 | 2 | 2 | 9 | 1.060 | 3 | 6.0 | 1.122 | 3 | 5.7 | 363.86 | 16.95 | 6 | 9 | 118 | 13.7 | 8.79 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7706425 | LSM8 homolog, U6 small nuclear RNA associated [Homo sapiens] | 7.29 | 1 | 1 | 1 | 3 | 1.060 | 1 |  | 1.157 | 1 |  | 131.96 | 7.29 | 3 | 3 | 96 | 10.4 | 4.48 |
| 289629267 | protein transport protein Sec23B isoform 2 [Homo sapiens] | 2.67 | 4 | 2 | 2 | 5 | 1.060 | 2 | 0.8 | 1.056 | 1 |  | 247.26 | 2.67 | 5 | 5 | 749 | 84.4 | 6.99 |
| 55956788 | nucleolin [Homo sapiens] | 17.61 | 1 | 10 | 10 | 52 | 1.059 | 18 | 7.7 | 1.086 | 18 | 10.8 | 2558.16 | 17.61 | 30 | 52 | 710 | 76.6 | 4.70 |
| 578832299 | PREDICTED: N-acetyltransferase ESCO1 isoform X2 [Homo sapiens | 1.24 | 2 | 1 | 1 | 3 | 1.059 | 1 |  | 1.044 | 1 |  | 43.15 | 1.24 | 3 | 3 | 565 | 63.5 | 9.45 |
| 145312241 | differentially expressed in FDCP 6 homolog [Homo sapiens] | 9.35 | 1 | 4 | 4 | 13 | 1.059 | 5 | 2.6 | 1.398 | 5 | 29.5 | 567.89 | 9.35 | 11 | 13 | 631 | 73.9 | 6.05 |
| 226443152 | alpha/beta hydrolase domain-containing protein 14B isoform 1 [Ho | 11.43 | 1 | 2 | 2 | 6 | 1.059 | 2 | 1.2 | 1.705 | 2 | 60.8 | 265.95 | 11.43 | 6 | 6 | 210 | 22.3 | 6.40 |
| 618468299 | dynein light chain Tctex-type 1 isoform 3 [Homo sapiens] | 19.51 | 2 | 1 | 1 | 3 | 1.059 | 1 |  | 1.148 | 1 |  | 194.21 | 19.51 | 3 | 3 | 82 | 9.4 | 4.83 |
| 14161692 | calpain small subunit 2 [Homo sapiens] | 13.31 | 1 | 1 | 4 | 18 | 1.058 | 1 |  | 1.090 | 1 |  | 415.41 | 13.31 | 12 | 18 | 248 | 27.6 | 5.73 |
| 39777604 | rho guanine nucleotide exchange factor 1 isoform 3 [Homo sapiens | 11.04 | 9 | 8 | 8 | 29 | 1.058 | 11 | 3.7 | 1.142 | 11 | 14.4 | 1009.00 | 11.04 | 22 | 29 | 879 | 98.7 | 5.57 |
| 530385717 | PREDICTED: testin isoform X1 [Homo sapiens] | 4.17 | 3 | 1 | 1 | 6 | 1.058 | 2 | 6.8 | 1.170 | 2 | 10.4 | 316.97 | 4.17 | 3 | 6 | 336 | 38.2 | 7.65 |
| 14574568 | allograft inflammatory factor 1 isoform 3 [Homo sapiens] | 29.93 | 10 | 4 | 4 | 30 | 1.058 | 10 | 6.0 | 1.070 | 9 | 16.2 | 1164.03 | 29.93 | 12 | 30 | 147 | 16.7 | 6.24 |
| 284413778 | uncharacterized protein C2orf57 [Homo sapiens] | 1.52 | 1 | 1 | 1 | 3 | 1.057 | 1 |  | 1.114 | 1 |  | 54.35 | 1.52 | 3 | 3 | 395 | 41.6 | 5.12 |
| 31542306 | charged multivesicular body protein 1b [Homo sapiens] | 8.04 | 1 | 2 | 2 | 6 | 1.057 | 2 | 8.0 | 1.216 | 2 | 12.8 | 248.28 | 8.04 | 6 | 6 | 199 | 22.1 | 8.10 |
| 4507949 | 14-3-3 protein beta/alpha [Homo sapiens] | 82.93 | 1 | 9 | 20 | 246 | 1.057 | 35 | 13.7 | 1.171 | 35 | 14.4 | 8973.61 | 82.93 | 57 | 246 | 246 | 28.1 | 4.83 |
| 530412701 | PREDICTED: band 3 anion transport protein isoform X2 [Homo sap | 10.87 | 2 | 5 | 5 | 29 | 1.056 | 11 | 8.7 | 1.165 | 11 | 14.0 | 1879.45 | 10.87 | 14 | 29 | 846 | 94.1 | 6.16 |
| 38201644 | homeodomain-interacting protein kinase 1 isoform 4 [Homo sapien | 0.86 | 1 | 1 | 1 | 1 | 1.056 | 1 |  | 1.631 | 1 |  | 29.41 | 0.86 | 1 | 1 | 816 | 87.2 | 8.59 |
| 530424789 | PREDICTED: myosin regulatory light chain 12A isoform X1 [Homo s | 72.51 | 7 | 1 | 12 | 124 | 1.056 | 2 | 21.0 | **5.355** | 1 |  | 5207.88 | 72.51 | 35 | 124 | 171 | 19.8 | 4.81 |
| 256222019 | ras-related protein Rab-10 [Homo sapiens] | 22.50 | 20 | 2 | 4 | 32 | 1.055 | 5 | 3.6 | 1.278 | 5 | 17.2 | 1668.14 | 22.50 | 12 | 32 | 200 | 22.5 | 8.38 |
| 7662655 | sorting nexin-24 [Homo sapiens] | 5.33 | 3 | 1 | 1 | 3 | 1.055 | 1 |  | 1.647 | 1 |  | 77.49 | 5.33 | 3 | 3 | 169 | 19.8 | 7.24 |
| 578828704 | PREDICTED: centriolar coiled-coil protein of 110 kDa isoform X4 [H | 1.13 | 5 | 1 | 1 | 2 | 1.055 | 1 |  | 1.180 | 1 |  | 39.10 | 1.13 | 2 | 2 | 971 | 109.0 | 8.18 |
| 386869506 | 40S ribosomal protein S3 isoform 3 [Homo sapiens] | 24.79 | 3 | 2 | 2 | 4 | 1.055 | 2 | 0.6 | 1.168 | 2 | 0.2 | 217.75 | 24.79 | 4 | 4 | 117 | 12.6 | 9.28 |
| 14249348 | thioredoxin domain-containing protein 17 [Homo sapiens] | 30.08 | 1 | 3 | 3 | 9 | 1.055 | 3 | 2.7 | 1.205 | 3 | 0.7 | 397.42 | 30.08 | 9 | 9 | 123 | 13.9 | 5.52 |
| 46094058 | bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1 [Hc | 1.60 | 1 | 1 | 1 | 2 | 1.054 | 1 |  | **2.532** | 1 |  | 36.46 | 1.60 | 2 | 2 | 624 | 70.8 | 6.86 |
| 578819489 | PREDICTED: mannose-binding protein C isoform X4 [Homo sapiens | 26.32 | 3 | 4 | 4 | 10 | 1.054 | 4 | 3.2 | 1.214 | 4 | 13.3 | 418.68 | 26.32 | 10 | 10 | 152 | 16.9 | 6.13 |
| 13775198 | SH3 domain-binding glutamic acid-rich-like protein 3 [Homo sapien | 83.87 | 1 | 7 | 7 | 73 | 1.054 | 28 | 6.3 | 1.129 | 27 | 9.4 | 2836.98 | 83.87 | 20 | 73 | 93 | 10.4 | 4.93 |
| 24497519 | mannosyl-oligosaccharide 1,2-alpha-mannosidase IA [Homo sapien | 1.68 | 2 | 1 | 1 | 3 | 1.054 | 1 |  | 1.129 | 1 |  | 161.47 | 1.68 | 3 | 3 | 653 | 72.9 | 6.47 |
| 29826323 | alpha-adducin isoform c [Homo sapiens] | 2.06 | 8 | 1 | 1 | 3 | 1.054 | 1 |  | 1.205 | 1 |  | 164.71 | 2.06 | 3 | 3 | 631 | 69.9 | 6.46 |
| 33519455 | methionine adenosyltransferase 2 subunit beta isoform 2 [Homo sa | 3.72 | 2 | 1 | 1 | 1 | 1.054 | 1 |  | 1.153 | 1 |  | 28.32 | 3.72 | 1 | 1 | 323 | 36.4 | 6.65 |
| 41406082 | glutathione peroxidase 1 isoform 2 [Homo sapiens] | 10.20 | 2 | 1 | 1 | 3 | 1.054 | 1 |  | 1.226 | 1 |  | 138.99 | 10.20 | 3 | 3 | 98 | 10.3 | 10.23 |
| 7661880 | arf-GAP with coiled-coil, ANK repeat and PH domain-containing pro | 8.38 | 2 | 4 | 4 | 14 | 1.054 | 5 | 3.6 | 1.096 | 5 | 15.5 | 744.10 | 8.38 | 12 | 14 | 740 | 81.5 | 7.66 |
| 578834710 | PREDICTED: spectrin beta chain, non-erythrocytic 4 isoform X1 [Hc | 1.00 | 6 | 1 | 3 | 11 | 1.054 | 1 |  | 1.537 | 1 |  | 387.69 | 1.00 | 8 | 11 | 2394 | 270.1 | 5.67 |
| 530400291 | PREDICTED: protein phosphatase 1 regulatory subunit 12A isoform | 4.08 | 11 | 3 | 3 | 15 | 1.053 | 5 | 6.5 | 1.143 | 5 | 7.6 | 629.15 | 4.08 | 9 | 15 | 931 | 105.6 | 5.47 |
| 31742503 | histone H3.2 [Homo sapiens] | 61.03 | 3 | 1 | 9 | 74 | 1.053 | 6 | 1.7 | 1.639 | 5 | 7.2 | 2221.05 | 61.03 | 26 | 74 | 136 | 15.4 | 11.27 |
| 530383580 | PREDICTED: interactor protein for cytohesin exchange factors 1 isc | 3.20 | 2 | 1 | 1 | 1 | 1.052 | 1 |  | 1.476 | 1 |  | 30.32 | 3.20 | 1 | 1 | 437 | 49.0 | 7.52 |
| 14141161 | heterogeneous nuclear ribonucleoprotein U isoform b [Homo sapier | 13.40 | 2 | 9 | 10 | 43 | 1.052 | 16 | 6.2 | 1.212 | 16 | 13.5 | 2146.38 | 13.40 | 27 | 43 | 806 | 88.9 | 5.78 |
| 14141193 | 40S ribosomal protein S9 [Homo sapiens] | 4.12 | 1 | 1 | 1 | 3 | 1.052 | 1 |  | 1.213 | 1 |  | 126.76 | 4.12 | 3 | 3 | 194 | 22.6 | 10.65 |
| 33186901 | protein FAM101B [Homo sapiens] | 8.41 | 1 | 1 | 1 | 3 | 1.051 | 1 |  | 1.190 | 1 |  | 133.08 | 8.41 | 3 | 3 | 214 | 22.9 | 5.44 |
| 4758516 | hepatoma-derived growth factor isoform a [Homo sapiens] | 65.83 | 9 | 13 | 14 | 75 | 1.051 | 27 | 12.4 | 1.090 | 26 | 12.7 | 3078.56 | 65.83 | 41 | 75 | 240 | 26.8 | 4.73 |
| 4504011 | glutamate--cysteine ligase regulatory subunit [Homo sapiens] | 5.47 | 1 | 1 | 1 | 3 | 1.051 | 1 |  | 1.052 | 1 |  | 247.25 | 5.47 | 3 | 3 | 274 | 30.7 | 6.02 |
| 530372836 | PREDICTED: cAMP-dependent protein kinase type II-alpha regulatc | 13.35 | 4 | 4 | 4 | 12 | 1.051 | 4 | 3.6 | 1.216 | 4 | 18.4 | 751.19 | 13.35 | 12 | 12 | 382 | 43.0 | 5.08 |
| 30795231 | brain acid soluble protein 1 [Homo sapiens] | 76.65 | 1 | 14 | 14 | 91 | 1.051 | 32 | 8.0 | 1.175 | 32 | 17.6 | 3964.37 | 76.65 | 41 | 91 | 227 | 22.7 | 4.63 |
| 11968182 | 40S ribosomal protein S18 [Homo sapiens] | 12.50 | 1 | 2 | 2 | 5 | 1.051 | 2 | 11.7 | 1.099 | 2 | 3.7 | 130.48 | 12.50 | 5 | 5 | 152 | 17.7 | 10.99 |
| 6912280 | activator of 90 kDa heat shock protein ATPase homolog 1 [Homo s | 9.47 | 1 | 2 | 2 | 5 | 1.050 | 2 | 1.4 | 1.073 | 2 | 8.5 | 335.07 | 9.47 | 5 | 5 | 338 | 38.3 | 5.53 |
| 50345292 | hematological and neurological expressed 1 protein isoform 3 [Hon | 13.89 | 5 | 1 | 1 | 3 | 1.050 | 1 |  | 1.034 | 1 |  | 117.80 | 13.89 | 3 | 3 | 108 | 11.0 | 4.84 |
| 37594461 | nucleoside diphosphate-linked moiety X motif 6 isoform b [Homo s | 4.76 | 2 | 1 | 1 | 2 | 1.050 | 1 |  | **3.789** | 1 |  | 29.37 | 4.76 | 2 | 2 | 147 | 17.1 | 5.10 |
| 71773110 | apolipoprotein A-IV precursor [Homo sapiens] | 46.97 | 1 | 18 | 18 | 140 | 1.050 | 50 | 6.7 | 1.193 | 50 | 18.0 | 5813.97 | 46.97 | 53 | 140 | 396 | 45.3 | 5.38 |
| 5803011 | gamma-enolase [Homo sapiens] | 17.51 | 1 | 1 | 5 | 117 | 1.050 | 1 |  | **2.791** | 1 |  | 6259.71 | 17.51 | 15 | 117 | 434 | 47.2 | 5.03 |
| 209863011 | periostin isoform 3 precursor [Homo sapiens] | 46.99 | 5 | 2 | 27 | 165 | 1.049 | 3 | 11.9 | 1.275 | 3 | 29.3 | 7489.78 | 46.99 | 79 | 165 | 781 | 87.2 | 7.81 |
| 578804845 | PREDICTED: WAS/WASL-interacting protein family member 1 isofo | 26.64 | 1 | 7 | 7 | 24 | 1.049 | 11 | 11.0 | 1.038 | 11 | 26.4 | 882.10 | 26.64 | 18 | 24 | 503 | 51.2 | 11.47 |
| 578811929 | PREDICTED: protein PRRC2A isoform X1 [Homo sapiens] | 0.24 | 9 | 1 | 1 | 2 | 1.049 | 1 |  | **6.536** | 1 |  | 25.82 | 0.24 | 2 | 2 | 2086 | 221.5 | 9.42 |
| 4885049 | actin, alpha cardiac muscle 1 proprotein [Homo sapiens] | 48.81 | 5 | 2 | 21 | 1590 | 1.049 | 63 | 7.9 | 1.168 | 63 | 19.7 | 53721.09 | 48.81 | 62 | 1590 | 377 | 42.0 | 5.39 |
| 156151392 | heterogeneous nuclear ribonucleoprotein R isoform 4 [Homo sapier | 5.83 | 7 | 1 | 3 | 15 | 1.049 | 1 |  | 1.219 | 1 |  | 554.37 | 5.83 | 9 | 15 | 532 | 59.6 | 9.16 |
| 4506613 | 60S ribosomal protein L22 proprotein [Homo sapiens] | 20.31 | 1 | 1 | 1 | 5 | 1.049 | 2 | 9.8 | 1.147 | 2 | 58.7 | 277.84 | 20.31 | 3 | 5 | 128 | 14.8 | 9.19 |
| 530418950 | PREDICTED: bromodomain and WD repeat-containing protein 1 isc | 0.27 | 3 | 1 | 1 | 1 | 1.048 | 1 |  | 1.237 | 1 |  | 28.42 | 0.27 | 1 | 1 | 2242 | 253.3 | 8.46 |
| 51896037 | G protein-coupled receptor kinase 6 isoform C [Homo sapiens] | 1.25 | 3 | 1 | 1 | 7 | 1.048 | 2 | 5.2 | 1.434 | 2 | 8.7 | 69.68 | 1.25 | 3 | 7 | 560 | 64.3 | 8.44 |
| 578835477 | PREDICTED: NSFL1 cofactor p47 isoform X4 [Homo sapiens] | 22.01 | 6 | 4 | 4 | 11 | 1.048 | 4 | 3.9 | 1.126 | 4 | 6.6 | 521.58 | 22.01 | 11 | 11 | 259 | 28.5 | 9.38 |
| 4504893 | kininogen-1 isoform 2 precursor [Homo sapiens] | 58.55 | 2 | 3 | 30 | 363 | 1.048 | 14 | 6.8 | 1.197 | 14 | 9.1 | 15645.66 | 58.55 | 83 | 363 | 427 | 47.9 | 6.65 |
| 301897118 | Fanconi anemia group J protein [Homo sapiens] | 0.64 | 1 | 1 | 1 | 1 | 1.048 | 1 |  | **5.006** | 1 |  | 23.35 | 0.64 | 1 | 1 | 1249 | 140.8 | 6.92 |
| 25777602 | 26S proteasome non-ATPase regulatory subunit 2 isoform 1 [Homo | 13.11 | 3 | 7 | 7 | 20 | 1.048 | 8 | 4.7 | 1.099 | 8 | 17.4 | 1085.85 | 13.11 | 17 | 20 | 908 | 100.1 | 5.20 |
| 530373049 | PREDICTED: biotinidase isoform X4 [Homo sapiens] | 4.78 | 4 | 2 | 2 | 12 | 1.048 | 4 | 8.4 | 1.132 | 4 | 2.2 | 643.76 | 4.78 | 6 | 12 | 523 | 58.9 | 5.85 |
| 5453597 | F-actin-capping protein subunit alpha-1 [Homo sapiens] | 58.74 | 3 | 8 | 11 | 195 | 1.048 | 40 | 8.6 | 1.158 | 38 | 13.1 | 9557.11 | 58.74 | 33 | 195 | 286 | 32.9 | 5.69 |
| 530390698 | PREDICTED: adenylate kinase isoenzyme 1 isoform X3 [Homo sapi | 5.88 | 3 | 1 | 1 | 1 | 1.048 | 1 |  | 1.066 | 1 |  | 26.85 | 5.88 | 1 | 1 | 187 | 20.7 | 7.93 |
| 34098946 | nuclease-sensitive element-binding protein 1 [Homo sapiens] | 18.83 | 5 | 3 | 3 | 8 | 1.048 | 4 | 3.7 | 1.537 | 4 | 16.1 | 138.90 | 18.83 | 6 | 8 | 324 | 35.9 | 9.88 |
| 4507651 | tropomyosin alpha-4 chain isoform 2 [Homo sapiens] | 43.95 | 8 | 3 | 19 | 119 | 1.047 | 4 | 4.9 | 0.963 | 4 | 17.1 | 3908.00 | 43.95 | 50 | 119 | 248 | 28.5 | 4.69 |
| 18860831 | dynamin-like 120 kDa protein, mitochondrial isoform 2 [Homo sapi | 1.62 | 13 | 1 | 2 | 7 | 1.047 | 1 |  | 1.224 | 1 |  | 135.73 | 1.62 | 4 | 7 | 924 | 107.5 | 7.99 |
| 118442839 | complement factor H-related protein 1 precursor [Homo sapiens] | 26.06 | 3 | 2 | 9 | 71 | 1.047 | 4 | 3.4 | 1.024 | 4 | 6.6 | 2276.15 | 26.06 | 24 | 71 | 330 | 37.6 | 7.39 |
| 530403615 | PREDICTED: DNA-(apurinic or apyrimidinic site) lyase isoform X1 [I | 58.49 | 2 | 15 | 15 | 63 | 1.046 | 22 | 8.5 | 1.219 | 22 | 9.2 | 3197.33 | 58.49 | 43 | 63 | 318 | 35.5 | 8.12 |
| 317108191 | endophilin-A2 isoform 2 [Homo sapiens] | 5.00 | 5 | 2 | 2 | 5 | 1.046 | 2 | 2.4 | 1.585 | 2 | 39.6 | 138.28 | 5.00 | 5 | 5 | 320 | 36.3 | 5.15 |
| 166235148 | osteoclast-stimulating factor 1 [Homo sapiens] | 46.26 | 4 | 7 | 7 | 67 | 1.046 | 23 | 7.4 | 1.153 | 23 | 24.2 | 3042.34 | 46.26 | 20 | 67 | 214 | 23.8 | 5.68 |
| 7705431 | translation machinery-associated protein 7 [Homo sapiens] | 15.63 | 1 | 1 | 1 | 5 | 1.046 | 2 | 2.7 | 1.006 | 2 | 1.9 | 216.57 | 15.63 | 3 | 5 | 64 | 7.1 | 9.99 |
| 86788132 | EGF-containing fibulin-like extracellular matrix protein 1 precursor [ | 4.67 | 2 | 1 | 1 | 2 | 1.046 | 1 |  | 1.726 | 1 |  | 56.45 | 4.67 | 2 | 2 | 493 | 54.6 | 5.07 |
| 4506583 | replication protein A 70 kDa DNA-binding subunit [Homo sapiens] | 1.79 | 1 | 1 | 1 | 3 | 1.046 | 1 |  | 1.160 | 1 |  | 203.46 | 1.79 | 3 | 3 | 616 | 68.1 | 7.21 |
| 530421014 | PREDICTED: acyl-coenzyme A thioesterase 9, mitochondrial isoforr | 1.58 | 4 | 1 | 1 | 1 | 1.046 | 1 |  | 1.733 | 1 |  | 37.62 | 1.58 | 1 | 1 | 379 | 43.2 | 7.08 |
| 4503521 | eukaryotic translation initiation factor 3 subunit E [Homo sapiens] | 2.70 | 1 | 1 | 1 | 2 | 1.045 | 1 |  | 1.370 | 1 |  | 103.61 | 2.70 | 2 | 2 | 445 | 52.2 | 6.04 |
| 319996623 | putative RNA-binding protein 15 isoform 2 [Homo sapiens] | 1.96 | 2 | 1 | 1 | 2 | 1.045 | 1 |  | 0.994 | 1 |  | 107.75 | 1.96 | 2 | 2 | 969 | 106.3 | 10.11 |
| 189163504 | serine protease inhibitor Kazal-type 5 isoform c precursor [Homo sa | 0.55 | 3 | 1 | 1 | 6 | 1.045 | 3 | 0.2 | 1.248 | 3 | 6.0 | 53.25 | 0.55 | 2 | 6 | 916 | 103.9 | 8.35 |
| 11056036 | tubulin--tyrosine ligase-like protein 12 [Homo sapiens] | 9.94 | 1 | 5 | 5 | 13 | 1.045 | 5 | 2.6 | 1.277 | 5 | 9.3 | 549.46 | 9.94 | 13 | 13 | 644 | 74.4 | 5.53 |
| 578815876 | PREDICTED: elongation factor 1-delta isoform X14 [Homo sapiens] | 18.51 | 9 | 3 | 4 | 19 | 1.045 | 6 | 3.3 | 1.426 | 6 | 16.9 | 1126.00 | 18.51 | 12 | 19 | 281 | 31.1 | 5.01 |
| 42558279 | tubulin beta-8 chain [Homo sapiens] | 20.05 | 2 | 1 | 8 | 76 | 1.045 | 1 |  | 1.109 | 1 |  | 2411.30 | 20.05 | 21 | 76 | 444 | 49.7 | 4.89 |
| 578799003 | PREDICTED: basement membrane-specific heparan sulfate proteoç | 0.30 | 7 | 1 | 1 | 6 | 1.045 | 2 | 8.1 | 1.155 | 2 | 3.1 | 226.09 | 0.30 | 3 | 6 | 4057 | 433.5 | 6.55 |
| 48762920 | 6-phosphofructokinase, liver type isoform b [Homo sapiens] | 24.74 | 9 | 11 | 11 | 35 | 1.044 | 12 | 4.6 | 1.223 | 12 | 35.7 | 1768.61 | 24.74 | 32 | 35 | 780 | 85.0 | 7.50 |
| 297632346 | nitrilase homolog 1 isoform 2 [Homo sapiens] | 7.00 | 7 | 1 | 1 | 3 | 1.044 | 1 |  | 1.096 | 1 |  | 203.48 | 7.00 | 3 | 3 | 243 | 26.3 | 6.27 |
| 311893345 | copine-1 isoform c [Homo sapiens] | 17.35 | 3 | 7 | 7 | 30 | 1.044 | 10 | 5.8 | 1.137 | 9 | 20.0 | 1639.34 | 17.35 | 19 | 30 | 536 | 58.9 | 5.83 |
| 20070125 | protein disulfide-isomerase precursor [Homo sapiens] | 65.94 | 1 | 27 | 27 | 166 | 1.044 | 62 | 6.9 | 1.173 | 62 | 13.3 | 7057.05 | 65.94 | 78 | 166 | 508 | 57.1 | 4.87 |
| 530379112 | PREDICTED: ras GTPase-activating-like protein IQGAP2 isoform X5 | 7.44 | 9 | 4 | 7 | 29 | 1.044 | 4 | 3.2 | 1.368 | 4 | 12.3 | 1303.14 | 7.44 | 21 | 29 | 1518 | 173.8 | 5.78 |
| 222144229 | ubiquitin-like modifier-activating enzyme ATG7 isoform c [Homo sa | 4.17 | 8 | 2 | 2 | 6 | 1.044 | 2 | 4.1 | 0.981 | 2 | 8.1 | 184.30 | 4.17 | 6 | 6 | 623 | 68.6 | 6.48 |
| 4885377 | histone H1.3 [Homo sapiens] | 34.84 | 3 | 2 | 12 | 288 | 1.044 | 1 |  | 0.858 | 1 |  | 13781.38 | 34.84 | 34 | 288 | 221 | 22.3 | 11.02 |
| 530416138 | PREDICTED: protein LSM14 homolog A isoform X3 [Homo sapiens] | 1.64 | 3 | 1 | 1 | 8 | 1.044 | 3 | 0.1 | 1.312 | 3 | 23.1 | 156.11 | 1.64 | 3 | 8 | 426 | 46.5 | 9.07 |
| 67190748 | complement C4-A isoform 1 preproprotein [Homo sapiens] | 65.65 | 42 | 2 | 89 | 1298 | 1.044 | 6 | 12.6 | 1.207 | 5 | 5.8 | 56895.70 | 65.65 | 257 | 1298 | 1744 | 192.7 | 7.08 |
| 33239445 | eukaryotic translation initiation factor 3 subunit B [Homo sapiens] | 3.93 | 1 | 3 | 3 | 9 | 1.044 | 3 | 5.2 | 1.105 | 3 | 8.0 | 261.93 | 3.93 | 9 | 9 | 814 | 92.4 | 5.00 |
| 285403096 | GRAM domain-containing protein 1C isoform 2 [Homo sapiens] | 1.09 | 5 | 1 | 1 | 3 | 1.044 | 1 |  | 1.127 | 1 |  | 33.11 | 1.09 | 3 | 3 | 457 | 52.0 | 8.91 |
| 148539876 | beta-adrenergic receptor kinase 1 [Homo sapiens] | 13.06 | 6 | 8 | 8 | 39 | 1.044 | 12 | 5.6 | 1.249 | 12 | 17.8 | 1359.91 | 13.06 | 23 | 39 | 689 | 79.5 | 7.28 |
| 5803227 | 14-3-3 protein theta [Homo sapiens] | 57.55 | 1 | 6 | 14 | 152 | 1.043 | 14 | 6.1 | 1.029 | 14 | 18.5 | 5296.46 | 57.55 | 40 | 152 | 245 | 27.7 | 4.78 |
| 530387078 | PREDICTED: retinoic acid receptor responder protein 2 isoform X2 | 4.48 | 1 | 1 | 1 | 1 | 1.043 | 1 |  | 0.965 | 1 |  | 29.29 | 4.48 | 1 | 1 | 134 | 15.1 | 10.46 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123173757 | ribonucleoprotein PTB-binding 1 [Homo sapiens] | 1.72 | 1 | 1 | 1 | 2 | 1.043 | 1 |  | 1.841 | 1 |  | 82.51 | 1.72 | 2 | 2 | 756 | 79.5 | 8.92 |
| 530422336 | PREDICTED: dedicator of cytokinesis protein 11 isoform X2 [Homo | 1.07 | 3 | 2 | 2 | 4 | 1.043 | 1 |  | 1.028 | 1 |  | 78.11 | 1.07 | 4 | 4 | 2055 | 235.7 | 7.58 |
| 530402178 | PREDICTED: sister chromatid cohesion protein PDS5 homolog B isc | 1.63 | 5 | 2 | 2 | 6 | 1.043 | 2 | 0.5 | 1.045 | 2 | 0.2 | 508.85 | 1.63 | 6 | 6 | 1411 | 160.7 | 8.31 |
| 528281405 | condensin complex subunit 2 isoform 4 [Homo sapiens] | 1.16 | 7 | 1 | 1 | 3 | 1.043 | 1 |  | 1.136 | 1 |  | 90.34 | 1.16 | 3 | 3 | 605 | 67.5 | 4.87 |
| 11056061 | thymosin beta-4 [Homo sapiens] | 56.82 | 1 | 7 | 9 | 91 | 1.043 | 29 | 7.6 | 1.138 | 29 | 12.2 | 2737.97 | 56.82 | 23 | 91 | 44 | 5.0 | 5.06 |
| 5032315 | dystrophin Dp427p2 isoform [Homo sapiens] | 0.51 | 44 | 1 | 3 | 9 | 1.042 | 1 |  | 1.387 | 1 |  | 190.55 | 0.51 | 9 | 9 | 3562 | 412.1 | 5.83 |
| 10716563 | calnexin precursor [Homo sapiens] | 12.16 | 1 | 6 | 6 | 33 | 1.042 | 12 | 7.6 | 1.196 | 12 | 9.9 | 1472.41 | 12.16 | 18 | 33 | 592 | 67.5 | 4.60 |
| 4502205 | ADP-ribosylation factor 4 [Homo sapiens] | 34.44 | 1 | 1 | 4 | 18 | 1.042 | 5 | 3.5 | 1.439 | 5 | 18.7 | 631.59 | 34.44 | 10 | 18 | 180 | 20.5 | 7.14 |
| 578798834 | PREDICTED: microtubule-actin cross-linking factor 1 isoform X27 [I | 0.47 | 40 | 3 | 3 | 5 | 1.042 | 1 |  | **10.102** | 1 |  | 93.77 | 0.47 | 5 | 5 | 4720 | 531.2 | 5.27 |
| 530393302 | PREDICTED: cytosolic purine 5'-nucleotidase isoform X10 [Homo sa | 12.43 | 6 | 3 | 3 | 21 | 1.042 | 7 | 5.9 | 1.310 | 7 | 18.3 | 846.86 | 12.43 | 9 | 21 | 370 | 42.7 | 6.29 |
| 62420888 | dipeptidyl peptidase 2 preproprotein [Homo sapiens] | 6.50 | 3 | 2 | 2 | 6 | 1.042 | 2 | 4.6 | 0.925 | 2 | 2.4 | 371.81 | 6.50 | 6 | 6 | 492 | 54.3 | 6.32 |
| 5174529 | S-adenosylmethionine synthase isoform type-2 [Homo sapiens] | 2.78 | 1 | 1 | 1 | 3 | 1.042 | 1 |  | 1.116 | 1 |  | 116.95 | 2.78 | 3 | 3 | 395 | 43.6 | 6.48 |
| 4759212 | tubulin-specific chaperone A isoform 2 [Homo sapiens] | 51.85 | 1 | 9 | 9 | 42 | 1.042 | 15 | 6.9 | 1.066 | 15 | 8.4 | 1737.68 | 51.85 | 26 | 42 | 108 | 12.8 | 5.29 |
| 557878742 | long-chain-fatty-acid--CoA ligase 1 isoform d [Homo sapiens] | 3.04 | 14 | 2 | 2 | 6 | 1.042 | 2 | 5.7 | 1.392 | 2 | 22.9 | 201.67 | 3.04 | 6 | 6 | 527 | 58.5 | 7.53 |
| 530402403 | PREDICTED: protocadherin-9 isoform X3 [Homo sapiens] | 0.88 | 5 | 1 | 1 | 3 | 1.042 | 2 | 2.7 | 1.271 | 2 | 5.9 | 41.92 | 0.88 | 2 | 3 | 1019 | 112.0 | 5.45 |
| 145199237 | RNA exonuclease 1 homolog [Homo sapiens] | 0.41 | 2 | 1 | 1 | 1 | 1.041 | 1 |  | 1.168 | 1 |  | 25.21 | 0.41 | 1 | 1 | 1221 | 131.4 | 8.95 |
| 7656952 | calcyclin-binding protein isoform 1 [Homo sapiens] | 5.70 | 1 | 1 | 2 | 18 | 1.041 | 1 |  | 1.133 | 1 |  | 320.99 | 5.70 | 6 | 18 | 228 | 26.2 | 8.25 |
| 530422392 | PREDICTED: coagulation factor IX isoform X2 [Homo sapiens] | 13.64 | 3 | 4 | 4 | 11 | 1.041 | 4 | 8.4 | 1.292 | 4 | 24.8 | 511.66 | 13.64 | 11 | 11 | 418 | 47.0 | 5.43 |
| 530406751 | PREDICTED: ubiquitin carboxyl-terminal hydrolase 3 isoform X3 [H | 1.99 | 7 | 1 | 1 | 1 | 1.041 | 1 |  | 1.091 | 1 |  | 23.33 | 1.99 | 1 | 1 | 351 | 40.1 | 7.75 |
| 355594753 | clusterin preproprotein [Homo sapiens] | 42.09 | 2 | 13 | 13 | 105 | 1.041 | 36 | 5.5 | 1.248 | 36 | 21.9 | 4684.56 | 42.09 | 35 | 105 | 449 | 52.5 | 6.27 |
| 58331274 | septin-5 isoform 2 [Homo sapiens] | 15.03 | 2 | 3 | 3 | 11 | 1.041 | 4 | 7.1 | 1.157 | 4 | 19.2 | 322.49 | 15.03 | 8 | 11 | 346 | 39.3 | 7.20 |
| 296923771 | nck-associated protein 1-like isoform 2 [Homo sapiens] | 1.76 | 2 | 1 | 1 | 3 | 1.040 | 1 |  | 1.984 | 1 |  | 305.26 | 1.76 | 3 | 3 | 1077 | 122.4 | 6.62 |
| 148536853 | coatomer subunit alpha isoform 2 [Homo sapiens] | 4.74 | 2 | 5 | 5 | 17 | 1.040 | 6 | 4.4 | 1.258 | 6 | 5.6 | 593.98 | 4.74 | 14 | 17 | 1224 | 138.3 | 7.66 |
| 154426278 | muscular LMNA-interacting protein isoform 3 [Homo sapiens] | 1.97 | 10 | 1 | 1 | 1 | 1.040 | 1 |  | 1.289 | 1 |  | 29.43 | 1.97 | 1 | 1 | 458 | 50.4 | 6.38 |
| 4502209 | ADP-ribosylation factor 5 [Homo sapiens] | 38.89 | 1 | 1 | 5 | 25 | 1.040 | 1 |  | 2.239 | 1 |  | 1050.26 | 38.89 | 14 | 25 | 180 | 20.5 | 6.79 |
| 530369968 | PREDICTED: cytoplasmic dynein 1 intermediate chain 2 isoform X7 | 9.82 | 9 | 5 | 5 | 14 | 1.040 | 5 | 8.9 | 1.106 | 5 | 23.1 | 655.96 | 9.82 | 14 | 14 | 611 | 68.3 | 5.29 |
| 212276104 | leucine-rich repeat flightless-interacting protein 1 isoform 5 [Homo | 17.95 | 73 | 11 | 11 | 36 | 1.040 | 13 | 7.3 | 1.148 | 13 | 8.7 | 1951.32 | 17.95 | 28 | 36 | 752 | 82.6 | 4.61 |
| 394953908 | 26S proteasome non-ATPase regulatory subunit 11 [Homo sapiens] | 3.08 | 1 | 1 | 1 | 2 | 1.040 | 1 |  | 1.391 | 1 |  | 129.92 | 3.08 | 2 | 2 | 422 | 47.4 | 6.48 |
| 110611218 | ribosome-binding protein 1 [Homo sapiens] | 2.46 | 4 | 2 | 2 | 7 | 1.040 | 3 | 13.5 | 1.169 | 3 | 1.6 | 369.43 | 2.46 | 5 | 7 | 977 | 108.6 | 5.54 |
| 15431332 | caspase-1 isoform delta [Homo sapiens] | 7.60 | 5 | 2 | 2 | 7 | 1.039 | 3 | 4.0 | 1.547 | 3 | 6.5 | 206.37 | 7.60 | 5 | 7 | 263 | 29.8 | 7.91 |
| 375331936 | protein FAM193A isoform 4 [Homo sapiens] | 0.66 | 6 | 1 | 1 | 1 | 1.039 | 1 |  | 0.999 | 1 |  | 29.86 | 0.66 | 1 | 1 | 1211 | 134.2 | 6.40 |
| 18543329 | 26S proteasome non-ATPase regulatory subunit 9 isoform 1 [Homo | 41.26 | 1 | 4 | 4 | 11 | 1.039 | 5 | 12.6 | 1.422 | 4 | 15.5 | 332.19 | 41.26 | 10 | 11 | 223 | 24.7 | 6.95 |
| 358356407 | 60S ribosomal protein L15 isoform 2 [Homo sapiens] | 6.21 | 2 | 1 | 1 | 2 | 1.039 | 1 |  | 0.948 | 1 |  | 58.99 | 6.21 | 2 | 2 | 145 | 16.7 | 11.53 |
| 21237808 | SWI/SNF complex subunit SMARCC2 isoform b [Homo sapiens] | 1.15 | 7 | 1 | 1 | 3 | 1.039 | 1 |  | 1.227 | 1 |  | 124.99 | 1.15 | 3 | 3 | 1130 | 124.8 | 5.55 |
| 22538467 | proteasome subunit beta type-4 [Homo sapiens] | 25.76 | 1 | 4 | 4 | 19 | 1.039 | 8 | 2.0 | 1.123 | 8 | 14.7 | 908.11 | 25.76 | 12 | 19 | 264 | 29.2 | 5.97 |
| 14043026 | vesicle-associated membrane protein 8 [Homo sapiens] | 10.00 | 1 | 1 | 1 | 3 | 1.039 | 1 |  | 1.161 | 1 |  | 195.49 | 10.00 | 3 | 3 | 100 | 11.4 | 7.34 |
| 14702180 | eukaryotic translation initiation factor 4H isoform 2 [Homo sapiens] | 21.05 | 3 | 3 | 3 | 9 | 1.039 | 2 | 2.7 | 1.184 | 2 | 20.9 | 261.28 | 21.05 | 9 | 9 | 228 | 25.2 | 8.09 |
| 4504183 | glutathione S-transferase P [Homo sapiens] | 69.52 | 1 | 14 | 14 | 294 | 1.039 | 106 | 9.3 | 1.177 | 105 | 13.3 | 13737.31 | 69.52 | 42 | 294 | 210 | 23.3 | 5.64 |
| 25777713 | S-phase kinase-associated protein 1 isoform b [Homo sapiens] | 19.02 | 2 | 2 | 2 | 6 | 1.038 | 2 | 5.1 | 1.473 | 2 | 25.0 | 318.05 | 19.02 | 6 | 6 | 163 | 18.6 | 4.54 |
| 578811110 | PREDICTED: heterogeneous nuclear ribonucleoprotein H isoform X | 23.31 | 7 | 4 | 7 | 34 | 1.038 | 7 | 5.2 | 1.125 | 7 | 12.3 | 1137.00 | 23.31 | 21 | 34 | 429 | 47.1 | 6.34 |
| 4557389 | complement component C8 alpha chain precursor [Homo sapiens] | 30.99 | 1 | 13 | 13 | 78 | 1.038 | 28 | 7.2 | 1.145 | 28 | 24.4 | 3791.89 | 30.99 | 37 | 78 | 584 | 65.1 | 6.47 |
| 4758012 | clathrin heavy chain 1 isoform 1 [Homo sapiens] | 16.24 | 14 | 19 | 20 | 92 | 1.038 | 32 | 5.2 | 1.116 | 32 | 18.1 | 4117.48 | 16.24 | 57 | 92 | 1675 | 191.5 | 5.69 |
| 197382664 | eukaryotic translation initiation factor 4E type 3 isoform b [Homo s | 14.41 | 2 | 1 | 1 | 6 | 1.038 | 2 | 2.4 | 1.088 | 2 | 30.6 | 219.45 | 14.41 | 3 | 6 | 118 | 13.3 | 5.78 |
| 4507115 | fascin [Homo sapiens] | 6.29 | 1 | 2 | 2 | 6 | 1.038 | 2 | 9.9 | 1.368 | 2 | 49.4 | 365.05 | 6.29 | 6 | 6 | 493 | 54.5 | 7.24 |
| 578831752 | PREDICTED: probable helicase with zinc finger domain isoform X6 | 0.32 | 7 | 1 | 1 | 1 | 1.038 | 1 |  | 1.207 | 1 |  | 25.73 | 0.32 | 1 | 1 | 1578 | 177.5 | 8.10 |
| 62241042 | bifunctional glutamate/proline--tRNA ligase [Homo sapiens] | 3.97 | 1 | 5 | 5 | 14 | 1.038 | 5 | 2.5 | 1.088 | 5 | 5.5 | 655.96 | 3.97 | 14 | 14 | 1512 | 170.5 | 7.33 |
| 530420490 | PREDICTED: apolipoprotein L1 isoform X2 [Homo sapiens] | 20.00 | 4 | 7 | 7 | 30 | 1.037 | 10 | 6.4 | 1.020 | 10 | 10.5 | 1152.62 | 20.00 | 21 | 30 | 380 | 42.1 | 5.80 |
| 530376756 | PREDICTED: acyl-CoA synthetase family member 4 isoform X7 [Ho | 1.11 | 8 | 1 | 1 | 11 | 1.037 | 4 | 1.4 | 1.021 | 4 | 6.1 | 226.53 | 1.11 | 3 | 11 | 721 | 80.4 | 7.49 |
| 578800742 | PREDICTED: dimethylaniline monooxygenase [N-oxide-forming] 4 i | 1.31 | 4 | 1 | 1 | 1 | 1.037 | 1 |  | 1.255 | 1 |  | 0.00 | 1.31 | 1 | 1 | 381 | 43.4 | 8.48 |
| 39812055 | beta-arrestin-2 isoform 2 [Homo sapiens] | 11.93 | 11 | 4 | 5 | 14 | 1.037 | 4 | 3.7 | 1.159 | 4 | 18.7 | 606.11 | 11.93 | 14 | 14 | 394 | 44.4 | 7.88 |
| 18702331 | OTU domain-containing protein 7A [Homo sapiens] | 1.51 | 2 | 1 | 1 | 1 | 1.037 | 1 |  | 1.243 | 1 |  | 29.29 | 1.51 | 1 | 1 | 926 | 100.6 | 8.40 |
| 46397403 | centrin-3 isoform 2 [Homo sapiens] | 4.19 | 1 | 1 | 1 | 5 | 1.037 | 2 | 8.8 | 1.419 | 2 | 14.5 | 68.77 | 4.19 | 3 | 5 | 167 | 19.5 | 4.74 |
| 5902076 | serine/arginine-rich splicing factor 1 isoform 1 [Homo sapiens] | 8.06 | 3 | 2 | 2 | 9 | 1.037 | 3 | 4.4 | 1.291 | 3 | 8.6 | 309.70 | 8.06 | 6 | 9 | 248 | 27.7 | 10.36 |
| 5453760 | NEDD8 precursor [Homo sapiens] | 34.57 | 2 | 2 | 2 | 12 | 1.037 | 4 | 4.6 | 1.380 | 4 | 15.8 | 603.55 | 34.57 | 6 | 12 | 81 | 9.1 | 8.43 |
| 530386260 | PREDICTED: coiled-coil domain-containing protein 146 isoform X3 | 0.97 | 3 | 1 | 1 | 1 | 1.037 | 1 |  | 1.539 | 1 |  | 32.07 | 0.97 | 1 | 1 | 823 | 97.2 | 9.20 |
| 578802932 | PREDICTED: protein MEMO1 isoform X4 [Homo sapiens] | 9.44 | 3 | 1 | 1 | 3 | 1.036 | 1 |  | 0.943 | 1 |  | 228.88 | 9.44 | 3 | 3 | 180 | 20.7 | 5.71 |
| 167234419 | thyroid hormone receptor-associated protein 3 [Homo sapiens] | 1.36 | 1 | 1 | 1 | 6 | 1.036 | 2 | 5.9 | 1.199 | 2 | 2.5 | 553.83 | 1.36 | 3 | 6 | 955 | 108.6 | 10.15 |
| 378744212 | GTP-binding protein Rit1 isoform 3 [Homo sapiens] | 4.37 | 3 | 1 | 1 | 9 | 1.036 | 4 | 2.5 | **2.848** | 4 | 9.4 | 71.49 | 4.37 | 3 | 9 | 183 | 21.6 | 9.09 |
| 109148542 | alanine--tRNA ligase, cytoplasmic [Homo sapiens] | 2.89 | 2 | 2 | 2 | 5 | 1.036 | 2 | 4.3 | 1.055 | 2 | 19.6 | 302.18 | 2.89 | 5 | 5 | 968 | 106.7 | 5.53 |
| 578830584 | PREDICTED: protein unc-13 homolog D isoform X1 [Homo sapiens] | 6.44 | 3 | 5 | 5 | 18 | 1.036 | 6 | 3.7 | 1.145 | 6 | 32.9 | 648.83 | 6.44 | 15 | 18 | 1071 | 120.6 | 6.40 |
| 255652953 | zinc finger CCCH domain-containing protein 18 isoform 2 [Homo sa | 0.84 | 2 | 1 | 1 | 2 | 1.036 | 1 |  | 1.045 | 1 |  | 31.12 | 0.84 | 2 | 2 | 953 | 106.3 | 8.32 |
| 4506193 | proteasome subunit beta type-1 [Homo sapiens] | 51.04 | 1 | 9 | 9 | 60 | 1.036 | 22 | 6.9 | 1.235 | 22 | 18.4 | 2438.30 | 51.04 | 26 | 60 | 241 | 26.5 | 8.13 |
| 530372380 | PREDICTED: acylamino-acid-releasing enzyme isoform X1 [Homo s | 9.91 | 3 | 5 | 5 | 20 | 1.036 | 7 | 5.7 | 1.124 | 7 | 3.9 | 1271.89 | 9.91 | 14 | 20 | 686 | 76.2 | 5.96 |
| 96304457 | low molecular weight phosphotyrosine protein phosphatase isoform | 16.07 | 2 | 1 | 1 | 3 | 1.036 | 1 |  | 1.318 | 1 |  | 339.62 | 16.07 | 3 | 3 | 112 | 12.2 | 7.74 |
| 10835067 | lupus La protein [Homo sapiens] | 14.22 | 1 | 5 | 5 | 20 | 1.035 | 7 | 9.8 | 1.252 | 7 | 13.6 | 887.33 | 14.22 | 14 | 20 | 408 | 46.8 | 7.12 |
| 38201710 | probable ATP-dependent RNA helicase DDX17 isoform 1 [Homo sa | 10.01 | 6 | 6 | 7 | 19 | 1.035 | 7 | 6.0 | 1.155 | 7 | 32.6 | 663.19 | 10.01 | 17 | 19 | 729 | 80.2 | 8.27 |
| 199562283 | retrotransposon-like protein 1 [Homo sapiens] | 0.44 | 1 | 1 | 1 | 5 | 1.035 | 1 |  | 1.242 | 1 |  | 50.39 | 0.44 | 3 | 5 | 1358 | 154.9 | 5.21 |
| 47132620 | keratin, type II cytoskeletal 2 epidermal [Homo sapiens] | 19.87 | 26 | 4 | 11 | 47 | 1.035 | 5 | 8.9 | 1.135 | 5 | 11.1 | 1949.92 | 19.87 | 29 | 47 | 639 | 65.4 | 8.00 |
| 73747917 | antigen peptide transporter 2 isoform 2 [Homo sapiens] | 3.06 | 3 | 2 | 2 | 5 | 1.035 | 2 | 1.3 | **3.557** | 2 | 15.3 | 64.51 | 3.06 | 3 | 5 | 653 | 72.0 | 7.84 |
| 21464101 | 14-3-3 protein gamma [Homo sapiens] | 60.73 | 1 | 9 | 17 | 189 | 1.035 | 18 | 7.0 | 1.103 | 18 | 17.9 | 5864.23 | 60.73 | 47 | 189 | 247 | 28.3 | 4.89 |
| 530406180 | PREDICTED: dual specificity mitogen-activated protein kinase kinas | 18.31 | 5 | 6 | 6 | 26 | 1.035 | 11 | 3.1 | 1.148 | 11 | 14.2 | 620.71 | 18.31 | 16 | 26 | 284 | 31.5 | 7.21 |
| 14277700 | 40S ribosomal protein S12 [Homo sapiens] | 17.42 | 1 | 2 | 2 | 6 | 1.035 | 2 | 1.1 | 0.992 | 2 | 23.9 | 242.15 | 17.42 | 6 | 6 | 132 | 14.5 | 7.21 |
| 17402893 | phosphoserine aminotransferase isoform 1 [Homo sapiens] | 7.03 | 4 | 2 | 3 | 8 | 1.035 | 2 | 1.0 | 1.178 | 2 | 6.7 | 229.86 | 7.03 | 8 | 8 | 370 | 40.4 | 7.66 |
| 153070260 | myristoylated alanine-rich C-kinase substrate [Homo sapiens] | 30.42 | 1 | 5 | 5 | 27 | 1.035 | 10 | 9.0 | 0.979 | 10 | 12.5 | 1520.36 | 30.42 | 14 | 27 | 332 | 31.5 | 4.45 |
| 134288884 | probable glutamate--tRNA ligase, mitochondrial [Homo sapiens] | 2.68 | 28 | 1 | 2 | 20 | 1.034 | 1 |  | 1.332 | 1 |  | 196.64 | 2.68 | 6 | 20 | 523 | 58.7 | 8.76 |
| 372266129 | protein flightless-1 homolog isoform 3 [Homo sapiens] | 5.44 | 25 | 6 | 6 | 15 | 1.034 | 5 | 3.1 | 1.262 | 5 | 10.5 | 548.31 | 5.44 | 15 | 15 | 1214 | 138.4 | 6.07 |
| 554790349 | coiled-coil domain-containing protein 90B, mitochondrial isoform e | 6.47 | 5 | 1 | 1 | 2 | 1.034 | 2 | 12.1 | 1.262 | 2 | 3.0 | 36.86 | 6.47 | 1 | 2 | 139 | 16.2 | 6.58 |
| 613410205 | basic helix-loop-helix domain-containing protein KIAA2018 [Homo s | 0.31 | 1 | 1 | 1 | 1 | 1.034 | 1 |  | **2.644** | 1 |  | 23.13 | 0.31 | 1 | 1 | 2245 | 241.5 | 7.61 |
| 530403051 | PREDICTED: putative ATP-dependent RNA helicase TDRD9 isoform | 0.83 | 4 | 1 | 1 | 2 | 1.034 | 2 | 4.6 | 1.315 | 2 | 7.5 | 35.78 | 0.83 | 1 | 2 | 1330 | 149.7 | 7.05 |
| 157676340 | zinc finger protein 142 [Homo sapiens] | 0.30 | 2 | 1 | 1 | 3 | 1.034 | 1 |  | 1.126 | 1 |  | 27.64 | 0.30 | 3 | 3 | 1687 | 187.8 | 7.91 |
| 340138932 | apolipoprotein B receptor [Homo sapiens] | 10.94 | 1 | 8 | 8 | 29 | 1.034 | 10 | 7.2 | 1.148 | 10 | 3.8 | 1656.30 | 10.94 | 24 | 29 | 1097 | 115.6 | 4.40 |
| 567316026 | rho GTPase-activating protein 30 isoform 4 [Homo sapiens] | 2.71 | 4 | 1 | 1 | 2 | 1.034 | 1 |  | 1.039 | 1 |  | 89.22 | 2.71 | 2 | 2 | 924 | 98.0 | 4.63 |
| 402794208 | poly(U)-binding-splicing factor PUF60 isoform h [Homo sapiens] | 1.60 | 8 | 1 | 1 | 5 | 1.034 | 3 | 6.5 | 1.690 | 3 | 1.0 | 56.42 | 1.60 | 3 | 5 | 499 | 54.0 | 5.33 |
| 21359947 | popeye domain-containing protein 3 [Homo sapiens] | 2.75 | 1 | 1 | 1 | 3 | 1.034 | 1 |  | 1.227 | 1 |  | 55.36 | 2.75 | 3 | 3 | 291 | 33.8 | 7.96 |
| 578831314 | PREDICTED: transcription elongation factor SPT6 isoform X3 [Hom | 0.62 | 2 | 1 | 1 | 5 | 1.034 | 2 | 6.4 | 1.046 | 2 | 4.9 | 88.61 | 0.62 | 3 | 5 | 1603 | 184.6 | 5.11 |
| 23110944 | proteasome subunit alpha type-6 isoform a [Homo sapiens] | 26.83 | 3 | 6 | 6 | 39 | 1.033 | 14 | 7.7 | 1.112 | 14 | 9.8 | 1591.45 | 26.83 | 18 | 39 | 246 | 27.4 | 6.76 |
| 89353285 | death effector domain-containing protein [Homo sapiens] | 2.83 | 2 | 1 | 1 | 2 | 1.033 | 2 | 5.0 | 1.723 | 2 | 4.8 | 34.41 | 2.83 | 1 | 2 | 318 | 36.8 | 8.85 |
| 17978519 | vacuolar protein sorting-associated protein 26A isoform 1 [Homo sa | 9.79 | 2 | 2 | 2 | 6 | 1.033 | 2 | 2.5 | 1.387 | 2 | 26.3 | 327.02 | 9.79 | 6 | 6 | 327 | 38.1 | 6.57 |
| 58801559 | complement C1q-like protein 3 precursor [Homo sapiens] | 3.53 | 1 | 1 | 1 | 3 | 1.033 | 1 |  | 1.117 | 1 |  | 52.86 | 3.53 | 3 | 3 | 255 | 26.7 | 6.79 |
| 50053795 | eukaryotic translation initiation factor 4B [Homo sapiens] | 6.87 | 2 | 2 | 2 | 5 | 1.033 | 2 | 6.5 | 0.992 | 2 | 14.6 | 228.63 | 6.87 | 5 | 5 | 611 | 69.1 | 5.73 |
| 4759140 | Na(+)/H(+) exchange regulatory cofactor NHE-RF1 [Homo sapiens | 29.89 | 1 | 7 | 7 | 48 | 1.033 | 18 | 7.3 | 1.299 | 17 | 12.1 | 2332.86 | 29.89 | 21 | 48 | 358 | 38.8 | 5.77 |
| 578830426 | PREDICTED: collagen alpha-1(I) chain isoform X3 [Homo sapiens] | 10.20 | 6 | 8 | 8 | 61 | 1.033 | 25 | 11.6 | 1.079 | 25 | 12.3 | 2130.55 | 10.20 | 21 | 61 | 1020 | 99.7 | 5.50 |
| 4504483 | hypoxanthine-guanine phosphoribosyltransferase [Homo sapiens] | 33.49 | 1 | 6 | 6 | 15 | 1.033 | 6 | 4.1 | 1.077 | 6 | 1.9 | 766.26 | 33.49 | 15 | 15 | 218 | 24.6 | 6.68 |
| 4506185 | proteasome subunit alpha type-4 isoform 1 [Homo sapiens] | 38.31 | 4 | 7 | 8 | 34 | 1.032 | 12 | 5.3 | 1.105 | 12 | 9.5 | 1415.23 | 38.31 | 21 | 34 | 261 | 29.5 | 7.72 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 578799388 | PREDICTED: ribonucleoprotein PTB-binding 2 isoform X1 [Homo sa | 0.77 | 2 | 1 | 1 | 2 | 1.032 | 1 | | 1.674 | 1 | | 42.08 | 0.77 | 2 | 2 | 647 | 70.6 | 7.97 |
| 189181666 | beta-hexosaminidase subunit alpha preproprotein [Homo sapiens] | 4.16 | 1 | 2 | 2 | 5 | 1.032 | 2 | 5.1 | 1.199 | 2 | 8.4 | 208.03 | 4.16 | 5 | 5 | 529 | 60.7 | 5.16 |
| 312596881 | 26S protease regulatory subunit 8 isoform 2 [Homo sapiens] | 10.55 | 3 | 3 | 3 | 15 | 1.032 | 5 | 3.2 | 1.125 | 5 | 7.0 | 725.80 | 10.55 | 9 | 15 | 398 | 44.8 | 8.18 |
| 321267473 | scaffold attachment factor B1 isoform 4 [Homo sapiens] | 2.48 | 5 | 1 | 1 | 3 | 1.032 | 1 | | 1.105 | 1 | | 274.29 | 2.48 | 3 | 3 | 848 | 95.1 | 6.46 |
| 148596990 | copper homeostasis protein cutC homolog [Homo sapiens] | 8.06 | 1 | 1 | 1 | 2 | 1.032 | 1 | | 1.386 | 1 | | 43.15 | 8.06 | 2 | 2 | 273 | 29.3 | 8.18 |
| 530374901 | PREDICTED: protein CDV3 homolog isoform X4 [Homo sapiens] | 7.62 | 6 | 2 | 2 | 4 | 1.032 | 2 | 4.5 | 0.985 | 2 | 4.4 | 125.09 | 7.62 | 4 | 4 | 210 | 21.7 | 5.54 |
| 15208660 | E3 ubiquitin-protein ligase TRIM21 [Homo sapiens] | 7.58 | 2 | 3 | 3 | 7 | 1.032 | 3 | 0.7 | 1.146 | 3 | 29.5 | 299.84 | 7.58 | 7 | 7 | 475 | 54.1 | 6.38 |
| 530380541 | PREDICTED: bifunctional heparan sulfate N-deacetylase/N-sulfotra | 1.49 | 5 | 1 | 1 | 24 | 1.032 | 8 | 2.9 | 2.021 | 8 | 20.9 | 622.68 | 1.49 | 3 | 24 | 471 | 54.6 | 8.75 |
| 530395458 | PREDICTED: PHD finger protein 21A isoform X9 [Homo sapiens] | 1.27 | 6 | 1 | 1 | 11 | 1.031 | 4 | 0.8 | 1.093 | 4 | 1.6 | 145.75 | 1.27 | 3 | 11 | 629 | 69.0 | 9.74 |
| 530403927 | PREDICTED: protein Z-dependent protease inhibitor isoform X1 [H | 3.60 | 2 | 1 | 1 | 3 | 1.031 | 1 | | 1.074 | 1 | | 198.54 | 3.60 | 3 | 3 | 444 | 50.7 | 8.27 |
| 530370277 | PREDICTED: 60 kDa heat shock protein, mitochondrial isoform X1 | 5.76 | 1 | 2 | 2 | 5 | 1.031 | 2 | 19.8 | 1.253 | 2 | 12.3 | 232.66 | 5.76 | 5 | 5 | 573 | 61.0 | 5.87 |
| 21687129 | nudC domain-containing protein 2 [Homo sapiens] | 5.73 | 1 | 1 | 1 | 3 | 1.031 | 1 | | 1.250 | 1 | | 80.91 | 5.73 | 3 | 3 | 157 | 17.7 | 5.07 |
| 18105048 | histone H2B type 1-K [Homo sapiens] | 69.84 | 23 | 2 | 12 | 205 | 1.031 | 14 | 11.2 | 1.154 | 14 | 18.4 | 8249.34 | 69.84 | 34 | 205 | 126 | 13.9 | 10.32 |
| 530355690 | PREDICTED: keratin, type II cuticular Hb3 isoform X2 [Homo sapie | 3.13 | 9 | 1 | 2 | 10 | 1.031 | 3 | 5.1 | 1.094 | 3 | 1.8 | 162.70 | 3.13 | 4 | 10 | 447 | 49.7 | 5.54 |
| 578799625 | PREDICTED: NAD kinase isoform X5 [Homo sapiens] | 11.98 | 5 | 3 | 3 | 9 | 1.031 | 3 | 17.4 | 1.355 | 3 | 4.2 | 450.68 | 11.98 | 9 | 9 | 359 | 39.6 | 5.80 |
| 530385393 | PREDICTED: nicotinamide phosphoribosyltransferase isoform X1 [H | 68.64 | 13 | 28 | 28 | 223 | 1.031 | 84 | 8.2 | 1.171 | 84 | 13.0 | 9194.59 | 68.64 | 79 | 223 | 491 | 55.5 | 7.15 |
| 578803933 | PREDICTED: UBX domain-containing protein 4 isoform X1 [Homo s | 2.80 | 2 | 1 | 1 | 3 | 1.031 | 1 | | 1.249 | 1 | | 63.02 | 2.80 | 3 | 3 | 322 | 36.0 | 5.92 |
| 578802939 | PREDICTED: vacuolar protein sorting-associated protein 54 isoform | 0.53 | 3 | 1 | 1 | 3 | 1.031 | 1 | | 2.056 | 1 | | 34.56 | 0.53 | 3 | 3 | 941 | 106.3 | 6.38 |
| 530428415 | PREDICTED: proteasome subunit beta type-8 isoform X1 [Homo sa | 36.63 | 3 | 8 | 8 | 46 | 1.031 | 16 | 6.1 | 1.168 | 16 | 8.5 | 1874.38 | 36.63 | 24 | 46 | 243 | 27.0 | 7.18 |
| 295844834 | N-acetyl-D-glucosamine kinase [Homo sapiens] | 23.59 | 3 | 8 | 8 | 34 | 1.031 | 13 | 12.8 | 1.255 | 13 | 15.5 | 1235.54 | 23.59 | 22 | 34 | 390 | 42.0 | 6.68 |
| 578825752 | PREDICTED: heterogeneous nuclear ribonucleoproteins C1/C2 isof | 33.11 | 7 | 10 | 10 | 65 | 1.031 | 24 | 5.2 | 1.229 | 24 | 11.1 | 2642.19 | 33.11 | 28 | 65 | 293 | 32.3 | 5.08 |
| 48255933 | non-histone chromosomal protein HMG-14 [Homo sapiens] | 61.00 | 1 | 6 | 6 | 31 | 1.031 | 13 | 6.0 | 1.091 | 13 | 10.6 | 1226.85 | 61.00 | 15 | 31 | 100 | 10.7 | 9.60 |
| 14702162 | CAP-Gly domain-containing linker protein 2 isoform 2 [Homo sapie | 0.89 | 2 | 1 | 1 | 1 | 1.031 | 1 | | 0.971 | 1 | | 29.31 | 0.89 | 1 | 1 | 1011 | 111.7 | 6.76 |
| 530416417 | PREDICTED: apolipoprotein C-I isoform X1 [Homo sapiens] | 30.12 | 43 | 3 | 4 | 33 | 1.031 | 10 | 5.0 | 1.177 | 10 | 10.6 | 1041.02 | 30.12 | 12 | 33 | 83 | 9.3 | 8.47 |
| 401709950 | ubiquitin carboxyl-terminal hydrolase isozyme L3 isoform 1 [Homo | 15.98 | 4 | 3 | 3 | 10 | 1.031 | 4 | 2.3 | 1.117 | 4 | 12.7 | 382.74 | 15.98 | 8 | 10 | 194 | 21.9 | 4.93 |
| 54792071 | small ubiquitin-related modifier 2 isoform b precursor [Homo sapie | 30.99 | 7 | 2 | 2 | 14 | 1.030 | 5 | 1.5 | 1.200 | 5 | 7.7 | 569.62 | 30.99 | 6 | 14 | 71 | 8.1 | 5.41 |
| 56711324 | HAUS augmin-like complex subunit 3 [Homo sapiens] | 1.66 | 1 | 1 | 1 | 3 | 1.030 | 2 | 4.4 | 1.432 | 2 | 5.1 | 46.92 | 1.66 | 2 | 3 | 603 | 69.6 | 5.55 |
| 12667788 | myosin-9 [Homo sapiens] | 67.09 | 22 | 121 | 141 | 1476 | 1.030 | 478 | 7.8 | 1.188 | 475 | 16.4 | 68159.51 | 67.09 | 396 | 1476 | 1960 | 226.4 | 5.60 |
| 578837053 | PREDICTED: calcineurin-binding protein cabin-1 isoform X11 [Hom | 0.29 | 9 | 1 | 1 | 5 | 1.030 | 2 | 3.1 | | | | 69.87 | 0.29 | 3 | 5 | 2103 | 233.7 | 6.58 |
| 253970504 | RNA-binding protein EWS isoform 4 [Homo sapiens] | 4.50 | 8 | 2 | 2 | 5 | 1.030 | 2 | 1.1 | 1.126 | 2 | 2.7 | 190.68 | 4.50 | 5 | 5 | 600 | 62.5 | 9.39 |
| 4503477 | elongation factor 1-beta [Homo sapiens] | 19.56 | 1 | 3 | 4 | 26 | 1.030 | 8 | 3.4 | 1.111 | 8 | 15.2 | 1521.80 | 19.56 | 12 | 26 | 225 | 24.7 | 4.67 |
| 41393561 | cytosol aminopeptidase [Homo sapiens] | 6.94 | 1 | 3 | 3 | 10 | 1.030 | 4 | 11.4 | 1.091 | 4 | 7.3 | 443.25 | 6.94 | 8 | 10 | 519 | 56.1 | 7.93 |
| 237681091 | double-stranded RNA-specific editase 1 isoform 7 [Homo sapiens] | 1.34 | 9 | 1 | 1 | 12 | 1.030 | 5 | 9.5 | 1.249 | 3 | 11.7 | 188.05 | 1.34 | 3 | 12 | 674 | 73.6 | 9.03 |
| 190341024 | SPARC-like protein 1 isoform 1 precursor [Homo sapiens] | 8.28 | 2 | 2 | 2 | 5 | 1.029 | 2 | 10.9 | 0.854 | 2 | 78.0 | 173.28 | 8.28 | 5 | 5 | 664 | 75.2 | 4.81 |
| 94681046 | metal transporter CNNM4 precursor [Homo sapiens] | 0.90 | 5 | 1 | 1 | 5 | 1.029 | 2 | 15.5 | 1.290 | 2 | 24.6 | 97.11 | 0.90 | 3 | 5 | 775 | 86.6 | 6.07 |
| 5031595 | actin-related protein 2/3 complex subunit 4 isoform a [Homo sapie | 69.64 | 4 | 11 | 11 | 99 | 1.029 | 36 | 5.6 | 1.133 | 36 | 16.3 | 3825.25 | 69.64 | 33 | 99 | 168 | 19.7 | 8.43 |
| 11386183 | wiskott-Aldrich syndrome protein family member 2 isoform 1 [Hom | 5.42 | 2 | 2 | 2 | 6 | 1.029 | 2 | 5.4 | 1.081 | 2 | 16.8 | 211.39 | 5.42 | 6 | 6 | 498 | 54.3 | 5.53 |
| 236461719 | potassium voltage-gated channel subfamily KQT member 5 isoform | 0.76 | 4 | 1 | 1 | 2 | 1.029 | 1 | | 1.188 | 1 | | 31.63 | 0.76 | 2 | 2 | 923 | 101.2 | 9.50 |
| 530391071 | PREDICTED: heterogeneous nuclear ribonucleoprotein K isoform X | 26.42 | 4 | 10 | 10 | 60 | 1.029 | 22 | 6.5 | 1.109 | 22 | 15.9 | 2729.64 | 26.42 | 26 | 60 | 439 | 48.5 | 5.92 |
| 40254844 | receptor-interacting serine/threonine-protein kinase 3 [Homo sapie | 0.97 | 1 | 1 | 1 | 4 | 1.029 | 1 | | 1.137 | 1 | | 68.07 | 0.97 | 3 | 4 | 518 | 56.9 | 6.47 |
| 189163485 | lysosomal protective protein isoform b precursor [Homo sapiens] | 8.96 | 3 | 3 | 4 | 9 | 1.029 | 3 | 11.4 | 1.188 | 3 | 4.9 | 368.69 | 8.96 | 9 | 9 | 480 | 54.4 | 6.61 |
| 4505753 | phosphoglycerate mutase 1 [Homo sapiens] | 82.28 | 30 | 19 | 19 | 322 | 1.029 | 111 | 7.9 | 1.150 | 110 | 16.1 | 14521.22 | 82.28 | 56 | 322 | 254 | 28.8 | 7.18 |
| 8051584 | ficolin-1 precursor [Homo sapiens] | 27.30 | 9 | 7 | 7 | 37 | 1.029 | 12 | 4.3 | 1.213 | 12 | 13.9 | 1475.65 | 27.30 | 21 | 37 | 326 | 35.1 | 6.86 |
| 578815882 | PREDICTED: t-SNARE domain-containing protein 1 isoform X2 [Ho | 1.14 | 1 | 1 | 1 | 1 | 1.029 | 1 | | 1.259 | 1 | | 35.09 | 1.14 | 1 | 1 | 878 | 94.5 | 8.92 |
| 9257257 | WD repeat-containing protein 1 isoform 1 [Homo sapiens] | 59.74 | 3 | 28 | 28 | 257 | 1.029 | 93 | 7.7 | 1.175 | 92 | 13.7 | 13271.42 | 59.74 | 81 | 257 | 606 | 66.2 | 6.65 |
| 19913446 | neuron-specific calcium-binding protein hippocalcin [Homo sapiens | 4.15 | 3 | 1 | 1 | 3 | 1.029 | 1 | | 1.155 | 1 | | 70.76 | 4.15 | 3 | 3 | 193 | 22.4 | 4.97 |
| 30181236 | copine-2 [Homo sapiens] | 13.32 | 17 | 4 | 5 | 36 | 1.029 | 4 | 2.2 | 1.152 | 4 | 8.7 | 1137.71 | 13.32 | 15 | 36 | 548 | 61.2 | 6.07 |
| 5453567 | craniofacial development protein 1 [Homo sapiens] | 2.34 | 1 | 1 | 1 | 3 | 1.028 | 2 | 0.9 | 1.068 | 2 | 18.1 | 46.55 | 2.34 | 2 | 3 | 299 | 33.6 | 4.81 |
| 530366190 | PREDICTED: lamin-B receptor isoform X1 [Homo sapiens] | 9.95 | 2 | 6 | 6 | 39 | 1.028 | 15 | 5.8 | 1.118 | 15 | 6.3 | 1294.43 | 9.95 | 16 | 39 | 573 | 65.9 | 9.45 |
| 578827545 | PREDICTED: proline-serine-threonine phosphatase-interacting prot | 3.37 | 4 | 1 | 1 | 3 | 1.028 | 1 | | 1.057 | 1 | | 55.17 | 3.37 | 3 | 3 | 208 | 24.4 | 8.90 |
| 6912494 | microtubule-associated protein RP/EB family member 1 [Homo sap | 34.33 | 8 | 8 | 8 | 30 | 1.028 | 11 | 6.5 | 1.150 | 11 | 5.0 | 1078.63 | 34.33 | 22 | 30 | 268 | 30.0 | 5.14 |
| 578815682 | PREDICTED: phosphoprotein associated with glycosphingolipid-enr | 6.48 | 1 | 2 | 2 | 11 | 1.028 | 4 | 5.5 | 1.096 | 4 | 5.6 | 727.88 | 6.48 | 6 | 11 | 432 | 47.0 | 4.65 |
| 255653002 | glycogen phosphorylase, liver form isoform 2 [Homo sapiens] | 55.10 | 4 | 34 | 39 | 376 | 1.028 | 122 | 6.2 | 1.181 | 120 | 15.6 | 16285.34 | 55.10 | 114 | 376 | 813 | 93.1 | 7.30 |
| 55770842 | C-reactive protein precursor [Homo sapiens] | 34.38 | 1 | 7 | 7 | 70 | 1.028 | 26 | 10.7 | 1.228 | 25 | 22.0 | 2235.38 | 34.38 | 19 | 70 | 224 | 25.0 | 5.63 |
| 55749789 | DENN domain-containing protein 1A isoform 2 [Homo sapiens] | 1.25 | 6 | 1 | 1 | 3 | 1.028 | 3 | 1.9 | 1.465 | 3 | 30.8 | 47.83 | 1.25 | 2 | 3 | 559 | 63.3 | 7.85 |
| 578819702 | PREDICTED: MMS19 nucleotide excision repair protein homolog isc | 1.20 | 7 | 1 | 1 | 1 | 1.028 | 1 | | 1.166 | 1 | | 28.83 | 1.20 | 1 | 1 | 666 | 72.9 | 7.30 |
| 5031839 | keratin, type II cytoskeletal 6A [Homo sapiens] | 24.82 | 16 | 1 | 16 | 85 | 1.028 | 1 | | 1.073 | 1 | | 2903.28 | 24.82 | 43 | 85 | 564 | 60.0 | 8.00 |
| 4759270 | translin isoform 1 [Homo sapiens] | 38.60 | 2 | 6 | 6 | 30 | 1.028 | 10 | 5.4 | 1.182 | 10 | 13.7 | 1238.88 | 38.60 | 18 | 30 | 228 | 26.2 | 6.44 |
| 530364307 | PREDICTED: farnesyl pyrophosphate synthase isoform X2 [Homo s | 14.45 | 3 | 4 | 4 | 12 | 1.028 | 4 | 5.0 | 1.113 | 4 | 33.6 | 421.93 | 14.45 | 12 | 12 | 353 | 40.5 | 5.17 |
| 332205939 | ras-related protein Rab-11A isoform 2 [Homo sapiens] | 20.65 | 3 | 3 | 3 | 21 | 1.028 | 7 | 3.0 | 1.210 | 7 | 11.0 | 856.51 | 20.65 | 9 | 21 | 155 | 17.6 | 8.85 |
| 635574580 | hematopoietic lineage cell-specific protein isoform 2 [Homo sapien | 18.26 | 7 | 8 | 8 | 34 | 1.028 | 13 | 6.9 | 1.132 | 13 | 3.4 | 1108.07 | 18.26 | 21 | 34 | 449 | 49.7 | 4.74 |
| 4504901 | importin subunit alpha-3 [Homo sapiens] | 2.69 | 1 | 1 | 1 | 2 | 1.028 | 1 | | 1.172 | 1 | | 67.44 | 2.69 | 2 | 2 | 521 | 57.9 | 4.96 |
| 578809103 | PREDICTED: complement factor I isoform X4 [Homo sapiens] | 42.00 | 6 | 22 | 22 | 164 | 1.028 | 64 | 6.5 | 1.234 | 64 | 14.9 | 6983.12 | 42.00 | 61 | 164 | 531 | 60.0 | 7.93 |
| 5031789 | inositol monophosphatase 1 isoform 1 [Homo sapiens] | 20.94 | 3 | 5 | 5 | 12 | 1.028 | 5 | 3.4 | 1.144 | 5 | 33.2 | 631.10 | 20.94 | 12 | 12 | 277 | 30.2 | 5.26 |
| 11559925 | probable Xaa-Pro aminopeptidase 3 isoform 1 [Homo sapiens] | 2.76 | 1 | 1 | 2 | 6 | 1.028 | 1 | | 1.380 | 1 | | 99.40 | 2.76 | 4 | 6 | 507 | 57.0 | 6.83 |
| 217330646 | activated RNA polymerase II transcriptional coactivator p15 [Homo | 28.35 | 3 | 5 | 5 | 16 | 1.028 | 6 | 3.8 | 1.093 | 6 | 8.8 | 329.22 | 28.35 | 13 | 16 | 127 | 14.4 | 9.60 |
| 578821284 | PREDICTED: bifunctional ATP-dependent dihydroxyacetone kinase/ | 9.50 | 4 | 3 | 3 | 12 | 1.028 | 4 | 2.5 | 1.113 | 4 | 18.3 | 765.32 | 9.50 | 9 | 12 | 505 | 51.9 | 6.81 |
| 205277441 | thyroxine-binding globulin precursor [Homo sapiens] | 20.96 | 3 | 7 | 7 | 36 | 1.028 | 12 | 9.3 | 1.160 | 12 | 14.2 | 1984.11 | 20.96 | 21 | 36 | 415 | 46.3 | 6.30 |
| 10863977 | U6 snRNA-associated Sm-like protein LSm2 [Homo sapiens] | 27.37 | 1 | 2 | 2 | 6 | 1.027 | 2 | 2.1 | 1.272 | 2 | 28.4 | 268.33 | 27.37 | 6 | 6 | 95 | 10.8 | 6.52 |
| 578813850 | PREDICTED: actin-related protein 2/3 complex subunit 1B isoform | 44.09 | 3 | 13 | 13 | 113 | 1.027 | 39 | 7.3 | 1.148 | 39 | 15.7 | 5850.62 | 44.09 | 38 | 113 | 372 | 40.9 | 8.35 |
| 4507951 | 14-3-3 protein eta [Homo sapiens] | 65.45 | 1 | 11 | 18 | 180 | 1.027 | 20 | 7.2 | 1.145 | 20 | 17.3 | 6065.47 | 65.45 | 50 | 180 | 246 | 28.2 | 4.84 |
| 530364909 | PREDICTED: phosphatidylinositol 4-phosphate 3-kinase C2 domain | 0.31 | 2 | 1 | 1 | 14 | 1.027 | 8 | 5.6 | 1.255 | 8 | 5.6 | 114.82 | 0.31 | 2 | 14 | 1607 | 181.7 | 7.34 |
| 4507125 | small nuclear ribonucleoprotein-associated proteins B and B' isofor | 22.51 | 3 | 5 | 5 | 15 | 1.027 | 5 | 2.2 | 1.100 | 5 | 6.5 | 539.26 | 22.51 | 15 | 15 | 231 | 23.6 | 10.90 |
| 87159816 | V-type proton ATPase subunit E 1 isoform b [Homo sapiens] | 21.57 | 3 | 3 | 3 | 11 | 1.027 | 4 | 12.5 | 1.113 | 3 | 14.9 | 447.94 | 21.57 | 9 | 11 | 204 | 23.6 | 8.98 |
| 538917488 | isocitrate dehydrogenase [NADP] cytoplasmic [Homo sapiens] | 58.94 | 1 | 18 | 19 | 78 | 1.027 | 25 | 7.4 | 1.192 | 25 | 16.5 | 3368.75 | 58.94 | 53 | 78 | 414 | 46.6 | 7.01 |
| 189083849 | delta-aminolevulinic acid dehydratase [Homo sapiens] | 22.42 | 2 | 5 | 5 | 21 | 1.027 | 7 | 3.6 | 1.048 | 7 | 32.9 | 986.75 | 22.42 | 15 | 21 | 330 | 36.3 | 6.79 |
| 530402208 | PREDICTED: zinc finger CCCH domain-containing protein 13 isofor | 0.38 | 5 | 1 | 1 | 14 | 1.027 | 10 | 2.4 | 1.227 | 10 | 13.1 | 91.84 | 0.38 | 2 | 14 | 1564 | 184.8 | 9.47 |
| 13569879 | acidic leucine-rich nuclear phosphoprotein 32 family member E isof | 33.96 | 9 | 6 | 6 | 22 | 1.027 | 7 | 7.8 | 1.131 | 7 | 10.4 | 1218.58 | 33.96 | 17 | 22 | 268 | 30.7 | 3.85 |
| 38016911 | erythrocyte band 7 integral membrane protein isoform a [Homo sa | 7.64 | 2 | 2 | 2 | 7 | 1.027 | 3 | 5.7 | 1.166 | 3 | 7.0 | 412.23 | 7.64 | 5 | 7 | 288 | 31.7 | 7.88 |
| 60279268 | splicing factor U2AF 65 kDa subunit isoform b [Homo sapiens] | 6.37 | 3 | 3 | 3 | 8 | 1.027 | 3 | 3.2 | 1.307 | 3 | 1.5 | 237.71 | 6.37 | 8 | 8 | 471 | 53.1 | 9.09 |
| 530376357 | PREDICTED: ADP-ribosyl cyclase 2 isoform X3 [Homo sapiens] | 13.84 | 4 | 3 | 3 | 7 | 1.027 | 3 | 8.5 | 1.102 | 3 | 9.2 | 285.18 | 13.84 | 7 | 7 | 289 | 32.7 | 7.08 |
| 187608516 | arf-GAP with coiled-coil, ANK repeat and PH domain-containing pro | 3.60 | 3 | 2 | 2 | 6 | 1.027 | 2 | 0.3 | 0.939 | 2 | 24.7 | 188.95 | 3.60 | 6 | 6 | 778 | 88.0 | 6.80 |
| 5729953 | nuclear migration protein nudC [Homo sapiens] | 2.42 | 1 | 1 | 1 | 3 | 1.027 | 1 | | 1.121 | 1 | | 120.02 | 2.42 | 3 | 3 | 331 | 38.2 | 5.38 |
| 294489346 | motile sperm domain-containing protein 2 isoform 2 [Homo sapien | 2.20 | 4 | 1 | 1 | 2 | 1.027 | 1 | | 1.287 | 1 | | 102.28 | 2.20 | 2 | 2 | 455 | 52.1 | 6.14 |
| 73808090 | BUB3-interacting and GLEBS motif-containing protein ZNF207 isofo | 2.81 | 6 | 1 | 1 | 2 | 1.026 | 1 | | 1.501 | 1 | | 52.64 | 2.81 | 2 | 2 | 463 | 49.7 | 9.10 |
| 50593002 | U2 small nuclear ribonucleoprotein A' [Homo sapiens] | 15.69 | 1 | 3 | 3 | 8 | 1.026 | 3 | 6.6 | 1.158 | 3 | 0.2 | 457.28 | 15.69 | 8 | 8 | 255 | 28.4 | 8.62 |
| 578831041 | PREDICTED: cytokine receptor-like factor 3 isoform X1 [Homo sapi | 5.50 | 2 | 2 | 2 | 5 | 1.026 | 2 | 0.6 | 1.222 | 2 | 24.0 | 211.15 | 5.50 | 5 | 5 | 400 | 44.8 | 5.06 |
| 515869342 | hsc70-interacting protein isoform 2 [Homo sapiens] | 18.11 | 2 | 6 | 6 | 21 | 1.026 | 8 | 2.8 | 1.120 | 8 | 9.6 | 1025.07 | 18.11 | 16 | 21 | 359 | 40.1 | 5.30 |
| 115430223 | galectin-3 isoform 1 [Homo sapiens] | 28.40 | 2 | 6 | 6 | 48 | 1.026 | 17 | 6.1 | 1.182 | 17 | 13.9 | 1738.90 | 28.40 | 18 | 48 | 250 | 26.1 | 8.56 |
| 530380424 | PREDICTED: protein diaphanous homolog 1 isoform X1 [Homo sap | 8.88 | 3 | 7 | 7 | 23 | 1.026 | 8 | 5.1 | 1.147 | 8 | 14.9 | 958.42 | 8.88 | 20 | 23 | 1250 | 139.3 | 5.31 |
| 530421064 | PREDICTED: SH3 domain-containing kinase-binding protein 1 isofo | 11.44 | 6 | 5 | 5 | 14 | 1.026 | 5 | 4.5 | 1.130 | 5 | 5.0 | 708.46 | 11.44 | 14 | 14 | 647 | 71.4 | 8.29 |
| 377520143 | protein FAM49B [Homo sapiens] | 47.22 | 4 | 12 | 12 | 63 | 1.026 | 23 | 7.2 | 1.175 | 23 | 31.1 | 3198.56 | 47.22 | 34 | 63 | 324 | 36.7 | 6.06 |
| 4506205 | proteasome subunit beta type-9 proprotein [Homo sapiens] | 21.00 | 1 | 4 | 4 | 26 | 1.025 | 9 | 3.1 | 1.181 | 9 | 20.5 | 949.62 | 21.00 | 12 | 26 | 219 | 23.2 | 5.03 |
| 67782305 | superoxide dismutase [Mn], mitochondrial isoform A precursor [Ho | 46.85 | 2 | 8 | 8 | 45 | 1.025 | 16 | 7.0 | 1.130 | 16 | 9.4 | 1792.03 | 46.85 | 24 | 45 | 222 | 24.7 | 8.25 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23065544 | glutathione S-transferase Mu 1 isoform 1 [Homo sapiens] | 41.28 | 10 | 8 | 8 | 34 | 1.025 | 12 | 5.1 | 1.192 | 12 | 6.8 | 1425.87 | 41.28 | 22 | 34 | 218 | 25.7 | 6.70 |
| 9966777 | resistin precursor [Homo sapiens] | 51.85 | 1 | 4 | 4 | 54 | 1.025 | 19 | 5.4 | 1.152 | 19 | 27.6 | 2533.43 | 51.85 | 12 | 54 | 108 | 11.4 | 6.86 |
| 21264575 | AT-rich interactive domain-containing protein 1A isoform b [Homo | 0.73 | 2 | 1 | 1 | 3 | 1.025 | 1 |  | 1.332 | 1 |  | 266.77 | 0.73 | 3 | 3 | 2068 | 218.2 | 6.52 |
| 262118216 | coiled-coil domain-containing protein 88B precursor [Homo sapiens | 1.29 | 3 | 2 | 2 | 7 | 1.025 | 3 | 6.0 | 1.169 | 3 | 8.1 | 219.91 | 1.29 | 5 | 7 | 1476 | 164.7 | 5.11 |
| 316659409 | actin, cytoplasmic 2 [Homo sapiens] | 86.40 | 4 | 2 | 32 | 3749 | 1.025 | 60 | 10.4 | 1.202 | 60 | 31.6 | 165236.20 | 86.40 | 95 | 3749 | 375 | 41.8 | 5.48 |
| 530415478 | PREDICTED: zinc finger protein 256 isoform X1 [Homo sapiens] | 1.69 | 2 | 1 | 1 | 1 | 1.025 | 1 |  | **4.743** | 1 |  | 32.36 | 1.69 | 1 | 1 | 474 | 54.8 | 8.98 |
| 530417951 | PREDICTED: RNA-binding protein Raly isoform X3 [Homo sapiens] | 14.48 | 4 | 3 | 3 | 11 | 1.025 | 3 | 18.8 | 1.111 | 3 | 20.3 | 287.41 | 14.48 | 8 | 11 | 290 | 30.3 | 9.63 |
| 10863927 | peptidyl-prolyl cis-trans isomerase A [Homo sapiens] | 78.79 | 15 | 12 | 15 | 329 | 1.025 | 115 | 7.0 | 1.199 | 113 | 16.8 | 13369.46 | 78.79 | 44 | 329 | 165 | 18.0 | 7.81 |
| 557948119 | carbonyl reductase [NADPH] 1 isoform 2 [Homo sapiens] | 30.06 | 3 | 4 | 4 | 13 | 1.025 | 5 | 0.6 | 1.431 | 5 | 23.3 | 681.70 | 30.06 | 10 | 13 | 173 | 18.7 | 8.02 |
| 578810123 | PREDICTED: protein PRRC1 isoform X1 [Homo sapiens] | 3.15 | 2 | 1 | 1 | 2 | 1.025 | 1 |  | 1.382 | 1 |  | 64.14 | 3.15 | 2 | 2 | 445 | 46.7 | 5.83 |
| 375493534 | casein kinase 2, alpha 1 polypeptide-like [Homo sapiens] | 9.97 | 9 | 3 | 3 | 8 | 1.025 | 3 | 5.2 | 1.204 | 3 | 8.0 | 211.56 | 9.97 | 8 | 8 | 391 | 45.2 | 8.50 |
| 530418095 | PREDICTED: glutathione synthetase isoform X2 [Homo sapiens] | 10.13 | 1 | 4 | 4 | 10 | 1.025 | 4 | 4.1 | 1.212 | 4 | 7.9 | 334.53 | 10.13 | 10 | 10 | 474 | 52.4 | 5.92 |
| 118582255 | ATP-binding cassette sub-family C member 8 isoform 2 [Homo sap | 0.32 | 3 | 1 | 1 | 5 | 1.025 | 3 | 6.2 | 1.123 | 3 | 3.4 | 104.38 | 0.32 | 3 | 5 | 1581 | 176.9 | 7.81 |
| 578803915 | PREDICTED: heterogeneous nuclear ribonucleoprotein A3 isoform | 23.87 | 7 | 5 | 7 | 34 | 1.025 | 9 | 4.9 | 1.143 | 9 | 3.7 | 1267.49 | 23.87 | 20 | 34 | 331 | 35.4 | 9.17 |
| 4506203 | proteasome subunit beta type-7 proprotein [Homo sapiens] | 8.30 | 1 | 2 | 2 | 3 | 1.025 | 2 | 1.3 | 1.143 | 2 | 25.6 | 77.45 | 8.30 | 3 | 3 | 277 | 29.9 | 7.68 |
| 578808207 | PREDICTED: lateral signaling target protein 2 homolog isoform X4 | 0.85 | 1 | 1 | 1 | 4 | 1.025 | 3 | 2.3 | 1.243 | 3 | 7.3 | 46.47 | 0.85 | 3 | 4 | 936 | 101.4 | 5.64 |
| 24307939 | T-complex protein 1 subunit epsilon [Homo sapiens] | 30.68 | 1 | 13 | 13 | 40 | 1.024 | 15 | 5.5 | 1.189 | 15 | 14.4 | 1387.64 | 30.68 | 35 | 40 | 541 | 59.6 | 5.66 |
| 165905601 | proline-serine-threonine phosphatase-interacting protein 2 [Homo | 9.88 | 1 | 3 | 3 | 9 | 1.024 | 3 | 3.7 | 1.020 | 3 | 12.9 | 284.22 | 9.88 | 9 | 9 | 334 | 38.8 | 8.48 |
| 4506623 | 60S ribosomal protein L27 [Homo sapiens] | 5.88 | 1 | 1 | 1 | 3 | 1.024 | 1 |  | 2.110 | 1 |  | 76.00 | 5.88 | 3 | 3 | 136 | 15.8 | 10.56 |
| 530410446 | PREDICTED: alpha-2-antiplasmin isoform X6 [Homo sapiens] | 39.66 | 7 | 13 | 13 | 79 | 1.024 | 28 | 7.7 | 1.137 | 27 | 23.1 | 3459.87 | 39.66 | 39 | 79 | 464 | 51.7 | 6.29 |
| 58219792 | ras-related protein Rap-1b isoform 1 precursor [Homo sapiens] | 55.43 | 5 | 7 | 8 | 37 | 1.024 | 11 | 6.5 | 1.069 | 11 | 14.2 | 1420.15 | 55.43 | 22 | 37 | 184 | 20.8 | 5.78 |
| 578821773 | PREDICTED: fermitin family homolog 3 isoform X1 [Homo sapiens] | 36.65 | 4 | 18 | 18 | 80 | 1.024 | 28 | 5.8 | 1.202 | 28 | 20.5 | 3684.67 | 36.65 | 51 | 80 | 663 | 75.4 | 6.77 |
| 578798632 | PREDICTED: tyrosine-protein kinase Fgr isoform X1 [Homo sapiens | 17.20 | 92 | 6 | 7 | 28 | 1.024 | 7 | 3.7 | 1.244 | 7 | 13.0 | 1139.47 | 17.20 | 21 | 28 | 529 | 59.4 | 5.59 |
| 555290081 | 3'(2'),5'-bisphosphate nucleotidase 1 isoform 2 [Homo sapiens] | 6.32 | 6 | 2 | 2 | 8 | 1.024 | 3 | 2.5 | 1.121 | 3 | 1.3 | 166.21 | 6.32 | 5 | 8 | 253 | 27.5 | 5.33 |
| 56699409 | RNA-binding motif protein, X chromosome isoform 1 [Homo sapien | 11.00 | 4 | 3 | 4 | 18 | 1.024 | 4 | 1.4 | 1.242 | 4 | 5.0 | 724.49 | 11.00 | 12 | 18 | 391 | 42.3 | 10.05 |
| 530368014 | PREDICTED: spectrin beta chain, non-erythrocytic 1 isoform X2 [H | 15.74 | 7 | 28 | 29 | 103 | 1.024 | 36 | 5.1 | 1.232 | 36 | 21.6 | 4273.44 | 15.74 | 79 | 103 | 2351 | 272.7 | 5.64 |
| 4502161 | apolipoprotein C-IV precursor [Homo sapiens] | 5.51 | 1 | 1 | 1 | 2 | 1.024 | 1 |  | 0.959 | 1 |  | 73.89 | 5.51 | 2 | 2 | 127 | 14.5 | 8.92 |
| 6715607 | hemoglobin subunit gamma-2 [Homo sapiens] | 65.31 | 1 | 1 | 8 | 240 | 1.024 | 2 | 2.4 | 1.052 | 2 | 7.4 | 6354.71 | 65.31 | 24 | 240 | 147 | 16.1 | 7.20 |
| 4505891 | procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 precursor [Hom | 0.95 | 1 | 1 | 1 | 2 | 1.024 | 2 | 12.2 |  |  |  | 31.49 | 0.95 | 1 | 2 | 738 | 84.7 | 6.05 |
| 7661728 | ragulator complex protein LAMTOR2 isoform 1 [Homo sapiens] | 32.00 | 2 | 3 | 3 | 8 | 1.024 | 3 | 8.9 | 1.390 | 3 | 26.9 | 309.27 | 32.00 | 8 | 8 | 125 | 13.5 | 5.40 |
| 4505701 | pyridoxal kinase [Homo sapiens] | 41.99 | 5 | 8 | 8 | 47 | 1.024 | 16 | 6.7 | 1.123 | 16 | 14.8 | 2519.26 | 41.99 | 24 | 47 | 312 | 35.1 | 6.13 |
| 148762978 | uncharacterized protein C9orf172 [Homo sapiens] | 0.61 | 1 | 2 | 2 | 7 | 1.023 | 1 |  | 1.076 | 1 |  | 113.36 | 0.61 | 4 | 7 | 976 | 106.6 | 9.03 |
| 530396502 | PREDICTED: leucine-rich repeat transmembrane protein FLRT1 iso | 1.34 | 1 | 1 | 1 | 1 | 1.023 | 1 |  | 1.322 | 1 |  | 22.19 | 1.34 | 1 | 1 | 674 | 74.0 | 6.44 |
| 4504111 | growth factor receptor-bound protein 2 isoform 1 [Homo sapiens] | 37.33 | 2 | 7 | 7 | 26 | 1.023 | 10 | 3.8 | 1.186 | 10 | 23.6 | 1019.21 | 37.33 | 20 | 26 | 217 | 25.2 | 6.32 |
| 530418048 | PREDICTED: deoxynucleoside triphosphate triphosphohydrolase SA | 6.77 | 2 | 3 | 3 | 12 | 1.023 | 4 | 8.5 | 1.028 | 4 | 10.0 | 517.56 | 6.77 | 9 | 12 | 591 | 68.1 | 6.90 |
| 578818565 | PREDICTED: vimentin isoform X1 [Homo sapiens] | 55.79 | 51 | 33 | 35 | 345 | 1.023 | 124 | 7.3 | 1.144 | 124 | 12.2 | 13665.65 | 55.79 | 100 | 345 | 466 | 53.6 | 5.12 |
| 6598323 | rab GDP dissociation inhibitor beta isoform 1 [Homo sapiens] | 68.76 | 2 | 19 | 27 | 201 | 1.023 | 53 | 6.6 | 1.142 | 53 | 14.0 | 9147.25 | 68.76 | 78 | 201 | 445 | 50.6 | 6.47 |
| 108773810 | leucine--tRNA ligase, cytoplasmic [Homo sapiens] | 1.02 | 1 | 1 | 1 | 3 | 1.023 | 1 |  | 1.475 | 1 |  | 205.08 | 1.02 | 3 | 3 | 1176 | 134.4 | 7.30 |
| 5031695 | complement factor H-related protein 2 precursor [Homo sapiens] | 25.93 | 3 | 4 | 6 | 32 | 1.023 | 9 | 10.1 | 1.225 | 9 | 15.3 | 1240.37 | 25.93 | 18 | 32 | 270 | 30.6 | 6.38 |
| 295821193 | serum amyloid A-1 protein preproprotein [Homo sapiens] | 77.05 | 18 | 5 | 11 | 118 | 1.023 | 27 | 5.9 | 1.199 | 24 | 19.2 | 5803.50 | 77.05 | 28 | 118 | 122 | 13.5 | 6.79 |
| 380837121 | vesicle-trafficking protein SEC22b precursor [Homo sapiens] | 12.56 | 1 | 2 | 2 | 5 | 1.023 | 2 | 7.2 | 1.320 | 2 | 26.5 | 124.27 | 12.56 | 5 | 5 | 215 | 24.7 | 8.51 |
| 14210504 | AP-1 complex subunit mu-1 isoform 2 [Homo sapiens] | 1.89 | 4 | 1 | 1 | 3 | 1.023 | 1 |  | 1.119 | 1 |  | 136.78 | 1.89 | 3 | 3 | 423 | 48.6 | 7.30 |
| 14389309 | tubulin alpha-1C chain [Homo sapiens] | 42.98 | 6 | 5 | 15 | 135 | 1.023 | 9 | 5.8 | 1.261 | 9 | 12.8 | 5383.53 | 42.98 | 42 | 135 | 449 | 49.9 | 5.10 |
| 629266054 | probable G-protein coupled receptor 179 precursor [Homo sapiens] | 0.51 | 1 | 1 | 1 | 9 | 1.023 | 6 | 5.7 | 1.351 | 6 | 29.5 | 144.13 | 0.51 | 3 | 9 | 2367 | 257.2 | 5.71 |
| 530391036 | PREDICTED: solute carrier family 2, facilitated glucose transporter | 2.55 | 4 | 1 | 1 | 1 | 1.023 | 1 |  | 1.277 | 1 |  | 0.00 | 2.55 | 1 | 1 | 314 | 34.3 | 7.36 |
| 4504061 | N-acetylglucosamine-6-sulfatase precursor [Homo sapiens] | 14.31 | 1 | 6 | 6 | 18 | 1.023 | 6 | 5.7 | 1.157 | 6 | 7.9 | 772.42 | 14.31 | 18 | 18 | 552 | 62.0 | 8.31 |
| 124494254 | proliferation-associated protein 2G4 [Homo sapiens] | 32.74 | 1 | 10 | 10 | 43 | 1.023 | 16 | 5.0 | 1.120 | 16 | 13.1 | 1612.97 | 32.74 | 26 | 43 | 394 | 43.8 | 6.55 |
| 375477430 | T-complex protein 1 subunit delta isoform b [Homo sapiens] | 22.99 | 2 | 9 | 9 | 26 | 1.022 | 9 | 10.4 | 1.191 | 8 | 19.3 | 1019.56 | 22.99 | 26 | 26 | 509 | 54.7 | 7.83 |
| 4502101 | annexin A1 [Homo sapiens] | 77.46 | 2 | 31 | 32 | 464 | 1.022 | 175 | 9.4 | 1.168 | 174 | 17.7 | 21807.57 | 77.46 | 89 | 464 | 346 | 38.7 | 7.02 |
| 578807065 | PREDICTED: ceruloplasmin isoform X3 [Homo sapiens] | 74.93 | 4 | 1 | 62 | 811 | 1.022 | 1 |  | 1.033 | 1 |  | 36732.88 | 74.93 | 175 | 811 | 1065 | 122.1 | 5.72 |
| 578826513 | PREDICTED: putative V-set and immunoglobulin domain-containing | 22.83 | 2 | 1 | 3 | 101 | 1.022 | 4 | 0.8 | 1.066 | 4 | 4.3 | 6300.74 | 22.83 | 9 | 101 | 127 | 14.1 | 8.84 |
| 24430192 | keratin, type I cytoskeletal 16 [Homo sapiens] | 36.36 | 17 | 7 | 17 | 69 | 1.022 | 7 | 6.8 | 1.056 | 7 | 11.2 | 2535.41 | 36.36 | 48 | 69 | 473 | 51.2 | 5.05 |
| 5031877 | lamin-B1 isoform 1 [Homo sapiens] | 29.01 | 2 | 15 | 15 | 58 | 1.022 | 21 | 6.1 | 1.135 | 21 | 14.3 | 2688.70 | 29.01 | 42 | 58 | 586 | 66.4 | 5.16 |
| 586946397 | roundabout homolog 2 isoform 5 [Homo sapiens] | 0.76 | 6 | 1 | 1 | 1 | 1.022 | 1 |  | 1.247 | 1 |  | 35.50 | 0.76 | 1 | 1 | 785 | 85.4 | 6.06 |
| 10880979 | lymphocyte-specific protein 1 isoform 1 [Homo sapiens] | 48.08 | 6 | 11 | 11 | 70 | 1.022 | 25 | 8.5 | 1.121 | 25 | 15.4 | 3764.52 | 48.08 | 31 | 70 | 339 | 37.2 | 4.74 |
| 4507789 | ubiquitin-conjugating enzyme E2 L3 isoform 1 [Homo sapiens] | 64.94 | 3 | 8 | 8 | 33 | 1.022 | 12 | 2.0 | 1.149 | 12 | 12.3 | 1319.34 | 64.94 | 21 | 33 | 154 | 17.9 | 8.51 |
| 7661920 | eukaryotic initiation factor 4A-III [Homo sapiens] | 7.79 | 1 | 2 | 3 | 11 | 1.022 | 3 | 0.8 | 1.062 | 3 | 3.3 | 385.79 | 7.79 | 9 | 11 | 411 | 46.8 | 6.73 |
| 291084635 | 60 kDa SS-A/Ro ribonucleoprotein isoform 4 [Homo sapiens] | 2.12 | 5 | 1 | 1 | 2 | 1.022 | 1 |  | 1.538 | 1 |  | 96.05 | 2.12 | 2 | 2 | 518 | 58.4 | 8.37 |
| 56786155 | complement C1q subcomponent subunit C precursor [Homo sapien | 20.41 | 1 | 4 | 4 | 44 | 1.021 | 15 | 7.4 | 1.323 | 15 | 20.4 | 1818.42 | 20.41 | 12 | 44 | 245 | 25.8 | 8.41 |
| 40068518 | 6-phosphogluconate dehydrogenase, decarboxylating [Homo sapie | 66.46 | 1 | 30 | 30 | 419 | 1.021 | 155 | 8.2 | 1.228 | 153 | 20.0 | 20484.43 | 66.46 | 81 | 419 | 483 | 53.1 | 7.23 |
| 29788785 | tubulin beta chain isoform b [Homo sapiens] | 64.41 | 8 | 5 | 20 | 166 | 1.021 | 10 | 7.2 | 1.240 | 10 | 21.0 | 6917.30 | 64.41 | 57 | 166 | 444 | 49.6 | 4.89 |
| 530408977 | PREDICTED: sulfotransferase 1A1 isoform X1 [Homo sapiens] | 42.03 | 7 | 10 | 10 | 55 | 1.021 | 20 | 5.3 | 1.234 | 20 | 25.1 | 2053.88 | 42.03 | 29 | 55 | 295 | 34.1 | 6.62 |
| 578814724 | PREDICTED: maltase-glucoamylase, intestinal isoform X1 [Homo sa | 0.73 | 2 | 1 | 1 | 3 | 1.021 | 1 |  | 1.187 | 1 |  | 116.64 | 0.73 | 3 | 3 | 2753 | 311.8 | 5.41 |
| 37577157 | calpain-5 [Homo sapiens] | 1.09 | 1 | 1 | 1 | 4 | 1.021 | 1 |  | 1.149 | 1 |  | 41.12 | 1.09 | 2 | 4 | 640 | 73.1 | 7.64 |
| 88999583 | myosin light polypeptide 6 isoform 2 [Homo sapiens] | 74.83 | 4 | 8 | 10 | 168 | 1.021 | 43 | 7.2 | 1.124 | 43 | 14.1 | 7156.22 | 74.83 | 30 | 168 | 151 | 17.0 | 4.55 |
| 4557351 | cholinesterase precursor [Homo sapiens] | 1.83 | 2 | 1 | 1 | 3 | 1.021 | 1 |  | 1.004 | 1 |  | 191.75 | 1.83 | 3 | 3 | 602 | 68.4 | 7.42 |
| 4758018 | calponin-2 isoform a [Homo sapiens] | 34.95 | 4 | 7 | 7 | 68 | 1.021 | 26 | 6.3 | 0.984 | 25 | 28.8 | 3003.77 | 34.95 | 18 | 68 | 309 | 33.7 | 7.33 |
| 4502951 | collagen alpha-1(III) chain preproprotein [Homo sapiens] | 3.62 | 1 | 4 | 4 | 12 | 1.021 | 4 | 8.3 | 1.147 | 4 | 1.3 | 824.22 | 3.62 | 12 | 12 | 1466 | 138.5 | 6.57 |
| 16306550 | selenium-binding protein 1 isoform 1 [Homo sapiens] | 8.69 | 3 | 4 | 4 | 20 | 1.021 | 7 | 7.2 | 1.073 | 7 | 4.2 | 652.74 | 8.69 | 10 | 20 | 472 | 52.4 | 6.37 |
| 20357547 | V-type proton ATPase subunit F isoform 1 [Homo sapiens] | 10.08 | 3 | 1 | 1 | 3 | 1.020 | 1 |  | 1.031 | 1 |  | 158.38 | 10.08 | 3 | 3 | 119 | 13.4 | 5.52 |
| 530402212 | PREDICTED: spartin isoform X2 [Homo sapiens] | 1.80 | 1 | 1 | 1 | 3 | 1.020 | 1 |  | 1.365 | 1 |  | 149.63 | 1.80 | 3 | 3 | 666 | 72.8 | 5.91 |
| 4503291 | D-dopachrome decarboxylase [Homo sapiens] | 43.22 | 6 | 5 | 5 | 38 | 1.020 | 15 | 8.9 | 1.300 | 15 | 10.9 | 1383.12 | 43.22 | 14 | 38 | 118 | 12.7 | 7.30 |
| 5174539 | malate dehydrogenase, cytoplasmic isoform 2 [Homo sapiens] | 38.62 | 3 | 11 | 11 | 51 | 1.020 | 20 | 4.4 | 1.136 | 20 | 15.2 | 2434.66 | 38.62 | 31 | 51 | 334 | 36.4 | 7.36 |
| 321400142 | CD44 antigen isoform 8 precursor [Homo sapiens] | 10.54 | 19 | 3 | 3 | 21 | 1.020 | 7 | 4.7 | 1.026 | 7 | 1.8 | 770.95 | 10.54 | 9 | 21 | 294 | 32.1 | 5.21 |
| 4502107 | annexin A5 [Homo sapiens] | 72.81 | 1 | 18 | 20 | 159 | 1.020 | 53 | 7.4 | 1.105 | 53 | 13.3 | 5659.80 | 72.81 | 56 | 159 | 320 | 35.9 | 5.05 |
| 4506189 | proteasome subunit alpha type-7 [Homo sapiens] | 44.76 | 5 | 9 | 9 | 48 | 1.020 | 17 | 6.5 | 1.126 | 17 | 6.5 | 2260.91 | 44.76 | 26 | 48 | 248 | 27.9 | 8.46 |
| 10834978 | interleukin-8 precursor [Homo sapiens] | 31.31 | 1 | 3 | 3 | 14 | 1.020 | 6 | 2.7 | 1.059 | 6 | 18.4 | 487.38 | 31.31 | 6 | 14 | 99 | 11.1 | 8.84 |
| 4758950 | peptidyl-prolyl cis-trans isomerase B precursor [Homo sapiens] | 49.54 | 1 | 11 | 11 | 68 | 1.020 | 24 | 6.5 | 1.208 | 24 | 9.1 | 3060.14 | 49.54 | 32 | 68 | 216 | 23.7 | 9.41 |
| 578823780 | PREDICTED: nascent polypeptide-associated complex subunit alph | 18.60 | 7 | 3 | 3 | 10 | 1.020 | 3 | 2.1 | 1.121 | 3 | 7.1 | 482.64 | 18.60 | 8 | 10 | 215 | 23.4 | 4.56 |
| 18104948 | 60S ribosomal protein L21 [Homo sapiens] | 4.38 | 1 | 1 | 1 | 2 | 1.020 | 1 |  | 1.100 | 1 |  | 63.96 | 4.38 | 2 | 2 | 160 | 18.6 | 10.49 |
| 28827815 | protein S100-A7A [Homo sapiens] | 42.57 | 1 | 1 | 4 | 44 | 1.020 | 1 |  | 1.114 | 1 |  | 2323.05 | 42.57 | 12 | 44 | 101 | 11.3 | 7.44 |
| 71361688 | myeloblastin precursor [Homo sapiens] | 32.81 | 1 | 6 | 6 | 122 | 1.020 | 45 | 8.1 | 1.329 | 45 | 18.8 | 5196.98 | 32.81 | 17 | 122 | 256 | 27.8 | 8.35 |
| 19913418 | V-type proton ATPase 116 kDa subunit a isoform 1 isoform c [Hom | 0.96 | 4 | 1 | 1 | 1 | 1.020 | 1 |  | 1.161 | 1 |  | 30.24 | 0.96 | 1 | 1 | 831 | 95.7 | 6.65 |
| 56676393 | rho GDP-dissociation inhibitor 2 [Homo sapiens] | 80.10 | 1 | 16 | 17 | 336 | 1.020 | 126 | 9.0 | 1.091 | 125 | 18.0 | 14404.86 | 80.10 | 48 | 336 | 201 | 23.0 | 5.21 |
| 530407834 | PREDICTED: protein CLEC16A isoform X8 [Homo sapiens] | 0.79 | 8 | 1 | 1 | 3 | 1.020 | 1 |  | 1.257 | 1 |  | 75.46 | 0.79 | 3 | 3 | 884 | 100.8 | 6.32 |
| 5453555 | GTP-binding nuclear protein Ran isoform 1 [Homo sapiens] | 39.81 | 1 | 8 | 8 | 68 | 1.020 | 24 | 7.9 | 1.161 | 24 | 11.7 | 3299.47 | 39.81 | 23 | 68 | 216 | 24.4 | 7.49 |
| 578808923 | PREDICTED: protein transport protein Sec31A isoform X23 [Homo | 1.45 | 12 | 1 | 1 | 3 | 1.020 | 1 |  | 1.332 | 1 |  | 185.64 | 1.45 | 3 | 3 | 897 | 99.1 | 6.80 |
| 4504301 | histone H4 [Homo sapiens] | 59.22 | 1 | 8 | 8 | 197 | 1.020 | 73 | 6.3 | 1.281 | 73 | 16.3 | 8168.55 | 59.22 | 22 | 197 | 103 | 11.4 | 11.36 |
| 354983501 | protein-L-isoaspartate(D-aspartate) O-methyltransferase isoform 1 | 44.91 | 5 | 8 | 8 | 56 | 1.019 | 19 | 8.1 | 1.122 | 19 | 11.0 | 2570.91 | 44.91 | 23 | 56 | 285 | 30.3 | 7.52 |
| 16757970 | protein Niban [Homo sapiens] | 7.76 | 1 | 5 | 5 | 18 | 1.019 | 6 | 5.5 | 1.189 | 6 | 4.2 | 712.12 | 7.76 | 15 | 18 | 928 | 103.1 | 4.78 |
| 194688133 | high mobility group protein B2 [Homo sapiens] | 58.37 | 1 | 11 | 16 | 188 | 1.019 | 55 | 4.6 | 1.171 | 55 | 14.1 | 6897.31 | 58.37 | 42 | 188 | 209 | 24.0 | 7.81 |
| 5174661 | protein S100-A2 [Homo sapiens] | 9.28 | 1 | 1 | 1 | 3 | 1.019 | 1 |  | 1.034 | 1 |  | 164.46 | 9.28 | 3 | 3 | 97 | 11.0 | 4.78 |
| 11761621 | mannose-1-phosphate guanyltransferase beta isoform 2 [Homo sa | 10.56 | 2 | 3 | 3 | 16 | 1.019 | 6 | 6.5 | 1.223 | 6 | 24.6 | 526.55 | 10.56 | 9 | 16 | 360 | 39.8 | 6.79 |
| 578818938 | PREDICTED: cytochrome c oxidase assembly protein COX15 homol | 2.68 | 4 | 1 | 1 | 1 | 1.019 | 1 |  | 1.192 | 1 |  | 28.89 | 2.68 | 1 | 1 | 298 | 33.7 | 9.52 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16507237 | 78 kDa glucose-regulated protein precursor [Homo sapiens] | 39.45 | 3 | 23 | 25 | 175 | 1.019 | 42 | 5.0 | 1.107 | 42 | 11.5 | 8015.86 | 39.45 | 71 | 175 | 654 | 72.3 | 5.16 |
| 530406263 | PREDICTED: ras-related protein Rab-27A isoform X3 [Homo sapien | 25.60 | 4 | 5 | 5 | 20 | 1.019 | 7 | 4.6 | 1.192 | 7 | 13.7 | 904.16 | 25.60 | 14 | 20 | 168 | 19.2 | 5.38 |
| 111154090 | rho GTPase-activating protein 24 isoform 3 [Homo sapiens] | 0.77 | 4 | 1 | 1 | 9 | 1.019 | 6 | 4.0 | 1.079 | 6 | 3.9 | 78.59 | 0.77 | 2 | 9 | 653 | 73.2 | 6.81 |
| 4503481 | elongation factor 1-gamma [Homo sapiens] | 37.53 | 1 | 13 | 13 | 67 | 1.019 | 26 | 6.4 | 1.205 | 26 | 14.5 | 2846.89 | 37.53 | 36 | 67 | 437 | 50.1 | 6.67 |
| 5454088 | acidic leucine-rich nuclear phosphoprotein 32 family member B [Hc | 28.69 | 13 | 3 | 9 | 72 | 1.019 | 11 | 7.2 | 1.107 | 11 | 15.1 | 2766.84 | 28.69 | 27 | 72 | 251 | 28.8 | 4.06 |
| 311771535 | T-complex protein 1 subunit beta isoform 2 [Homo sapiens] | 11.68 | 2 | 5 | 5 | 22 | 1.019 | 7 | 6.1 | 1.057 | 7 | 6.8 | 916.03 | 11.68 | 14 | 22 | 488 | 52.7 | 6.44 |
| 6005942 | transitional endoplasmic reticulum ATPase [Homo sapiens] | 57.32 | 54 | 36 | 37 | 179 | 1.019 | 65 | 5.6 | 1.144 | 65 | 15.1 | 6780.04 | 57.32 | 104 | 179 | 806 | 89.3 | 5.26 |
| 530368148 | PREDICTED: macrophage-capping protein isoform X1 [Homo sapie | 69.25 | 2 | 14 | 14 | 123 | 1.019 | 43 | 8.1 | 1.218 | 42 | 14.0 | 6265.62 | 69.25 | 42 | 123 | 348 | 38.5 | 6.19 |
| 23110942 | proteasome subunit alpha type-5 isoform 1 [Homo sapiens] | 30.29 | 2 | 5 | 5 | 25 | 1.019 | 9 | 6.4 | 1.212 | 9 | 10.8 | 1174.04 | 30.29 | 15 | 25 | 241 | 26.4 | 4.79 |
| 530393330 | PREDICTED: zinc finger SWIM domain-containing protein 8 isoforn | 0.61 | 10 | 1 | 1 | 8 | 1.018 | 3 | 3.0 | 1.376 | 3 | 1.4 | 139.15 | 0.61 | 3 | 8 | 1800 | 193.4 | 6.99 |
| 40385883 | ribulose-phosphate 3-epimerase isoform 1 [Homo sapiens] | 22.81 | 6 | 4 | 4 | 14 | 1.018 | 5 | 1.1 | 1.359 | 5 | 3.8 | 847.65 | 22.81 | 11 | 14 | 228 | 24.9 | 5.58 |
| 20357529 | guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 [ | 11.47 | 7 | 3 | 3 | 7 | 1.018 | 2 | 0.2 | 1.147 | 2 | 6.8 | 488.69 | 11.47 | 7 | 7 | 340 | 37.3 | 6.00 |
| 24119203 | tropomyosin alpha-3 chain isoform 2 [Homo sapiens] | 69.76 | 20 | 19 | 33 | 246 | 1.018 | 51 | 7.3 | 1.138 | 49 | 13.1 | 8716.91 | 69.76 | 88 | 246 | 248 | 29.0 | 4.78 |
| 20149675 | EF-hand domain-containing protein D2 [Homo sapiens] | 40.83 | 4 | 11 | 11 | 57 | 1.018 | 22 | 6.2 | 1.112 | 22 | 10.4 | 2299.16 | 40.83 | 30 | 57 | 240 | 26.7 | 5.20 |
| 5453990 | proteasome activator complex subunit 1 isoform 1 [Homo sapiens] | 71.49 | 4 | 14 | 14 | 62 | 1.018 | 25 | 7.8 | 1.215 | 25 | 17.6 | 2432.81 | 71.49 | 36 | 62 | 249 | 28.7 | 6.02 |
| 530397175 | PREDICTED: signal-induced proliferation-associated protein 1 isofo | 2.50 | 1 | 2 | 2 | 6 | 1.018 | 2 | 3.4 | 1.100 | 2 | 14.9 | 341.00 | 2.50 | 6 | 6 | 1042 | 112.1 | 6.60 |
| 530387889 | PREDICTED: serine/threonine-protein phosphatase 2A 55 kDa regu | 7.99 | 15 | 2 | 2 | 8 | 1.018 | 3 | 6.7 | 0.990 | 3 | 15.2 | 325.48 | 7.99 | 6 | 8 | 288 | 33.5 | 6.61 |
| 578826102 | PREDICTED: tryptophan--tRNA ligase, cytoplasmic isoform X4 [Hor | 43.52 | 2 | 16 | 16 | 50 | 1.018 | 20 | 5.5 | 1.117 | 20 | 13.9 | 2132.99 | 43.52 | 41 | 50 | 471 | 53.1 | 6.23 |
| 57634536 | la-related protein 4B [Homo sapiens] | 0.68 | 2 | 1 | 1 | 1 | 1.018 | 1 |  | 1.201 | 1 |  | 30.85 | 0.68 | 1 | 1 | 738 | 80.5 | 6.92 |
| 66932947 | alpha-2-macroglobulin precursor [Homo sapiens] | 71.71 | 23 | 78 | 87 | 2369 | 1.018 | 685 | 7.3 | 1.217 | 678 | 21.0 | 119449.02 | 71.71 | 247 | 2369 | 1474 | 163.2 | 6.42 |
| 347543829 | dihydropyrimidinase-related protein 2 isoform 3 [Homo sapiens] | 12.69 | 11 | 5 | 5 | 16 | 1.018 | 6 | 2.6 | 1.293 | 6 | 5.6 | 769.58 | 12.69 | 13 | 16 | 536 | 58.1 | 6.15 |
| 34577063 | adenylosuccinate synthetase isozyme 2 [Homo sapiens] | 31.80 | 4 | 12 | 12 | 69 | 1.018 | 26 | 8.8 | 1.224 | 26 | 24.2 | 3072.83 | 31.80 | 33 | 69 | 456 | 50.1 | 6.55 |
| 30410792 | proteasome activator complex subunit 2 [Homo sapiens] | 38.91 | 3 | 7 | 7 | 30 | 1.018 | 11 | 3.8 | 1.118 | 11 | 10.3 | 1535.34 | 38.91 | 20 | 30 | 239 | 27.4 | 5.73 |
| 188536004 | zinc finger protein 469 [Homo sapiens] | 0.23 | 1 | 1 | 1 | 1 | 1.018 | 1 |  | 0.814 | 1 |  | 34.37 | 0.23 | 1 | 1 | 3925 | 409.9 | 7.72 |
| 662236841 | mitogen-activated protein kinase kinase kinase 6 isoform 2 [Homo | 0.47 | 2 | 1 | 1 | 6 | 1.018 | 2 | 6.2 | 1.135 | 2 | 8.0 | 80.00 | 0.47 | 3 | 6 | 1280 | 141.6 | 7.18 |
| 320202986 | alcohol dehydrogenase [NADP(+)] [Homo sapiens] | 31.69 | 2 | 8 | 8 | 26 | 1.017 | 8 | 2.9 | 1.199 | 8 | 15.3 | 1343.90 | 31.69 | 23 | 26 | 325 | 36.5 | 6.79 |
| 578818655 | PREDICTED: glycylpeptide N-tetradecanoyltransferase 2 isoform X3 | 4.31 | 6 | 1 | 2 | 5 | 1.017 | 1 |  | 0.992 | 1 |  | 156.35 | 4.31 | 5 | 5 | 441 | 50.5 | 6.38 |
| 4507903 | serine/threonine-protein kinase VRK1 [Homo sapiens] | 3.54 | 3 | 1 | 1 | 3 | 1.017 | 1 |  | 1.347 | 1 |  | 195.33 | 3.54 | 3 | 3 | 396 | 45.4 | 8.91 |
| 4505257 | moesin [Homo sapiens] | 79.03 | 28 | 43 | 59 | 729 | 1.017 | 203 | 8.2 | 1.160 | 198 | 16.7 | 26577.23 | 79.03 | 167 | 729 | 577 | 67.8 | 6.40 |
| 10863945 | X-ray repair cross-complementing protein 5 [Homo sapiens] | 27.46 | 3 | 13 | 13 | 81 | 1.017 | 28 | 6.0 | 1.052 | 28 | 16.0 | 4795.77 | 27.46 | 39 | 81 | 732 | 82.7 | 5.81 |
| 19923483 | ras-related protein Rab-14 [Homo sapiens] | 31.63 | 16 | 3 | 4 | 15 | 1.017 | 4 | 6.3 | 1.211 | 4 | 16.4 | 876.50 | 31.63 | 12 | 15 | 215 | 23.9 | 6.21 |
| 530406418 | PREDICTED: tropomyosin alpha-1 chain isoform X18 [Homo sapien | 40.41 | 29 | 4 | 16 | 113 | 1.017 | 5 | 7.4 | 1.113 | 5 | 11.0 | 3802.20 | 40.41 | 43 | 113 | 245 | 28.5 | 4.78 |
| 530403015 | PREDICTED: WD repeat and HMG-box DNA-binding protein 1 isofo | 1.09 | 1 | 1 | 1 | 2 | 1.017 | 1 |  | 1.138 | 1 |  | 40.99 | 1.09 | 2 | 2 | 825 | 92.7 | 5.52 |
| 530396910 | PREDICTED: synaptotagmin-like protein 2 isoform X3 [Homo sapie | 0.37 | 4 | 1 | 1 | 2 | 1.017 | 1 |  | 1.926 | 1 |  | 35.39 | 0.37 | 2 | 2 | 1602 | 178.3 | 5.72 |
| 530384472 | PREDICTED: chromobox protein homolog 3 isoform X1 [Homo sapi | 55.74 | 3 | 7 | 8 | 46 | 1.017 | 16 | 8.8 | 1.166 | 15 | 15.5 | 1539.57 | 55.74 | 23 | 46 | 183 | 20.8 | 5.33 |
| 4758638 | peroxiredoxin-6 [Homo sapiens] | 70.98 | 1 | 15 | 15 | 105 | 1.017 | 40 | 5.9 | 1.105 | 39 | 9.8 | 4701.64 | 70.98 | 43 | 105 | 224 | 25.0 | 6.38 |
| 133925809 | inter-alpha-trypsin inhibitor heavy chain H3 preproprotein [Homo s | 23.71 | 4 | 16 | 16 | 111 | 1.017 | 41 | 6.7 | 1.102 | 41 | 16.3 | 4969.07 | 23.71 | 47 | 111 | 890 | 99.8 | 5.74 |
| 530426021 | PREDICTED: attractin isoform X2 [Homo sapiens] | 9.99 | 5 | 9 | 9 | 39 | 1.017 | 14 | 4.2 | 1.132 | 14 | 10.8 | 1546.39 | 9.99 | 26 | 39 | 1111 | 122.9 | 7.23 |
| 4502133 | serum amyloid P-component precursor [Homo sapiens] | 29.60 | 1 | 7 | 7 | 86 | 1.017 | 33 | 5.6 | 1.276 | 33 | 11.7 | 3352.92 | 29.60 | 21 | 86 | 223 | 25.4 | 6.54 |
| 296011003 | abl interactor 1 isoform I [Homo sapiens] | 3.34 | 17 | 1 | 1 | 3 | 1.017 | 1 |  | 1.154 | 1 |  | 124.88 | 3.34 | 3 | 3 | 329 | 35.9 | 5.06 |
| 260436922 | suprabasin isoform 1 precursor [Homo sapiens] | 9.15 | 1 | 2 | 2 | 6 | 1.017 | 2 | 8.3 | 1.041 | 2 | 6.3 | 312.40 | 9.15 | 6 | 6 | 590 | 60.5 | 7.01 |
| 4506003 | serine/threonine-protein phosphatase PP1-alpha catalytic subunit is | 29.70 | 6 | 3 | 8 | 50 | 1.017 | 5 | 2.2 | 1.030 | 5 | 4.9 | 1655.83 | 29.70 | 22 | 50 | 330 | 37.5 | 6.33 |
| 10947139 | arginase-1 isoform 2 [Homo sapiens] | 66.15 | 2 | 14 | 14 | 105 | 1.017 | 37 | 4.8 | 1.197 | 37 | 15.9 | 4564.48 | 66.15 | 41 | 105 | 322 | 34.7 | 7.21 |
| 662033927 | astrocytic phosphoprotein PEA-15 isoform c [Homo sapiens] | 9.26 | 3 | 1 | 1 | 2 | 1.017 | 1 |  | 0.944 | 1 |  | 102.66 | 9.26 | 2 | 2 | 108 | 12.5 | 5.17 |
| 216548487 | protein-arginine deiminase type-4 [Homo sapiens] | 50.23 | 5 | 25 | 26 | 263 | 1.017 | 90 | 7.6 | 1.175 | 90 | 16.5 | 10898.00 | 50.23 | 77 | 263 | 663 | 74.0 | 6.58 |
| 635372916 | enolase-phosphatase E1 isoform 2 [Homo sapiens] | 12.72 | 2 | 1 | 1 | 3 | 1.017 | 1 |  | 1.200 | 1 |  | 207.12 | 12.72 | 3 | 3 | 173 | 19.2 | 5.81 |
| 555943829 | solute carrier family 2, facilitated glucose transporter member 14 is | 2.68 | 5 | 1 | 1 | 3 | 1.017 | 1 |  | 0.887 | 1 |  | 102.21 | 2.68 | 3 | 3 | 411 | 44.9 | 7.80 |
| 112421122 | dnaJ homolog subfamily C member 13 [Homo sapiens] | 0.85 | 2 | 2 | 2 | 5 | 1.016 | 2 | 3.0 | 1.206 | 2 | 19.9 | 173.85 | 0.85 | 5 | 5 | 2243 | 254.3 | 6.74 |
| 19923142 | importin subunit beta-1 isoform 1 [Homo sapiens] | 12.21 | 2 | 9 | 9 | 39 | 1.016 | 14 | 5.7 | 1.165 | 14 | 16.0 | 1591.84 | 12.21 | 27 | 39 | 876 | 97.1 | 4.78 |
| 578815934 | PREDICTED: triple QxxK/R motif-containing protein isoform X1 [Ho | 6.98 | 1 | 1 | 1 | 3 | 1.016 | 1 |  | 1.231 | 1 |  | 101.70 | 6.98 | 3 | 3 | 86 | 9.7 | 9.36 |
| 578815687 | PREDICTED: 60S ribosomal protein L7 isoform X1 [Homo sapiens] | 9.13 | 2 | 1 | 1 | 5 | 1.016 | 2 | 2.3 | 1.050 | 2 | 11.2 | 229.23 | 9.13 | 3 | 5 | 208 | 24.4 | 10.67 |
| 4505763 | phosphoglycerate kinase 1 [Homo sapiens] | 81.77 | 1 | 26 | 32 | 548 | 1.016 | 155 | 9.1 | 1.155 | 155 | 13.1 | 23325.12 | 81.77 | 92 | 548 | 417 | 44.6 | 8.10 |
| 282721079 | sushi repeat-containing protein SRPX isoform 4 precursor [Homo sa | 1.58 | 4 | 1 | 1 | 1 | 1.016 | 1 |  | 1.778 | 1 |  | 23.10 | 1.58 | 1 | 1 | 379 | 41.7 | 8.69 |
| 578819848 | PREDICTED: calcium/calmodulin-dependent protein kinase type II | 2.67 | 22 | 1 | 1 | 2 | 1.016 | 1 |  | 1.145 | 1 |  | 73.44 | 2.67 | 2 | 2 | 337 | 36.7 | 9.16 |
| 88703045 | proline-rich protein 11 [Homo sapiens] | 1.94 | 1 | 1 | 1 | 1 | 1.016 | 1 |  | **2.616** | 1 |  | 23.44 | 1.94 | 1 | 1 | 360 | 40.1 | 10.11 |
| 5803013 | endoplasmic reticulum resident protein 29 isoform 1 precursor [Hoi | 31.03 | 2 | 6 | 6 | 38 | 1.016 | 14 | 5.3 | 1.159 | 14 | 13.9 | 1555.54 | 31.03 | 16 | 38 | 261 | 29.0 | 7.31 |
| 578822199 | PREDICTED: neutrophil collagenase isoform X1 [Homo sapiens] | 43.24 | 2 | 15 | 15 | 186 | 1.016 | 65 | 5.8 | 1.127 | 64 | 11.2 | 9780.80 | 43.24 | 43 | 186 | 444 | 50.8 | 6.16 |
| 4826686 | ATP-dependent RNA helicase DDX1 [Homo sapiens] | 2.84 | 1 | 1 | 1 | 11 | 1.016 | 4 | 3.7 | 1.184 | 4 | 16.9 | 678.82 | 2.84 | 3 | 11 | 740 | 82.4 | 7.23 |
| 194394158 | nicotinate phosphoribosyltransferase isoform 1 [Homo sapiens] | 44.24 | 2 | 16 | 16 | 80 | 1.015 | 30 | 6.0 | 1.133 | 30 | 19.9 | 3943.08 | 44.24 | 43 | 80 | 538 | 57.5 | 5.68 |
| 5031635 | cofilin-1 [Homo sapiens] | 80.12 | 20 | 22 | 22 | 275 | 1.015 | 99 | 10.2 | 1.157 | 99 | 12.6 | 10448.46 | 80.12 | 65 | 275 | 166 | 18.5 | 8.09 |
| 51873067 | sulfhydryl oxidase 1 isoform b precursor [Homo sapiens] | 22.68 | 2 | 11 | 11 | 46 | 1.015 | 16 | 6.2 | 1.176 | 16 | 18.9 | 1742.16 | 22.68 | 32 | 46 | 604 | 66.8 | 8.56 |
| 11496277 | ragulator complex protein LAMTOR3 isoform 1 [Homo sapiens] | 41.13 | 2 | 2 | 2 | 6 | 1.015 | 2 | 7.8 | 1.111 | 2 | 3.6 | 388.18 | 41.13 | 6 | 6 | 124 | 13.6 | 7.34 |
| 4506381 | ras-related C3 botulinum toxin substrate 2 [Homo sapiens] | 53.65 | 6 | 4 | 9 | 73 | 1.015 | 18 | 4.9 | 1.647 | 16 | 21.2 | 2942.70 | 53.65 | 22 | 73 | 192 | 21.4 | 7.61 |
| 4501891 | alpha-actinin-1 isoform b [Homo sapiens] | 74.89 | 44 | 38 | 61 | 592 | 1.015 | 116 | 6.1 | 1.130 | 112 | 16.6 | 25616.81 | 74.89 | 173 | 592 | 892 | 103.0 | 5.41 |
| 4507877 | vinculin isoform VCL [Homo sapiens] | 59.10 | 4 | 53 | 53 | 283 | 1.015 | 103 | 7.5 | 1.192 | 102 | 15.1 | 14969.72 | 59.10 | 152 | 283 | 1066 | 116.6 | 6.09 |
| 6912586 | 6-phosphogluconolactonase [Homo sapiens] | 42.25 | 2 | 8 | 8 | 43 | 1.015 | 16 | 4.8 | 1.188 | 16 | 18.2 | 1964.01 | 42.25 | 23 | 43 | 258 | 27.5 | 6.05 |
| 144226251 | chitinase-3-like protein 1 precursor [Homo sapiens] | 41.78 | 1 | 12 | 12 | 67 | 1.015 | 24 | 4.5 | 1.305 | 23 | 29.4 | 3595.52 | 41.78 | 35 | 67 | 383 | 42.6 | 8.46 |
| 4502261 | antithrombin-III precursor [Homo sapiens] | 68.32 | 2 | 32 | 32 | 298 | 1.015 | 109 | 7.1 | 1.159 | 109 | 17.0 | 12184.01 | 68.32 | 94 | 298 | 464 | 52.6 | 6.71 |
| 4507793 | ubiquitin-conjugating enzyme E2 N [Homo sapiens] | 36.84 | 2 | 5 | 5 | 25 | 1.015 | 9 | 7.8 | 1.139 | 9 | 12.0 | 876.09 | 36.84 | 15 | 25 | 152 | 17.1 | 6.57 |
| 115430227 | LYR motif-containing protein 5 [Homo sapiens] | 12.22 | 1 | 1 | 1 | 1 | 1.015 | 1 |  | 1.187 | 1 |  | 29.17 | 12.22 | 1 | 1 | 90 | 10.9 | 9.92 |
| 11128019 | cytochrome c [Homo sapiens] | 36.19 | 1 | 4 | 4 | 17 | 1.015 | 6 | 2.0 | 1.103 | 6 | 14.7 | 671.80 | 36.19 | 11 | 17 | 105 | 11.7 | 9.57 |
| 530422768 | PREDICTED: high mobility group protein B3 isoform X3 [Homo sap | 18.50 | 3 | 3 | 4 | 13 | 1.015 | 3 | 5.5 | 1.114 | 3 | 0.9 | 503.22 | 18.50 | 8 | 13 | 200 | 23.0 | 8.37 |
| 4503971 | rab GDP dissociation inhibitor alpha [Homo sapiens] | 36.69 | 1 | 6 | 14 | 80 | 1.015 | 9 | 4.5 | 1.126 | 9 | 22.5 | 3748.04 | 36.69 | 41 | 80 | 447 | 50.6 | 5.14 |
| 4505591 | peroxiredoxin-1 [Homo sapiens] | 46.73 | 3 | 8 | 9 | 61 | 1.015 | 17 | 10.1 | 1.104 | 17 | 7.5 | 2425.74 | 46.73 | 26 | 61 | 199 | 22.1 | 8.13 |
| 4503689 | fibrinogen alpha chain isoform alpha-E preproprotein [Homo sapier | 54.04 | 56 | 46 | 48 | 964 | 1.015 | 359 | 7.4 | 1.178 | 355 | 17.1 | 32885.55 | 54.04 | 134 | 964 | 866 | 94.9 | 6.01 |
| 530389317 | PREDICTED: 14-3-3 protein zeta/delta isoform X2 [Homo sapiens] | 81.22 | 17 | 16 | 26 | 282 | 1.015 | 58 | 7.4 | 1.144 | 58 | 11.5 | 11787.56 | 81.22 | 70 | 282 | 245 | 27.7 | 4.79 |
| 5031855 | lymphocyte cytosolic protein 2 [Homo sapiens] | 8.44 | 1 | 4 | 4 | 15 | 1.015 | 6 | 2.2 | 0.967 | 6 | 14.0 | 561.46 | 8.44 | 9 | 15 | 533 | 60.2 | 6.27 |
| 5453908 | phosphatidylinositol transfer protein alpha isoform [Homo sapiens] | 5.56 | 1 | 2 | 2 | 4 | 1.015 | 2 | 1.2 | 1.099 | 2 | 3.3 | 149.87 | 5.56 | 4 | 4 | 270 | 31.8 | 6.55 |
| 178557739 | complement C4-B preproprotein [Homo sapiens] | 66.40 | 42 | 4 | 91 | 1339 | 1.015 | 22 | 13.7 | 1.169 | 19 | 24.5 | 59088.23 | 66.40 | 263 | 1339 | 1744 | 192.6 | 7.27 |
| 402478626 | low affinity immunoglobulin gamma Fc region receptor III-B isoforr | 20.37 | 18 | 4 | 5 | 18 | 1.015 | 6 | 3.9 | 1.113 | 6 | 10.5 | 564.34 | 20.37 | 15 | 18 | 216 | 24.4 | 6.71 |
| 40316915 | aminopeptidase B [Homo sapiens] | 29.08 | 4 | 14 | 14 | 57 | 1.015 | 24 | 6.8 | 1.239 | 24 | 17.8 | 2527.87 | 29.08 | 36 | 57 | 650 | 72.5 | 5.74 |
| 56788356 | tuftelin-interacting protein 11 [Homo sapiens] | 0.84 | 1 | 1 | 1 | 1 | 1.015 | 1 |  | 1.635 | 1 |  | 20.44 | 0.84 | 1 | 1 | 837 | 96.8 | 5.67 |
| 5032059 | protein S100-A12 [Homo sapiens] | 90.22 | 1 | 10 | 10 | 445 | 1.015 | 159 | 8.8 | 1.256 | 154 | 26.6 | 21168.22 | 90.22 | 28 | 445 | 92 | 10.6 | 6.25 |
| 10947135 | ATP-binding cassette sub-family F member 1 isoform b [Homo sapi | 1.36 | 2 | 1 | 1 | 6 | 1.015 | 2 | 4.3 | 1.125 | 2 | 12.2 | 317.72 | 1.36 | 3 | 6 | 807 | 91.6 | 7.68 |
| 530395344 | PREDICTED: rho-related GTP-binding protein RhoG isoform X1 [Ho | 30.89 | 5 | 4 | 5 | 32 | 1.015 | 5 | 4.0 | 1.258 | 5 | 16.0 | 1719.17 | 30.89 | 15 | 32 | 191 | 21.3 | 8.12 |
| 256818825 | THAP domain-containing protein 4 isoform 1 [Homo sapiens] | 1.04 | 2 | 1 | 1 | 3 | 1.015 | 1 |  | 1.256 | 1 |  | 82.19 | 1.04 | 3 | 3 | 577 | 62.9 | 9.28 |
| 4759160 | small nuclear ribonucleoprotein Sm D3 [Homo sapiens] | 7.94 | 1 | 1 | 1 | 3 | 1.015 | 1 |  | 1.071 | 1 |  | 122.53 | 7.94 | 3 | 3 | 126 | 13.9 | 10.32 |
| 4506761 | protein S100-A10 [Homo sapiens] | 23.71 | 1 | 2 | 2 | 5 | 1.014 | 2 | 5.4 | 1.136 | 2 | 0.6 | 129.73 | 23.71 | 5 | 5 | 97 | 11.2 | 7.37 |
| 105990532 | apolipoprotein B-100 precursor [Homo sapiens] | 49.92 | 7 | 193 | 193 | 1374 | 1.014 | 490 | 6.5 | 1.298 | 481 | 25.5 | 60035.01 | 49.92 | 556 | 1374 | 4563 | 515.2 | 7.05 |
| 188497671 | serum amyloid A-2 protein isoform a precursor [Homo sapiens] | 71.31 | 18 | 5 | 11 | 67 | 1.014 | 8 | 5.7 | 1.181 | 8 | 12.2 | 2489.74 | 71.31 | 27 | 67 | 122 | 13.5 | 9.14 |
| 71284108 | nuclear distribution protein nudE-like 1 isoform A [Homo sapiens] | 3.35 | 8 | 1 | 1 | 3 | 1.014 | 1 |  | 1.074 | 1 |  | 144.54 | 3.35 | 3 | 3 | 328 | 37.0 | 5.24 |
| 4504445 | heterogeneous nuclear ribonucleoprotein A1 isoform a [Homo sapie | 43.13 | 11 | 11 | 16 | 91 | 1.014 | 22 | 6.6 | 1.153 | 22 | 10.8 | 3255.93 | 43.13 | 41 | 91 | 320 | 34.2 | 9.23 |
| 530406071 | PREDICTED: transient receptor potential cation channel subfamily I | 0.35 | 6 | 1 | 1 | 6 | 1.014 | 2 | 10.8 | 1.060 | 2 | 7.7 | 57.48 | 0.35 | 3 | 6 | 1443 | 165.9 | 7.74 |
| 119395750 | keratin, type II cytoskeletal 1 [Homo sapiens] | 29.97 | 22 | 12 | 19 | 94 | 1.014 | 20 | 11.3 | 1.060 | 20 | 7.1 | 3366.42 | 29.97 | 54 | 94 | 644 | 66.0 | 8.12 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10835063 | nucleophosmin isoform 1 [Homo sapiens] | 36.73 | 5 | 9 | 9 | 58 | 1.014 | 21 | 6.6 | 1.183 | 21 | 15.4 | 3001.16 | 36.73 | 24 | 58 | 294 | 32.6 | 4.78 |
| 530360487 | PREDICTED: protein DJ-1 isoform X1 [Homo sapiens] | 77.78 | 1 | 14 | 14 | 153 | 1.014 | 53 | 8.4 | 1.148 | 53 | 10.0 | 7899.22 | 77.78 | 40 | 153 | 189 | 19.9 | 6.79 |
| 32313593 | olfactomedin-4 precursor [Homo sapiens] | 18.63 | 2 | 9 | 9 | 37 | 1.014 | 13 | 4.8 | 1.150 | 13 | 16.1 | 1427.38 | 18.63 | 26 | 37 | 510 | 57.2 | 5.69 |
| 4507725 | transthyretin precursor [Homo sapiens] | 77.55 | 5 | 12 | 12 | 448 | 1.014 | 156 | 10.8 | 1.200 | 154 | 23.3 | 23290.05 | 77.55 | 35 | 448 | 147 | 15.9 | 5.76 |
| 38454326 | ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1 [Homo sapiens] | 2.67 | 1 | 1 | 1 | 9 | 1.014 | 4 | 5.3 | 1.158 | 4 | 4.9 | 120.31 | 2.67 | 3 | 9 | 300 | 34.3 | 7.66 |
| 530397480 | PREDICTED: phosphatidylinositol-binding clathrin assembly protein | 10.79 | 26 | 5 | 5 | 18 | 1.014 | 6 | 6.1 | 1.108 | 6 | 17.2 | 1117.47 | 10.79 | 15 | 18 | 547 | 59.7 | 8.70 |
| 29789283 | WD repeat-containing protein 75 [Homo sapiens] | 1.08 | 1 | 1 | 1 | 1 | 1.014 | 1 |  | **2.470** | 1 |  | 40.29 | 1.08 | 1 | 1 | 830 | 94.4 | 5.96 |
| 194248072 | heat shock 70 kDa protein 1A/1B [Homo sapiens] | 63.03 | 1 | 29 | 33 | 581 | 1.014 | 184 | 7.6 | 1.172 | 179 | 15.9 | 29094.94 | 63.03 | 95 | 581 | 641 | 70.0 | 5.66 |
| 4826659 | F-actin-capping protein subunit beta isoform 1 [Homo sapiens] | 67.65 | 5 | 18 | 18 | 165 | 1.014 | 62 | 6.5 | 1.253 | 62 | 18.3 | 7312.89 | 67.65 | 51 | 165 | 272 | 30.6 | 6.00 |
| 115529463 | serine/threonine-protein kinase D1 [Homo sapiens] | 0.55 | 2 | 1 | 1 | 5 | 1.014 | 2 | 6.9 | 1.683 | 2 | 22.4 | 48.32 | 0.55 | 3 | 5 | 912 | 101.6 | 6.62 |
| 87196339 | collagen alpha-1(VI) chain precursor [Homo sapiens] | 10.51 | 2 | 8 | 8 | 34 | 1.014 | 12 | 4.7 | 1.074 | 12 | 4.6 | 1277.58 | 10.51 | 24 | 34 | 1028 | 108.5 | 5.43 |
| 578813403 | PREDICTED: glycine--tRNA ligase isoform X1 [Homo sapiens] | 3.73 | 2 | 2 | 2 | 12 | 1.014 | 4 | 3.1 | 1.063 | 4 | 10.7 | 452.12 | 3.73 | 6 | 12 | 616 | 69.9 | 6.13 |
| 530434751 | PREDICTED: LOW QUALITY PROTEIN: double homeobox protein 4 | 1.67 | 3 | 1 | 1 | 11 | 1.014 | 6 | 2.2 | 1.365 | 6 | 2.6 | 165.81 | 1.67 | 3 | 11 | 418 | 44.9 | 8.53 |
| 4885393 | hemoglobin subunit epsilon [Homo sapiens] | 18.37 | 1 | 1 | 3 | 218 | 1.013 | 5 | 7.5 | 1.070 | 5 | 5.4 | 5218.29 | 18.37 | 9 | 218 | 147 | 16.2 | 8.63 |
| 530382704 | PREDICTED: serine/threonine-protein kinase RIO1 isoform X2 [Hor | 1.51 | 2 | 1 | 1 | 1 | 1.013 | 1 |  | 1.919 | 1 |  | 21.34 | 1.51 | 1 | 1 | 464 | 53.8 | 8.91 |
| 530380520 | PREDICTED: annexin A6 isoform X2 [Homo sapiens] | 67.62 | 11 | 40 | 41 | 408 | 1.013 | 146 | 6.5 | 1.148 | 143 | 12.3 | 16615.12 | 67.62 | 120 | 408 | 667 | 75.2 | 5.67 |
| 8393638 | junctional adhesion molecule A precursor [Homo sapiens] | 4.01 | 1 | 1 | 1 | 2 | 1.013 | 2 | 6.5 |  |  |  | 45.84 | 4.01 | 1 | 2 | 299 | 32.6 | 7.90 |
| 4557701 | keratin, type I cytoskeletal 17 [Homo sapiens] | 28.01 | 15 | 4 | 12 | 54 | 1.013 | 5 | 2.8 | 1.090 | 5 | 11.0 | 1578.61 | 28.01 | 33 | 54 | 432 | 48.1 | 5.02 |
| 38788353 | ragulator complex protein LAMTOR5 [Homo sapiens] | 17.34 | 1 | 2 | 2 | 18 | 1.013 | 6 | 3.5 | 1.080 | 6 | 3.9 | 730.54 | 17.34 | 6 | 18 | 173 | 18.1 | 5.50 |
| 18491024 | dipeptidyl peptidase 3 isoform 1 [Homo sapiens] | 10.04 | 2 | 6 | 6 | 26 | 1.013 | 9 | 5.6 | 1.151 | 9 | 3.4 | 1557.13 | 10.04 | 16 | 26 | 737 | 82.5 | 5.10 |
| 40317626 | thrombospondin-1 precursor [Homo sapiens] | 2.31 | 1 | 2 | 2 | 5 | 1.013 | 2 | 4.8 | 1.121 | 2 | 10.8 | 352.66 | 2.31 | 5 | 5 | 1170 | 129.3 | 4.94 |
| 68303549 | argininosuccinate lyase isoform 3 [Homo sapiens] | 6.16 | 4 | 3 | 3 | 16 | 1.013 | 6 | 3.4 | 1.166 | 6 | 5.9 | 316.94 | 6.16 | 9 | 16 | 438 | 48.7 | 6.13 |
| 578837549 | PREDICTED: DEP domain-containing protein 5 isoform X10 [Homo | 0.34 | 8 | 1 | 1 | 20 | 1.013 | 19 | 2.9 | **2.373** | 19 | 31.9 | 142.75 | 0.34 | 1 | 20 | 1490 | 168.2 | 6.80 |
| 55749504 | syntenin-1 isoform 2 [Homo sapiens] | 2.05 | 4 | 1 | 1 | 3 | 1.013 | 1 |  | 1.302 | 1 |  | 79.02 | 2.05 | 3 | 3 | 292 | 31.7 | 7.53 |
| 47132622 | S-methyl-5'-thioadenosine phosphorylase [Homo sapiens] | 22.61 | 1 | 4 | 4 | 18 | 1.013 | 6 | 7.8 | 1.092 | 6 | 4.5 | 1003.69 | 22.61 | 12 | 18 | 283 | 31.2 | 7.18 |
| 6912388 | grancalcin [Homo sapiens] | 44.70 | 6 | 9 | 9 | 60 | 1.013 | 20 | 4.7 | 1.140 | 20 | 17.0 | 2698.54 | 44.70 | 25 | 60 | 217 | 24.0 | 5.21 |
| 578838327 | PREDICTED: nik-related protein kinase isoform X4 [Homo sapiens] | 0.33 | 4 | 1 | 1 | 2 | 1.013 | 1 |  | 1.116 | 1 |  | 33.89 | 0.33 | 2 | 2 | 1526 | 171.9 | 6.34 |
| 154146191 | heat shock protein HSP 90-alpha isoform 2 [Homo sapiens] | 50.82 | 16 | 23 | 39 | 344 | 1.013 | 68 | 9.1 | 1.143 | 66 | 14.4 | 15165.21 | 50.82 | 108 | 344 | 732 | 84.6 | 5.02 |
| 4758304 | protein disulfide-isomerase A4 precursor [Homo sapiens] | 4.50 | 2 | 3 | 3 | 11 | 1.013 | 4 | 0.8 | 1.141 | 4 | 12.3 | 496.62 | 4.50 | 9 | 11 | 645 | 72.9 | 5.07 |
| 546232005 | 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2 | 1.71 | 30 | 3 | 3 | 4 | 1.012 | 1 |  | 1.265 | 1 |  | 49.60 | 1.71 | 4 | 4 | 1170 | 132.4 | 6.29 |
| 589908406 | dipeptidyl aminopeptidase-like protein 6 isoform 5 [Homo sapiens] | 1.42 | 10 | 1 | 1 | 9 | 1.012 | 4 | 3.6 | 1.132 | 4 | 10.1 | 81.68 | 1.42 | 3 | 9 | 353 | 38.7 | 8.27 |
| 120433590 | acyl-CoA-binding protein isoform 3 [Homo sapiens] | 62.07 | 7 | 5 | 5 | 45 | 1.012 | 18 | 4.2 | 1.133 | 18 | 9.9 | 1711.91 | 62.07 | 14 | 45 | 87 | 10.0 | 6.57 |
| 530402312 | PREDICTED: high mobility group protein B1 isoform X1 [Homo sap | 52.09 | 2 | 8 | 14 | 126 | 1.012 | 31 | 5.0 | 1.132 | 30 | 8.9 | 4205.85 | 52.09 | 35 | 126 | 215 | 24.9 | 5.74 |
| 530406334 | PREDICTED: sorting nexin-1 isoform X2 [Homo sapiens] | 2.76 | 7 | 1 | 1 | 3 | 1.012 | 1 |  | 1.065 | 1 |  | 221.55 | 2.76 | 3 | 3 | 399 | 46.4 | 9.19 |
| 10800140 | histone H2B type 1-B [Homo sapiens] | 69.84 | 14 | 2 | 12 | 186 | 1.012 | 7 | 4.2 | 1.113 | 7 | 15.4 | 7508.67 | 69.84 | 34 | 186 | 126 | 13.9 | 10.32 |
| 58218968 | calmodulin [Homo sapiens] | 52.35 | 4 | 11 | 11 | 117 | 1.012 | 44 | 7.9 | 1.152 | 44 | 11.4 | 5438.50 | 52.35 | 32 | 117 | 149 | 16.8 | 4.22 |
| 7706441 | vacuolar protein sorting-associated protein 29 isoform 1 [Homo sap | 29.12 | 5 | 5 | 5 | 20 | 1.012 | 6 | 6.3 | 1.090 | 6 | 7.5 | 725.86 | 29.12 | 15 | 20 | 182 | 20.5 | 6.79 |
| 4505029 | leukotriene A-4 hydrolase isoform 1 [Homo sapiens] | 66.45 | 6 | 40 | 40 | 290 | 1.012 | 105 | 6.3 | 1.161 | 104 | 21.0 | 12846.46 | 66.45 | 114 | 290 | 611 | 69.2 | 6.18 |
| 16418467 | leucine-rich alpha-2-glycoprotein precursor [Homo sapiens] | 49.86 | 2 | 13 | 14 | 146 | 1.012 | 48 | 7.4 | 1.206 | 48 | 16.7 | 6171.03 | 49.86 | 41 | 146 | 347 | 38.2 | 6.95 |
| 15149476 | arginine--tRNA ligase, cytoplasmic [Homo sapiens] | 1.21 | 1 | 1 | 1 | 3 | 1.012 | 1 |  | 1.248 | 1 |  | 81.56 | 1.21 | 3 | 3 | 660 | 75.3 | 6.68 |
| 530384149 | PREDICTED: ribonuclease T2 isoform X1 [Homo sapiens] | 29.36 | 3 | 4 | 4 | 10 | 1.012 | 4 | 2.4 | 1.098 | 4 | 9.0 | 344.84 | 29.36 | 10 | 10 | 218 | 25.3 | 6.06 |
| 578823404 | PREDICTED: ETS domain-containing protein Elk-3 isoform X1 [Hom | 1.47 | 1 | 1 | 1 | 3 | 1.012 | 2 | 3.8 | 1.074 | 2 | 16.2 | 42.66 | 1.47 | 2 | 3 | 407 | 44.2 | 8.95 |
| 5454158 | valine--tRNA ligase [Homo sapiens] | 2.37 | 3 | 3 | 3 | 6 | 1.012 | 3 | 2.7 | 1.247 | 3 | 7.1 | 220.37 | 2.37 | 6 | 6 | 1264 | 140.4 | 7.59 |
| 34577112 | fructose-bisphosphate aldolase A isoform 1 [Homo sapiens] | 93.96 | 2 | 26 | 33 | 518 | 1.012 | 161 | 8.0 | 1.175 | 160 | 18.5 | 24323.56 | 93.96 | 98 | 518 | 364 | 39.4 | 8.09 |
| 390635651 | ras-related protein Rab-44 [Homo sapiens] | 4.41 | 1 | 2 | 2 | 6 | 1.012 | 2 | 8.2 | 1.046 | 2 | 6.2 | 447.40 | 4.41 | 6 | 6 | 1021 | 110.8 | 5.08 |
| 530416229 | PREDICTED: glucose-6-phosphate isomerase isoform X2 [Homo sa | 67.92 | 6 | 32 | 33 | 539 | 1.012 | 200 | 7.9 | 1.208 | 199 | 18.9 | 22373.17 | 67.92 | 95 | 539 | 558 | 63.1 | 8.32 |
| 16579888 | fructose-1,6-bisphosphatase 1 [Homo sapiens] | 17.16 | 3 | 4 | 4 | 19 | 1.012 | 7 | 9.3 | 1.092 | 7 | 16.3 | 994.38 | 17.16 | 12 | 19 | 338 | 36.8 | 6.99 |
| 4505185 | macrophage migration inhibitory factor [Homo sapiens] | 65.22 | 1 | 3 | 3 | 23 | 1.012 | 8 | 3.8 | 1.148 | 8 | 9.6 | 634.24 | 65.22 | 9 | 23 | 115 | 12.5 | 7.88 |
| 530420291 | PREDICTED: gamma-parvin isoform X2 [Homo sapiens] | 3.63 | 1 | 1 | 1 | 6 | 1.012 | 2 | 7.6 | 1.313 | 2 | 5.4 | 256.85 | 3.63 | 3 | 6 | 331 | 37.5 | 5.49 |
| 156139127 | uncharacterized protein C10orf88 [Homo sapiens] | 1.12 | 7 | 1 | 1 | 44 | 1.012 | 18 | 9.0 | 1.273 | 18 | 23.8 | 468.90 | 1.12 | 3 | 44 | 445 | 49.2 | 6.25 |
| 4505529 | alpha-1-acid glycoprotein 2 precursor [Homo sapiens] | 51.24 | 1 | 8 | 14 | 524 | 1.012 | 125 | 7.7 | 1.238 | 125 | 19.2 | 18538.23 | 51.24 | 42 | 524 | 201 | 23.6 | 5.11 |
| 13324688 | WD repeat-containing protein 11 [Homo sapiens] | 0.65 | 1 | 1 | 1 | 1 | 1.012 | 1 |  | 1.294 | 1 |  | 34.55 | 0.65 | 1 | 1 | 1224 | 136.6 | 6.92 |
| 530388884 | PREDICTED: zinc finger protein ZFPM2 isoform X1 [Homo sapiens] | 0.46 | 2 | 1 | 1 | 1 | 1.012 | 1 |  | 1.128 | 1 |  | 32.83 | 0.46 | 1 | 1 | 1082 | 120.7 | 6.55 |
| 530401389 | PREDICTED: 60S ribosomal protein L6 isoform X1 [Homo sapiens] | 5.08 | 2 | 1 | 1 | 3 | 1.012 | 1 |  | 1.226 | 1 |  | 65.80 | 5.08 | 3 | 3 | 177 | 20.4 | 10.52 |
| 158937236 | puromycin-sensitive aminopeptidase [Homo sapiens] | 18.39 | 8 | 13 | 13 | 52 | 1.011 | 19 | 5.1 | 1.141 | 19 | 9.4 | 2035.37 | 18.39 | 37 | 52 | 919 | 103.2 | 5.72 |
| 530418357 | PREDICTED: serine/threonine-protein kinase 4 isoform X4 [Homo s | 3.46 | 5 | 1 | 1 | 3 | 1.011 | 1 |  | 1.219 | 1 |  | 196.14 | 3.46 | 3 | 3 | 462 | 52.3 | 5.00 |
| 5031857 | L-lactate dehydrogenase A chain isoform 1 [Homo sapiens] | 78.61 | 10 | 24 | 26 | 447 | 1.011 | 141 | 7.8 | 1.219 | 140 | 16.0 | 17510.25 | 78.61 | 77 | 447 | 332 | 36.7 | 8.27 |
| 157649073 | adenylyl cyclase-associated protein 1 [Homo sapiens] | 80.42 | 3 | 32 | 32 | 470 | 1.011 | 179 | 8.6 | 1.179 | 171 | 17.7 | 19995.71 | 80.42 | 93 | 470 | 475 | 51.6 | 8.02 |
| 4758092 | di-N-acetylchitobiase precursor [Homo sapiens] | 7.53 | 1 | 2 | 2 | 4 | 1.011 | 2 | 5.2 | 1.188 | 2 | 22.0 | 259.80 | 7.53 | 4 | 4 | 385 | 43.7 | 6.64 |
| 6912516 | mitochondrial peptide methionine sulfoxide reductase isoform a pre | 34.47 | 4 | 6 | 6 | 18 | 1.011 | 7 | 12.5 | 1.059 | 7 | 8.8 | 648.01 | 34.47 | 16 | 18 | 235 | 26.1 | 8.09 |
| 530382450 | PREDICTED: dystonin isoform X17 [Homo sapiens] | 0.50 | 1 | 1 | 2 | 6 | 1.011 | 1 |  | 1.259 | 1 |  | 68.11 | 0.50 | 4 | 6 | 3186 | 368.9 | 6.76 |
| 148596949 | nucleolar and coiled-body phosphoprotein 1 isoform 2 [Homo sapie | 0.72 | 4 | 1 | 1 | 6 | 1.011 | 2 | 3.9 | 1.099 | 2 | 1.5 | 73.62 | 0.72 | 3 | 6 | 699 | 73.6 | 9.47 |
| 530361117 | PREDICTED: heterochromatin protein 1-binding protein 3 isoform X | 15.34 | 3 | 9 | 9 | 33 | 1.011 | 14 | 8.3 | 1.152 | 14 | 7.4 | 1249.70 | 15.34 | 22 | 33 | 515 | 57.2 | 9.76 |
| 66392203 | NME1-NME2 protein [Homo sapiens] | 71.54 | 7 | 6 | 15 | 151 | 1.011 | 15 | 6.1 | 1.085 | 15 | 11.5 | 5242.34 | 71.54 | 41 | 151 | 267 | 30.1 | 8.92 |
| 4502149 | apolipoprotein A-II preproprotein [Homo sapiens] | 74.00 | 6 | 12 | 12 | 248 | 1.011 | 91 | 9.6 | 1.187 | 89 | 22.6 | 9030.19 | 74.00 | 34 | 248 | 100 | 11.2 | 6.62 |
| 578833114 | PREDICTED: microtubule-associated serine/threonine-protein kinas | 0.53 | 4 | 1 | 1 | 1 | 1.011 | 1 |  | 1.662 | 1 |  | 20.18 | 0.53 | 1 | 1 | 1314 | 143.4 | 8.06 |
| 578800587 | PREDICTED: roquin-1 isoform X5 [Homo sapiens] | 0.73 | 4 | 1 | 1 | 1 | 1.011 | 1 |  | 1.361 | 1 |  | 30.72 | 0.73 | 1 | 1 | 1101 | 122.6 | 7.96 |
| 194688149 | serine/threonine-protein phosphatase 2B catalytic subunit alpha isc | 12.15 | 10 | 4 | 4 | 11 | 1.011 | 4 | 8.7 | 1.223 | 4 | 19.3 | 448.00 | 12.15 | 11 | 11 | 469 | 52.6 | 6.23 |
| 63055049 | phosphoglucomutase-2 [Homo sapiens] | 36.60 | 2 | 19 | 19 | 87 | 1.011 | 34 | 4.8 | 1.137 | 34 | 19.3 | 3253.90 | 36.60 | 50 | 87 | 612 | 68.2 | 6.73 |
| 116063573 | filamin-A isoform 1 [Homo sapiens] | 50.21 | 2 | 89 | 98 | 743 | 1.011 | 252 | 7.4 | 1.140 | 249 | 13.7 | 34895.58 | 50.21 | 281 | 743 | 2639 | 279.8 | 6.05 |
| 530410969 | PREDICTED: fructose-bisphosphate aldolase C isoform X3 [Homo s | 46.98 | 3 | 9 | 16 | 125 | 1.010 | 15 | 10.1 | 1.197 | 15 | 17.0 | 6062.34 | 46.98 | 48 | 125 | 364 | 39.4 | 6.87 |
| 578809111 | PREDICTED: plasma kallikrein isoform X2 [Homo sapiens] | 24.00 | 3 | 14 | 14 | 51 | 1.010 | 19 | 6.0 | 1.219 | 19 | 15.0 | 1653.74 | 24.00 | 39 | 51 | 600 | 67.1 | 8.25 |
| 530400215 | PREDICTED: ADP-ribosylation factor 3 isoform X1 [Homo sapiens] | 54.70 | 3 | 4 | 8 | 49 | 1.010 | 10 | 8.0 | 1.258 | 10 | 31.1 | 2228.81 | 54.70 | 23 | 49 | 181 | 20.6 | 7.43 |
| 9910460 | omega-amidase NIT2 [Homo sapiens] | 21.74 | 1 | 5 | 5 | 18 | 1.010 | 6 | 4.3 | 1.151 | 6 | 2.2 | 697.55 | 21.74 | 15 | 18 | 276 | 30.6 | 7.21 |
| 21071008 | transcobalamin-1 precursor [Homo sapiens] | 18.48 | 1 | 5 | 5 | 17 | 1.010 | 6 | 10.0 | 1.538 | 6 | 25.6 | 762.60 | 18.48 | 15 | 17 | 433 | 48.2 | 5.03 |
| 21361144 | 26S protease regulatory subunit 6A [Homo sapiens] | 20.27 | 1 | 5 | 5 | 14 | 1.010 | 5 | 7.6 | 1.083 | 5 | 25.4 | 572.31 | 20.27 | 14 | 14 | 439 | 49.2 | 5.24 |
| 513126877 | carboxypeptidase B2 isoform 2 preproprotein [Homo sapiens] | 5.70 | 5 | 2 | 2 | 9 | 1.010 | 3 | 1.5 | 1.163 | 3 | 2.7 | 268.25 | 5.70 | 6 | 9 | 386 | 44.0 | 7.71 |
| 170763500 | protein SET isoform 1 [Homo sapiens] | 35.17 | 5 | 6 | 6 | 27 | 1.010 | 9 | 3.4 | 1.250 | 9 | 12.4 | 1293.67 | 35.17 | 15 | 27 | 290 | 33.5 | 4.32 |
| 262050538 | inter-alpha-trypsin inhibitor heavy chain H4 isoform 2 precursor [H | 59.33 | 50 | 41 | 42 | 443 | 1.010 | 163 | 6.8 | 1.181 | 157 | 19.7 | 19386.47 | 59.33 | 119 | 443 | 900 | 99.8 | 6.47 |
| 31543397 | phosphoglycerate kinase 2 [Homo sapiens] | 18.71 | 1 | 1 | 7 | 148 | 1.010 | 1 |  | 1.094 | 1 |  | 5073.55 | 18.71 | 19 | 148 | 417 | 44.8 | 8.54 |
| 156119625 | inter-alpha-trypsin inhibitor heavy chain H1 isoform a precursor [H | 31.61 | 75 | 18 | 19 | 197 | 1.010 | 68 | 5.8 | 1.170 | 67 | 19.5 | 10570.63 | 31.61 | 56 | 197 | 911 | 101.3 | 6.79 |
| 109148508 | ubiquitin thioesterase OTUB1 [Homo sapiens] | 16.97 | 1 | 4 | 4 | 20 | 1.010 | 7 | 4.3 | 1.255 | 7 | 7.5 | 903.24 | 16.97 | 11 | 20 | 271 | 31.3 | 4.94 |
| 355477275 | U6 snRNA-associated Sm-like protein LSm4 isoform 2 [Homo sapie | 5.60 | 2 | 1 | 1 | 1 | 1.010 | 1 |  | 0.912 | 1 |  | 24.37 | 5.60 | 1 | 1 | 125 | 13.8 | 9.94 |
| 5729991 | 26S protease regulatory subunit 6B isoform 1 [Homo sapiens] | 13.64 | 2 | 4 | 4 | 23 | 1.010 | 9 | 7.1 | 1.098 | 9 | 7.4 | 736.07 | 13.64 | 12 | 23 | 418 | 47.3 | 5.21 |
| 24431975 | uncharacterized protein C10orf12 [Homo sapiens] | 0.40 | 1 | 1 | 1 | 6 | 1.010 | 3 | 6.1 | **2.707** | 3 | 5.1 | 89.78 | 0.40 | 2 | 6 | 1247 | 137.1 | 8.24 |
| 5031593 | actin-related protein 2/3 complex subunit 5 isoform 1 [Homo sapie | 78.15 | 2 | 8 | 10 | 115 | 1.010 | 37 | 5.5 | 1.102 | 37 | 20.7 | 5550.78 | 78.15 | 27 | 115 | 151 | 16.3 | 5.67 |
| 544711070 | T-complex protein 1 subunit theta isoform 3 [Homo sapiens] | 26.16 | 4 | 11 | 11 | 47 | 1.010 | 17 | 3.7 | 1.233 | 17 | 10.0 | 2327.85 | 26.16 | 31 | 47 | 497 | 54.1 | 5.31 |
| 296040505 | glycogenin-1 isoform 2 [Homo sapiens] | 21.02 | 3 | 7 | 7 | 36 | 1.010 | 14 | 3.3 | 1.145 | 14 | 8.0 | 1409.20 | 21.02 | 18 | 36 | 333 | 37.5 | 5.40 |
| 578818421 | PREDICTED: amyloid beta A4 precursor protein-binding family B m | 7.81 | 1 | 5 | 5 | 15 | 1.010 | 5 | 6.2 | 1.354 | 5 | 10.5 | 441.79 | 7.81 | 15 | 15 | 666 | 73.1 | 5.59 |
| 578822169 | PREDICTED: heat shock cognate 71 kDa protein isoform X1 [Homo | 51.70 | 9 | 20 | 31 | 398 | 1.010 | 91 | 8.2 | 1.136 | 91 | 15.2 | 18045.08 | 51.70 | 87 | 398 | 646 | 70.9 | 5.52 |
| 530370916 | PREDICTED: tubulin alpha-4A chain isoform X1 [Homo sapiens] | 45.50 | 5 | 5 | 15 | 145 | 1.010 | 12 | 3.8 | 1.073 | 12 | 25.7 | 5961.39 | 45.50 | 43 | 145 | 433 | 48.3 | 5.01 |
| 156616273 | pleckstrin [Homo sapiens] | 33.14 | 5 | 9 | 9 | 39 | 1.009 | 14 | 8.8 | 1.163 | 13 | 6.2 | 1597.46 | 33.14 | 23 | 39 | 350 | 40.1 | 8.28 |
| 4507669 | translationally-controlled tumor protein isoform 2 [Homo sapiens] | 22.67 | 6 | 5 | 5 | 22 | 1.009 | 9 | 5.2 | 1.226 | 9 | 7.8 | 708.24 | 22.67 | 12 | 22 | 172 | 19.6 | 4.93 |
| 289063417 | AMP deaminase 3 isoform 4 [Homo sapiens] | 19.90 | 4 | 11 | 11 | 39 | 1.009 | 14 | 3.9 | 1.145 | 14 | 17.6 | 1453.60 | 19.90 | 31 | 39 | 608 | 71.2 | 6.99 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55743122 | retinol-binding protein 4 precursor [Homo sapiens] | 72.64 | 35 | 10 | 10 | 140 | 1.009 | 55 | 9.2 | 1.141 | 55 | 16.0 | 5608.45 | 72.64 | 30 | 140 | 201 | 23.0 | 6.07 |
| 530402335 | PREDICTED: plastin-2 isoform X2 [Homo sapiens] | 87.40 | 15 | 50 | 50 | 867 | 1.009 | 301 | 8.0 | 1.204 | 300 | 15.3 | 38935.55 | 87.40 | 147 | 867 | 627 | 70.2 | 5.43 |
| 156071465 | rho GTPase-activating protein 4 isoform 2 [Homo sapiens] | 12.26 | 2 | 7 | 7 | 20 | 1.009 | 7 | 7.3 | 1.161 | 7 | 8.1 | 1122.18 | 12.26 | 20 | 20 | 946 | 105.0 | 6.34 |
| 94536842 | ribose-5-phosphate isomerase [Homo sapiens] | 17.36 | 1 | 4 | 4 | 12 | 1.009 | 5 | 0.9 | 1.079 | 5 | 13.9 | 546.15 | 17.36 | 11 | 12 | 311 | 33.2 | 8.54 |
| 6466450 | catechol O-methyltransferase isoform S-COMT [Homo sapiens] | 6.79 | 2 | 1 | 1 | 3 | 1.009 | 1 |  | 1.118 | 1 |  | 180.08 | 6.79 | 3 | 3 | 221 | 24.4 | 5.33 |
| 4503011 | carboxypeptidase N catalytic chain precursor [Homo sapiens] | 14.41 | 1 | 4 | 4 | 23 | 1.009 | 8 | 6.9 | 1.268 | 8 | 16.8 | 930.09 | 14.41 | 12 | 23 | 458 | 52.3 | 7.34 |
| 4502565 | calpain small subunit 1 [Homo sapiens] | 37.31 | 3 | 5 | 8 | 60 | 1.009 | 16 | 6.2 | 1.207 | 16 | 18.8 | 2767.69 | 37.31 | 24 | 60 | 268 | 28.3 | 5.20 |
| 169636415 | complement component C6 precursor [Homo sapiens] | 32.12 | 5 | 23 | 23 | 102 | 1.009 | 36 | 9.4 | 1.225 | 36 | 23.9 | 4429.34 | 32.12 | 67 | 102 | 934 | 104.7 | 6.76 |
| 578821763 | PREDICTED: calpain-1 catalytic subunit isoform X1 [Homo sapiens] | 24.93 | 1 | 15 | 15 | 64 | 1.009 | 23 | 7.2 | 1.214 | 22 | 16.0 | 2348.23 | 24.93 | 45 | 64 | 714 | 81.8 | 5.67 |
| 23238211 | actin-related protein 2/3 complex subunit 2 [Homo sapiens] | 73.00 | 2 | 21 | 21 | 248 | 1.009 | 90 | 7.9 | 1.162 | 90 | 14.9 | 9851.15 | 73.00 | 59 | 248 | 300 | 34.3 | 7.36 |
| 4507521 | transketolase isoform 1 [Homo sapiens] | 69.50 | 14 | 39 | 40 | 654 | 1.009 | 234 | 8.7 | 1.173 | 232 | 14.7 | 36764.91 | 69.50 | 115 | 654 | 623 | 67.8 | 7.66 |
| 57863257 | T-complex protein 1 subunit alpha isoform a [Homo sapiens] | 32.37 | 2 | 14 | 14 | 51 | 1.009 | 18 | 4.7 | 1.079 | 17 | 6.9 | 2069.42 | 32.37 | 39 | 51 | 556 | 60.3 | 6.11 |
| 27544941 | unconventional myosin-If [Homo sapiens] | 25.87 | 5 | 19 | 19 | 101 | 1.009 | 36 | 6.5 | 1.228 | 36 | 20.7 | 4898.04 | 25.87 | 55 | 101 | 1098 | 124.8 | 9.11 |
| 207029439 | histone-binding protein RBBP4 isoform c [Homo sapiens] | 3.85 | 5 | 2 | 2 | 2 | 1.009 | 1 |  | 0.825 | 1 |  | 39.96 | 3.85 | 2 | 2 | 390 | 43.5 | 4.96 |
| 347582619 | charged multivesicular body protein 2b isoform 2 [Homo sapiens] | 5.81 | 2 | 1 | 1 | 3 | 1.009 | 1 |  | 1.149 | 1 |  | 133.27 | 5.81 | 3 | 3 | 172 | 19.1 | 6.24 |
| 537361067 | armadillo repeat-containing protein 8 isoform 5 [Homo sapiens] | 1.17 | 7 | 1 | 1 | 1 | 1.009 | 1 |  | 1.291 | 1 |  | 19.79 | 1.17 | 1 | 1 | 600 | 67.1 | 6.73 |
| 20070130 | transcription factor BTF3 isoform B [Homo sapiens] | 3.70 | 2 | 1 | 1 | 3 | 1.009 | 1 |  | **4.462** | 1 |  | 93.58 | 3.70 | 3 | 3 | 162 | 17.7 | 7.50 |
| 154759259 | spectrin alpha chain, non-erythrocytic 1 isoform 2 [Homo sapiens] | 26.90 | 20 | 52 | 53 | 185 | 1.009 | 66 | 6.7 | 1.139 | 66 | 13.4 | 8511.06 | 26.90 | 147 | 185 | 2472 | 284.4 | 5.35 |
| 530394656 | PREDICTED: STE20-like serine/threonine-protein kinase isoform X1 | 7.23 | 2 | 6 | 7 | 16 | 1.009 | 5 | 9.1 | 1.061 | 5 | 22.7 | 663.89 | 7.23 | 16 | 16 | 1204 | 138.9 | 5.10 |
| 6912238 | peroxiredoxin-5, mitochondrial isoform a precursor [Homo sapiens] | 45.79 | 4 | 10 | 10 | 135 | 1.008 | 50 | 9.2 | 1.154 | 50 | 13.7 | 5775.84 | 45.79 | 29 | 135 | 214 | 22.0 | 8.57 |
| 530378030 | PREDICTED: folliculin-interacting protein 2 isoform X6 [Homo sapie | 0.58 | 6 | 1 | 1 | 1 | 1.008 | 1 |  | 2.031 | 1 |  | 19.45 | 0.58 | 1 | 1 | 1040 | 113.7 | 6.61 |
| 4502511 | complement component C9 precursor [Homo sapiens] | 44.19 | 14 | 21 | 21 | 207 | 1.008 | 77 | 9.4 | 1.244 | 75 | 21.5 | 7958.91 | 44.19 | 57 | 207 | 559 | 63.1 | 5.59 |
| 4503571 | alpha-enolase isoform 1 [Homo sapiens] | 78.34 | 14 | 25 | 30 | 1155 | 1.008 | 357 | 7.1 | 1.181 | 354 | 14.8 | 57282.38 | 78.34 | 87 | 1155 | 434 | 47.1 | 7.39 |
| 530405429 | PREDICTED: pro-cathepsin H isoform X2 [Homo sapiens] | 3.70 | 2 | 1 | 1 | 3 | 1.008 | 1 |  | 1.122 | 1 |  | 114.83 | 3.70 | 3 | 3 | 297 | 33.2 | 8.19 |
| 56682959 | ferritin heavy chain [Homo sapiens] | 73.22 | 1 | 9 | 9 | 71 | 1.008 | 27 | 9.3 | 1.044 | 27 | 9.6 | 3360.94 | 73.22 | 26 | 71 | 183 | 21.2 | 5.55 |
| 4885375 | histone H1.2 [Homo sapiens] | 56.81 | 33 | 6 | 19 | 336 | 1.008 | 14 | 3.6 | 1.061 | 14 | 6.8 | 14857.95 | 56.81 | 52 | 336 | 213 | 21.4 | 10.93 |
| 47132589 | serine/threonine-protein kinase N1 isoform 2 [Homo sapiens] | 1.59 | 40 | 1 | 2 | 5 | 1.008 | 1 |  | 1.284 | 1 |  | 80.61 | 1.59 | 5 | 5 | 942 | 103.9 | 6.37 |
| 91208426 | pre-mRNA-processing-splicing factor 8 [Homo sapiens] | 1.67 | 1 | 3 | 3 | 7 | 1.008 | 3 | 3.2 | 1.191 | 3 | 3.8 | 395.69 | 1.67 | 7 | 7 | 2335 | 273.4 | 8.84 |
| 122939159 | protein-arginine deiminase type-2 [Homo sapiens] | 22.41 | 1 | 10 | 11 | 41 | 1.008 | 11 | 5.2 | 1.184 | 11 | 18.2 | 1764.60 | 22.41 | 30 | 41 | 665 | 75.5 | 5.59 |
| 255958306 | perilipin-3 isoform 3 [Homo sapiens] | 34.12 | 3 | 8 | 8 | 25 | 1.008 | 9 | 5.2 | 1.156 | 9 | 28.8 | 1380.94 | 34.12 | 21 | 25 | 422 | 45.8 | 5.43 |
| 530410617 | PREDICTED: 14-3-3 protein epsilon isoform X1 [Homo sapiens] | 59.17 | 2 | 15 | 18 | 178 | 1.008 | 37 | 7.5 | 1.152 | 37 | 7.5 | 6883.28 | 59.17 | 53 | 178 | 240 | 27.4 | 4.89 |
| 110611226 | protein unc-13 homolog B [Homo sapiens] | 0.31 | 2 | 1 | 1 | 3 | 1.008 | 1 |  | **2.274** | 1 |  | 41.63 | 0.31 | 3 | 3 | 1591 | 180.6 | 5.99 |
| 23943880 | methylthioribose-1-phosphate isomerase isoform 2 [Homo sapiens] | 2.48 | 2 | 1 | 1 | 4 | 1.008 | 4 | 3.9 | **2.344** | 4 | 27.6 | 46.35 | 2.48 | 1 | 4 | 322 | 34.5 | 5.69 |
| 315075331 | SAA2-SAA2 protein precursor [Homo sapiens] | 40.38 | 3 | 5 | 9 | 101 | 1.008 | 24 | 5.0 | 1.180 | 24 | 26.5 | 3886.73 | 40.38 | 25 | 101 | 208 | 23.3 | 8.98 |
| 530398067 | PREDICTED: apolipoprotein A-I isoform X1 [Homo sapiens] | 86.14 | 61 | 32 | 35 | 1250 | 1.008 | 460 | 8.2 | 1.247 | 454 | 20.5 | 45665.02 | 86.14 | 104 | 1250 | 267 | 30.8 | 5.76 |
| 578813931 | PREDICTED: protein CASP isoform X8 [Homo sapiens] | 0.47 | 6 | 1 | 1 | 5 | 1.008 | 2 | 0.3 | 1.473 | 2 | 24.0 | 95.94 | 0.47 | 3 | 5 | 1494 | 163.1 | 5.81 |
| 530362835 | PREDICTED: suppressor of tumorigenicity 7 protein-like isoform X3 | 1.77 | 5 | 1 | 1 | 1 | 1.008 | 1 |  | 1.273 | 1 |  | 29.89 | 1.77 | 1 | 1 | 453 | 51.7 | 7.15 |
| 578821106 | PREDICTED: EH domain-containing protein 1 isoform X1 [Homo sa | 35.58 | 4 | 14 | 14 | 51 | 1.008 | 20 | 6.3 | 1.207 | 18 | 25.4 | 2223.25 | 35.58 | 39 | 51 | 534 | 60.6 | 6.83 |
| 4503303 | neutrophil defensin 4 preproprotein [Homo sapiens] | 5.15 | 1 | 1 | 1 | 1 | 1.008 | 1 |  | 1.199 | 1 |  | 20.15 | 5.15 | 1 | 1 | 97 | 10.5 | 8.02 |
| 9951915 | adenosylhomocysteinase isoform 1 [Homo sapiens] | 38.89 | 9 | 16 | 16 | 66 | 1.008 | 22 | 5.5 | 1.133 | 22 | 4.8 | 2920.80 | 38.89 | 44 | 66 | 432 | 47.7 | 6.34 |
| 22035620 | apoptosis-associated speck-like protein containing a CARD isoform | 61.36 | 3 | 9 | 9 | 58 | 1.008 | 20 | 5.5 | 1.157 | 19 | 25.5 | 2357.18 | 61.36 | 26 | 58 | 176 | 20.0 | 5.95 |
| 543583725 | prostaglandin E synthase 3 isoform f [Homo sapiens] | 18.35 | 8 | 2 | 2 | 7 | 1.007 | 3 | 6.9 | 1.287 | 3 | 21.6 | 433.31 | 18.35 | 5 | 7 | 109 | 12.7 | 5.59 |
| 5031749 | non-histone chromosomal protein HMG-17 [Homo sapiens] | 42.22 | 1 | 4 | 4 | 23 | 1.007 | 11 | 6.9 | 1.130 | 11 | 11.5 | 982.83 | 42.22 | 9 | 23 | 90 | 9.4 | 9.99 |
| 578803217 | PREDICTED: protein dpy-30 homolog isoform X5 [Homo sapiens] | 20.20 | 2 | 1 | 1 | 3 | 1.007 | 1 |  | 1.193 | 1 |  | 204.21 | 20.20 | 3 | 3 | 99 | 11.2 | 4.88 |
| 571026657 | BRISC and BRCA1-A complex member 1 isoform 2 [Homo sapiens] | 13.39 | 2 | 2 | 2 | 6 | 1.007 | 2 | 3.5 | 0.978 | 2 | 24.2 | 471.18 | 13.39 | 6 | 6 | 254 | 28.1 | 4.54 |
| 528078313 | neutrophil cytosol factor 1 [Homo sapiens] | 59.74 | 3 | 21 | 21 | 190 | 1.007 | 71 | 6.8 | 1.185 | 71 | 21.6 | 8791.64 | 59.74 | 58 | 190 | 390 | 44.7 | 9.13 |
| 223029410 | talin-1 [Homo sapiens] | 46.32 | 10 | 78 | 78 | 418 | 1.007 | 154 | 7.1 | 1.166 | 150 | 17.0 | 21142.13 | 46.32 | 224 | 418 | 2541 | 269.6 | 6.07 |
| 532164704 | cleft lip and palate transmembrane protein 1 isoform 3 [Homo sapi | 1.37 | 1 | 1 | 1 | 1 | 1.007 | 1 |  | 0.963 | 1 |  | 30.29 | 1.37 | 1 | 1 | 655 | 75.1 | 6.64 |
| 530421543 | PREDICTED: ubiquitin-like modifier-activating enzyme 1 isoform X3 | 40.83 | 3 | 31 | 32 | 191 | 1.007 | 68 | 7.0 | 1.141 | 68 | 12.6 | 9720.01 | 40.83 | 88 | 191 | 1058 | 117.8 | 5.76 |
| 115298678 | complement C3 precursor [Homo sapiens] | 87.61 | 1 | 149 | 151 | 4844 | 1.007 | 1739 | 8.2 | 1.264 | 1679 | 24.6 | 230448.65 | 87.61 | 433 | 4844 | 1663 | 187.0 | 6.40 |
| 530398338 | PREDICTED: alpha-tectorin isoform X1 [Homo sapiens] | 0.47 | 2 | 1 | 1 | 7 | 1.007 | 3 | 8.8 | 1.170 | 3 | 10.2 | 94.16 | 0.47 | 3 | 7 | 2150 | 238.8 | 5.39 |
| 4506669 | 60S acidic ribosomal protein P1 isoform 1 [Homo sapiens] | 14.04 | 1 | 1 | 1 | 3 | 1.007 | 1 |  | 1.187 | 1 |  | 165.18 | 14.04 | 3 | 3 | 114 | 11.5 | 4.32 |
| 38455402 | neutrophil gelatinase-associated lipocalin precursor [Homo sapiens | 71.21 | 1 | 16 | 16 | 443 | 1.007 | 159 | 8.8 | 1.188 | 155 | 18.9 | 16980.65 | 71.21 | 48 | 443 | 198 | 22.6 | 8.91 |
| 77404397 | staphylococcal nuclease domain-containing protein 1 [Homo sapier | 10.66 | 1 | 7 | 7 | 20 | 1.007 | 7 | 5.7 | 1.139 | 7 | 6.1 | 792.44 | 10.66 | 20 | 20 | 910 | 101.9 | 7.17 |
| 5174447 | guanine nucleotide-binding protein subunit beta-2-like 1 [Homo sa | 16.40 | 1 | 6 | 6 | 21 | 1.007 | 8 | 6.8 | 1.099 | 8 | 9.5 | 506.72 | 16.40 | 16 | 21 | 317 | 35.1 | 7.69 |
| 73858566 | heparin cofactor 2 precursor [Homo sapiens] | 48.10 | 2 | 21 | 21 | 173 | 1.007 | 61 | 4.4 | 1.238 | 60 | 20.7 | 5991.11 | 48.10 | 55 | 173 | 499 | 57.0 | 6.90 |
| 302318952 | PML-RARA-regulated adapter molecule 1 [Homo sapiens] | 22.99 | 2 | 10 | 10 | 37 | 1.007 | 15 | 5.4 | 1.070 | 15 | 13.7 | 1180.35 | 22.99 | 26 | 37 | 670 | 73.9 | 9.67 |
| 4506787 | ras GTPase-activating-like protein IQGAP1 [Homo sapiens] | 51.30 | 3 | 59 | 62 | 309 | 1.007 | 106 | 7.7 | 1.186 | 104 | 17.0 | 14210.01 | 51.30 | 175 | 309 | 1657 | 189.1 | 6.48 |
| 530369093 | PREDICTED: TFIIH basal transcription factor complex helicase XPB | 1.67 | 2 | 1 | 1 | 4 | 1.007 | 2 | 12.8 | 1.835 | 2 | 195.1 | 47.34 | 1.67 | 1 | 4 | 718 | 81.9 | 7.87 |
| 530385095 | PREDICTED: src kinase-associated phosphoprotein 2 isoform X1 [H | 17.83 | 1 | 6 | 6 | 27 | 1.007 | 11 | 5.2 | 1.279 | 11 | 29.0 | 764.60 | 17.83 | 16 | 27 | 359 | 41.2 | 4.69 |
| 530382085 | PREDICTED: ribosyldihydronicotinamide dehydrogenase [quinone] | 46.32 | 2 | 8 | 8 | 35 | 1.007 | 13 | 7.7 | 1.060 | 13 | 14.1 | 1537.29 | 46.32 | 22 | 35 | 231 | 25.9 | 6.29 |
| 530398960 | PREDICTED: dynamin-1-like protein isoform X2 [Homo sapiens] | 4.26 | 8 | 2 | 2 | 4 | 1.007 | 2 | 4.6 | 1.301 | 2 | 9.8 | 306.61 | 4.26 | 4 | 4 | 587 | 65.3 | 7.49 |
| 19923106 | serum paraoxonase/arylesterase 1 precursor [Homo sapiens] | 44.23 | 6 | 10 | 10 | 79 | 1.006 | 27 | 6.7 | 1.304 | 26 | 20.3 | 3558.35 | 44.23 | 29 | 79 | 355 | 39.7 | 5.22 |
| 459642365 | dynein heavy chain 11, axonemal [Homo sapiens] | 0.22 | 42 | 1 | 2 | 22 | 1.006 | 2 | 9.2 | 1.418 | 2 | 22.0 | 186.73 | 0.22 | 6 | 22 | 4516 | 520.0 | 6.44 |
| 21614499 | ezrin [Homo sapiens] | 39.42 | 31 | 14 | 27 | 226 | 1.006 | 30 | 6.1 | 1.105 | 30 | 13.8 | 6927.74 | 39.42 | 79 | 226 | 586 | 69.4 | 6.27 |
| 327315343 | sortilin isoform 2 [Homo sapiens] | 1.73 | 4 | 1 | 2 | 7 | 1.006 | 2 | 0.6 | 1.158 | 2 | 5.5 | 93.00 | 1.73 | 5 | 7 | 694 | 77.3 | 5.39 |
| 514239920 | complement component C8 beta chain isoform 3 [Homo sapiens] | 31.57 | 5 | 14 | 14 | 81 | 1.006 | 28 | 7.6 | 1.212 | 26 | 9.4 | 3185.37 | 31.57 | 42 | 81 | 529 | 60.1 | 7.77 |
| 5729804 | diphosphoinositol polyphosphate phosphohydrolase 1 [Homo sapie | 18.02 | 2 | 2 | 2 | 9 | 1.006 | 3 | 0.2 | 1.325 | 3 | 5.4 | 485.83 | 18.02 | 6 | 9 | 172 | 19.5 | 6.34 |
| 38327039 | heat shock 70 kDa protein 4 [Homo sapiens] | 23.45 | 1 | 15 | 15 | 46 | 1.006 | 17 | 3.1 | 1.175 | 17 | 18.5 | 2082.74 | 23.45 | 41 | 46 | 840 | 94.3 | 5.19 |
| 530417131 | PREDICTED: vasodilator-stimulated phosphoprotein isoform X1 [Hc | 41.69 | 3 | 15 | 15 | 94 | 1.006 | 34 | 6.7 | 1.138 | 33 | 11.1 | 4475.96 | 41.69 | 41 | 94 | 379 | 39.7 | 8.94 |
| 469608407 | transgelin-2 isoform b [Homo sapiens] | 74.37 | 2 | 13 | 13 | 83 | 1.006 | 29 | 8.2 | 1.149 | 28 | 12.3 | 4153.81 | 74.37 | 38 | 83 | 199 | 22.4 | 8.25 |
| 578809106 | PREDICTED: immunoglobulin J chain isoform X1 [Homo sapiens] | 37.11 | 1 | 5 | 5 | 56 | 1.006 | 21 | 5.7 | 1.308 | 21 | 21.1 | 2077.48 | 37.11 | 14 | 56 | 159 | 18.1 | 5.24 |
| 530386606 | PREDICTED: tyrosine-protein kinase BAZ1B isoform X1 [Homo sapi | 0.85 | 2 | 1 | 1 | 1 | 1.006 | 1 |  | 1.210 | 1 |  | 32.47 | 0.85 | 1 | 1 | 1053 | 121.5 | 9.09 |
| 5031985 | nuclear transport factor 2 [Homo sapiens] | 29.92 | 3 | 3 | 3 | 11 | 1.006 | 4 | 4.5 | 1.104 | 4 | 6.3 | 585.21 | 29.92 | 9 | 11 | 127 | 14.5 | 5.38 |
| 618857456 | zinc finger protein 280A [Homo sapiens] | 1.29 | 1 | 1 | 1 | 4 | 1.006 | 4 | 11.2 | 1.077 | 4 | 8.1 | 50.76 | 1.29 | 1 | 4 | 542 | 60.5 | 8.59 |
| 12025678 | alpha-actinin-4 [Homo sapiens] | 67.40 | 5 | 31 | 52 | 488 | 1.006 | 85 | 7.3 | 1.172 | 84 | 15.1 | 22431.50 | 67.40 | 148 | 488 | 911 | 104.8 | 5.44 |
| 301129290 | serine/threonine-protein phosphatase 2A activator isoform e [Hom | 18.06 | 5 | 3 | 3 | 12 | 1.006 | 4 | 2.2 | 1.282 | 4 | 25.7 | 551.06 | 18.06 | 9 | 12 | 288 | 32.9 | 6.93 |
| 73760401 | thymopoietin isoform gamma [Homo sapiens] | 19.42 | 5 | 5 | 5 | 25 | 1.006 | 9 | 4.6 | 1.184 | 9 | 16.8 | 1255.89 | 19.42 | 15 | 25 | 345 | 38.7 | 9.16 |
| 4507775 | ubiquitin-conjugating enzyme E2 D2 isoform 1 [Homo sapiens] | 12.24 | 7 | 2 | 2 | 7 | 1.006 | 3 | 5.2 | 0.962 | 3 | 10.5 | 209.15 | 12.24 | 5 | 7 | 147 | 16.7 | 7.83 |
| 578824272 | PREDICTED: histone-lysine N-methyltransferase 2D isoform X4 [Hc | 0.25 | 12 | 1 | 2 | 7 | 1.006 | 1 |  | 1.045 | 1 |  | 69.87 | 0.25 | 5 | 7 | 5536 | 592.9 | 5.58 |
| 21361657 | protein disulfide-isomerase A3 precursor [Homo sapiens] | 52.67 | 1 | 22 | 23 | 116 | 1.006 | 40 | 5.3 | 1.113 | 40 | 11.0 | 4750.08 | 52.67 | 66 | 116 | 505 | 56.7 | 6.35 |
| 34147513 | ras-related protein Rab-7a [Homo sapiens] | 57.00 | 1 | 11 | 11 | 100 | 1.006 | 34 | 5.6 | 1.139 | 34 | 9.7 | 4524.31 | 57.00 | 33 | 100 | 207 | 23.5 | 6.70 |
| 530370210 | PREDICTED: mannose-1-phosphate guanyltransferase alpha isofor | 9.05 | 3 | 3 | 3 | 9 | 1.006 | 3 | 1.5 | 1.054 | 3 | 10.2 | 341.05 | 9.05 | 9 | 9 | 420 | 46.3 | 7.21 |
| 47519798 | neutrophil cytosol factor 4 isoform 1 [Homo sapiens] | 59.00 | 4 | 16 | 17 | 90 | 1.006 | 32 | 5.5 | 1.223 | 31 | 17.6 | 3168.25 | 59.00 | 45 | 90 | 339 | 39.0 | 6.83 |
| 21071030 | alpha-1B-glycoprotein precursor [Homo sapiens] | 51.72 | 1 | 16 | 17 | 388 | 1.006 | 146 | 6.2 | 1.223 | 144 | 20.4 | 15529.88 | 51.72 | 48 | 388 | 495 | 54.2 | 5.86 |
| 578819756 | PREDICTED: xaa-Pro aminopeptidase 1 isoform X4 [Homo sapiens] | 2.90 | 6 | 1 | 1 | 2 | 1.006 | 1 |  | 1.118 | 1 |  | 62.46 | 2.90 | 2 | 2 | 552 | 62.1 | 5.73 |
| 157653329 | procollagen C-endopeptidase enhancer 1 precursor [Homo sapiens | 4.68 | 1 | 2 | 2 | 6 | 1.006 | 2 | 11.2 | 1.124 | 2 | 0.4 | 275.48 | 4.68 | 6 | 6 | 449 | 47.9 | 7.43 |
| 189163532 | alpha-1-antitrypsin precursor [Homo sapiens] | 72.73 | 2 | 41 | 42 | 2801 | 1.006 | 1053 | 8.8 | 1.166 | 1049 | 18.5 | 129640.07 | 72.73 | 122 | 2801 | 418 | 46.7 | 5.59 |
| 33457316 | pleckstrin homology domain-containing family O member 2 isoform | 7.55 | 2 | 3 | 3 | 8 | 1.006 | 3 | 1.4 | 1.267 | 3 | 3.1 | 398.65 | 7.55 | 8 | 8 | 490 | 53.3 | 5.43 |
| 167857790 | alpha-1-acid glycoprotein 1 precursor [Homo sapiens] | 49.75 | 1 | 7 | 12 | 1304 | 1.006 | 408 | 6.8 | 1.276 | 407 | 20.1 | 54962.95 | 49.75 | 36 | 1304 | 201 | 23.5 | 5.11 |
| 110227598 | phospholipase B-like 1 precursor [Homo sapiens] | 29.48 | 1 | 13 | 13 | 62 | 1.006 | 24 | 3.6 | 1.188 | 22 | 12.1 | 1995.26 | 29.48 | 37 | 62 | 553 | 63.2 | 9.06 |
| 217330598 | glyoxalase domain-containing protein 4 [Homo sapiens] | 21.81 | 2 | 7 | 7 | 23 | 1.006 | 8 | 6.6 | 1.170 | 8 | 10.8 | 1060.35 | 21.81 | 20 | 23 | 298 | 33.2 | 5.60 |
| 261399877 | T-complex protein 1 subunit eta isoform d [Homo sapiens] | 19.84 | 4 | 8 | 8 | 33 | 1.005 | 12 | 12.1 | 1.167 | 12 | 18.4 | 1176.78 | 19.84 | 22 | 33 | 499 | 54.8 | 7.68 |
| 229577185 | epidermal growth factor receptor substrate 15 isoform B [Homo sa | 2.23 | 4 | 1 | 1 | 3 | 1.005 | 1 |  | 1.107 | 1 |  | 205.78 | 2.23 | 3 | 3 | 582 | 64.3 | 4.46 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19913412 | major vault protein isoform 1 [Homo sapiens] | 36.95 | 3 | 22 | 22 | 94 | 1.005 | 32 | 7.8 | 1.087 | 30 | 14.7 | 4154.85 | 36.95 | 64 | 94 | 893 | 99.3 | 5.48 |
| 530405396 | PREDICTED: tyrosine-protein kinase CSK isoform X1 [Homo sapien | 11.56 | 1 | 3 | 3 | 9 | 1.005 | 3 | 5.2 | 1.206 | 3 | 28.2 | 364.88 | 11.56 | 9 | 9 | 450 | 50.7 | 7.06 |
| 47157322 | protein kinase C beta type isoform 1 [Homo sapiens] | 6.71 | 14 | 4 | 5 | 12 | 1.005 | 4 | 0.7 | 1.103 | 4 | 14.5 | 315.90 | 6.71 | 12 | 12 | 671 | 76.8 | 7.01 |
| 4557325 | apolipoprotein E precursor [Homo sapiens] | 48.26 | 2 | 13 | 13 | 110 | 1.005 | 37 | 4.2 | 1.500 | 36 | 19.3 | 5407.15 | 48.26 | 38 | 110 | 317 | 36.1 | 5.73 |
| 4557014 | catalase [Homo sapiens] | 71.73 | 1 | 36 | 36 | 478 | 1.005 | 173 | 7.6 | 1.099 | 172 | 10.4 | 20310.95 | 71.73 | 103 | 478 | 527 | 59.7 | 7.39 |
| 491227401 | sacsin isoform 2 [Homo sapiens] | 0.45 | 3 | 2 | 2 | 2 | 1.005 | 2 | 4.3 | 1.087 | 2 | 20.2 | 33.77 | 0.45 | 2 | 2 | 4432 | 504.2 | 7.03 |
| 4757900 | calreticulin precursor [Homo sapiens] | 58.99 | 1 | 17 | 17 | 105 | 1.005 | 42 | 8.7 | 1.146 | 41 | 12.2 | 4010.59 | 58.99 | 44 | 105 | 417 | 48.1 | 4.44 |
| 11596859 | 39S ribosomal protein L17, mitochondrial [Homo sapiens] | 4.57 | 1 | 1 | 1 | 4 | 1.005 | 2 | 2.9 | **3.057** | 2 | 10.7 | 50.88 | 4.57 | 3 | 4 | 175 | 20.0 | 10.11 |
| 5803187 | transaldolase [Homo sapiens] | 58.16 | 2 | 26 | 26 | 335 | 1.005 | 130 | 6.8 | 1.178 | 130 | 13.5 | 11456.47 | 58.16 | 71 | 335 | 337 | 37.5 | 6.81 |
| 4885165 | cystatin-A [Homo sapiens] | 30.61 | 1 | 2 | 2 | 9 | 1.005 | 3 | 13.6 | 1.156 | 3 | 7.2 | 634.19 | 30.61 | 6 | 9 | 98 | 11.0 | 5.50 |
| 297206833 | 5-hydroxytryptamine receptor 4 isoform d [Homo sapiens] | 1.67 | 6 | 1 | 1 | 2 | 1.005 | 1 |  | 1.126 | 1 |  | 28.67 | 1.67 | 2 | 2 | 360 | 40.9 | 8.28 |
| 261399909 | rho GTPase-activating protein 25 isoform c [Homo sapiens] | 14.24 | 6 | 8 | 8 | 26 | 1.005 | 10 | 4.1 | 1.091 | 10 | 10.9 | 923.91 | 14.24 | 21 | 26 | 639 | 72.5 | 6.07 |
| 5031573 | actin-related protein 3 isoform 1 [Homo sapiens] | 74.40 | 11 | 22 | 22 | 264 | 1.005 | 96 | 6.7 | 1.140 | 96 | 15.6 | 11733.98 | 74.40 | 65 | 264 | 418 | 47.3 | 5.88 |
| 4506181 | proteasome subunit alpha type-2 [Homo sapiens] | 41.03 | 1 | 6 | 6 | 33 | 1.005 | 12 | 6.3 | 1.189 | 12 | 19.2 | 1724.79 | 41.03 | 17 | 33 | 234 | 25.9 | 7.43 |
| 262206315 | L-selectin precursor [Homo sapiens] | 4.16 | 1 | 2 | 2 | 7 | 1.005 | 3 | 0.1 | 1.193 | 3 | 3.6 | 180.04 | 4.16 | 5 | 7 | 385 | 43.6 | 7.15 |
| 530419493 | PREDICTED: protein kinase C and casein kinase substrate in neuro | 14.61 | 4 | 6 | 6 | 26 | 1.005 | 9 | 8.4 | 1.096 | 9 | 13.8 | 938.68 | 14.61 | 18 | 26 | 445 | 51.3 | 5.39 |
| 530392494 | PREDICTED: protein FAM107B isoform X3 [Homo sapiens] | 32.06 | 2 | 5 | 5 | 20 | 1.005 | 8 | 10.5 | 1.212 | 8 | 15.2 | 568.85 | 32.06 | 13 | 20 | 131 | 15.5 | 8.29 |
| 530393500 | PREDICTED: hexokinase-1 isoform X3 [Homo sapiens] | 7.65 | 6 | 5 | 7 | 24 | 1.005 | 5 | 1.2 | 1.276 | 5 | 19.9 | 960.08 | 7.65 | 19 | 24 | 889 | 99.1 | 6.80 |
| 22091452 | apolipoprotein M isoform 1 [Homo sapiens] | 42.55 | 3 | 5 | 5 | 29 | 1.005 | 11 | 5.3 | 1.584 | 10 | 22.2 | 1526.66 | 42.55 | 15 | 29 | 188 | 21.2 | 6.01 |
| 4758484 | glutathione S-transferase omega-1 isoform 1 [Homo sapiens] | 71.78 | 3 | 16 | 16 | 168 | 1.005 | 63 | 6.1 | 1.179 | 63 | 6.7 | 5488.62 | 71.78 | 46 | 168 | 241 | 27.5 | 6.60 |
| 4502105 | annexin A4 [Homo sapiens] | 63.24 | 2 | 18 | 20 | 140 | 1.005 | 45 | 6.4 | 1.214 | 45 | 12.2 | 6767.55 | 63.24 | 55 | 140 | 321 | 36.1 | 6.13 |
| 195947407 | TFIIH basal transcription factor complex helicase XPD subunit isofo | 1.73 | 3 | 1 | 1 | 2 | 1.005 | 2 | 6.2 | 1.158 | 2 | 10.3 | 38.72 | 1.73 | 1 | 2 | 405 | 46.2 | 8.63 |
| 4557892 | phosphatidylcholine-sterol acyltransferase precursor [Homo sapiens | 3.18 | 1 | 1 | 1 | 3 | 1.004 | 1 |  | 1.027 | 1 |  | 177.20 | 3.18 | 3 | 3 | 440 | 49.5 | 6.11 |
| 18104989 | tyrosine-protein phosphatase non-receptor type 6 isoform 1 [Homo | 40.34 | 4 | 20 | 20 | 102 | 1.004 | 38 | 6.0 | 1.150 | 37 | 15.0 | 3920.00 | 40.34 | 58 | 102 | 595 | 67.5 | 7.78 |
| 578811429 | PREDICTED: mitogen-activated protein kinase 14 isoform X1 [Hom | 27.92 | 47 | 6 | 6 | 21 | 1.004 | 5 | 2.7 | 1.095 | 5 | 23.5 | 709.51 | 27.92 | 16 | 21 | 283 | 32.3 | 4.92 |
| 4503483 | elongation factor 2 [Homo sapiens] | 38.11 | 1 | 27 | 27 | 137 | 1.004 | 51 | 4.9 | 1.137 | 51 | 11.8 | 5258.73 | 38.11 | 74 | 137 | 858 | 95.3 | 6.83 |
| 70906435 | fibrinogen beta chain isoform 1 preproprotein [Homo sapiens] | 78.00 | 2 | 39 | 39 | 1692 | 1.004 | 630 | 7.6 | 1.233 | 611 | 20.8 | 75900.62 | 78.00 | 108 | 1692 | 491 | 55.9 | 8.27 |
| 153251270 | calcineurin-like phosphoesterase domain-containing protein 1 isofo | 47.77 | 2 | 12 | 12 | 51 | 1.004 | 18 | 5.2 | 1.110 | 18 | 14.6 | 2412.85 | 47.77 | 35 | 51 | 314 | 35.5 | 6.20 |
| 4758356 | flap endonuclease 1 [Homo sapiens] | 4.74 | 1 | 2 | 2 | 6 | 1.004 | 2 | 4.8 | 1.207 | 2 | 8.4 | 211.45 | 4.74 | 6 | 6 | 380 | 42.6 | 8.62 |
| 7657603 | heme-binding protein 2 [Homo sapiens] | 30.73 | 1 | 5 | 5 | 26 | 1.004 | 10 | 6.3 | 1.265 | 10 | 17.8 | 944.69 | 30.73 | 14 | 26 | 205 | 22.9 | 4.63 |
| 29788751 | diacylglycerol kinase eta isoform 2 [Homo sapiens] | 0.66 | 2 | 1 | 1 | 2 | 1.004 | 1 |  | 1.503 | 1 |  | 29.89 | 0.66 | 2 | 2 | 1220 | 134.8 | 6.54 |
| 13569901 | TSC22 domain family protein 4 [Homo sapiens] | 7.09 | 1 | 1 | 1 | 3 | 1.004 | 1 |  | 1.143 | 1 |  | 344.38 | 7.09 | 3 | 3 | 395 | 41.0 | 7.21 |
| 115387104 | 4-trimethylaminobutyraldehyde dehydrogenase [Homo sapiens] | 6.56 | 1 | 3 | 3 | 7 | 1.004 | 3 | 3.8 | 1.134 | 3 | 1.4 | 315.31 | 6.56 | 7 | 7 | 518 | 56.3 | 6.57 |
| 392307009 | receptor-type tyrosine-protein phosphatase C isoform 2 precursor [ | 16.24 | 6 | 14 | 14 | 36 | 1.004 | 15 | 6.8 | 1.135 | 14 | 9.8 | 1214.26 | 16.24 | 33 | 36 | 1145 | 131.0 | 6.33 |
| 578809639 | PREDICTED: MOB kinase activator 1B isoform X2 [Homo sapiens] | 13.22 | 5 | 2 | 2 | 6 | 1.004 | 2 | 10.2 | 0.999 | 2 | 23.6 | 225.93 | 13.22 | 6 | 6 | 174 | 20.4 | 5.54 |
| 28195394 | histone H2A type 2-B [Homo sapiens] | 22.31 | 2 | 1 | 4 | 28 | 1.004 | 2 | 0.7 | 1.277 | 2 | 14.1 | 587.90 | 22.31 | 11 | 28 | 130 | 14.0 | 10.89 |
| 530386907 | PREDICTED: GTPase IMAP family member 8 isoform X2 [Homo sap | 2.85 | 2 | 2 | 2 | 7 | 1.004 | 4 | 4.2 | 1.167 | 4 | 11.7 | 83.24 | 2.85 | 5 | 7 | 456 | 51.3 | 8.18 |
| 117320537 | 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma | 5.06 | 1 | 4 | 4 | 10 | 1.004 | 4 | 2.0 | 1.153 | 4 | 10.2 | 426.26 | 5.06 | 10 | 10 | 1265 | 147.8 | 6.64 |
| 119395754 | keratin, type II cytoskeletal 5 [Homo sapiens] | 17.12 | 12 | 2 | 13 | 68 | 1.004 | 4 | 3.5 | 1.115 | 4 | 4.5 | 2041.37 | 17.12 | 34 | 68 | 590 | 62.3 | 7.74 |
| 530369318 | PREDICTED: ras-related protein Ral-B isoform X4 [Homo sapiens] | 6.80 | 2 | 1 | 1 | 3 | 1.004 | 1 |  | 1.191 | 1 |  | 241.57 | 6.80 | 3 | 3 | 206 | 23.4 | 6.62 |
| 4503117 | cystatin-B [Homo sapiens] | 59.18 | 1 | 5 | 5 | 35 | 1.004 | 13 | 6.6 | 1.130 | 13 | 8.0 | 1099.76 | 59.18 | 15 | 35 | 98 | 11.1 | 7.56 |
| 156616294 | N-acetylmuramoyl-L-alanine amidase precursor [Homo sapiens] | 30.56 | 2 | 9 | 9 | 54 | 1.004 | 19 | 7.4 | 1.204 | 18 | 17.7 | 2635.76 | 30.56 | 27 | 54 | 576 | 62.2 | 7.55 |
| 295054188 | hyaluronan-binding protein 2 isoform 2 [Homo sapiens] | 8.43 | 2 | 4 | 4 | 9 | 1.003 | 4 | 5.8 | 1.119 | 4 | 14.7 | 219.92 | 8.43 | 8 | 9 | 534 | 59.8 | 6.43 |
| 4758302 | enhancer of rudimentary homolog [Homo sapiens] | 16.35 | 1 | 2 | 2 | 8 | 1.003 | 3 | 1.7 | 1.085 | 3 | 4.4 | 163.00 | 16.35 | 6 | 8 | 104 | 12.3 | 5.92 |
| 384229049 | thymidine phosphorylase isoform 1 proprotein [Homo sapiens] | 38.38 | 2 | 14 | 14 | 58 | 1.003 | 21 | 6.3 | 1.105 | 21 | 12.3 | 3068.16 | 38.38 | 38 | 58 | 482 | 49.9 | 5.53 |
| 4826643 | annexin A3 [Homo sapiens] | 81.42 | 7 | 31 | 32 | 450 | 1.003 | 162 | 6.5 | 1.214 | 159 | 13.9 | 18072.92 | 81.42 | 92 | 450 | 323 | 36.4 | 5.92 |
| 19913428 | V-type proton ATPase subunit B, brain isoform [Homo sapiens] | 30.53 | 3 | 10 | 10 | 48 | 1.003 | 18 | 8.4 | 1.413 | 16 | 26.4 | 2169.32 | 30.53 | 28 | 48 | 511 | 56.5 | 5.81 |
| 22538442 | cathepsin Z preproprotein [Homo sapiens] | 12.87 | 1 | 3 | 3 | 9 | 1.003 | 3 | 0.3 | 1.068 | 3 | 13.8 | 359.37 | 12.87 | 9 | 9 | 303 | 33.8 | 7.11 |
| 23110925 | proteasome subunit beta type-6 isoform 1 proprotein [Homo sapie | 6.69 | 1 | 2 | 2 | 10 | 1.003 | 4 | 2.6 | 1.201 | 4 | 4.9 | 325.59 | 6.69 | 4 | 10 | 239 | 25.3 | 4.92 |
| 530391028 | PREDICTED: gelsolin isoform X6 [Homo sapiens] | 62.24 | 10 | 35 | 35 | 742 | 1.003 | 266 | 8.0 | 1.153 | 264 | 16.8 | 34337.25 | 62.24 | 102 | 742 | 731 | 80.6 | 5.85 |
| 4501987 | afamin precursor [Homo sapiens] | 39.90 | 2 | 19 | 19 | 177 | 1.003 | 65 | 4.9 | 1.214 | 63 | 16.4 | 6900.79 | 39.90 | 56 | 177 | 599 | 69.0 | 5.90 |
| 578806141 | PREDICTED: hepatocyte growth factor-like protein isoform X4 [Hor | 2.89 | 5 | 1 | 1 | 4 | 1.003 | 2 | 8.2 | 1.475 | 2 | 5.1 | 109.66 | 2.89 | 3 | 4 | 519 | 59.2 | 7.78 |
| 530379128 | PREDICTED: lysM and putative peptidoglycan-binding domain-cont | 1.63 | 13 | 1 | 1 | 1 | 1.003 | 1 |  | 1.104 | 1 |  | 23.24 | 1.63 | 1 | 1 | 306 | 34.5 | 5.97 |
| 578823396 | PREDICTED: anoctamin-6 isoform X3 [Homo sapiens] | 1.23 | 10 | 1 | 2 | 4 | 1.003 | 1 |  | 1.154 | 1 |  | 43.71 | 1.23 | 2 | 4 | 812 | 94.2 | 6.79 |
| 6006001 | glutathione peroxidase 3 precursor [Homo sapiens] | 28.32 | 1 | 6 | 6 | 23 | 1.003 | 9 | 8.1 | 1.256 | 9 | 10.5 | 613.89 | 28.32 | 16 | 23 | 226 | 25.5 | 8.13 |
| 4557894 | lysozyme C precursor [Homo sapiens] | 70.27 | 1 | 11 | 11 | 370 | 1.003 | 147 | 7.7 | 1.256 | 147 | 16.2 | 13612.48 | 70.27 | 33 | 370 | 148 | 16.5 | 9.16 |
| 38327625 | citrate synthase, mitochondrial precursor [Homo sapiens] | 5.79 | 1 | 2 | 2 | 6 | 1.003 | 2 | 4.9 | 1.081 | 2 | 0.9 | 345.31 | 5.79 | 6 | 6 | 466 | 51.7 | 8.32 |
| 578811455 | PREDICTED: leukocyte elastase inhibitor isoform X1 [Homo sapiens | 52.24 | 3 | 17 | 18 | 155 | 1.003 | 55 | 7.9 | 1.070 | 55 | 7.5 | 6803.54 | 52.24 | 52 | 155 | 379 | 42.7 | 6.28 |
| 578813343 | PREDICTED: thrombospondin type-1 domain-containing protein 7A | 0.92 | 5 | 1 | 1 | 6 | 1.003 | 6 | 4.3 | 1.601 | 6 | 17.7 | 107.44 | 0.92 | 1 | 6 | 1516 | 169.7 | 7.37 |
| 530407092 | PREDICTED: aminopeptidase N isoform X1 [Homo sapiens] | 4.45 | 1 | 4 | 4 | 12 | 1.003 | 4 | 9.0 | 1.105 | 4 | 3.7 | 498.95 | 4.45 | 12 | 12 | 967 | 109.5 | 5.48 |
| 4506191 | proteasome subunit beta type-10 precursor [Homo sapiens] | 15.75 | 1 | 3 | 3 | 14 | 1.003 | 5 | 8.8 | 1.159 | 5 | 5.8 | 951.79 | 15.75 | 9 | 14 | 273 | 28.9 | 7.81 |
| 29826282 | protein phosphatase 1G [Homo sapiens] | 4.58 | 1 | 1 | 1 | 3 | 1.003 | 1 |  | **3.331** | 1 |  | 138.22 | 4.58 | 3 | 3 | 546 | 59.2 | 4.36 |
| 578811290 | PREDICTED: PDZ and LIM domain protein 7 isoform X5 [Homo sap | 6.38 | 6 | 1 | 1 | 6 | 1.003 | 2 | 7.2 | 1.336 | 2 | 0.2 | 241.40 | 6.38 | 3 | 6 | 188 | 21.1 | 9.66 |
| 578816553 | PREDICTED: centlein isoform X2 [Homo sapiens] | 0.52 | 3 | 1 | 1 | 1 | 1.003 | 1 |  | 1.104 | 1 |  | 27.52 | 0.52 | 1 | 1 | 1343 | 155.6 | 8.40 |
| 21314600 | carcinoembryonic antigen-related cell adhesion molecule 8 precurs | 15.47 | 11 | 4 | 4 | 14 | 1.002 | 6 | 8.7 | 1.159 | 6 | 3.9 | 338.89 | 15.47 | 8 | 14 | 349 | 38.1 | 7.39 |
| 192447438 | vitamin K-dependent protein S preproprotein [Homo sapiens] | 29.14 | 2 | 16 | 16 | 110 | 1.002 | 39 | 6.4 | 1.151 | 39 | 25.2 | 4692.76 | 29.14 | 45 | 110 | 676 | 75.1 | 5.67 |
| 578831699 | PREDICTED: UPF0378 protein KIAA0100 isoform X2 [Homo sapiens | 0.43 | 3 | 1 | 1 | 6 | 1.002 | 2 | 3.5 | 0.615 | 1 |  | 99.42 | 0.43 | 3 | 6 | 2092 | 237.2 | 6.99 |
| 186700623 | rab-like protein 6 isoform 1 [Homo sapiens] | 1.51 | 2 | 1 | 1 | 3 | 1.002 | 1 |  | 1.393 | 1 |  | 100.58 | 1.51 | 3 | 3 | 729 | 79.5 | 5.22 |
| 151101404 | prothymosin alpha isoform 2 [Homo sapiens] | 23.64 | 4 | 4 | 4 | 27 | 1.002 | 10 | 18.9 | 1.171 | 9 | 1.7 | 1319.17 | 23.64 | 12 | 27 | 110 | 12.1 | 3.79 |
| 530364158 | PREDICTED: SH2 domain-containing adapter protein E isoform X1 | 1.36 | 2 | 1 | 1 | 1 | 1.002 | 1 |  | 1.283 | 1 |  | 30.85 | 1.36 | 1 | 1 | 440 | 47.7 | 9.28 |
| 5453880 | acidic leucine-rich nuclear phosphoprotein 32 family member A [Hc | 42.17 | 4 | 5 | 10 | 78 | 1.002 | 15 | 8.0 | 1.047 | 15 | 24.1 | 3061.71 | 42.17 | 29 | 78 | 249 | 28.6 | 4.09 |
| 530363148 | PREDICTED: splicing factor, proline- and glutamine-rich isoform X5 | 12.41 | 2 | 5 | 6 | 19 | 1.002 | 6 | 5.8 | 1.189 | 6 | 16.1 | 739.67 | 12.41 | 16 | 19 | 669 | 72.2 | 9.23 |
| 38016947 | complement C5 preproprotein [Homo sapiens] | 42.30 | 4 | 49 | 50 | 297 | 1.002 | 106 | 5.9 | 1.231 | 99 | 19.7 | 10868.37 | 42.30 | 145 | 297 | 1676 | 188.2 | 6.52 |
| 530411381 | PREDICTED: septin-9 isoform X3 [Homo sapiens] | 14.03 | 8 | 4 | 4 | 17 | 1.002 | 6 | 6.6 | 1.110 | 6 | 16.3 | 929.34 | 14.03 | 11 | 17 | 335 | 38.5 | 7.55 |
| 578833510 | PREDICTED: syntaxin-binding protein 2 isoform X1 [Homo sapiens] | 18.02 | 4 | 7 | 7 | 22 | 1.002 | 8 | 6.3 | 1.032 | 8 | 15.4 | 1078.54 | 18.02 | 20 | 22 | 566 | 63.3 | 6.51 |
| 4502163 | apolipoprotein D precursor [Homo sapiens] | 34.39 | 1 | 7 | 7 | 97 | 1.002 | 37 | 5.6 | 1.306 | 37 | 26.4 | 4520.06 | 34.39 | 20 | 97 | 189 | 21.3 | 5.15 |
| 6005846 | twinfilin-2 [Homo sapiens] | 31.23 | 1 | 7 | 7 | 34 | 1.002 | 13 | 9.7 | 1.172 | 12 | 17.9 | 1804.42 | 31.23 | 19 | 34 | 349 | 39.5 | 6.84 |
| 156627571 | sorbitol dehydrogenase [Homo sapiens] | 5.60 | 4 | 1 | 2 | 9 | 1.002 | 2 | 0.5 | 1.056 | 2 | 28.0 | 330.30 | 5.60 | 6 | 9 | 357 | 38.3 | 7.97 |
| 74272287 | matrix metalloproteinase-9 preproprotein [Homo sapiens] | 63.51 | 1 | 40 | 40 | 539 | 1.002 | 200 | 6.3 | 1.205 | 194 | 20.9 | 21644.63 | 63.51 | 117 | 539 | 707 | 78.4 | 6.06 |
| 4885371 | histone H1.0 [Homo sapiens] | 28.87 | 1 | 6 | 6 | 37 | 1.002 | 13 | 11.9 | 1.150 | 13 | 16.0 | 1207.86 | 28.87 | 18 | 37 | 194 | 20.9 | 10.84 |
| 530399060 | PREDICTED: DENN domain-containing protein 5B isoform X5 [Hom | 0.61 | 5 | 1 | 1 | 1 | 1.002 | 1 |  | 1.615 | 1 |  | 23.01 | 0.61 | 1 | 1 | 1156 | 131.4 | 6.92 |
| 6806898 | alpha-synuclein isoform NACP112 [Homo sapiens] | 19.64 | 4 | 2 | 2 | 6 | 1.002 | 2 | 7.4 | 1.065 | 2 | 2.8 | 395.09 | 19.64 | 6 | 6 | 112 | 11.4 | 8.29 |
| 530421239 | PREDICTED: spermine synthase isoform X2 [Homo sapiens] | 2.91 | 4 | 1 | 1 | 1 | 1.002 | 1 |  | 1.297 | 1 |  | 28.32 | 2.91 | 1 | 1 | 275 | 31.1 | 4.93 |
| 578806371 | PREDICTED: protein kinase C delta type isoform X2 [Homo sapiens | 5.92 | 14 | 3 | 4 | 14 | 1.002 | 4 | 1.9 | 1.090 | 4 | 4.3 | 573.28 | 5.92 | 11 | 14 | 676 | 77.5 | 7.75 |
| 578815670 | PREDICTED: V-type proton ATPase subunit H isoform X1 [Homo sa | 2.37 | 2 | 1 | 1 | 3 | 1.002 | 1 |  | 1.350 | 1 |  | 80.17 | 2.37 | 3 | 3 | 465 | 54.1 | 6.48 |
| 4557741 | platelet-activating factor acetylhydrolase IB subunit alpha [Homo s | 10.24 | 1 | 3 | 4 | 15 | 1.002 | 3 | 2.0 | 1.031 | 3 | 8.4 | 471.73 | 10.24 | 12 | 15 | 410 | 46.6 | 7.37 |
| 4506773 | protein S100-A9 [Homo sapiens] | 91.23 | 1 | 16 | 16 | 4917 | 1.002 | 1792 | 7.7 | 1.201 | 1787 | 18.4 | 183128.22 | 91.23 | 47 | 4917 | 114 | 13.2 | 6.13 |
| 39725934 | pigment epithelium-derived factor precursor [Homo sapiens] | 46.89 | 1 | 14 | 14 | 119 | 1.002 | 45 | 8.8 | 1.212 | 45 | 17.3 | 5610.40 | 46.89 | 42 | 119 | 418 | 46.3 | 6.38 |
| 62198237 | DNA polymerase epsilon catalytic subunit A [Homo sapiens] | 0.52 | 23 | 2 | 2 | 5 | 1.002 | 1 |  | 0.919 | 1 |  | 75.77 | 0.52 | 5 | 5 | 2286 | 261.4 | 6.39 |
| 260436860 | AP-1 complex subunit beta-1 isoform b [Homo sapiens] | 8.84 | 4 | 3 | 7 | 19 | 1.002 | 3 | 1.7 | 1.130 | 3 | 0.1 | 691.47 | 8.84 | 17 | 19 | 939 | 103.5 | 5.16 |
| 508772599 | annexin A11 isoform 2 [Homo sapiens] | 35.81 | 4 | 16 | 17 | 98 | 1.001 | 34 | 6.4 | 1.149 | 34 | 10.5 | 4497.07 | 35.81 | 50 | 98 | 472 | 51.2 | 7.66 |
| 544063464 | lamin isoform E [Homo sapiens] | 7.54 | 6 | 3 | 3 | 10 | 1.001 | 4 | 2.2 | 1.308 | 4 | 29.3 | 293.35 | 7.54 | 8 | 10 | 491 | 55.7 | 7.02 |
| 578809862 | PREDICTED: serine/threonine-protein kinase NIM1 isoform X2 [Hor | 2.56 | 6 | 2 | 2 | 2 | 1.001 | 1 |  | 1.395 | 1 |  | 27.92 | 2.56 | 2 | 2 | 312 | 35.6 | 7.62 |
| 195927020 | calcium-binding protein 39 [Homo sapiens] | 21.99 | 2 | 7 | 7 | 33 | 1.001 | 11 | 2.8 | 1.094 | 11 | 10.7 | 1072.24 | 21.99 | 21 | 33 | 341 | 39.8 | 6.89 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 348041314 | cathelicidin antimicrobial peptide preproprotein [Homo sapiens] | 60.12 | 8 | 13 | 13 | 94 | 1.001 | 35 | 5.6 | 1.187 | 35 | 9.8 | 2931.58 | 60.12 | 36 | 94 | 173 | 19.6 | 9.41 |
| 291575128 | L-lactate dehydrogenase B chain [Homo sapiens] | 51.50 | 4 | 15 | 17 | 132 | 1.001 | 36 | 7.4 | 1.136 | 35 | 9.7 | 4713.24 | 51.50 | 50 | 132 | 334 | 36.6 | 6.05 |
| 540344580 | probable guanine nucleotide exchange factor MCF2L2 [Homo sapie | 0.72 | 1 | 1 | 1 | 5 | 1.001 | 5 | 4.7 | 1.103 | 5 | 7.0 | 48.77 | 0.72 | 1 | 5 | 1114 | 126.9 | 6.42 |
| 4557871 | serotransferrin precursor [Homo sapiens] | 81.38 | 43 | 66 | 68 | 3182 | 1.001 | 1163 | 8.5 | 1.270 | 1149 | 23.8 | 135782.65 | 81.38 | 197 | 3182 | 698 | 77.0 | 7.12 |
| 578813718 | PREDICTED: septin-7 isoform X5 [Homo sapiens] | 17.10 | 18 | 5 | 6 | 26 | 1.001 | 7 | 2.6 | 1.221 | 7 | 7.7 | 1025.33 | 17.10 | 18 | 26 | 427 | 49.9 | 8.84 |
| 14916455 | serine/threonine-protein kinase H2 [Homo sapiens] | 2.34 | 1 | 1 | 1 | 1 | 1.001 | 1 |  | 0.603 | 1 |  | 28.83 | 2.34 | 1 | 1 | 385 | 43.0 | 9.63 |
| 299829294 | neutrophil cytosol factor 2 isoform 2 [Homo sapiens] | 38.46 | 5 | 16 | 16 | 61 | 1.001 | 23 | 5.6 | 1.167 | 23 | 13.2 | 2614.88 | 38.46 | 44 | 61 | 481 | 54.4 | 5.88 |
| 5031815 | lysine--tRNA ligase isoform 2 [Homo sapiens] | 4.86 | 2 | 2 | 2 | 12 | 1.001 | 4 | 10.2 | 1.247 | 4 | 9.2 | 697.31 | 4.86 | 6 | 12 | 597 | 68.0 | 6.35 |
| 526118265 | Golgin subfamily A member 5 [Homo sapiens] | 0.82 | 1 | 1 | 1 | 11 | 1.001 | 6 | 23.4 | **2.331** | 6 | 36.2 | 125.22 | 0.82 | 2 | 11 | 731 | 82.9 | 5.83 |
| 70906437 | fibrinogen gamma chain isoform gamma-A precursor [Homo sapier | 82.84 | 4 | 35 | 36 | 1801 | 1.001 | 686 | 11.2 | 1.235 | 678 | 23.4 | 62867.08 | 82.84 | 104 | 1801 | 437 | 49.5 | 6.09 |
| 578829418 | PREDICTED: piezo-type mechanosensitive ion channel component | 0.32 | 3 | 1 | 1 | 1 | 1.001 | 1 |  | 0.982 | 1 |  | 21.05 | 0.32 | 1 | 1 | 2497 | 283.9 | 7.43 |
| 7706563 | ras-related protein Rab-8B [Homo sapiens] | 27.05 | 21 | 2 | 5 | 37 | 1.001 | 6 | 7.1 | 1.245 | 6 | 9.6 | 1674.26 | 27.05 | 14 | 37 | 207 | 23.6 | 9.07 |
| 578822940 | PREDICTED: protein asunder homolog isoform X4 [Homo sapiens] | 1.11 | 2 | 1 | 1 | 1 | 1.001 | 1 |  | 1.189 | 1 |  | 0.00 | 1.11 | 1 | 1 | 631 | 71.9 | 6.62 |
| 578822609 | PREDICTED: ninjurin-2 isoform X2 [Homo sapiens] | 5.66 | 3 | 1 | 1 | 3 | 1.001 | 1 |  | 1.145 | 1 |  | 44.92 | 5.66 | 3 | 3 | 106 | 11.7 | 10.15 |
| 4557287 | angiotensinogen preproprotein [Homo sapiens] | 49.48 | 1 | 13 | 13 | 144 | 1.000 | 53 | 7.3 | 1.241 | 50 | 25.4 | 6889.06 | 49.48 | 37 | 144 | 485 | 53.1 | 6.32 |
| 14251209 | chloride intracellular channel protein 1 [Homo sapiens] | 82.99 | 8 | 16 | 16 | 162 | 1.000 | 60 | 9.1 | 1.203 | 58 | 20.0 | 5687.64 | 82.99 | 46 | 162 | 241 | 26.9 | 5.17 |
| 578824757 | PREDICTED: COMM domain-containing protein 6 isoform X1 [Homo | 9.00 | 1 | 1 | 1 | 3 | 1.000 | 2 | 2.7 | 1.222 | 2 | 4.5 | 53.04 | 9.00 | 3 | 3 | 100 | 11.6 | 9.61 |
| 537361024 | dual specificity tyrosine-phosphorylation-regulated kinase 4 isoform | 2.15 | 1 | 1 | 1 | 46 | 1.000 | 17 | 4.1 | 1.276 | 17 | 12.9 | 545.41 | 2.15 | 3 | 46 | 233 | 26.3 | 9.01 |
| 16933542 | fibronectin isoform 3 preproprotein [Homo sapiens] | 49.21 | 28 | 83 | 83 | 704 | 1.000 | 255 | 7.9 | 1.181 | 253 | 17.6 | 32288.19 | 49.21 | 240 | 704 | 2355 | 259.1 | 5.73 |
| 5730027 | KH domain-containing, RNA-binding, signal transduction-associated | 3.61 | 10 | 2 | 2 | 3 | 1.000 | 1 |  | 1.056 | 1 |  | 87.87 | 3.61 | 3 | 3 | 443 | 48.2 | 8.66 |
| 116292750 | apolipoprotein(a) precursor [Homo sapiens] | 4.41 | 1 | 1 | 1 | 3 | 1.000 | 1 |  | 1.076 | 1 |  | 118.34 | 4.41 | 3 | 3 | 2040 | 226.4 | 6.07 |
| 58331240 | fetuin-B precursor [Homo sapiens] | 10.73 | 3 | 3 | 3 | 8 | 1.000 | 3 | 4.7 | 1.136 | 3 | 12.7 | 327.67 | 10.73 | 8 | 8 | 382 | 42.0 | 6.83 |
| 4503987 | gamma-glutamyl hydrolase precursor [Homo sapiens] | 33.96 | 1 | 8 | 8 | 40 | 1.000 | 14 | 4.5 | 1.282 | 14 | 17.1 | 1645.45 | 33.96 | 23 | 40 | 318 | 35.9 | 7.11 |
| 21735621 | malate dehydrogenase, mitochondrial isoform 1 precursor [Homo s | 23.96 | 3 | 6 | 6 | 23 | 1.000 | 8 | 5.1 | 1.160 | 8 | 6.7 | 1187.57 | 23.96 | 17 | 23 | 338 | 35.5 | 8.68 |
| 189083844 | dipeptidyl peptidase 1 isoform a preproprotein [Homo sapiens] | 18.36 | 3 | 6 | 6 | 26 | 1.000 | 9 | 8.6 | 1.158 | 9 | 9.7 | 1141.09 | 18.36 | 18 | 26 | 463 | 51.8 | 6.99 |
| 42822872 | ribonuclease inhibitor [Homo sapiens] | 50.11 | 1 | 14 | 14 | 93 | 1.000 | 34 | 5.7 | 1.138 | 33 | 14.6 | 5325.98 | 50.11 | 42 | 93 | 461 | 49.9 | 4.82 |
| 148529014 | DNA damage-binding protein 1 [Homo sapiens] | 3.68 | 1 | 3 | 3 | 9 | 1.000 | 3 | 0.8 | 1.384 | 3 | 12.6 | 517.26 | 3.68 | 9 | 9 | 1140 | 126.9 | 5.26 |
| 4506925 | SH3 domain-binding glutamic acid-rich-like protein [Homo sapiens] | 91.23 | 1 | 10 | 10 | 68 | 1.000 | 27 | 6.9 | 1.170 | 27 | 17.8 | 2753.48 | 91.23 | 28 | 68 | 114 | 12.8 | 5.25 |
| 153266841 | beta-2-glycoprotein 1 precursor [Homo sapiens] | 58.84 | 1 | 16 | 16 | 251 | 1.000 | 100 | 9.6 | 1.121 | 98 | 19.7 | 8799.46 | 58.84 | 47 | 251 | 345 | 38.3 | 7.97 |
| 530361334 | PREDICTED: complement C1q subcomponent subunit B isoform X1 | 43.08 | 3 | 9 | 9 | 94 | 1.000 | 36 | 7.7 | 1.298 | 35 | 30.7 | 3780.59 | 43.08 | 25 | 94 | 253 | 26.7 | 8.63 |
| 70778918 | inter-alpha-trypsin inhibitor heavy chain H2 precursor [Homo sapie | 32.66 | 1 | 23 | 23 | 209 | 1.000 | 78 | 7.2 | 1.185 | 77 | 15.4 | 8888.92 | 32.66 | 67 | 209 | 946 | 106.4 | 6.86 |
| 48255966 | UTP--glucose-1-phosphate uridylyltransferase isoform a [Homo sap | 53.94 | 4 | 24 | 24 | 139 | 1.000 | 52 | 6.7 | 1.189 | 52 | 13.5 | 6625.94 | 53.94 | 63 | 139 | 508 | 56.9 | 8.15 |
| 5902134 | coronin-1A [Homo sapiens] | 62.91 | 14 | 30 | 31 | 375 | 1.000 | 140 | 9.3 | 1.159 | 134 | 18.6 | 13055.07 | 62.91 | 89 | 375 | 461 | 51.0 | 6.68 |
| 4557361 | BH3-interacting domain death agonist isoform 2 [Homo sapiens] | 19.49 | 3 | 3 | 3 | 24 | 1.000 | 9 | 5.0 | 1.133 | 9 | 18.6 | 1492.76 | 19.49 | 7 | 24 | 195 | 22.0 | 5.44 |
| 4506671 | 60S acidic ribosomal protein P2 [Homo sapiens] | 40.87 | 1 | 3 | 3 | 10 | 1.000 | 4 | 7.3 | 1.104 | 4 | 11.1 | 602.09 | 40.87 | 8 | 10 | 115 | 11.7 | 4.54 |
| 559098411 | uncharacterized protein KIAA1958 isoform c [Homo sapiens] | 1.56 | 3 | 1 | 1 | 1 | 1.000 | 1 |  | 1.362 | 1 |  | 31.58 | 1.56 | 1 | 1 | 448 | 48.6 | 5.44 |
| 5031571 | actin-related protein 2 isoform b [Homo sapiens] | 56.09 | 28 | 15 | 17 | 177 | 0.999 | 52 | 5.5 | 1.192 | 50 | 21.5 | 7240.21 | 56.09 | 48 | 177 | 394 | 44.7 | 6.74 |
| 88853069 | vitronectin precursor [Homo sapiens] | 35.36 | 1 | 10 | 11 | 110 | 0.999 | 41 | 6.4 | 1.312 | 41 | 19.3 | 4440.69 | 35.36 | 30 | 110 | 478 | 54.3 | 5.80 |
| 170016081 | protein XRP2 [Homo sapiens] | 8.00 | 1 | 5 | 5 | 16 | 0.999 | 6 | 1.3 | 1.200 | 6 | 15.8 | 419.08 | 8.00 | 13 | 16 | 350 | 39.6 | 5.12 |
| 530366456 | PREDICTED: C4b-binding protein alpha chain isoform X2 [Homo sa | 47.07 | 1 | 25 | 25 | 261 | 0.999 | 101 | 5.4 | 1.199 | 101 | 15.5 | 9294.63 | 47.07 | 71 | 261 | 597 | 67.0 | 7.30 |
| 564473387 | actin-related protein 2/3 complex subunit 3 isoform 2 [Homo sapie | 40.11 | 2 | 8 | 8 | 55 | 0.999 | 20 | 7.3 | 1.127 | 20 | 9.3 | 1680.17 | 40.11 | 24 | 55 | 177 | 20.4 | 8.78 |
| 635172849 | beta-hexosaminidase subunit beta isoform 2 [Homo sapiens] | 11.48 | 2 | 3 | 3 | 9 | 0.999 | 3 | 0.2 | 1.093 | 3 | 10.5 | 456.76 | 11.48 | 9 | 9 | 331 | 38.2 | 6.44 |
| 222352168 | protein ANKUB1 [Homo sapiens] | 0.92 | 1 | 1 | 1 | 1 | 0.999 | 1 |  | 1.173 | 1 |  | 25.94 | 0.92 | 1 | 1 | 544 | 61.2 | 9.20 |
| 32483399 | serine/threonine-protein kinase PAK 2 [Homo sapiens] | 15.27 | 7 | 4 | 5 | 19 | 0.999 | 6 | 10.0 | 1.146 | 6 | 22.8 | 777.12 | 15.27 | 14 | 19 | 524 | 58.0 | 5.96 |
| 67782358 | complement factor B preproprotein [Homo sapiens] | 56.94 | 1 | 43 | 43 | 418 | 0.999 | 162 | 8.1 | 1.277 | 158 | 25.3 | 15867.40 | 56.94 | 117 | 418 | 764 | 85.5 | 7.06 |
| 289577114 | eukaryotic translation initiation factor 4 gamma 2 isoform 2 [Homo | 1.73 | 33 | 1 | 2 | 6 | 0.999 | 1 |  | 1.297 | 1 |  | 142.81 | 1.73 | 6 | 6 | 869 | 98.1 | 6.99 |
| 108773793 | glucose-6-phosphate 1-dehydrogenase isoform b [Homo sapiens] | 64.08 | 8 | 33 | 33 | 296 | 0.999 | 109 | 6.7 | 1.189 | 108 | 18.5 | 12253.40 | 64.08 | 95 | 296 | 515 | 59.2 | 6.84 |
| 578812604 | PREDICTED: nesprin-1 isoform X19 [Homo sapiens] | 0.13 | 20 | 1 | 1 | 6 | 0.999 | 2 | 7.3 | 1.019 | 2 | 0.2 | 158.35 | 0.13 | 3 | 6 | 8721 | 1002.8 | 5.52 |
| 68509926 | putative pre-mRNA-splicing factor ATP-dependent RNA helicase DH | 3.90 | 1 | 3 | 3 | 10 | 0.999 | 5 | 2.0 | 1.053 | 5 | 2.7 | 492.73 | 3.90 | 9 | 10 | 795 | 90.9 | 7.46 |
| 530371139 | PREDICTED: N-myc-interactor isoform X1 [Homo sapiens] | 32.57 | 1 | 8 | 8 | 27 | 0.999 | 11 | 4.8 | 1.278 | 11 | 30.5 | 1102.05 | 32.57 | 19 | 27 | 307 | 35.0 | 5.34 |
| 189458812 | 1,4-alpha-glucan-branching enzyme [Homo sapiens] | 16.38 | 1 | 8 | 8 | 50 | 0.999 | 17 | 9.3 | 1.183 | 17 | 7.6 | 2670.93 | 16.38 | 24 | 50 | 702 | 80.4 | 6.32 |
| 4507149 | superoxide dismutase [Cu-Zn] [Homo sapiens] | 64.29 | 1 | 6 | 6 | 36 | 0.999 | 13 | 9.0 | 1.123 | 13 | 10.4 | 2658.11 | 64.29 | 17 | 36 | 154 | 15.9 | 6.13 |
| 58219054 | bcl-2-like protein 15 [Homo sapiens] | 8.59 | 1 | 1 | 1 | 2 | 0.999 | 1 |  | 1.480 | 1 |  | 49.75 | 8.59 | 2 | 2 | 163 | 17.7 | 4.41 |
| 4757760 | adiponectin precursor [Homo sapiens] | 6.15 | 1 | 1 | 1 | 3 | 0.999 | 1 |  | 0.972 | 1 |  | 142.42 | 6.15 | 3 | 3 | 244 | 26.4 | 5.74 |
| 71565154 | alcohol dehydrogenase class-3 [Homo sapiens] | 5.08 | 1 | 3 | 3 | 6 | 0.999 | 3 | 2.7 | 1.132 | 3 | 5.2 | 103.69 | 5.08 | 6 | 6 | 374 | 39.7 | 7.49 |
| 4502337 | zinc-alpha-2-glycoprotein precursor [Homo sapiens] | 59.40 | 1 | 20 | 20 | 213 | 0.999 | 77 | 6.0 | 1.255 | 77 | 17.9 | 8594.26 | 59.40 | 58 | 213 | 298 | 34.2 | 6.05 |
| 578810171 | PREDICTED: solute carrier family 25 member 48 isoform X6 [Homo | 2.57 | 1 | 1 | 1 | 3 | 0.998 | 2 | 0.0 | 1.254 | 2 | 16.7 | 38.54 | 2.57 | 2 | 3 | 311 | 33.4 | 8.69 |
| 307078125 | clathrin interactor 1 isoform 3 [Homo sapiens] | 5.92 | 3 | 3 | 3 | 11 | 0.998 | 4 | 7.3 | 1.227 | 4 | 20.4 | 387.27 | 5.92 | 8 | 11 | 625 | 68.1 | 6.42 |
| 145275213 | coagulation factor XII precursor [Homo sapiens] | 19.35 | 1 | 8 | 8 | 36 | 0.998 | 13 | 5.9 | 1.211 | 13 | 4.1 | 1499.12 | 19.35 | 21 | 36 | 615 | 67.7 | 7.74 |
| 4507677 | endoplasmin precursor [Homo sapiens] | 17.68 | 23 | 12 | 14 | 52 | 0.998 | 16 | 8.2 | 1.095 | 16 | 6.4 | 2428.22 | 17.68 | 38 | 52 | 803 | 92.4 | 4.84 |
| 52353252 | olfactory receptor 52E4 [Homo sapiens] | 3.21 | 1 | 1 | 1 | 1 | 0.998 | 1 |  | 0.908 | 1 |  | 20.06 | 3.21 | 1 | 1 | 312 | 35.5 | 8.53 |
| 85815829 | SH3 domain-binding protein 1 [Homo sapiens] | 1.28 | 1 | 1 | 1 | 3 | 0.998 | 1 |  | 1.076 | 1 |  | 164.23 | 1.28 | 3 | 3 | 701 | 75.7 | 6.77 |
| 48255891 | glucosidase 2 subunit beta isoform 2 precursor [Homo sapiens] | 11.62 | 6 | 6 | 6 | 26 | 0.998 | 9 | 5.9 | 1.109 | 9 | 12.4 | 987.06 | 11.62 | 18 | 26 | 525 | 59.1 | 4.42 |
| 62912466 | C4b-binding protein beta chain isoform 2 precursor [Homo sapiens | 27.89 | 3 | 6 | 6 | 22 | 0.998 | 8 | 6.1 | 1.203 | 8 | 8.7 | 672.85 | 27.89 | 16 | 22 | 251 | 28.3 | 5.14 |
| 34365783 | visual system homeobox 2 [Homo sapiens] | 2.49 | 1 | 1 | 1 | 6 | 0.998 | 3 | 1.7 | 2.128 | 3 | 8.4 | 83.42 | 2.49 | 2 | 6 | 361 | 39.4 | 7.55 |
| 578811759 | PREDICTED: UHRF1-binding protein 1 isoform X3 [Homo sapiens] | 0.40 | 17 | 1 | 1 | 6 | 0.998 | 2 | 4.7 | 1.130 | 2 | 0.3 | 53.73 | 0.40 | 3 | 6 | 1240 | 137.4 | 6.30 |
| 41393602 | complement C1s subcomponent precursor [Homo sapiens] | 36.19 | 1 | 18 | 18 | 103 | 0.998 | 38 | 9.3 | 1.339 | 36 | 18.7 | 3477.19 | 36.19 | 48 | 103 | 688 | 76.6 | 4.96 |
| 21361621 | phosphoglucomutase-1 isoform 1 [Homo sapiens] | 54.80 | 3 | 19 | 19 | 126 | 0.998 | 45 | 5.7 | 1.229 | 41 | 27.1 | 6311.32 | 54.80 | 57 | 126 | 562 | 61.4 | 6.76 |
| 32483361 | apoptotic protease-activating factor 1 isoform d [Homo sapiens] | 2.07 | 5 | 2 | 2 | 5 | 0.998 | 2 | 17.5 | 1.532 | 2 | 4.8 | 276.98 | 2.07 | 5 | 5 | 1205 | 137.0 | 6.44 |
| 530390121 | PREDICTED: tropomyosin beta chain isoform X4 [Homo sapiens] | 33.45 | 10 | 2 | 17 | 106 | 0.998 | 2 | 7.5 | 1.289 | 2 | 18.8 | 3511.87 | 33.45 | 43 | 106 | 284 | 32.8 | 4.70 |
| 646227326 | mediator of RNA polymerase II transcription subunit 15 isoform e [ | 1.62 | 5 | 1 | 1 | 3 | 0.998 | 3 | 2.8 | 1.428 | 3 | 24.4 | 41.81 | 1.62 | 1 | 3 | 677 | 75.9 | 9.29 |
| 21956645 | myotrophin [Homo sapiens] | 66.10 | 32 | 7 | 8 | 52 | 0.998 | 19 | 7.6 | 1.181 | 19 | 11.5 | 2154.14 | 66.10 | 23 | 52 | 118 | 12.9 | 5.52 |
| 4506005 | serine/threonine-protein phosphatase PP1-beta catalytic subunit iso | 28.13 | 4 | 2 | 7 | 50 | 0.998 | 5 | 4.3 | 1.179 | 5 | 7.6 | 1674.72 | 28.13 | 19 | 50 | 327 | 37.2 | 6.19 |
| 55956899 | keratin, type I cytoskeletal 9 [Homo sapiens] | 17.50 | 2 | 5 | 6 | 30 | 0.998 | 8 | 6.4 | 1.035 | 8 | 8.0 | 1529.83 | 17.50 | 18 | 30 | 623 | 62.0 | 5.24 |
| 189458817 | transferrin receptor protein 1 [Homo sapiens] | 3.03 | 1 | 2 | 2 | 6 | 0.998 | 2 | 0.6 | 1.536 | 2 | 36.7 | 248.26 | 3.03 | 6 | 6 | 760 | 84.8 | 6.61 |
| 4826762 | haptoglobin isoform 1 preproprotein [Homo sapiens] | 74.14 | 3 | 20 | 36 | 4278 | 0.998 | 929 | 11.1 | 1.308 | 862 | 36.0 | 154609.73 | 74.14 | 105 | 4278 | 406 | 45.2 | 6.58 |
| 4557581 | fatty acid-binding protein, epidermal [Homo sapiens] | 62.22 | 17 | 7 | 8 | 65 | 0.997 | 24 | 9.7 | 1.089 | 24 | 10.9 | 2321.01 | 62.22 | 22 | 65 | 135 | 15.2 | 7.01 |
| 4757766 | rho GTPase-activating protein 1 [Homo sapiens] | 27.79 | 1 | 8 | 8 | 34 | 0.997 | 12 | 6.9 | 1.335 | 12 | 15.9 | 1389.80 | 27.79 | 23 | 34 | 439 | 50.4 | 6.29 |
| 312176435 | stromal membrane-associated protein 2 isoform 4 [Homo sapiens] | 2.29 | 5 | 1 | 1 | 2 | 0.997 | 1 |  | 1.327 | 1 |  | 70.92 | 2.29 | 2 | 2 | 349 | 37.7 | 9.11 |
| 530387555 | PREDICTED: proline synthase co-transcribed bacterial homolog pro | 8.23 | 2 | 1 | 1 | 3 | 0.997 | 1 |  | 1.154 | 1 |  | 137.77 | 8.23 | 3 | 3 | 158 | 17.6 | 10.13 |
| 52546693 | olfactory receptor 51G1 [Homo sapiens] | 2.49 | 1 | 1 | 1 | 2 | 0.997 | 1 |  | 1.514 | 1 |  | 33.78 | 2.49 | 2 | 2 | 321 | 36.3 | 8.63 |
| 510025468 | cAMP-dependent protein kinase type I-alpha regulatory subunit iso | 28.61 | 2 | 7 | 7 | 31 | 0.997 | 12 | 7.2 | 1.101 | 12 | 19.3 | 1487.09 | 28.61 | 17 | 31 | 381 | 43.0 | 5.35 |
| 157168362 | purine nucleoside phosphorylase [Homo sapiens] | 60.21 | 1 | 15 | 15 | 131 | 0.997 | 50 | 6.5 | 1.132 | 50 | 13.8 | 5117.50 | 60.21 | 42 | 131 | 289 | 32.1 | 6.95 |
| 530388906 | PREDICTED: polyadenylate-binding protein 1 isoform X1 [Homo sa | 6.29 | 5 | 4 | 4 | 11 | 0.997 | 4 | 5.0 | 1.120 | 4 | 3.4 | 469.57 | 6.29 | 11 | 11 | 636 | 70.6 | 9.50 |
| 7657313 | U6 snRNA-associated Sm-like protein LSm1 [Homo sapiens] | 5.26 | 1 | 1 | 1 | 2 | 0.997 | 1 |  | 1.029 | 1 |  | 40.27 | 5.26 | 2 | 2 | 133 | 15.2 | 5.22 |
| 530405775 | PREDICTED: pro-interleukin-16 isoform X5 [Homo sapiens] | 6.97 | 7 | 4 | 4 | 9 | 0.997 | 4 | 1.1 | 1.074 | 4 | 5.4 | 377.50 | 6.97 | 9 | 9 | 631 | 66.6 | 5.97 |
| 157276599 | bactericidal permeability-increasing protein precursor [Homo sapier | 47.23 | 7 | 19 | 20 | 178 | 0.997 | 65 | 7.5 | 1.366 | 59 | 23.4 | 7630.54 | 47.23 | 54 | 178 | 487 | 53.9 | 9.38 |
| 530405979 | PREDICTED: pyruvate kinase PKM isoform X3 [Homo sapiens] | 82.11 | 38 | 4 | 49 | 946 | 0.997 | 38 | 8.8 | 1.179 | 38 | 16.6 | 42482.76 | 82.11 | 139 | 946 | 531 | 57.9 | 7.84 |
| 530395269 | PREDICTED: hemopexin isoform X1 [Homo sapiens] | 69.91 | 5 | 30 | 30 | 1318 | 0.997 | 516 | 7.3 | 1.253 | 507 | 24.8 | 51441.96 | 69.91 | 87 | 1318 | 462 | 51.6 | 7.02 |
| 11863154 | coatomer subunit delta isoform 1 [Homo sapiens] | 13.70 | 3 | 7 | 7 | 31 | 0.997 | 11 | 2.1 | 1.121 | 11 | 13.3 | 1371.29 | 13.70 | 20 | 31 | 511 | 57.2 | 6.21 |
| 21614544 | protein S100-A8 [Homo sapiens] | 100.00 | 8 | 22 | 23 | 3965 | 0.997 | 1499 | 8.8 | 1.200 | 1481 | 20.8 | 155887.78 | 100.00 | 67 | 3965 | 93 | 10.8 | 7.03 |
| 20357599 | histone H2A.V isoform 2 [Homo sapiens] | 48.25 | 7 | 2 | 4 | 31 | 0.997 | 4 | 11.4 | 0.951 | 3 | 40.3 | 969.66 | 48.25 | 12 | 31 | 114 | 12.1 | 10.46 |
| 108936950 | coiled-coil domain-containing protein 25 [Homo sapiens] | 4.33 | 1 | 1 | 1 | 1 | 0.997 | 1 |  | 1.037 | 1 |  | 29.14 | 4.33 | 1 | 1 | 208 | 24.5 | 6.80 |
| 6005764 | gamma-aminobutyric acid receptor-associated protein [Homo sapie | 19.66 | 3 | 2 | 2 | 8 | 0.997 | 4 | 6.9 | 1.054 | 4 | 11.4 | 203.00 | 19.66 | 5 | 8 | 117 | 13.9 | 8.79 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 520975489 | ran-specific GTPase-activating protein isoform 4 [Homo sapiens] | 22.67 | 6 | 2 | 2 | 9 | 0.997 | 3 | 1.0 | 1.150 | 3 | 1.8 | 532.36 | 22.67 | 6 | 9 | 150 | 17.5 | 8.24 |
| 217035154 | capZ-interacting protein [Homo sapiens] | 23.32 | 2 | 7 | 7 | 35 | 0.996 | 14 | 6.2 | 1.080 | 14 | 5.5 | 1165.10 | 23.32 | 20 | 35 | 416 | 44.5 | 5.40 |
| 530360793 | PREDICTED: serine/arginine repetitive matrix protein 1 isoform X6 | 0.68 | 7 | 1 | 1 | 11 | 0.996 | 4 | 4.1 | 1.393 | 4 | 24.3 | 212.75 | 0.68 | 3 | 11 | 888 | 100.2 | 11.77 |
| 4557485 | ceruloplasmin precursor [Homo sapiens] | 74.93 | 1 | 2 | 63 | 839 | 0.996 | 12 | 6.3 | 1.149 | 12 | 12.7 | 37861.31 | 74.93 | 178 | 839 | 1065 | 122.1 | 5.72 |
| 5174449 | histone H1x [Homo sapiens] | 28.17 | 1 | 7 | 7 | 35 | 0.996 | 13 | 6.1 | 1.352 | 13 | 26.0 | 1468.64 | 28.17 | 19 | 35 | 213 | 22.5 | 10.76 |
| 33457348 | UPF0556 protein C19orf10 precursor [Homo sapiens] | 5.20 | 1 | 1 | 1 | 3 | 0.996 | 1 |  | 1.193 | 1 |  | 130.28 | 5.20 | 3 | 3 | 173 | 18.8 | 6.68 |
| 578800866 | PREDICTED: gamma-interferon-inducible protein 16 isoform X2 [Ho | 3.69 | 4 | 2 | 2 | 5 | 0.996 | 2 | 1.8 | 1.467 | 2 | 49.6 | 185.54 | 3.69 | 5 | 5 | 677 | 76.3 | 9.38 |
| 530413446 | PREDICTED: THO complex subunit 4 isoform X1 [Homo sapiens] | 19.39 | 2 | 3 | 3 | 13 | 0.996 | 5 | 4.1 | 1.073 | 5 | 11.9 | 601.77 | 19.39 | 8 | 13 | 196 | 20.5 | 9.86 |
| 4506765 | protein S100-A4 [Homo sapiens] | 69.31 | 1 | 6 | 6 | 122 | 0.996 | 44 | 8.5 | 1.125 | 43 | 11.4 | 4756.62 | 69.31 | 18 | 122 | 101 | 11.7 | 6.11 |
| 205277396 | dynactin subunit 1 isoform 4 [Homo sapiens] | 3.78 | 6 | 3 | 3 | 9 | 0.996 | 3 | 4.9 | 1.138 | 3 | 8.2 | 502.17 | 3.78 | 9 | 9 | 1139 | 126.7 | 5.43 |
| 4505227 | myeloid cell nuclear differentiation antigen [Homo sapiens] | 77.89 | 59 | 36 | 37 | 551 | 0.996 | 194 | 7.4 | 1.174 | 194 | 13.4 | 23329.61 | 77.89 | 107 | 551 | 407 | 45.8 | 9.76 |
| 578813467 | PREDICTED: heterogeneous nuclear ribonucleoproteins A2/B1 isof | 38.66 | 11 | 9 | 14 | 120 | 0.996 | 32 | 5.5 | 1.138 | 32 | 10.0 | 4337.86 | 38.66 | 40 | 120 | 313 | 33.9 | 9.03 |
| 4503635 | prothrombin preproprotein [Homo sapiens] | 56.59 | 3 | 27 | 27 | 222 | 0.996 | 81 | 7.9 | 1.165 | 81 | 19.3 | 10424.14 | 56.59 | 77 | 222 | 622 | 70.0 | 5.90 |
| 187829742 | bcl-2-binding component 3 isoform 2 [Homo sapiens] | 5.34 | 2 | 1 | 1 | 2 | 0.996 | 1 |  | 1.271 | 1 |  | 27.87 | 5.34 | 2 | 2 | 131 | 14.5 | 7.84 |
| 4757768 | rho GDP-dissociation inhibitor 1 isoform a [Homo sapiens] | 46.08 | 2 | 9 | 10 | 73 | 0.995 | 26 | 6.6 | 1.188 | 26 | 14.1 | 2904.23 | 46.08 | 26 | 73 | 204 | 23.2 | 5.11 |
| 4885379 | histone H1.4 [Homo sapiens] | 47.03 | 3 | 3 | 15 | 336 | 0.995 | 14 | 3.6 | 1.107 | 14 | 7.4 | 14918.82 | 47.03 | 44 | 336 | 219 | 21.9 | 11.03 |
| 5454052 | 14-3-3 protein sigma [Homo sapiens] | 53.23 | 1 | 6 | 12 | 136 | 0.995 | 10 | 8.0 | 1.086 | 10 | 9.3 | 4063.89 | 53.23 | 34 | 136 | 248 | 27.8 | 4.74 |
| 4826898 | profilin-1 [Homo sapiens] | 75.00 | 4 | 12 | 12 | 738 | 0.995 | 270 | 8.8 | 1.139 | 268 | 14.2 | 33099.23 | 75.00 | 35 | 738 | 140 | 15.0 | 8.27 |
| 50592994 | thioredoxin isoform 1 [Homo sapiens] | 63.81 | 3 | 6 | 6 | 89 | 0.995 | 34 | 8.2 | 1.134 | 34 | 11.3 | 3886.29 | 63.81 | 18 | 89 | 105 | 11.7 | 4.92 |
| 530369184 | PREDICTED: interleukin-1 receptor antagonist protein isoform X1 [ | 18.18 | 4 | 2 | 2 | 7 | 0.995 | 3 | 4.4 | 1.137 | 3 | 5.1 | 435.12 | 18.18 | 4 | 7 | 143 | 16.1 | 4.88 |
| 578823793 | PREDICTED: nucleosome assembly protein 1-like 1 isoform X18 [H | 3.35 | 6 | 1 | 1 | 3 | 0.995 | 1 |  | 0.952 | 1 |  | 103.28 | 3.35 | 3 | 3 | 328 | 38.2 | 4.56 |
| 4506387 | UV excision repair protein RAD23 homolog B isoform 1 [Homo sapi | 19.80 | 41 | 6 | 8 | 26 | 0.995 | 7 | 7.6 | 1.223 | 7 | 8.3 | 979.35 | 19.80 | 23 | 26 | 409 | 43.1 | 4.84 |
| 4506695 | 40S ribosomal protein S19 [Homo sapiens] | 6.21 | 1 | 1 | 1 | 3 | 0.995 | 1 |  | 1.006 | 1 |  | 195.92 | 6.21 | 3 | 3 | 145 | 16.1 | 10.32 |
| 209969703 | protein RCC2 [Homo sapiens] | 4.98 | 1 | 3 | 3 | 8 | 0.995 | 3 | 4.5 | 1.304 | 3 | 3.2 | 165.23 | 4.98 | 8 | 8 | 522 | 56.0 | 8.78 |
| 108796653 | phosphoglycolate phosphatase [Homo sapiens] | 4.05 | 1 | 1 | 1 | 3 | 0.995 | 1 |  | 1.245 | 1 |  | 184.22 | 4.05 | 3 | 3 | 321 | 34.0 | 6.14 |
| 4503471 | elongation factor 1-alpha 1 [Homo sapiens] | 56.71 | 2 | 18 | 18 | 170 | 0.995 | 61 | 5.9 | 1.119 | 61 | 15.1 | 6662.46 | 56.71 | 51 | 170 | 462 | 50.1 | 9.01 |
| 530383466 | PREDICTED: forkhead box protein O3 isoform X1 [Homo sapiens] | 1.45 | 1 | 1 | 1 | 3 | 0.995 | 3 | 0.0 | 1.319 | 3 | 12.1 | 31.70 | 1.45 | 1 | 3 | 484 | 51.7 | 6.30 |
| 63162572 | T-complex protein 1 subunit gamma isoform a [Homo sapiens] | 21.83 | 2 | 10 | 10 | 30 | 0.995 | 11 | 4.8 | 1.148 | 11 | 9.3 | 1193.88 | 21.83 | 27 | 30 | 545 | 60.5 | 6.49 |
| 50845386 | annexin A2 isoform 2 [Homo sapiens] | 70.50 | 2 | 23 | 24 | 105 | 0.995 | 38 | 3.9 | 1.105 | 37 | 8.2 | 4447.47 | 70.50 | 66 | 105 | 339 | 38.6 | 7.75 |
| 223890219 | RNA-binding motif protein, X-linked-like-3 [Homo sapiens] | 2.16 | 2 | 1 | 2 | 7 | 0.995 | 1 |  | 1.359 | 1 |  | 325.53 | 2.16 | 4 | 7 | 1067 | 114.9 | 9.10 |
| 4885399 | structural maintenance of chromosomes protein 3 [Homo sapiens] | 1.81 | 1 | 2 | 2 | 10 | 0.995 | 4 | 6.3 | 1.156 | 4 | 25.2 | 358.51 | 1.81 | 6 | 10 | 1217 | 141.5 | 7.18 |
| 300244560 | cysteine-rich secretory protein 3 isoform 1 precursor [Homo sapien | 36.43 | 2 | 7 | 7 | 40 | 0.995 | 15 | 6.0 | 1.141 | 15 | 18.3 | 1092.23 | 36.43 | 19 | 40 | 258 | 29.0 | 7.80 |
| 258679498 | carbonic anhydrase 1 isoform a [Homo sapiens] | 82.76 | 3 | 13 | 13 | 449 | 0.995 | 160 | 10.4 | 1.086 | 160 | 8.6 | 23518.44 | 82.76 | 39 | 449 | 261 | 28.9 | 7.12 |
| 578814219 | PREDICTED: inosine-5'-monophosphate dehydrogenase 1 isoform | 3.05 | 16 | 1 | 1 | 5 | 0.995 | 2 | 0.3 | 1.083 | 2 | 0.2 | 283.22 | 3.05 | 3 | 5 | 393 | 42.6 | 9.33 |
| 4506179 | proteasome subunit alpha type-1 isoform 2 [Homo sapiens] | 52.85 | 3 | 12 | 12 | 58 | 0.995 | 24 | 7.6 | 1.140 | 24 | 12.0 | 2268.66 | 52.85 | 32 | 58 | 263 | 29.5 | 6.61 |
| 4826772 | insulin-like growth factor-binding protein complex acid labile subun | 13.72 | 2 | 7 | 7 | 22 | 0.995 | 8 | 4.8 | 1.178 | 8 | 7.8 | 586.17 | 13.72 | 20 | 22 | 605 | 66.0 | 6.79 |
| 194097330 | hexokinase-3 [Homo sapiens] | 45.72 | 1 | 27 | 29 | 161 | 0.995 | 53 | 4.9 | 1.161 | 51 | 15.3 | 7585.22 | 45.72 | 86 | 161 | 923 | 99.0 | 5.40 |
| 4503165 | cullin-3 isoform 1 [Homo sapiens] | 1.04 | 3 | 1 | 1 | 2 | 0.995 | 1 |  | 1.129 | 1 |  | 56.43 | 1.04 | 2 | 2 | 768 | 88.9 | 8.48 |
| 345197264 | tumor protein D54 isoform h [Homo sapiens] | 14.72 | 10 | 2 | 2 | 6 | 0.995 | 2 | 2.6 | 1.133 | 2 | 3.4 | 353.34 | 14.72 | 6 | 6 | 163 | 17.5 | 6.60 |
| 296179386 | clathrin light chain A isoform e [Homo sapiens] | 10.12 | 6 | 2 | 2 | 8 | 0.995 | 3 | 3.5 | 1.036 | 3 | 0.5 | 178.57 | 10.12 | 5 | 8 | 168 | 18.1 | 4.44 |
| 431822408 | heat shock protein HSP 90-beta isoform c [Homo sapiens] | 44.12 | 15 | 13 | 29 | 228 | 0.994 | 24 | 3.2 | 1.197 | 24 | 13.4 | 9905.24 | 44.12 | 81 | 228 | 714 | 82.3 | 5.06 |
| 540344555 | complement C2 isoform 5 [Homo sapiens] | 29.18 | 6 | 17 | 17 | 78 | 0.994 | 30 | 6.4 | 1.310 | 29 | 24.0 | 3013.97 | 29.18 | 50 | 78 | 723 | 80.1 | 7.46 |
| 187607300 | versican core protein isoform 2 precursor [Homo sapiens] | 6.26 | 4 | 3 | 3 | 12 | 0.994 | 4 | 2.4 | 1.196 | 4 | 4.1 | 420.07 | 6.26 | 9 | 12 | 655 | 74.2 | 7.37 |
| 11067747 | cell division cycle 5-like protein [Homo sapiens] | 1.75 | 12 | 1 | 2 | 4 | 0.994 | 1 |  | 1.113 | 1 |  | 63.93 | 1.75 | 4 | 4 | 802 | 92.2 | 8.18 |
| 4505047 | lumican precursor [Homo sapiens] | 43.20 | 1 | 13 | 13 | 94 | 0.994 | 34 | 5.3 | 1.157 | 34 | 6.2 | 3778.36 | 43.20 | 36 | 94 | 338 | 38.4 | 6.61 |
| 4507709 | GDP-L-fucose synthase [Homo sapiens] | 16.20 | 4 | 4 | 4 | 11 | 0.994 | 4 | 5.3 | 1.064 | 4 | 10.5 | 579.86 | 16.20 | 11 | 11 | 321 | 35.9 | 6.60 |
| 20149498 | ferritin light chain [Homo sapiens] | 49.71 | 1 | 8 | 8 | 40 | 0.994 | 15 | 9.4 | 1.090 | 15 | 6.2 | 1883.52 | 49.71 | 22 | 40 | 175 | 20.0 | 5.78 |
| 156523970 | alpha-2-HS-glycoprotein preproprotein [Homo sapiens] | 41.69 | 1 | 11 | 11 | 327 | 0.994 | 126 | 8.7 | 1.208 | 125 | 20.2 | 13803.55 | 41.69 | 31 | 327 | 367 | 39.3 | 5.72 |
| 578811443 | PREDICTED: dynein heavy chain 8, axonemal isoform X1 [Homo sa | 0.25 | 27 | 1 | 2 | 18 | 0.994 | 1 |  | 1.200 | 1 |  | 155.95 | 0.25 | 4 | 18 | 4707 | 538.3 | 6.13 |
| 315075311 | cathepsin S isoform 2 preproprotein [Homo sapiens] | 25.98 | 2 | 7 | 7 | 23 | 0.994 | 8 | 2.3 | 1.144 | 8 | 8.6 | 1032.39 | 25.98 | 20 | 23 | 281 | 31.6 | 8.28 |
| 19913424 | V-type proton ATPase catalytic subunit A [Homo sapiens] | 29.34 | 1 | 15 | 15 | 71 | 0.994 | 27 | 7.6 | 1.216 | 27 | 22.6 | 3108.26 | 29.34 | 44 | 71 | 617 | 68.3 | 5.52 |
| 578838337 | PREDICTED: bromodomain and WD repeat-containing protein 3 isc | 0.86 | 8 | 1 | 2 | 10 | 0.994 | 1 |  | 1.004 | 1 |  | 165.02 | 0.86 | 4 | 10 | 1398 | 158.4 | 7.31 |
| 4502027 | serum albumin preproprotein [Homo sapiens] | 94.25 | 13 | 101 | 101 | 26879 | 0.994 | 10343 | 8.4 | 1.258 | 10216 | 23.3 | 1120981.13 | 94.25 | 291 | 26879 | 609 | 69.3 | 6.28 |
| 11056044 | inorganic pyrophosphatase [Homo sapiens] | 23.18 | 1 | 4 | 4 | 16 | 0.994 | 6 | 2.8 | 1.152 | 6 | 13.9 | 747.69 | 23.18 | 11 | 16 | 289 | 32.6 | 5.86 |
| 52632383 | heterogeneous nuclear ribonucleoprotein L isoform a [Homo sapier | 27.50 | 6 | 8 | 8 | 38 | 0.994 | 16 | 13.3 | 1.190 | 15 | 18.0 | 1801.05 | 27.50 | 22 | 38 | 589 | 64.1 | 8.22 |
| 533112496 | janus kinase and microtubule-interacting protein 2 isoform 4 [Hom | 2.19 | 4 | 2 | 2 | 9 | 0.994 | 4 | 7.7 | 1.221 | 4 | 5.0 | 251.70 | 2.19 | 4 | 9 | 778 | 91.5 | 5.78 |
| 4506363 | ras-related protein Rab-13 isoform 1 [Homo sapiens] | 7.88 | 2 | 1 | 2 | 15 | 0.994 | 1 |  | 1.244 | 1 |  | 831.91 | 7.88 | 4 | 15 | 203 | 22.8 | 9.19 |
| 94538320 | hydroxyacylglutathione hydrolase, mitochondrial isoform 2 [Homo | 3.85 | 2 | 1 | 1 | 3 | 0.994 | 1 |  | 1.010 | 1 |  | 124.19 | 3.85 | 3 | 3 | 260 | 28.8 | 7.33 |
| 262263314 | cystatin-F precursor [Homo sapiens] | 4.83 | 1 | 1 | 1 | 9 | 0.994 | 3 | 3.1 | 1.573 | 3 | 9.6 | 273.94 | 4.83 | 3 | 9 | 145 | 16.4 | 8.48 |
| 530412093 | PREDICTED: interferon-induced 35 kDa protein isoform X1 [Homo | 22.73 | 2 | 7 | 7 | 21 | 0.994 | 8 | 4.8 | 1.217 | 8 | 25.7 | 704.69 | 22.73 | 18 | 21 | 286 | 31.5 | 6.09 |
| 11641247 | Golgi-associated plant pathogenesis-related protein 1 isoform a [Ho | 31.82 | 5 | 4 | 4 | 23 | 0.994 | 8 | 4.3 | 1.183 | 8 | 22.7 | 1442.67 | 31.82 | 12 | 23 | 154 | 17.2 | 9.41 |
| 530418509 | PREDICTED: eukaryotic translation initiation factor 2 subunit 2 isof | 17.20 | 2 | 4 | 4 | 12 | 0.994 | 4 | 8.6 | 1.092 | 4 | 7.4 | 593.72 | 17.20 | 12 | 12 | 314 | 36.2 | 5.48 |
| 577019457 | pterin-4-alpha-carbinolamine dehydratase isoform 3 [Homo sapien | 29.09 | 2 | 1 | 1 | 3 | 0.994 | 1 |  | 0.964 | 1 |  | 132.87 | 29.09 | 3 | 3 | 55 | 6.3 | 6.09 |
| 11559929 | coatomer subunit gamma-1 [Homo sapiens] | 1.26 | 1 | 1 | 1 | 2 | 0.994 | 1 |  | 0.908 | 1 |  | 106.80 | 1.26 | 2 | 2 | 874 | 97.7 | 5.47 |
| 5902072 | serpin B3 [Homo sapiens] | 22.31 | 2 | 8 | 8 | 27 | 0.994 | 10 | 7.4 | 1.091 | 10 | 4.0 | 1085.04 | 22.31 | 23 | 27 | 390 | 44.5 | 6.81 |
| 4758112 | spliceosome RNA helicase DDX39B [Homo sapiens] | 17.52 | 3 | 7 | 7 | 37 | 0.994 | 13 | 6.3 | 1.195 | 13 | 14.5 | 1063.32 | 17.52 | 19 | 37 | 428 | 49.0 | 5.67 |
| 150170699 | kinesin-like protein KIF26A [Homo sapiens] | 0.74 | 1 | 2 | 2 | 8 | 0.993 | 3 | 0.6 | 1.303 | 3 | 21.4 | 105.98 | 0.74 | 6 | 8 | 1882 | 194.5 | 8.81 |
| 4504981 | galectin-1 [Homo sapiens] | 35.56 | 1 | 5 | 5 | 26 | 0.993 | 9 | 9.8 | 1.143 | 9 | 4.2 | 857.61 | 35.56 | 14 | 26 | 135 | 14.7 | 5.50 |
| 18379349 | synaptic vesicle membrane protein VAT-1 homolog [Homo sapiens] | 57.00 | 1 | 13 | 13 | 109 | 0.993 | 41 | 8.7 | 1.261 | 38 | 26.5 | 6510.54 | 57.00 | 39 | 109 | 393 | 41.9 | 6.29 |
| 4557759 | myeloperoxidase precursor [Homo sapiens] | 57.45 | 2 | 43 | 44 | 669 | 0.993 | 249 | 7.3 | 1.162 | 249 | 13.6 | 28686.78 | 57.45 | 125 | 669 | 745 | 83.8 | 8.97 |
| 4505621 | phosphatidylethanolamine-binding protein 1 preproprotein [Homo | 72.19 | 1 | 9 | 9 | 48 | 0.993 | 18 | 9.8 | 1.193 | 18 | 11.9 | 1956.53 | 72.19 | 25 | 48 | 187 | 21.0 | 7.53 |
| 4505881 | plasminogen isoform 1 precursor [Homo sapiens] | 59.01 | 6 | 41 | 41 | 381 | 0.993 | 137 | 6.8 | 1.171 | 137 | 16.4 | 16572.97 | 59.01 | 110 | 381 | 810 | 90.5 | 7.24 |
| 566006166 | doublecortin domain-containing protein 2C [Homo sapiens] | 1.37 | 3 | 1 | 1 | 1 | 0.993 | 1 |  | 1.371 | 1 |  | 32.65 | 1.37 | 1 | 1 | 364 | 41.6 | 9.23 |
| 530365026 | PREDICTED: proline-rich protein PRCC isoform X2 [Homo sapiens] | 1.96 | 3 | 1 | 1 | 1 | 0.993 | 1 |  | 1.089 | 1 |  | 28.83 | 1.96 | 1 | 1 | 459 | 48.9 | 5.50 |
| 33239451 | proliferating cell nuclear antigen [Homo sapiens] | 2.68 | 1 | 1 | 1 | 3 | 0.993 | 1 |  | 1.208 | 1 |  | 120.99 | 2.68 | 3 | 3 | 261 | 28.8 | 4.69 |
| 9845511 | ras-related C3 botulinum toxin substrate 1 isoform Rac1 [Homo sa | 43.23 | 8 | 2 | 7 | 45 | 0.993 | 4 | 3.4 | 1.166 | 3 | 0.9 | 2029.27 | 43.23 | 16 | 45 | 192 | 21.4 | 8.50 |
| 54607120 | lactotransferrin isoform 1 precursor [Homo sapiens] | 86.90 | 26 | 60 | 61 | 2676 | 0.993 | 972 | 8.2 | 1.167 | 961 | 15.9 | 123301.21 | 86.90 | 180 | 2676 | 710 | 78.1 | 8.12 |
| 344179112 | scavenger receptor cysteine-rich type 1 protein M130 isoform b pre | 0.71 | 4 | 1 | 1 | 3 | 0.993 | 1 |  | 1.079 | 1 |  | 62.65 | 0.71 | 3 | 3 | 1121 | 121.5 | 6.11 |
| 38202255 | threonine--tRNA ligase, cytoplasmic isoform 1 [Homo sapiens] | 4.15 | 2 | 2 | 2 | 6 | 0.993 | 2 | 6.2 | 1.257 | 2 | 1.1 | 243.63 | 4.15 | 6 | 6 | 723 | 83.4 | 6.67 |
| 578812358 | PREDICTED: activating signal cointegrator 1 complex subunit 3 iso | 0.27 | 2 | 1 | 1 | 101 | 0.993 | 38 | 3.6 | 1.238 | 38 | 13.8 | 1244.86 | 0.27 | 3 | 101 | 1866 | 213.1 | 7.53 |
| 578838657 | PREDICTED: septin-6 isoform X3 [Homo sapiens] | 14.05 | 18 | 4 | 5 | 21 | 0.993 | 5 | 6.6 | 1.202 | 5 | 3.2 | 723.13 | 14.05 | 15 | 21 | 427 | 48.8 | 6.81 |
| 112789550 | poly [ADP-ribose] polymerase 4 [Homo sapiens] | 0.75 | 1 | 1 | 2 | 10 | 0.993 | 1 |  | 0.892 | 1 |  | 127.28 | 0.75 | 5 | 10 | 1724 | 192.5 | 5.66 |
| 530380590 | PREDICTED: prefoldin subunit 1 isoform X1 [Homo sapiens] | 9.57 | 2 | 1 | 1 | 3 | 0.993 | 1 |  | 1.338 | 1 |  | 123.90 | 9.57 | 3 | 3 | 115 | 13.2 | 6.32 |
| 162287326 | tyrosine-protein kinase Lyn isoform B [Homo sapiens] | 14.46 | 99 | 4 | 7 | 31 | 0.993 | 5 | 4.3 | 1.078 | 5 | 13.5 | 1007.93 | 14.46 | 21 | 31 | 491 | 56.0 | 6.49 |
| 195539395 | 26S protease regulatory subunit 10B [Homo sapiens] | 3.47 | 1 | 1 | 1 | 3 | 0.993 | 1 |  | 0.979 | 1 |  | 188.83 | 3.47 | 3 | 3 | 403 | 45.8 | 7.78 |
| 7657532 | protein S100-A6 [Homo sapiens] | 61.11 | 1 | 9 | 9 | 83 | 0.993 | 38 | 10.0 | 1.220 | 36 | 16.0 | 2140.56 | 61.11 | 24 | 83 | 90 | 10.2 | 5.48 |
| 10835049 | transforming protein RhoA precursor [Homo sapiens] | 73.06 | 3 | 11 | 11 | 64 | 0.992 | 25 | 11.8 | 1.157 | 25 | 25.8 | 2665.88 | 73.06 | 28 | 64 | 193 | 21.8 | 6.10 |
| 530375762 | PREDICTED: carboxypeptidase N subunit 2 isoform X1 [Homo sapi | 29.36 | 1 | 10 | 10 | 58 | 0.992 | 21 | 6.5 | 1.211 | 20 | 23.7 | 2160.87 | 29.36 | 28 | 58 | 545 | 60.5 | 5.99 |
| 5453599 | F-actin-capping protein subunit alpha-2 [Homo sapiens] | 54.90 | 3 | 7 | 10 | 120 | 0.992 | 13 | 10.6 | 1.193 | 13 | 16.9 | 5527.77 | 54.90 | 29 | 120 | 286 | 32.9 | 5.85 |
| 50659080 | alpha-1-antichymotrypsin precursor [Homo sapiens] | 46.34 | 6 | 20 | 20 | 167 | 0.992 | 61 | 6.6 | 1.109 | 61 | 8.2 | 7394.43 | 46.34 | 57 | 167 | 423 | 47.6 | 5.52 |
| 7657315 | U6 snRNA-associated Sm-like protein LSm3 [Homo sapiens] | 19.61 | 1 | 2 | 2 | 8 | 0.992 | 3 | 3.6 | 1.231 | 3 | 10.0 | 329.11 | 19.61 | 5 | 8 | 102 | 11.8 | 4.70 |
| 14591909 | 60S ribosomal protein L5 [Homo sapiens] | 16.84 | 1 | 4 | 4 | 11 | 0.992 | 4 | 3.6 | 1.290 | 4 | 21.4 | 269.00 | 16.84 | 11 | 11 | 297 | 34.3 | 9.72 |
| 33350932 | cytoplasmic dynein 1 heavy chain 1 [Homo sapiens] | 0.90 | 1 | 2 | 3 | 24 | 0.992 | 3 | 3.1 | 1.160 | 3 | 6.6 | 668.70 | 0.90 | 9 | 24 | 4646 | 532.1 | 6.40 |
| 24234756 | interleukin enhancer-binding factor 3 isoform c [Homo sapiens] | 13.91 | 10 | 7 | 7 | 24 | 0.992 | 8 | 5.0 | 1.218 | 8 | 8.7 | 1200.74 | 13.91 | 17 | 24 | 690 | 74.6 | 8.24 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7661862 | protein phosphatase 1F [Homo sapiens] | 2.64 | 1 | 1 | 1 | 15 | 0.992 | 5 | 2.3 | 1.094 | 5 | 9.3 | 623.72 | 2.64 | 3 | 15 | 454 | 49.8 | 5.10 |
| 195976754 | dysferlin isoform 9 [Homo sapiens] | 0.73 | 16 | 1 | 1 | 6 | 0.992 | 2 | 1.2 | 1.043 | 2 | 21.8 | 266.34 | 0.73 | 3 | 6 | 2066 | 235.8 | 5.67 |
| 578813682 | PREDICTED: caspase recruitment domain-containing protein 11 iso | 0.94 | 4 | 1 | 1 | 2 | 0.992 | 1 |  |  |  |  | 33.71 | 0.94 | 2 | 2 | 854 | 98.6 | 5.50 |
| 578846043 | PREDICTED: uncharacterized protein LOC102725101 [Homo sapier | 7.52 | 2 | 1 | 3 | 202 | 0.992 | 9 | 3.9 | 1.356 | 9 | 7.8 | 5642.45 | 7.52 | 9 | 202 | 359 | 39.1 | 8.47 |
| 5453710 | LIM and SH3 domain protein 1 isoform a [Homo sapiens] | 32.95 | 5 | 9 | 9 | 40 | 0.992 | 17 | 4.4 | 1.140 | 17 | 7.0 | 1230.88 | 32.95 | 20 | 40 | 261 | 29.7 | 7.05 |
| 315434251 | voltage-gated potassium channel subunit beta-2 isoform 4 [Homo s | 30.33 | 12 | 7 | 7 | 20 | 0.992 | 9 | 4.9 | 1.094 | 9 | 7.3 | 627.20 | 30.33 | 15 | 20 | 300 | 33.6 | 8.35 |
| 62739186 | complement factor H isoform a precursor [Homo sapiens] | 57.51 | 5 | 54 | 60 | 853 | 0.992 | 291 | 8.3 | 1.250 | 289 | 18.5 | 34483.01 | 57.51 | 171 | 853 | 1231 | 139.0 | 6.62 |
| 40254823 | phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1 isoform b | 5.30 | 2 | 4 | 4 | 11 | 0.992 | 4 | 5.8 | 1.241 | 4 | 13.4 | 440.71 | 5.30 | 11 | 11 | 1188 | 133.1 | 7.59 |
| 13129110 | methylosome protein 50 [Homo sapiens] | 4.39 | 1 | 1 | 1 | 3 | 0.991 | 1 |  | 1.198 | 1 |  | 186.44 | 4.39 | 3 | 3 | 342 | 36.7 | 5.17 |
| 530380257 | PREDICTED: core histone macro-H2A.1 isoform X3 [Homo sapiens] | 36.96 | 6 | 11 | 11 | 75 | 0.991 | 27 | 7.8 | 1.246 | 27 | 21.5 | 3605.72 | 36.96 | 32 | 75 | 368 | 39.0 | 9.80 |
| 45580688 | complement component C7 precursor [Homo sapiens] | 46.62 | 1 | 25 | 25 | 143 | 0.991 | 52 | 7.3 | 1.164 | 52 | 26.6 | 6566.60 | 46.62 | 74 | 143 | 843 | 93.5 | 6.48 |
| 530397289 | PREDICTED: neuroblast differentiation-associated protein AHNAK is | 7.41 | 9 | 7 | 7 | 17 | 0.991 | 6 | 5.4 | 1.073 | 6 | 10.0 | 552.69 | 7.41 | 15 | 17 | 5438 | 580.3 | 6.14 |
| 45243507 | eosinophil cationic protein precursor [Homo sapiens] | 46.25 | 1 | 8 | 8 | 80 | 0.991 | 31 | 4.4 | 1.208 | 31 | 12.2 | 3181.19 | 46.25 | 23 | 80 | 160 | 18.4 | 10.02 |
| 578808568 | PREDICTED: NEDD4-binding protein 2 isoform X2 [Homo sapiens] | 0.65 | 14 | 2 | 2 | 22 | 0.991 | 9 | 5.9 | 1.331 | 9 | 24.3 | 287.90 | 0.65 | 6 | 22 | 1690 | 189.7 | 5.25 |
| 89191868 | von Willebrand factor preproprotein [Homo sapiens] | 1.74 | 1 | 3 | 4 | 14 | 0.991 | 4 | 3.1 | 1.073 | 3 | 3.6 | 370.95 | 1.74 | 11 | 14 | 2813 | 309.1 | 5.49 |
| 4506663 | 60S ribosomal protein L8 [Homo sapiens] | 4.28 | 1 | 1 | 1 | 3 | 0.991 | 1 |  | 1.053 | 1 |  | 104.16 | 4.28 | 3 | 3 | 257 | 28.0 | 11.03 |
| 4557323 | apolipoprotein C-III precursor [Homo sapiens] | 34.34 | 1 | 3 | 3 | 26 | 0.991 | 9 | 2.1 | 1.261 | 9 | 17.5 | 1531.35 | 34.34 | 9 | 26 | 99 | 10.8 | 5.41 |
| 530369465 | PREDICTED: solute carrier family 35 member F5 isoform X2 [Homo | 0.97 | 3 | 1 | 1 | 9 | 0.991 | 3 | 1.6 | 1.179 | 3 | 17.7 | 145.14 | 0.97 | 3 | 9 | 515 | 58.1 | 9.50 |
| 4503529 | eukaryotic initiation factor 4A-I isoform 1 [Homo sapiens] | 22.91 | 5 | 9 | 10 | 43 | 0.991 | 14 | 2.5 | 1.091 | 14 | 8.2 | 1378.23 | 22.91 | 28 | 43 | 406 | 46.1 | 5.48 |
| 530381201 | PREDICTED: docking protein 3 isoform X5 [Homo sapiens] | 8.18 | 5 | 2 | 2 | 6 | 0.991 | 2 | 1.6 | 1.329 | 2 | 15.7 | 319.82 | 8.18 | 6 | 6 | 330 | 35.7 | 8.60 |
| 4826760 | heterogeneous nuclear ribonucleoprotein F [Homo sapiens] | 21.45 | 3 | 4 | 6 | 29 | 0.991 | 7 | 3.8 | 1.124 | 7 | 15.5 | 1116.37 | 21.45 | 16 | 29 | 415 | 45.6 | 5.58 |
| 25777615 | 26S proteasome non-ATPase regulatory subunit 7 [Homo sapiens] | 7.41 | 1 | 1 | 1 | 6 | 0.991 | 2 | 17.4 | 1.361 | 2 | 2.2 | 548.66 | 7.41 | 3 | 6 | 324 | 37.0 | 6.77 |
| 156231037 | kininogen-1 isoform 1 precursor [Homo sapiens] | 38.82 | 1 | 3 | 30 | 337 | 0.991 | 5 | 2.6 | 1.198 | 5 | 20.1 | 14965.49 | 38.82 | 82 | 337 | 644 | 71.9 | 6.81 |
| 15431288 | 60S ribosomal protein L10a [Homo sapiens] | 10.14 | 1 | 2 | 2 | 6 | 0.991 | 2 | 3.5 | 0.939 | 2 | 39.0 | 146.92 | 10.14 | 6 | 6 | 217 | 24.8 | 9.94 |
| 21264355 | SWI/SNF-related matrix-associated actin-dependent regulator of ch | 2.43 | 1 | 1 | 1 | 2 | 0.991 | 1 |  | 1.232 | 1 |  | 85.19 | 2.43 | 2 | 2 | 411 | 46.6 | 4.88 |
| 578828247 | PREDICTED: SUMO-conjugating enzyme UBC9 isoform X4 [Homo s | 6.96 | 2 | 2 | 2 | 7 | 0.991 | 3 | 0.1 | 1.199 | 3 | 3.3 | 253.50 | 6.96 | 4 | 7 | 158 | 18.0 | 8.66 |
| 98986457 | host cell factor 1 [Homo sapiens] | 0.54 | 4 | 1 | 1 | 3 | 0.991 | 1 |  | 1.211 | 1 |  | 111.19 | 0.54 | 3 | 3 | 2035 | 208.6 | 7.46 |
| 5174663 | protein S100-P [Homo sapiens] | 86.32 | 1 | 8 | 8 | 130 | 0.990 | 48 | 10.1 | 1.218 | 46 | 22.4 | 8587.20 | 86.32 | 22 | 130 | 95 | 10.4 | 4.88 |
| 4885381 | histone H1.5 [Homo sapiens] | 43.81 | 1 | 11 | 16 | 294 | 0.990 | 75 | 9.0 | 1.186 | 75 | 15.1 | 12374.37 | 43.81 | 47 | 294 | 226 | 22.6 | 10.92 |
| 169636428 | calicin [Homo sapiens] | 1.36 | 1 | 1 | 1 | 4 | 0.990 | 2 | 3.0 | 2.029 | 2 | 44.4 | 76.03 | 1.36 | 3 | 4 | 588 | 66.5 | 8.18 |
| 586798140 | bridging integrator 2 isoform 2 [Homo sapiens] | 21.71 | 6 | 8 | 8 | 46 | 0.990 | 16 | 6.9 | 0.975 | 16 | 15.5 | 2055.32 | 21.71 | 23 | 46 | 539 | 59.2 | 5.00 |
| 158138507 | mitogen-activated protein kinase 3 isoform 3 [Homo sapiens] | 17.01 | 21 | 1 | 4 | 14 | 0.990 | 1 |  | 1.352 | 1 |  | 574.71 | 17.01 | 9 | 14 | 335 | 38.3 | 6.20 |
| 530373067 | PREDICTED: tetranectin isoform X1 [Homo sapiens] | 41.88 | 2 | 5 | 5 | 16 | 0.990 | 6 | 4.5 | 1.162 | 6 | 11.8 | 887.96 | 41.88 | 13 | 16 | 160 | 17.8 | 5.05 |
| 157502193 | 26S proteasome non-ATPase regulatory subunit 13 isoform 1 [Hom | 2.13 | 2 | 1 | 1 | 3 | 0.990 | 1 |  | 1.021 | 1 |  | 90.93 | 2.13 | 3 | 3 | 376 | 42.9 | 5.81 |
| 289547631 | leukocyte immunoglobulin-like receptor subfamily A member 3 isof | 24.37 | 78 | 7 | 7 | 35 | 0.990 | 11 | 5.1 | 1.155 | 11 | 45.6 | 1457.34 | 24.37 | 20 | 35 | 439 | 47.4 | 8.09 |
| 193083114 | poly(rC)-binding protein 2 isoform g [Homo sapiens] | 11.95 | 11 | 1 | 4 | 15 | 0.990 | 1 |  | 1.231 | 1 |  | 263.44 | 11.95 | 9 | 15 | 318 | 33.5 | 8.24 |
| 578810779 | PREDICTED: ras GTPase-activating protein-binding protein 1 isofor | 4.94 | 1 | 1 | 1 | 3 | 0.990 | 2 | 4.7 | 1.090 | 2 | 23.1 | 177.31 | 4.94 | 2 | 3 | 466 | 52.1 | 5.52 |
| 530426780 | PREDICTED: TNF receptor-associated factor 2 isoform X2 [Homo sa | 2.81 | 3 | 2 | 2 | 11 | 0.990 | 4 | 3.0 | 1.082 | 4 | 5.4 | 175.70 | 2.81 | 6 | 11 | 533 | 59.1 | 7.52 |
| 578819493 | PREDICTED: antigen KI-67 isoform X1 [Homo sapiens] | 0.29 | 3 | 1 | 1 | 2 | 0.990 | 1 |  | 1.388 | 1 |  | 31.07 | 0.29 | 2 | 2 | 2406 | 264.8 | 9.38 |
| 19482158 | desert hedgehog protein preproprotein [Homo sapiens] | 1.26 | 1 | 1 | 1 | 2 | 0.990 | 2 | 11.8 | 1.317 | 2 | 9.8 | 16.49 | 1.26 | 1 | 2 | 396 | 43.5 | 9.28 |
| 530402464 | PREDICTED: M-phase phosphoprotein 8 isoform X2 [Homo sapiens | 1.01 | 3 | 1 | 1 | 3 | 0.990 | 1 |  | 1.127 | 1 |  | 83.64 | 1.01 | 3 | 3 | 597 | 68.4 | 5.54 |
| 6912286 | caspase-14 precursor [Homo sapiens] | 12.81 | 1 | 3 | 3 | 9 | 0.990 | 3 | 16.9 | 1.107 | 3 | 1.0 | 383.10 | 12.81 | 9 | 9 | 242 | 27.7 | 5.58 |
| 5729850 | guanine nucleotide-binding protein G(k) subunit alpha [Homo sapie | 13.28 | 13 | 1 | 4 | 20 | 0.990 | 1 |  | 0.978 | 1 |  | 904.43 | 13.28 | 12 | 20 | 354 | 40.5 | 5.69 |
| 530389385 | PREDICTED: copine-3 isoform X1 [Homo sapiens] | 44.69 | 17 | 15 | 16 | 97 | 0.990 | 28 | 5.3 | 1.204 | 28 | 21.2 | 4296.38 | 44.69 | 41 | 97 | 537 | 60.1 | 5.85 |
| 4826902 | serpin B10 [Homo sapiens] | 63.73 | 1 | 20 | 20 | 103 | 0.990 | 37 | 5.5 | 1.115 | 37 | 19.2 | 4399.44 | 63.73 | 56 | 103 | 397 | 45.4 | 6.16 |
| 73858570 | plasma protease C1 inhibitor precursor [Homo sapiens] | 40.60 | 5 | 20 | 20 | 281 | 0.990 | 103 | 5.5 | 1.213 | 101 | 18.8 | 10921.85 | 40.60 | 58 | 281 | 500 | 55.1 | 6.55 |
| 88702793 | vasorin precursor [Homo sapiens] | 2.38 | 1 | 1 | 1 | 3 | 0.990 | 1 |  | 0.952 | 1 |  | 240.79 | 2.38 | 3 | 3 | 673 | 71.7 | 7.39 |
| 530424154 | PREDICTED: zinc finger protein 319 isoform X1 [Homo sapiens] | 1.03 | 1 | 1 | 1 | 23 | 0.990 | 9 | 2.8 | 1.806 | 8 | 78.7 | 237.82 | 1.03 | 3 | 23 | 582 | 65.5 | 8.37 |
| 73858564 | corticosteroid-binding globulin precursor [Homo sapiens] | 34.32 | 1 | 10 | 10 | 57 | 0.990 | 21 | 7.5 | 1.209 | 21 | 15.5 | 2610.70 | 34.32 | 28 | 57 | 405 | 45.1 | 6.04 |
| 118601081 | heterogeneous nuclear ribonucleoprotein U-like protein 2 [Homo sa | 19.28 | 8 | 11 | 11 | 39 | 0.990 | 10 | 6.0 | 1.082 | 10 | 15.3 | 1262.82 | 19.28 | 30 | 39 | 747 | 85.1 | 4.91 |
| 530415598 | PREDICTED: heterogeneous nuclear ribonucleoprotein U-like protei | 6.61 | 7 | 4 | 5 | 10 | 0.989 | 4 | 3.5 | 1.136 | 4 | 13.9 | 392.22 | 6.61 | 10 | 10 | 756 | 84.7 | 8.78 |
| 37594464 | ADP-sugar pyrophosphatase [Homo sapiens] | 4.11 | 1 | 1 | 1 | 3 | 0.989 | 1 |  | 1.008 | 1 |  | 129.49 | 4.11 | 3 | 3 | 219 | 24.3 | 4.94 |
| 22209001 | tigger transposable element-derived protein 1 [Homo sapiens] | 0.85 | 1 | 1 | 1 | 1 | 0.989 | 1 |  | 1.274 | 1 |  | 24.60 | 0.85 | 1 | 1 | 591 | 67.3 | 8.46 |
| 343887374 | glutaredoxin-1 [Homo sapiens] | 74.53 | 3 | 5 | 5 | 55 | 0.989 | 20 | 13.2 | 1.189 | 19 | 12.4 | 3201.17 | 74.53 | 15 | 55 | 106 | 11.8 | 8.09 |
| 22208975 | high mobility group protein HMG-I/HMG-Y isoform b [Homo sapien | 37.50 | 1 | 1 | 3 | 10 | 0.989 | 2 | 1.4 | 1.136 | 2 | 9.8 | 163.15 | 37.50 | 7 | 10 | 96 | 10.7 | 10.32 |
| 547234776 | RRP12-like protein isoform 3 [Homo sapiens] | 0.58 | 3 | 1 | 1 | 118 | 0.989 | 62 | 7.6 | 1.415 | 61 | 31.6 | 1147.47 | 0.58 | 3 | 118 | 1197 | 132.6 | 8.68 |
| 7661878 | kinesin-like protein KIF14 [Homo sapiens] | 0.55 | 1 | 1 | 1 | 6 | 0.989 | 2 | 3.3 | 1.809 | 2 | 24.5 | 95.05 | 0.55 | 3 | 6 | 1648 | 186.4 | 7.91 |
| 161169015 | neuron navigator 2 isoform 3 [Homo sapiens] | 0.30 | 7 | 1 | 1 | 1 | 0.989 | 1 |  | 1.200 | 1 |  | 22.26 | 0.30 | 1 | 1 | 2365 | 254.8 | 8.94 |
| 395132436 | 60S ribosomal protein L18 isoform 2 [Homo sapiens] | 8.18 | 2 | 1 | 1 | 2 | 0.989 | 1 |  | 1.261 | 1 |  | 137.33 | 8.18 | 2 | 2 | 159 | 18.1 | 11.84 |
| 324021743 | vitamin D-binding protein isoform 1 precursor [Homo sapiens] | 79.75 | 5 | 35 | 37 | 705 | 0.989 | 249 | 8.3 | 1.214 | 248 | 20.4 | 28821.92 | 79.75 | 106 | 705 | 474 | 52.9 | 5.45 |
| 224028248 | non-POU domain-containing octamer-binding protein isoform 2 [Ho | 11.78 | 2 | 2 | 3 | 17 | 0.989 | 5 | 5.9 | 1.143 | 5 | 8.7 | 925.38 | 11.78 | 8 | 17 | 382 | 43.8 | 8.63 |
| 4503143 | cathepsin D preproprotein [Homo sapiens] | 20.63 | 1 | 7 | 7 | 31 | 0.989 | 12 | 9.4 | 1.151 | 12 | 13.7 | 1345.00 | 20.63 | 17 | 31 | 412 | 44.5 | 6.54 |
| 495528154 | collagen alpha-1(V) chain isoform 2 preproprotein [Homo sapiens] | 1.74 | 2 | 2 | 2 | 5 | 0.989 | 2 | 11.8 | 1.204 | 2 | 13.8 | 337.33 | 1.74 | 5 | 5 | 1838 | 183.5 | 5.07 |
| 13569962 | ras-related protein Rab-1B [Homo sapiens] | 45.77 | 23 | 5 | 8 | 54 | 0.989 | 13 | 11.9 | 1.163 | 13 | 11.5 | 2664.36 | 45.77 | 24 | 54 | 201 | 22.2 | 5.73 |
| 4504489 | histidine-rich glycoprotein precursor [Homo sapiens] | 35.05 | 7 | 15 | 16 | 198 | 0.989 | 73 | 7.1 | 1.215 | 72 | 17.4 | 6920.55 | 35.05 | 47 | 198 | 525 | 59.5 | 7.50 |
| 530417632 | PREDICTED: glia maturation factor gamma isoform X1 [Homo sapi | 60.40 | 6 | 3 | 5 | 59 | 0.989 | 14 | 6.4 | 1.135 | 14 | 8.9 | 2258.87 | 60.40 | 15 | 59 | 101 | 12.0 | 5.03 |
| 221316614 | extracellular matrix protein 1 isoform 1 precursor [Homo sapiens] | 10.74 | 3 | 4 | 4 | 15 | 0.988 | 5 | 1.4 | 1.102 | 4 | 16.1 | 687.27 | 10.74 | 12 | 15 | 540 | 60.6 | 6.71 |
| 530356822 | PREDICTED: uncharacterized protein LOC101929393 [Homo sapier | 3.24 | 2 | 1 | 1 | 13 | 0.988 | 7 | 11.5 | **3.112** | 6 | 60.8 | 118.07 | 3.24 | 2 | 13 | 185 | 20.3 | 8.87 |
| 110735433 | CD177 antigen precursor [Homo sapiens] | 6.41 | 1 | 3 | 3 | 14 | 0.988 | 5 | 2.0 | 1.343 | 5 | 18.5 | 366.05 | 6.41 | 8 | 14 | 437 | 46.4 | 6.01 |
| 54112121 | splicing factor 3B subunit 3 [Homo sapiens] | 3.70 | 1 | 4 | 4 | 11 | 0.988 | 4 | 8.2 | 1.206 | 4 | 22.0 | 478.23 | 3.70 | 11 | 11 | 1217 | 135.5 | 5.26 |
| 557357765 | SAM domain-containing protein SAMSN-1 isoform 3 [Homo sapiens | 5.26 | 7 | 1 | 1 | 3 | 0.988 | 1 |  | 1.363 | 1 |  | 134.86 | 5.26 | 3 | 3 | 304 | 34.2 | 4.97 |
| 4504349 | hemoglobin subunit beta [Homo sapiens] | 95.24 | 1 | 10 | 17 | 4519 | 0.988 | 904 | 10.4 | 1.075 | 904 | 8.6 | 224584.70 | 95.24 | 51 | 4519 | 147 | 16.0 | 7.28 |
| 304571975 | L-xylulose reductase isoform 2 [Homo sapiens] | 4.96 | 2 | 1 | 1 | 6 | 0.988 | 2 | 0.9 | 1.130 | 2 | 7.3 | 270.45 | 4.96 | 3 | 6 | 242 | 25.7 | 8.10 |
| 154355000 | far upstream element-binding protein 2 [Homo sapiens] | 1.27 | 2 | 1 | 1 | 3 | 0.988 | 1 |  | 1.157 | 1 |  | 95.26 | 1.27 | 3 | 3 | 711 | 73.1 | 7.30 |
| 23308577 | D-3-phosphoglycerate dehydrogenase [Homo sapiens] | 3.75 | 1 | 2 | 2 | 6 | 0.988 | 2 | 3.5 | 1.435 | 2 | 9.3 | 161.53 | 3.75 | 6 | 6 | 533 | 56.6 | 6.71 |
| 527317371 | structural maintenance of chromosomes protein 1A isoform 2 [Hom | 5.86 | 2 | 6 | 6 | 18 | 0.988 | 6 | 4.4 | 1.127 | 6 | 7.8 | 695.88 | 5.86 | 15 | 18 | 1211 | 140.8 | 7.40 |
| 5174731 | translin-associated protein X [Homo sapiens] | 32.07 | 1 | 6 | 6 | 19 | 0.988 | 7 | 8.6 | 1.151 | 7 | 8.9 | 1185.20 | 32.07 | 16 | 19 | 290 | 33.1 | 6.55 |
| 22027538 | programmed cell death 6-interacting protein isoform 1 [Homo sapi | 24.31 | 3 | 14 | 14 | 50 | 0.988 | 18 | 6.1 | 1.121 | 18 | 18.3 | 2335.46 | 24.31 | 40 | 50 | 868 | 96.0 | 6.52 |
| 530410036 | PREDICTED: eukaryotic translation initiation factor 5A-1 isoform X5 | 59.09 | 4 | 7 | 7 | 35 | 0.988 | 13 | 6.2 | 1.093 | 13 | 11.8 | 1507.44 | 59.09 | 20 | 35 | 154 | 16.8 | 5.24 |
| 530415994 | PREDICTED: rRNA 2'-O-methyltransferase fibrillarin isoform X1 [Ho | 4.38 | 2 | 1 | 1 | 3 | 0.988 | 1 |  | 1.204 | 1 |  | 109.01 | 4.38 | 3 | 3 | 320 | 33.7 | 10.18 |
| 21624607 | coactosin-like protein [Homo sapiens] | 69.01 | 1 | 10 | 10 | 56 | 0.988 | 22 | 5.8 | 1.245 | 22 | 12.0 | 1738.03 | 69.01 | 27 | 56 | 142 | 15.9 | 5.67 |
| 4557367 | bleomycin hydrolase [Homo sapiens] | 9.89 | 1 | 3 | 3 | 14 | 0.988 | 5 | 1.6 | 1.255 | 5 | 3.4 | 518.93 | 9.89 | 9 | 14 | 455 | 52.5 | 6.27 |
| 578834138 | PREDICTED: serine/threonine-protein phosphatase 6 regulatory su | 2.39 | 2 | 1 | 1 | 2 | 0.987 | 1 |  | 1.046 | 1 |  | 69.51 | 2.39 | 2 | 2 | 754 | 82.2 | 4.55 |
| 94966754 | elongation factor Tu GTP-binding domain-containing protein 1 isofo | 1.07 | 1 | 1 | 1 | 3 | 0.987 | 1 |  | 1.348 | 1 |  | 86.94 | 1.07 | 3 | 3 | 1120 | 125.3 | 5.91 |
| 89903012 | cell division control protein 42 homolog isoform 1 precursor [Homo | 52.88 | 6 | 6 | 7 | 70 | 0.987 | 19 | 8.2 | 1.276 | 19 | 23.1 | 3210.55 | 52.88 | 21 | 70 | 191 | 21.2 | 6.55 |
| 21361399 | serine/threonine-protein phosphatase 2A 65 kDa regulatory subuni | 19.86 | 10 | 9 | 9 | 29 | 0.987 | 11 | 4.8 | 1.241 | 11 | 22.1 | 1260.56 | 19.86 | 24 | 29 | 589 | 65.3 | 5.11 |
| 24430132 | WW domain-binding protein 2 [Homo sapiens] | 7.66 | 1 | 2 | 2 | 6 | 0.987 | 2 | 3.3 | 1.287 | 2 | 16.2 | 160.11 | 7.66 | 6 | 6 | 261 | 28.1 | 5.91 |
| 5454016 | oxygen-regulated protein 1 [Homo sapiens] | 0.56 | 1 | 1 | 2 | 7 | 0.987 | 1 |  | 1.167 | 1 |  | 110.91 | 0.56 | 3 | 7 | 2156 | 240.5 | 5.80 |
| 83716024 | kinesin-like protein KIF21B isoform 2 [Homo sapiens] | 0.92 | 17 | 2 | 3 | 144 | 0.987 | 53 | 4.6 | 1.170 | 53 | 8.2 | 1776.78 | 0.92 | 6 | 144 | 1624 | 181.2 | 7.28 |
| 83582815 | cornifin-B [Homo sapiens] | 19.10 | 1 | 1 | 1 | 2 | 0.987 | 1 |  | 1.221 | 1 |  | 73.34 | 19.10 | 2 | 2 | 89 | 9.9 | 8.48 |
| 66347875 | complement C1r subcomponent precursor [Homo sapiens] | 42.84 | 1 | 22 | 23 | 162 | 0.987 | 55 | 8.7 | 1.205 | 54 | 18.5 | 6906.61 | 42.84 | 69 | 162 | 705 | 80.1 | 6.29 |
| 544063449 | stress-induced-phosphoprotein 1 isoform c [Homo sapiens] | 18.30 | 3 | 9 | 9 | 34 | 0.987 | 13 | 5.5 | 1.181 | 13 | 5.1 | 852.64 | 18.30 | 26 | 34 | 519 | 59.7 | 6.80 |
| 578840723 | PREDICTED: V-set and immunoglobulin domain-containing protein | 24.80 | 1 | 8 | 8 | 130 | 0.987 | 52 | 5.4 | 1.402 | 48 | 27.7 | 2350.83 | 24.80 | 22 | 130 | 250 | 27.2 | 8.54 |
| 4504345 | hemoglobin subunit alpha [Homo sapiens] | 95.07 | 4 | 14 | 14 | 3673 | 0.987 | 1363 | 12.7 | 1.084 | 1362 | 9.0 | 213746.82 | 95.07 | 42 | 3673 | 142 | 15.2 | 8.68 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4502053 | arachidonate 12-lipoxygenase, 12R-type [Homo sapiens] | 0.71 | 4 | 1 | 1 | 1 | 0.987 | 1 | | 1.127 | 1 | | 32.89 | 0.71 | 1 | 1 | 701 | 80.3 | 7.64 |
| 451172106 | coronin-1C isoform b [Homo sapiens] | 23.42 | 7 | 10 | 11 | 44 | 0.987 | 14 | 3.7 | 1.147 | 14 | 5.5 | 1549.48 | 23.42 | 28 | 44 | 474 | 53.2 | 7.08 |
| 578837685 | PREDICTED: plexin-B2 isoform X5 [Homo sapiens] | 0.54 | 2 | 1 | 1 | 1 | 0.987 | 1 | | 0.962 | 1 | | 32.83 | 0.54 | 1 | 1 | 1838 | 205.0 | 6.24 |
| 197927454 | protein DEK isoform 2 [Homo sapiens] | 12.32 | 3 | 4 | 4 | 21 | 0.987 | 9 | 3.6 | 1.191 | 9 | 19.6 | 765.62 | 12.32 | 10 | 21 | 341 | 38.7 | 8.15 |
| 530361160 | PREDICTED: filamin-binding LIM protein 1 isoform X1 [Homo sapie | 3.21 | 1 | 1 | 1 | 1 | 0.987 | 1 | | 1.371 | 1 | | 0.00 | 3.21 | 1 | 1 | 374 | 40.3 | 6.43 |
| 219842236 | tyrosine-protein kinase Fes/Fps isoform 4 [Homo sapiens] | 4.61 | 4 | 2 | 2 | 6 | 0.987 | 2 | 8.3 | 1.252 | 2 | 1.2 | 389.45 | 4.61 | 6 | 6 | 694 | 78.6 | 6.80 |
| 530379292 | PREDICTED: transportin-1 isoform X2 [Homo sapiens] | 1.39 | 12 | 2 | 2 | 12 | 0.987 | 1 | | 1.444 | 1 | | 130.66 | 1.39 | 5 | 12 | 866 | 98.6 | 4.97 |
| 32189394 | ATP synthase subunit beta, mitochondrial precursor [Homo sapiens | 10.59 | 1 | 4 | 4 | 18 | 0.986 | 6 | 3.7 | 1.274 | 6 | 5.0 | 1263.63 | 10.59 | 12 | 18 | 529 | 56.5 | 5.40 |
| 20357559 | galectin-10 [Homo sapiens] | 43.66 | 3 | 6 | 6 | 69 | 0.986 | 26 | 8.1 | 1.089 | 26 | 9.5 | 2123.75 | 43.66 | 16 | 69 | 142 | 16.4 | 7.37 |
| 14149680 | extended synaptotagmin-1 isoform 2 [Homo sapiens] | 2.54 | 2 | 2 | 2 | 6 | 0.986 | 2 | 4.5 | 1.138 | 2 | 5.9 | 314.19 | 2.54 | 6 | 6 | 1104 | 122.8 | 5.83 |
| 5031569 | alpha-centractin [Homo sapiens] | 33.78 | 3 | 4 | 8 | 44 | 0.986 | 6 | 3.8 | 1.295 | 6 | 22.0 | 1235.14 | 33.78 | 23 | 44 | 376 | 42.6 | 6.64 |
| 530375309 | PREDICTED: polyhomeotic-like protein 3 isoform X3 [Homo sapien | 0.56 | 6 | 1 | 1 | 3 | 0.986 | 1 | | 1.262 | 1 | | 54.98 | 0.56 | 3 | 3 | 897 | 96.5 | 7.27 |
| 578833911 | PREDICTED: tubulin-folding cofactor B isoform X1 [Homo sapiens] | 9.33 | 2 | 1 | 1 | 3 | 0.986 | 1 | | 1.442 | 1 | | 208.33 | 9.33 | 3 | 3 | 193 | 21.8 | 4.94 |
| 7669492 | glyceraldehyde-3-phosphate dehydrogenase isoform 1 [Homo sapi | 90.45 | 3 | 3 | 27 | 1785 | 0.986 | 34 | 10.8 | 1.451 | 34 | 31.7 | 94183.39 | 90.45 | 79 | 1785 | 335 | 36.0 | 8.46 |
| 4504351 | hemoglobin subunit delta [Homo sapiens] | 92.52 | 1 | 8 | 15 | 2318 | 0.985 | 79 | 8.5 | 1.073 | 79 | 7.3 | 120925.19 | 92.52 | 43 | 2318 | 147 | 16.0 | 8.05 |
| 110624781 | myosin-13 [Homo sapiens] | 0.98 | 36 | 1 | 3 | 23 | 0.985 | 1 | | 1.406 | 1 | | 476.32 | 0.98 | 8 | 23 | 1938 | 223.5 | 5.68 |
| 126362971 | serine/threonine-protein kinase 10 [Homo sapiens] | 10.85 | 1 | 7 | 8 | 23 | 0.985 | 7 | 7.2 | 1.301 | 7 | 22.8 | 893.32 | 10.85 | 23 | 23 | 968 | 112.1 | 6.95 |
| 19923231 | ras-related protein Rab-6A isoform a [Homo sapiens] | 14.90 | 21 | 2 | 3 | 9 | 0.985 | 2 | 2.5 | 1.010 | 2 | 3.9 | 368.41 | 14.90 | 9 | 9 | 208 | 23.5 | 5.54 |
| 4506597 | 60S ribosomal protein L12 [Homo sapiens] | 14.55 | 1 | 2 | 2 | 6 | 0.985 | 2 | 0.3 | 1.205 | 2 | 14.4 | 402.27 | 14.55 | 6 | 6 | 165 | 17.8 | 9.42 |
| 530420952 | PREDICTED: male-specific lethal 3 homolog isoform X2 [Homo sap | 1.69 | 5 | 1 | 1 | 2 | 0.985 | 1 | | 0.806 | 1 | | 69.83 | 1.69 | 2 | 2 | 355 | 40.6 | 8.85 |
| 578806818 | PREDICTED: TPR and ankyrin repeat-containing protein 1 isoform | 0.30 | 1 | 1 | 1 | 1 | 0.985 | 1 | | | | | 24.08 | 0.30 | 1 | 1 | 2969 | 341.0 | 6.74 |
| 19923973 | BTB/POZ domain-containing protein KCTD12 [Homo sapiens] | 26.77 | 4 | 6 | 8 | 28 | 0.985 | 9 | 3.3 | 1.219 | 9 | 13.2 | 880.56 | 26.77 | 20 | 28 | 325 | 35.7 | 5.64 |
| 4507909 | wiskott-Aldrich syndrome protein [Homo sapiens] | 11.95 | 1 | 4 | 4 | 17 | 0.985 | 6 | 14.1 | 1.177 | 6 | 16.8 | 805.10 | 11.95 | 12 | 17 | 502 | 52.9 | 6.64 |
| 4506017 | serine/threonine-protein phosphatase 2A catalytic subunit alpha is | 12.94 | 2 | 3 | 3 | 17 | 0.985 | 6 | 3.2 | 1.150 | 6 | 12.0 | 914.16 | 12.94 | 9 | 17 | 309 | 35.6 | 5.54 |
| 530383948 | PREDICTED: DNA polymerase zeta catalytic subunit isoform X4 [H | 0.19 | 4 | 1 | 1 | 1 | 0.985 | 1 | | 1.244 | 1 | | 15.58 | 0.19 | 1 | 1 | 2679 | 301.0 | 8.00 |
| 52487191 | endoplasmic reticulum resident protein 44 precursor [Homo sapien | 7.88 | 1 | 2 | 3 | 14 | 0.985 | 3 | 0.3 | 1.248 | 3 | 11.5 | 436.94 | 7.88 | 9 | 14 | 406 | 46.9 | 5.26 |
| 578814066 | PREDICTED: filamin-C isoform X1 [Homo sapiens] | 2.39 | 3 | 1 | 9 | 64 | 0.984 | 6 | 9.0 | 1.085 | 6 | 2.2 | 1441.85 | 2.39 | 25 | 64 | 2632 | 281.4 | 6.04 |
| 13399298 | immunoglobulin lambda-like polypeptide 1 isoform a precursor [Ho | 14.08 | 1 | 2 | 2 | 34 | 0.984 | 12 | 7.1 | 1.042 | 11 | 12.0 | 603.49 | 14.08 | 6 | 34 | 213 | 22.9 | 10.07 |
| 530369689 | PREDICTED: striated muscle preferentially expressed protein kinas | 0.21 | 23 | 1 | 1 | 5 | 0.984 | 3 | 3.3 | 1.145 | 3 | 5.6 | 34.37 | 0.21 | 3 | 5 | 2418 | 263.4 | 8.09 |
| 5453678 | epididymal secretory protein E1 precursor [Homo sapiens] | 31.79 | 2 | 3 | 3 | 11 | 0.984 | 5 | 10.7 | 1.357 | 5 | 3.3 | 279.41 | 31.79 | 7 | 11 | 151 | 16.6 | 7.65 |
| 295986608 | immunoglobulin lambda-like polypeptide 5 isoform 1 [Homo sapien | 47.66 | 2 | 9 | 9 | 1880 | 0.984 | 678 | 9.5 | 1.271 | 670 | 24.6 | 79472.07 | 47.66 | 27 | 1880 | 214 | 23.0 | 8.84 |
| 578839125 | PREDICTED: putative V-set and immunoglobulin domain-containing | 21.29 | 1 | 2 | 4 | 190 | 0.984 | 38 | 5.7 | 1.293 | 38 | 21.2 | 10249.28 | 21.29 | 12 | 190 | 155 | 17.4 | 9.11 |
| 530412286 | PREDICTED: ATP-citrate synthase isoform X3 [Homo sapiens] | 28.34 | 21 | 23 | 24 | 119 | 0.984 | 42 | 5.2 | 1.181 | 42 | 14.1 | 5339.78 | 28.34 | 71 | 119 | 1101 | 120.8 | 7.33 |
| 530379158 | PREDICTED: centrosomal protein POC5 isoform X2 [Homo sapiens] | 1.28 | 4 | 1 | 1 | 1 | 0.984 | 1 | | 0.956 | 1 | | 29.02 | 1.28 | 1 | 1 | 547 | 60.3 | 7.69 |
| 345441817 | kinesin-like protein KIF2A isoform 3 [Homo sapiens] | 1.60 | 4 | 1 | 1 | 3 | 0.984 | 1 | | 1.244 | 1 | | 206.66 | 1.60 | 3 | 3 | 686 | 77.7 | 6.58 |
| 556695469 | mRNA-capping enzyme isoform b [Homo sapiens] | 1.22 | 2 | 1 | 1 | 1 | 0.983 | 1 | | 1.136 | 1 | | 15.16 | 1.22 | 1 | 1 | 574 | 66.0 | 8.38 |
| 4557587 | fumarylacetoacetase [Homo sapiens] | 4.77 | 1 | 2 | 2 | 5 | 0.983 | 2 | 0.1 | 1.313 | 2 | 18.7 | 165.65 | 4.77 | 5 | 5 | 419 | 46.3 | 6.95 |
| 44890052 | stathmin isoform a [Homo sapiens] | 33.56 | 5 | 6 | 6 | 26 | 0.983 | 9 | 1.9 | 1.174 | 9 | 7.2 | 935.28 | 33.56 | 17 | 26 | 149 | 17.3 | 5.97 |
| 4504041 | guanine nucleotide-binding protein G(i) subunit alpha-2 isoform 1 [ | 43.10 | 21 | 8 | 12 | 52 | 0.983 | 12 | 5.5 | 1.171 | 12 | 17.8 | 2371.85 | 43.10 | 33 | 52 | 355 | 40.4 | 5.54 |
| 583966148 | isocitrate dehydrogenase [NADP], mitochondrial isoform 2 [Homo s | 25.75 | 3 | 9 | 10 | 35 | 0.983 | 12 | 2.5 | 1.139 | 12 | 13.7 | 1298.22 | 25.75 | 25 | 35 | 400 | 45.2 | 7.75 |
| 10835240 | high mobility group nucleosome-binding domain-containing protein | 26.67 | 1 | 2 | 2 | 7 | 0.983 | 3 | 5.1 | 1.160 | 3 | 2.1 | 181.18 | 26.67 | 5 | 7 | 90 | 9.5 | 10.48 |
| 578810775 | PREDICTED: glucosamine-6-phosphate isomerase 1 isoform X2 [H | 22.15 | 7 | 6 | 6 | 24 | 0.983 | 9 | 3.5 | 1.137 | 9 | 22.0 | 892.48 | 22.15 | 16 | 24 | 289 | 32.6 | 6.92 |
| 578828075 | PREDICTED: pyrin isoform X1 [Homo sapiens] | 3.33 | 2 | 2 | 2 | 5 | 0.983 | 2 | 9.9 | 1.169 | 2 | 25.0 | 171.14 | 3.33 | 5 | 5 | 780 | 86.3 | 7.94 |
| 578819639 | PREDICTED: tudor domain-containing protein 1 isoform X3 [Homo | 0.72 | 3 | 1 | 1 | 8 | 0.983 | 3 | 11.0 | 2.113 | 3 | 20.9 | 78.53 | 0.72 | 3 | 8 | 1104 | 123.7 | 6.19 |
| 6912396 | glyoxylate reductase/hydroxypyruvate reductase [Homo sapiens] | 23.17 | 2 | 4 | 4 | 12 | 0.983 | 4 | 8.2 | 1.387 | 4 | 22.7 | 623.85 | 23.17 | 12 | 12 | 328 | 35.6 | 7.39 |
| 530390795 | PREDICTED: formin-binding protein 1 isoform X20 [Homo sapiens] | 8.35 | 23 | 5 | 5 | 15 | 0.983 | 5 | 3.1 | 1.047 | 5 | 25.9 | 681.17 | 8.35 | 15 | 15 | 551 | 64.0 | 5.24 |
| 32130518 | apolipoprotein C-II precursor [Homo sapiens] | 34.65 | 1 | 2 | 2 | 10 | 0.982 | 4 | 14.9 | 1.268 | 4 | 28.8 | 393.13 | 34.65 | 6 | 10 | 101 | 11.3 | 4.72 |
| 58761500 | obg-like ATPase 1 isoform 1 [Homo sapiens] | 10.61 | 2 | 3 | 3 | 7 | 0.982 | 3 | 7.8 | 1.112 | 3 | 0.4 | 308.62 | 10.61 | 7 | 7 | 396 | 44.7 | 7.81 |
| 530364287 | PREDICTED: coagulation factor XIII B chain isoform X1 [Homo sap | 14.24 | 3 | 7 | 7 | 23 | 0.982 | 8 | 8.8 | 1.113 | 8 | 14.8 | 929.12 | 14.24 | 20 | 23 | 660 | 75.3 | 6.48 |
| 578812388 | PREDICTED: collagen alpha-1(XII) chain isoform X1 [Homo sapiens | 0.81 | 2 | 2 | 2 | 6 | 0.982 | 2 | 4.6 | 1.172 | 2 | 6.6 | 290.04 | 0.81 | 6 | 6 | 2972 | 323.4 | 5.54 |
| 648216372 | aspartate--tRNA ligase, cytoplasmic isoform 2 [Homo sapiens] | 9.23 | 2 | 3 | 3 | 9 | 0.982 | 3 | 2.9 | 1.027 | 3 | 2.5 | 335.62 | 9.23 | 9 | 9 | 401 | 45.7 | 5.71 |
| 325652048 | transcription elongation factor B polypeptide 1 isoform b [Homo sa | 21.88 | 2 | 2 | 2 | 4 | 0.982 | 2 | 4.0 | 1.098 | 2 | 11.3 | 75.07 | 21.88 | 4 | 4 | 96 | 10.8 | 5.36 |
| 62198235 | drebrin-like protein isoform b [Homo sapiens] | 25.81 | 5 | 10 | 10 | 52 | 0.982 | 19 | 7.2 | 1.172 | 19 | 14.4 | 2282.30 | 25.81 | 27 | 52 | 430 | 48.2 | 5.05 |
| 545688902 | regulator of telomere elongation helicase 1 isoform 4 [Homo sapie | 0.80 | 4 | 1 | 1 | 1 | 0.982 | 1 | | **5.569** | 1 | | 22.49 | 0.80 | 1 | 1 | 996 | 108.4 | 8.15 |
| 578812959 | PREDICTED: utrophin isoform X8 [Homo sapiens] | 0.32 | 6 | 2 | 2 | 28 | 0.982 | 10 | 10.2 | 1.223 | 10 | 5.8 | 576.42 | 0.32 | 6 | 28 | 2499 | 287.1 | 5.47 |
| 38504669 | serpin B8 isoform a [Homo sapiens] | 9.89 | 6 | 2 | 3 | 14 | 0.982 | 2 | 1.8 | 1.021 | 2 | 9.4 | 637.81 | 9.89 | 8 | 14 | 374 | 42.7 | 5.57 |
| 539845980 | protein phosphatase 1 regulatory subunit 7 isoform 6 [Homo sapie | 12.96 | 7 | 3 | 3 | 20 | 0.982 | 7 | 5.9 | 1.066 | 7 | 9.9 | 1034.23 | 12.96 | 9 | 20 | 301 | 35.1 | 5.31 |
| 578834355 | PREDICTED: glutamate receptor ionotropic, kainate 5 isoform X5 [ | 1.10 | 4 | 1 | 1 | 2 | 0.982 | 1 | | 1.072 | 1 | | 32.02 | 1.10 | 2 | 2 | 912 | 101.9 | 8.75 |
| 32483377 | thioredoxin-dependent peroxide reductase, mitochondrial isoform b | 17.23 | 2 | 4 | 4 | 12 | 0.982 | 4 | 3.2 | 1.069 | 4 | 5.2 | 456.24 | 17.23 | 12 | 12 | 238 | 25.8 | 7.46 |
| 5803076 | chromobox protein homolog 1 [Homo sapiens] | 19.46 | 1 | 2 | 3 | 8 | 0.982 | 2 | 1.6 | 1.129 | 2 | 14.7 | 222.72 | 19.46 | 8 | 8 | 185 | 21.4 | 4.93 |
| 4504067 | aspartate aminotransferase, cytoplasmic [Homo sapiens] | 20.10 | 56 | 6 | 7 | 25 | 0.981 | 8 | 9.8 | 1.144 | 8 | 10.2 | 1089.47 | 20.10 | 19 | 25 | 413 | 46.2 | 7.01 |
| 578813854 | PREDICTED: A-kinase anchor protein 9 isoform X3 [Homo sapiens] | 0.91 | 66 | 3 | 5 | 18 | 0.981 | 3 | 4.5 | 1.320 | 3 | 9.0 | 200.84 | 0.91 | 11 | 18 | 3860 | 447.3 | 4.98 |
| 387527974 | dynactin subunit 2 isoform 3 [Homo sapiens] | 12.72 | 3 | 3 | 3 | 7 | 0.981 | 3 | 11.9 | 1.050 | 2 | 6.8 | 242.87 | 12.72 | 7 | 7 | 401 | 44.2 | 5.21 |
| 11386147 | prosaposin isoform a preproprotein [Homo sapiens] | 25.95 | 3 | 12 | 12 | 106 | 0.981 | 40 | 6.9 | 1.155 | 39 | 12.4 | 4338.69 | 25.95 | 35 | 106 | 524 | 58.1 | 5.17 |
| 18375644 | tyrosine-protein phosphatase non-receptor type 11 isoform 2 [Hom | 2.39 | 4 | 1 | 1 | 2 | 0.981 | 1 | | 1.078 | 1 | | 112.29 | 2.39 | 2 | 2 | 460 | 52.8 | 7.44 |
| 17149836 | peptidyl-prolyl cis-trans isomerase FKBP1A isoform a [Homo sapien | 82.41 | 4 | 9 | 9 | 84 | 0.981 | 31 | 9.3 | 1.201 | 30 | 22.3 | 4030.17 | 82.41 | 25 | 84 | 108 | 11.9 | 8.16 |
| 195222722 | U6 snRNA-associated Sm-like protein LSm5 isoform b [Homo sapie | 37.10 | 2 | 1 | 1 | 3 | 0.981 | 1 | | 1.422 | 1 | | 96.80 | 37.10 | 3 | 3 | 62 | 6.8 | 4.28 |
| 27477041 | AP-2 complex subunit alpha-2 isoform 2 [Homo sapiens] | 1.17 | 4 | 1 | 1 | 3 | 0.981 | 1 | | 0.987 | 1 | | 72.06 | 1.17 | 3 | 3 | 939 | 103.9 | 6.96 |
| 578810605 | PREDICTED: calpastatin isoform X17 [Homo sapiens] | 17.74 | 24 | 8 | 8 | 37 | 0.981 | 14 | 5.9 | 1.109 | 14 | 10.0 | 1482.53 | 17.74 | 21 | 37 | 654 | 70.6 | 4.91 |
| 5032057 | protein S100-A11 [Homo sapiens] | 88.57 | 1 | 9 | 9 | 145 | 0.981 | 56 | 7.6 | 1.153 | 56 | 15.6 | 5892.41 | 88.57 | 27 | 145 | 105 | 11.7 | 7.12 |
| 4758442 | glia maturation factor beta [Homo sapiens] | 33.10 | 2 | 1 | 3 | 22 | 0.980 | 1 | | 1.250 | 1 | | 973.81 | 33.10 | 9 | 22 | 142 | 16.7 | 5.29 |
| 4507065 | antileukoproteinase precursor [Homo sapiens] | 9.09 | 1 | 1 | 1 | 3 | 0.980 | 1 | | 1.203 | 1 | | 103.07 | 9.09 | 3 | 3 | 132 | 14.3 | 8.75 |
| 530408197 | PREDICTED: alpha-hemoglobin-stabilizing protein isoform X2 [Hom | 12.75 | 1 | 1 | 1 | 6 | 0.980 | 2 | 7.1 | 1.104 | 2 | 4.5 | 244.50 | 12.75 | 3 | 6 | 102 | 11.8 | 5.00 |
| 578836536 | PREDICTED: integrin beta-2 isoform X1 [Homo sapiens] | 6.29 | 7 | 4 | 4 | 10 | 0.980 | 4 | 9.1 | 0.996 | 4 | 1.5 | 255.40 | 6.29 | 10 | 10 | 700 | 77.3 | 6.89 |
| 170932494 | syntaxin-7 [Homo sapiens] | 19.92 | 1 | 4 | 4 | 14 | 0.980 | 5 | 5.9 | 1.214 | 5 | 3.2 | 785.84 | 19.92 | 11 | 14 | 261 | 29.8 | 5.55 |
| 578818366 | PREDICTED: ankyrin repeat domain-containing protein 26 isoform | 0.48 | 9 | 1 | 1 | 3 | 0.980 | 1 | | 1.825 | 1 | | 40.15 | 0.48 | 3 | 3 | 1677 | 192.6 | 5.67 |
| 530368297 | PREDICTED: quinone oxidoreductase PIG3 isoform X1 [Homo sapie | 6.58 | 2 | 2 | 2 | 5 | 0.980 | 2 | 3.4 | 1.349 | 2 | 8.8 | 129.86 | 6.58 | 5 | 5 | 243 | 26.8 | 9.13 |
| 304555610 | EF-hand calcium-binding domain-containing protein 13 isoform A [ | 0.92 | 1 | 1 | 1 | 2 | 0.980 | 1 | | 1.170 | 1 | | 29.95 | 0.92 | 2 | 2 | 973 | 110.1 | 6.57 |
| 23110939 | proteasome subunit alpha type-3 isoform 2 [Homo sapiens] | 37.50 | 21 | 9 | 9 | 48 | 0.980 | 15 | 5.1 | 1.116 | 15 | 10.9 | 1853.74 | 37.50 | 26 | 48 | 248 | 27.6 | 5.33 |
| 6912618 | glutaminyl-peptide cyclotransferase precursor [Homo sapiens] | 13.57 | 1 | 2 | 2 | 7 | 0.980 | 3 | 6.1 | 1.171 | 3 | 32.3 | 274.88 | 13.57 | 5 | 7 | 361 | 40.9 | 6.61 |
| 118150660 | zinc finger CCCH domain-containing protein 15 [Homo sapiens] | 1.41 | 1 | 1 | 1 | 24 | 0.980 | 11 | 10.3 | **2.533** | 10 | 63.4 | 91.42 | 1.41 | 3 | 24 | 426 | 48.6 | 5.31 |
| 299758394 | dynamin-2 isoform 5 [Homo sapiens] | 17.49 | 23 | 13 | 13 | 35 | 0.980 | 14 | 4.5 | 1.093 | 13 | 17.0 | 929.37 | 17.49 | 33 | 35 | 869 | 97.9 | 7.44 |
| 5453539 | multifunctional protein ADE2 isoform 2 [Homo sapiens] | 7.29 | 3 | 3 | 3 | 8 | 0.980 | 3 | 7.4 | 1.240 | 3 | 17.8 | 239.35 | 7.29 | 8 | 8 | 425 | 47.0 | 7.23 |
| 170650674 | rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit alpha [Ho | 0.58 | 1 | 1 | 1 | 8 | 0.980 | 3 | 3.2 | 1.360 | 3 | 7.1 | 107.95 | 0.58 | 3 | 8 | 860 | 99.5 | 5.72 |
| 578800886 | PREDICTED: involucrin isoform X1 [Homo sapiens] | 9.40 | 1 | 4 | 4 | 18 | 0.980 | 6 | 9.9 | 1.073 | 6 | 1.7 | 670.60 | 9.40 | 12 | 18 | 585 | 68.4 | 4.61 |
| 4504957 | lysosome-associated membrane glycoprotein 2 isoform A precursor | 7.07 | 3 | 3 | 3 | 12 | 0.979 | 4 | 3.4 | 1.213 | 4 | 5.3 | 413.06 | 7.07 | 9 | 12 | 410 | 44.9 | 5.63 |
| 573014819 | X-ray repair cross-complementing protein 6 isoform 3 [Homo sapie | 25.04 | 20 | 12 | 12 | 54 | 0.979 | 18 | 3.9 | 1.189 | 18 | 9.9 | 1803.64 | 25.04 | 35 | 54 | 559 | 64.2 | 9.28 |
| 578807840 | PREDICTED: E3 ubiquitin-protein ligase CBL-B isoform X4 [Homo s | 3.39 | 36 | 2 | 3 | 9 | 0.979 | 2 | 8.0 | 1.231 | 2 | 17.5 | 235.52 | 3.39 | 9 | 9 | 914 | 102.4 | 7.96 |
| 5174411 | CD5 antigen-like precursor [Homo sapiens] | 38.90 | 6 | 13 | 13 | 73 | 0.979 | 27 | 6.3 | 1.180 | 27 | 19.6 | 3753.99 | 38.90 | 36 | 73 | 347 | 38.1 | 5.47 |
| 545688677 | transport and Golgi organization protein 2 homolog isoform h [Hom | 15.89 | 13 | 1 | 1 | 3 | 0.979 | 1 | | 1.266 | 1 | | 154.56 | 15.89 | 3 | 3 | 107 | 12.0 | 9.09 |
| 256419001 | double-stranded RNA-binding protein Staufen homolog 2 isoform d | 2.01 | 11 | 1 | 1 | 2 | 0.979 | 2 | 17.8 | 1.240 | 2 | 5.2 | 40.01 | 2.01 | 1 | 2 | 398 | 43.3 | 9.42 |
| 404501455 | zinc finger protein 512 isoform d [Homo sapiens] | 3.90 | 4 | 1 | 1 | 3 | 0.979 | 1 | | 1.153 | 1 | | 147.06 | 3.90 | 3 | 3 | 462 | 53.1 | 9.60 |
| 4757826 | beta-2-microglobulin precursor [Homo sapiens] | 49.58 | 2 | 4 | 4 | 25 | 0.979 | 9 | 2.0 | 1.198 | 9 | 14.2 | 997.72 | 49.58 | 12 | 25 | 119 | 13.7 | 6.52 |
| 32189392 | peroxiredoxin-2 [Homo sapiens] | 87.88 | 1 | 13 | 14 | 158 | 0.979 | 51 | 6.9 | 1.073 | 51 | 6.3 | 6513.15 | 87.88 | 41 | 158 | 198 | 21.9 | 5.97 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28302131 | hemoglobin subunit gamma-1 [Homo sapiens] | 65.99 | 1 | 1 | 8 | 246 | 0.979 | 4 | 6.3 | 1.028 | 4 | 4.8 | 6619.35 | 65.99 | 24 | 246 | 147 | 16.1 | 7.20 |
| 4503149 | cathepsin G preproprotein [Homo sapiens] | 47.06 | 1 | 14 | 14 | 175 | 0.979 | 65 | 6.8 | 1.160 | 65 | 12.6 | 6837.08 | 47.06 | 36 | 175 | 255 | 28.8 | 11.19 |
| 293332611 | tyrosine-protein kinase SYK isoform Syk(S) [Homo sapiens] | 8.50 | 8 | 5 | 5 | 16 | 0.978 | 6 | 3.1 | 1.094 | 5 | 4.6 | 502.70 | 8.50 | 14 | 16 | 612 | 69.5 | 7.56 |
| 31563514 | N-alpha-acetyltransferase 20 isoform c [Homo sapiens] | 6.31 | 3 | 1 | 1 | 20 | 0.978 | 12 | 5.3 | 1.307 | 12 | 13.4 | 177.96 | 6.31 | 2 | 20 | 111 | 12.7 | 4.67 |
| 4885413 | histidine triad nucleotide-binding protein 1 [Homo sapiens] | 39.68 | 1 | 4 | 4 | 14 | 0.978 | 5 | 3.6 | 1.126 | 5 | 5.2 | 507.65 | 39.68 | 11 | 14 | 126 | 13.8 | 6.95 |
| 319918857 | coronin-7 isoform 3 [Homo sapiens] | 6.19 | 4 | 5 | 5 | 17 | 0.978 | 6 | 10.9 | 1.143 | 6 | 39.2 | 556.34 | 6.19 | 14 | 17 | 840 | 91.6 | 6.14 |
| 305410789 | glutathione reductase, mitochondrial isoform 2 precursor [Homo sa | 44.22 | 4 | 15 | 15 | 88 | 0.978 | 32 | 4.9 | 1.129 | 32 | 13.9 | 4392.00 | 44.22 | 44 | 88 | 493 | 53.0 | 8.84 |
| 4503299 | class E basic helix-loop-helix protein 40 [Homo sapiens] | 1.21 | 1 | 1 | 1 | 2 | 0.978 | 2 | 16.1 | 1.207 | 2 | 0.3 | 26.29 | 1.21 | 1 | 2 | 412 | 45.5 | 8.10 |
| 31652249 | lipopolysaccharide-binding protein precursor [Homo sapiens] | 9.98 | 1 | 4 | 4 | 26 | 0.978 | 9 | 6.7 | 1.228 | 9 | 17.9 | 1507.61 | 9.98 | 12 | 26 | 481 | 53.3 | 6.70 |
| 162809334 | pregnancy zone protein precursor [Homo sapiens] | 25.44 | 1 | 18 | 27 | 554 | 0.978 | 25 | 6.4 | 1.161 | 24 | 20.8 | 35163.24 | 25.44 | 76 | 554 | 1482 | 163.8 | 6.38 |
| 32171249 | prostaglandin-H2 D-isomerase precursor [Homo sapiens] | 17.37 | 1 | 2 | 2 | 6 | 0.978 | 2 | 5.9 | 0.990 | 2 | 11.2 | 273.42 | 17.37 | 6 | 6 | 190 | 21.0 | 7.80 |
| 291575165 | monocyte differentiation antigen CD14 precursor [Homo sapiens] | 20.00 | 1 | 5 | 5 | 18 | 0.978 | 7 | 5.4 | 1.307 | 7 | 9.1 | 760.85 | 20.00 | 14 | 18 | 375 | 40.1 | 6.23 |
| 210147567 | glutamate-rich protein 6B [Homo sapiens] | 1.01 | 1 | 1 | 1 | 2 | 0.978 | 2 | 4.5 | 1.163 | 2 | 23.2 | 48.10 | 1.01 | 1 | 2 | 696 | 81.6 | 4.75 |
| 25121972 | copine-8 [Homo sapiens] | 2.48 | 18 | 1 | 2 | 25 | 0.978 | 1 |  | 1.112 | 1 |  | 610.86 | 2.48 | 4 | 25 | 564 | 63.1 | 5.96 |
| 222144309 | prenylated Rab acceptor protein 1 [Homo sapiens] | 4.32 | 1 | 1 | 1 | 2 | 0.978 | 2 | 3.0 | **14.549** | 2 | 145.1 | 31.25 | 4.32 | 1 | 2 | 185 | 20.6 | 7.34 |
| 530367946 | PREDICTED: serine/arginine-rich splicing factor 7 isoform X2 [Hom | 13.00 | 5 | 2 | 2 | 3 | 0.978 | 2 | 22.8 | 1.279 | 2 | 22.0 | 57.94 | 13.00 | 3 | 3 | 223 | 25.6 | 11.80 |
| 60097902 | filaggrin [Homo sapiens] | 6.45 | 1 | 8 | 8 | 41 | 0.978 | 15 | 7.9 | 1.037 | 15 | 8.5 | 1793.99 | 6.45 | 21 | 41 | 4061 | 434.9 | 9.25 |
| 15431310 | keratin, type I cytoskeletal 14 [Homo sapiens] | 44.49 | 18 | 8 | 21 | 95 | 0.978 | 10 | 6.7 | 1.094 | 10 | 4.0 | 3343.80 | 44.49 | 59 | 95 | 472 | 51.6 | 5.16 |
| 40353764 | bisphosphoglycerate mutase [Homo sapiens] | 29.34 | 1 | 5 | 5 | 25 | 0.978 | 9 | 10.0 | 1.125 | 9 | 6.2 | 945.92 | 29.34 | 14 | 25 | 259 | 30.0 | 6.54 |
| 29789445 | desmoglein-4 isoform 2 preproprotein [Homo sapiens] | 0.96 | 5 | 1 | 2 | 27 | 0.977 | 1 |  | 1.375 | 1 |  | 353.21 | 0.96 | 5 | 27 | 1040 | 113.8 | 4.56 |
| 530381587 | PREDICTED: FYVE, RhoGEF and PH domain-containing protein 2 is | 0.97 | 2 | 1 | 1 | 1 | 0.977 | 1 |  |  |  |  | 31.03 | 0.97 | 1 | 1 | 620 | 70.8 | 7.30 |
| 530421227 | PREDICTED: ribosomal protein S6 kinase alpha-3 isoform X5 [Hom | 2.96 | 18 | 2 | 2 | 8 | 0.977 | 3 | 1.1 | 1.249 | 3 | 12.9 | 329.73 | 2.96 | 5 | 8 | 710 | 80.6 | 8.28 |
| 4507645 | triosephosphate isomerase isoform 1 [Homo sapiens] | 78.71 | 3 | 14 | 14 | 208 | 0.977 | 75 | 6.7 | 1.136 | 75 | 11.3 | 10311.34 | 78.71 | 42 | 208 | 249 | 26.7 | 6.90 |
| 254692833 | NHS-like protein 2 [Homo sapiens] | 1.06 | 2 | 1 | 1 | 3 | 0.977 | 1 |  | 0.948 | 1 |  | 129.96 | 1.06 | 3 | 3 | 1225 | 133.2 | 7.77 |
| 567315950 | THAP domain-containing protein 5 isoform 3 [Homo sapiens] | 3.00 | 3 | 1 | 1 | 3 | 0.977 | 1 |  | 1.065 | 1 |  | 80.12 | 3.00 | 3 | 3 | 233 | 26.5 | 4.92 |
| 127139033 | NADPH--cytochrome P450 reductase [Homo sapiens] | 6.76 | 1 | 3 | 3 | 8 | 0.977 | 3 | 9.0 | 1.102 | 3 | 7.9 | 461.43 | 6.76 | 8 | 8 | 680 | 77.0 | 5.58 |
| 4502067 | protein AMBP preproprotein [Homo sapiens] | 46.88 | 2 | 14 | 14 | 140 | 0.977 | 52 | 8.1 | 1.171 | 51 | 12.8 | 5420.14 | 46.88 | 38 | 140 | 352 | 39.0 | 6.25 |
| 126012562 | prolow-density lipoprotein receptor-related protein 1 precursor [Ho | 0.11 | 1 | 1 | 1 | 7 | 0.977 | 3 | 8.4 | 1.375 | 3 | 26.7 | 68.27 | 0.11 | 3 | 7 | 4544 | 504.3 | 5.39 |
| 530389740 | PREDICTED: uncharacterized protein KIAA2026 isoform X1 [Homo | 0.58 | 58 | 1 | 2 | 14 | 0.977 | 2 | 1.8 | 1.169 | 2 | 3.3 | 232.37 | 0.58 | 4 | 14 | 2073 | 224.4 | 9.09 |
| 530399942 | PREDICTED: R3H domain-containing protein 2 isoform X15 [Homo | 0.61 | 16 | 1 | 1 | 30 | 0.976 | 11 | 4.0 | 1.151 | 11 | 17.4 | 298.01 | 0.61 | 3 | 30 | 976 | 106.9 | 8.85 |
| 530381599 | PREDICTED: peptidase inhibitor 16 isoform X3 [Homo sapiens] | 3.70 | 2 | 1 | 1 | 3 | 0.976 | 1 |  | 1.018 | 1 |  | 158.53 | 3.70 | 3 | 3 | 270 | 29.7 | 5.71 |
| 4505811 | serine/threonine-protein kinase pim-1 isoform 2 [Homo sapiens] | 1.60 | 14 | 1 | 1 | 3 | 0.976 | 1 |  | 0.956 | 1 |  | 70.90 | 1.60 | 3 | 3 | 313 | 35.7 | 6.11 |
| 530377342 | PREDICTED: coagulation factor XI isoform X4 [Homo sapiens] | 3.75 | 7 | 2 | 2 | 6 | 0.976 | 2 | 5.1 | 1.397 | 2 | 17.7 | 166.08 | 3.75 | 6 | 6 | 534 | 59.5 | 7.91 |
| 62243068 | insulin-like growth factor-binding protein 3 isoform b precursor [Ho | 11.68 | 57 | 3 | 4 | 23 | 0.976 | 4 | 2.5 | 1.046 | 4 | 4.2 | 473.25 | 11.68 | 11 | 23 | 291 | 31.7 | 8.69 |
| 41322910 | plectin isoform 1d [Homo sapiens] | 2.99 | 21 | 11 | 11 | 33 | 0.976 | 13 | 8.6 | 1.131 | 13 | 8.5 | 926.07 | 2.99 | 29 | 33 | 4515 | 512.3 | 5.77 |
| 18104982 | tyrosine-protein phosphatase non-receptor type 2 isoform 3 [Homo | 1.98 | 8 | 1 | 1 | 4 | 0.976 | 4 | 3.8 | 1.398 | 4 | 18.1 | 78.02 | 1.98 | 2 | 4 | 353 | 41.0 | 6.40 |
| 24308273 | costars family protein ABRACL [Homo sapiens] | 54.32 | 1 | 3 | 3 | 26 | 0.976 | 10 | 8.4 | 1.215 | 10 | 13.2 | 984.57 | 54.32 | 8 | 26 | 81 | 9.1 | 6.29 |
| 156231067 | TBC1 domain family member 8 [Homo sapiens] | 1.05 | 7 | 1 | 2 | 3 | 0.975 | 1 |  | 1.233 | 1 |  | 39.52 | 1.05 | 3 | 3 | 1140 | 130.8 | 5.52 |
| 240255535 | collagen alpha-3(VI) chain isoform 4 precursor [Homo sapiens] | 7.70 | 8 | 14 | 14 | 59 | 0.975 | 21 | 7.3 | 1.122 | 21 | 12.9 | 2813.56 | 7.70 | 40 | 59 | 2570 | 278.0 | 8.15 |
| 295424842 | signal recognition particle receptor subunit alpha isoform 2 [Homo | 3.93 | 2 | 1 | 2 | 5 | 0.975 | 1 |  | 0.944 | 1 |  | 114.83 | 3.93 | 5 | 5 | 610 | 66.5 | 9.04 |
| 222136639 | C-1-tetrahydrofolate synthase, cytoplasmic [Homo sapiens] | 8.66 | 1 | 8 | 8 | 20 | 0.975 | 8 | 8.7 | 1.072 | 8 | 21.7 | 566.86 | 8.66 | 20 | 20 | 935 | 101.5 | 7.30 |
| 4757804 | copper transport protein ATOX1 [Homo sapiens] | 20.59 | 8 | 2 | 2 | 11 | 0.975 | 4 | 2.5 | 1.136 | 4 | 4.7 | 142.12 | 20.59 | 5 | 11 | 68 | 7.4 | 7.24 |
| 228008398 | heterogeneous nuclear ribonucleoprotein Q isoform 3 [Homo sapie | 14.04 | 9 | 5 | 7 | 25 | 0.975 | 5 | 2.0 | 1.334 | 5 | 7.6 | 951.53 | 14.04 | 19 | 25 | 527 | 58.7 | 7.56 |
| 325652118 | probable aminopeptidase NPEPL1 isoform 3 [Homo sapiens] | 2.53 | 3 | 1 | 1 | 3 | 0.974 | 1 |  | 1.102 | 1 |  | 100.48 | 2.53 | 3 | 3 | 475 | 50.5 | 6.52 |
| 13124873 | core-binding factor subunit beta isoform 2 [Homo sapiens] | 7.69 | 4 | 2 | 2 | 6 | 0.974 | 2 | 3.0 | 1.341 | 2 | 8.3 | 108.17 | 7.69 | 6 | 6 | 182 | 21.5 | 6.60 |
| 374081861 | ras-related protein Rab-18 isoform 4 [Homo sapiens] | 7.69 | 4 | 1 | 1 | 2 | 0.974 | 1 |  | 1.353 | 1 |  | 68.10 | 7.69 | 2 | 2 | 182 | 20.4 | 5.00 |
| 4557395 | carbonic anhydrase 2 isoform 1 [Homo sapiens] | 55.00 | 2 | 11 | 11 | 131 | 0.974 | 46 | 8.5 | 1.077 | 46 | 6.8 | 6862.67 | 55.00 | 32 | 131 | 260 | 29.2 | 7.40 |
| 14861860 | testicular acid phosphatase precursor [Homo sapiens] | 1.41 | 1 | 1 | 1 | 2 | 0.974 | 2 | 2.6 | 1.200 | 2 | 5.7 | 49.97 | 1.41 | 1 | 2 | 426 | 46.1 | 8.21 |
| 4826952 | 26S proteasome non-ATPase regulatory subunit 5 isoform 1 [Homo | 5.95 | 2 | 2 | 2 | 6 | 0.974 | 2 | 6.1 | 1.203 | 2 | 13.9 | 356.71 | 5.95 | 6 | 6 | 504 | 56.2 | 5.48 |
| 30089926 | F-box only protein 11 isoform 1 [Homo sapiens] | 1.07 | 5 | 1 | 1 | 5 | 0.974 | 2 | 5.7 | 1.292 | 2 | 15.6 | 76.40 | 1.07 | 2 | 5 | 843 | 94.0 | 6.84 |
| 34222391 | zinc finger protein 605 isoform 1 [Homo sapiens] | 2.65 | 36 | 2 | 3 | 9 | 0.974 | 3 | 0.5 | 1.123 | 3 | 3.0 | 113.46 | 2.65 | 7 | 9 | 641 | 74.3 | 9.11 |
| 50428938 | ATPase ASNA1 [Homo sapiens] | 5.46 | 1 | 2 | 2 | 6 | 0.974 | 2 | 6.4 | 1.141 | 2 | 10.1 | 162.16 | 5.46 | 6 | 6 | 348 | 38.8 | 4.91 |
| 207442677 | uncharacterized protein C19orf71 [Homo sapiens] | 3.83 | 4 | 1 | 1 | 4 | 0.974 | 1 |  | 2.065 | 1 |  | 35.14 | 3.83 | 2 | 4 | 209 | 24.2 | 8.95 |
| 41349456 | prolyl endopeptidase [Homo sapiens] | 6.06 | 2 | 3 | 3 | 16 | 0.974 | 6 | 4.5 | 1.258 | 6 | 9.5 | 885.53 | 6.06 | 7 | 16 | 710 | 80.6 | 5.86 |
| 19913416 | AP-2 complex subunit alpha-1 isoform 2 [Homo sapiens] | 1.57 | 2 | 1 | 1 | 3 | 0.974 | 1 |  | 1.247 | 1 |  | 187.23 | 1.57 | 3 | 3 | 955 | 105.3 | 7.66 |
| 578798051 | PREDICTED: uncharacterized protein LOC100293211 [Homo sapier | 25.93 | 2 | 6 | 8 | 318 | 0.974 | 50 | 5.7 | 1.312 | 50 | 19.2 | 9597.86 | 25.93 | 24 | 318 | 270 | 29.5 | 8.59 |
| 306922420 | trophoblast glycoprotein-like precursor [Homo sapiens] | 2.36 | 1 | 1 | 1 | 1 | 0.974 | 1 |  |  |  |  | 28.83 | 2.36 | 1 | 1 | 382 | 40.4 | 8.27 |
| 4502171 | adenine phosphoribosyltransferase isoform a [Homo sapiens] | 45.56 | 2 | 6 | 6 | 44 | 0.974 | 15 | 6.5 | 1.310 | 15 | 18.1 | 1690.71 | 45.56 | 18 | 44 | 180 | 19.6 | 6.02 |
| 578826850 | PREDICTED: tropomodulin-3 isoform X1 [Homo sapiens] | 15.34 | 2 | 5 | 5 | 22 | 0.974 | 8 | 11.2 | 1.192 | 8 | 10.1 | 636.46 | 15.34 | 14 | 22 | 352 | 39.6 | 5.19 |
| 4503625 | coagulation factor X preproprotein [Homo sapiens] | 8.61 | 3 | 3 | 3 | 18 | 0.973 | 6 | 8.5 | 1.364 | 6 | 15.8 | 747.03 | 8.61 | 9 | 18 | 488 | 54.7 | 5.94 |
| 4503107 | cystatin-C precursor [Homo sapiens] | 19.18 | 1 | 2 | 2 | 6 | 0.973 | 2 | 8.0 | 1.078 | 2 | 4.7 | 382.90 | 19.18 | 6 | 6 | 146 | 15.8 | 8.75 |
| 291045225 | titin isoform N2-A [Homo sapiens] | 0.11 | 33 | 4 | 7 | 23 | 0.973 | 3 | 0.7 | 1.253 | 1 |  | 247.65 | 0.11 | 15 | 23 | 33423 | 3711.3 | 6.52 |
| 530403364 | PREDICTED: nesprin-2 isoform X7 [Homo sapiens] | 0.16 | 46 | 1 | 2 | 3 | 0.973 | 1 |  | 1.174 | 1 |  | 35.56 | 0.16 | 3 | 3 | 6883 | 795.9 | 5.39 |
| 21735417 | protein bicaudal D homolog 2 isoform 2 [Homo sapiens] | 0.97 | 2 | 1 | 1 | 2 | 0.973 | 1 |  | 1.465 | 1 |  | 26.39 | 0.97 | 2 | 2 | 824 | 93.5 | 5.44 |
| 45580723 | haptoglobin-related protein precursor [Homo sapiens] | 50.00 | 2 | 5 | 21 | 1913 | 0.973 | 13 | 2.8 | 1.192 | 13 | 12.3 | 67245.04 | 50.00 | 61 | 1913 | 348 | 39.0 | 7.09 |
| 334724455 | acetyl-coenzyme A synthetase, cytoplasmic isoform 3 [Homo sapie | 1.82 | 9 | 1 | 2 | 32 | 0.973 | 2 | 2.7 | 0.747 | 2 | 54.0 | 482.66 | 1.82 | 5 | 32 | 606 | 67.6 | 6.15 |
| 4506631 | 60S ribosomal protein L30 [Homo sapiens] | 13.91 | 1 | 1 | 1 | 6 | 0.973 | 2 | 0.6 | 1.154 | 2 | 20.4 | 316.51 | 13.91 | 3 | 6 | 115 | 12.8 | 9.63 |
| 239049591 | glycogen [starch] synthase, muscle isoform 2 [Homo sapiens] | 1.19 | 2 | 1 | 1 | 3 | 0.973 | 1 |  | 1.187 | 1 |  | 92.70 | 1.19 | 3 | 3 | 673 | 76.4 | 6.54 |
| 18141299 | zinc finger and BTB domain-containing protein 26 [Homo sapiens] | 2.27 | 1 | 1 | 1 | 1 | 0.973 | 1 |  | 1.326 | 1 |  | 29.58 | 2.27 | 1 | 1 | 441 | 49.9 | 7.08 |
| 262231791 | complement factor H-related protein 3 isoform 2 precursor [Homo | 12.64 | 11 | 2 | 3 | 15 | 0.972 | 4 | 18.0 | 1.704 | 4 | 30.3 | 430.26 | 12.64 | 8 | 15 | 269 | 30.7 | 7.78 |
| 7661922 | ras-related protein Rab-21 [Homo sapiens] | 13.78 | 1 | 3 | 3 | 12 | 0.972 | 4 | 4.2 | 1.267 | 4 | 14.3 | 487.39 | 13.78 | 9 | 12 | 225 | 24.3 | 7.94 |
| 281182700 | WASH complex subunit FAM21C isoform 3 [Homo sapiens] | 0.88 | 10 | 1 | 1 | 1 | 0.972 | 1 |  | 1.040 | 1 |  | 35.45 | 0.88 | 1 | 1 | 1245 | 136.5 | 4.74 |
| 124248516 | neutrophil defensin 1 precursor [Homo sapiens] | 67.02 | 2 | 9 | 9 | 198 | 0.972 | 88 | 6.6 | 1.261 | 85 | 24.3 | 3321.93 | 67.02 | 22 | 198 | 94 | 10.2 | 6.99 |
| 530425159 | PREDICTED: neutrophil elastase isoform X1 [Homo sapiens] | 52.43 | 1 | 10 | 10 | 185 | 0.972 | 69 | 10.1 | 1.281 | 67 | 19.6 | 9997.96 | 52.43 | 26 | 185 | 267 | 28.5 | 9.35 |
| 4827036 | peptidoglycan recognition protein 1 precursor [Homo sapiens] | 53.06 | 1 | 6 | 6 | 78 | 0.972 | 28 | 5.5 | 1.222 | 28 | 32.8 | 4363.24 | 53.06 | 17 | 78 | 196 | 21.7 | 8.59 |
| 206597515 | arf-GAP with Rho-GAP domain, ANK repeat and PH domain-contain | 1.94 | 3 | 2 | 2 | 5 | 0.972 | 2 | 6.6 | 1.143 | 2 | 16.5 | 202.73 | 1.94 | 5 | 5 | 1133 | 127.6 | 6.14 |
| 225543094 | interstitial collagenase isoform 2 [Homo sapiens] | 4.47 | 2 | 2 | 2 | 5 | 0.972 | 2 | 1.9 | 1.367 | 2 | 5.6 | 188.35 | 4.47 | 5 | 5 | 403 | 46.2 | 6.77 |
| 21361302 | kallistatin isoform 2 precursor [Homo sapiens] | 2.11 | 2 | 1 | 1 | 3 | 0.972 | 1 |  | 1.166 | 1 |  | 129.40 | 2.11 | 3 | 3 | 427 | 48.5 | 7.75 |
| 17999541 | vacuolar protein sorting-associated protein 35 [Homo sapiens] | 10.93 | 2 | 8 | 8 | 41 | 0.972 | 14 | 3.4 | 1.288 | 14 | 17.3 | 1478.53 | 10.93 | 24 | 41 | 796 | 91.6 | 5.49 |
| 22202611 | carboxypeptidase D isoform 1 precursor [Homo sapiens] | 1.38 | 1 | 1 | 1 | 6 | 0.972 | 3 | 0.6 | 1.277 | 3 | 10.9 | 83.62 | 1.38 | 2 | 6 | 1380 | 152.8 | 6.05 |
| 9506741 | glycine N-methyltransferase [Homo sapiens] | 2.37 | 1 | 1 | 1 | 1 | 0.971 | 1 |  | **2.276** | 1 |  | 29.92 | 2.37 | 1 | 1 | 295 | 32.7 | 7.02 |
| 166197660 | complement component C8 gamma chain precursor [Homo sapiens | 52.48 | 1 | 7 | 7 | 43 | 0.971 | 16 | 7.7 | 1.287 | 15 | 14.7 | 2008.70 | 52.48 | 18 | 43 | 202 | 22.3 | 8.31 |
| 530373816 | PREDICTED: protein TFG isoform X2 [Homo sapiens] | 4.55 | 2 | 2 | 2 | 4 | 0.971 | 2 | 2.1 | 1.035 | 2 | 26.1 | 155.08 | 4.55 | 4 | 4 | 396 | 43.0 | 5.17 |
| 7524346 | adenylate kinase 2, mitochondrial isoform b [Homo sapiens] | 11.21 | 3 | 2 | 2 | 7 | 0.971 | 3 | 11.7 | 1.178 | 3 | 36.3 | 229.61 | 11.21 | 5 | 7 | 232 | 25.6 | 7.88 |
| 7657069 | ERO1-like protein alpha precursor [Homo sapiens] | 5.34 | 1 | 2 | 2 | 6 | 0.971 | 2 | 2.7 | 1.041 | 2 | 3.8 | 316.80 | 5.34 | 6 | 6 | 468 | 54.4 | 5.68 |
| 567316250 | ribokinase isoform 2 [Homo sapiens] | 7.45 | 2 | 2 | 2 | 4 | 0.971 | 2 | 0.1 | 1.155 | 2 | 12.9 | 91.01 | 7.45 | 4 | 4 | 255 | 27.1 | 4.73 |
| 145275185 | UPF0160 protein MYG1, mitochondrial precursor [Homo sapiens] | 2.66 | 1 | 1 | 1 | 2 | 0.971 | 1 |  | 0.873 | 1 |  | 80.21 | 2.66 | 2 | 2 | 376 | 42.4 | 6.67 |
| 530395488 | PREDICTED: lysosomal acid phosphatase isoform X4 [Homo sapien | 2.12 | 7 | 1 | 1 | 1 | 0.971 | 1 |  | 1.263 | 1 |  | 26.27 | 2.12 | 1 | 1 | 236 | 26.6 | 5.38 |
| 56550081 | mitotic checkpoint protein BUB3 isoform b [Homo sapiens] | 4.60 | 2 | 2 | 2 | 5 | 0.971 | 2 | 8.0 | 1.120 | 2 | 17.8 | 81.25 | 4.60 | 5 | 5 | 326 | 36.9 | 6.84 |
| 578815059 | PREDICTED: cathepsin B isoform X1 [Homo sapiens] | 17.99 | 1 | 5 | 5 | 32 | 0.971 | 12 | 7.2 | 1.077 | 12 | 6.9 | 1071.82 | 17.99 | 12 | 32 | 339 | 37.8 | 6.30 |
| 4506209 | 26S protease regulatory subunit 7 isoform 1 [Homo sapiens] | 6.00 | 2 | 2 | 2 | 11 | 0.971 | 4 | 1.3 | 1.121 | 4 | 9.0 | 390.99 | 6.00 | 6 | 11 | 433 | 48.6 | 5.95 |
| 530371375 | PREDICTED: espin-like protein isoform X2 [Homo sapiens] | 1.10 | 2 | 1 | 1 | 2 | 0.970 | 1 |  | 1.227 | 1 |  | 55.89 | 1.10 | 2 | 2 | 637 | 69.1 | 6.15 |
| 11342670 | azurocidin preproprotein [Homo sapiens] | 53.39 | 1 | 9 | 9 | 194 | 0.970 | 71 | 7.1 | 1.262 | 71 | 13.5 | 9717.57 | 53.39 | 27 | 194 | 251 | 26.9 | 9.50 |
| 5901998 | U6 snRNA-associated Sm-like protein LSm6 [Homo sapiens] | 13.75 | 1 | 1 | 1 | 3 | 0.970 | 1 |  | 1.156 | 1 |  | 118.50 | 13.75 | 3 | 3 | 80 | 9.1 | 9.58 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 530381903 | PREDICTED: high mobility group protein HMG-I/HMG-Y isoform X3 | 35.51 | 1 | 1 | 3 | 8 | 0.970 | 1 |  | 1.292 | 1 |  | 219.62 | 35.51 | 7 | 8 | 107 | 11.7 | 10.32 |
| 52317237 | olfactory receptor 4C6 [Homo sapiens] | 2.27 | 1 | 1 | 1 | 2 | 0.970 | 2 | 4.4 | 1.619 | 2 | 50.6 | 33.08 | 2.27 | 1 | 2 | 309 | 34.5 | 8.13 |
| 5902102 | small nuclear ribonucleoprotein Sm D1 isoform 1 [Homo sapiens] | 36.97 | 2 | 3 | 3 | 26 | 0.970 | 9 | 5.9 | 1.131 | 9 | 13.6 | 981.97 | 36.97 | 9 | 26 | 119 | 13.3 | 11.56 |
| 578799295 | PREDICTED: formin-binding protein 1-like isoform X1 [Homo sapie | 1.13 | 4 | 1 | 1 | 15 | 0.970 | 7 | 7.3 | 1.315 | 7 | 14.7 | 156.56 | 1.13 | 3 | 15 | 533 | 61.8 | 5.94 |
| 4502419 | flavin reductase (NADPH) [Homo sapiens] | 59.71 | 1 | 8 | 8 | 74 | 0.970 | 27 | 8.9 | 1.034 | 27 | 5.5 | 3541.53 | 59.71 | 23 | 74 | 206 | 22.1 | 7.65 |
| 4503771 | protein farnesyltransferase/geranylgeranyltransferase type-1 subur | 3.69 | 1 | 2 | 2 | 6 | 0.970 | 2 | 0.4 | 1.208 | 2 | 9.0 | 95.56 | 3.69 | 6 | 6 | 379 | 44.4 | 5.08 |
| 33286420 | pyruvate kinase PKM isoform b [Homo sapiens] | 76.65 | 36 | 2 | 47 | 853 | 0.970 | 4 | 9.4 | 1.337 | 4 | 23.6 | 37814.24 | 76.65 | 133 | 853 | 531 | 58.0 | 7.71 |
| 383872515 | ubiquitin-conjugating enzyme E2 variant 1 isoform g [Homo sapien | 48.57 | 31 | 6 | 7 | 23 | 0.969 | 7 | 2.3 | 1.040 | 7 | 9.2 | 651.46 | 48.57 | 18 | 23 | 105 | 12.0 | 9.72 |
| 22550104 | ubiquitin carboxyl-terminal hydrolase 32 [Homo sapiens] | 0.37 | 1 | 1 | 1 | 2 | 0.969 | 1 |  | 0.769 | 1 |  | 33.94 | 0.37 | 2 | 2 | 1604 | 181.5 | 6.44 |
| 578838500 | PREDICTED: putative bifunctional UDP-N-acetylglucosamine transf | 1.53 | 11 | 1 | 1 | 1 | 0.969 | 1 |  | 1.046 | 1 |  | 22.82 | 1.53 | 1 | 1 | 652 | 71.4 | 6.79 |
| 34147630 | elongation factor Tu, mitochondrial precursor [Homo sapiens] | 3.74 | 1 | 1 | 1 | 6 | 0.969 | 2 | 3.8 | 1.032 | 2 | 14.4 | 291.94 | 3.74 | 3 | 6 | 455 | 49.8 | 7.61 |
| 544186040 | protein disulfide-isomerase A6 isoform e precursor [Homo sapiens] | 16.25 | 8 | 6 | 6 | 21 | 0.969 | 8 | 3.7 | 1.101 | 8 | 16.3 | 1081.34 | 16.25 | 17 | 21 | 437 | 47.8 | 5.08 |
| 82880645 | ubiquitin carboxyl-terminal hydrolase 14 isoform b [Homo sapiens] | 10.68 | 2 | 4 | 4 | 21 | 0.969 | 8 | 9.0 | 1.054 | 8 | 7.8 | 894.84 | 10.68 | 12 | 21 | 459 | 52.4 | 5.78 |
| 4506549 | non-secretory ribonuclease precursor [Homo sapiens] | 19.88 | 1 | 3 | 3 | 24 | 0.969 | 8 | 8.9 | 1.244 | 8 | 19.5 | 1021.40 | 19.88 | 9 | 24 | 161 | 18.3 | 8.73 |
| 4506127 | ribose-phosphate pyrophosphokinase 1 isoform 1 [Homo sapiens] | 18.24 | 5 | 4 | 4 | 17 | 0.969 | 5 | 8.7 | 1.115 | 5 | 12.0 | 811.31 | 18.24 | 11 | 17 | 318 | 34.8 | 6.98 |
| 315221152 | 60S ribosomal protein L11 isoform 2 [Homo sapiens] | 10.73 | 2 | 1 | 2 | 8 | 0.968 | 1 |  | 1.266 | 1 |  | 156.44 | 10.73 | 6 | 8 | 177 | 20.1 | 9.60 |
| 578802657 | PREDICTED: SET and MYND domain-containing protein 5 isoform X | 1.91 | 4 | 1 | 1 | 2 | 0.968 | 1 |  | 1.256 | 1 |  | 33.42 | 1.91 | 2 | 2 | 366 | 41.7 | 4.83 |
| 217416409 | transmembrane protein 17 [Homo sapiens] | 4.55 | 1 | 1 | 1 | 1 | 0.968 | 1 |  |  |  |  | 28.32 | 4.55 | 1 | 1 | 198 | 23.0 | 6.79 |
| 115527062 | collagen alpha-2(VI) chain isoform 2C2 precursor [Homo sapiens] | 2.16 | 3 | 2 | 2 | 5 | 0.968 | 2 | 5.8 | 1.054 | 2 | 10.8 | 128.77 | 2.16 | 5 | 5 | 1019 | 108.5 | 6.21 |
| 530421646 | PREDICTED: mediator of RNA polymerase II transcription subunit 1 | 0.67 | 4 | 1 | 1 | 1 | 0.968 | 1 |  | 1.156 | 1 |  | 28.83 | 0.67 | 1 | 1 | 1338 | 148.5 | 8.60 |
| 530385607 | PREDICTED: leucine-rich repeat and WD repeat-containing protein | 2.22 | 3 | 1 | 1 | 1 | 0.968 | 1 |  | 1.519 | 1 |  | 35.72 | 2.22 | 1 | 1 | 495 | 53.7 | 6.93 |
| 17158044 | 40S ribosomal protein S6 [Homo sapiens] | 6.83 | 32 | 1 | 2 | 6 | 0.968 | 1 |  | 1.442 | 1 |  | 148.00 | 6.83 | 6 | 6 | 249 | 28.7 | 10.84 |
| 530423350 | PREDICTED: importin-5 isoform X2 [Homo sapiens] | 3.59 | 1 | 2 | 2 | 6 | 0.968 | 2 | 1.4 | 1.234 | 2 | 18.5 | 392.39 | 3.59 | 6 | 6 | 1115 | 125.5 | 4.92 |
| 336391093 | ras-related protein Rab-2A isoform b [Homo sapiens] | 19.15 | 4 | 3 | 3 | 9 | 0.968 | 3 | 3.5 | 1.099 | 3 | 9.1 | 486.74 | 19.15 | 9 | 9 | 188 | 20.8 | 6.11 |
| 4503513 | eukaryotic translation initiation factor 3 subunit I [Homo sapiens] | 2.77 | 1 | 1 | 1 | 3 | 0.968 | 1 |  | 0.930 | 1 |  | 96.14 | 2.77 | 3 | 3 | 325 | 36.5 | 5.64 |
| 4885153 | crk-like protein [Homo sapiens] | 9.57 | 1 | 2 | 2 | 6 | 0.968 | 2 | 1.5 | 1.293 | 2 | 14.1 | 265.31 | 9.57 | 6 | 6 | 303 | 33.8 | 6.74 |
| 530416665 | PREDICTED: inactive serine/threonine-protein kinase VRK3 isoform | 1.46 | 3 | 1 | 1 | 2 | 0.968 | 2 | 1.9 | 1.145 | 2 | 4.9 | 24.55 | 1.46 | 1 | 2 | 412 | 45.9 | 9.09 |
| 126032350 | DNA-dependent protein kinase catalytic subunit isoform 2 [Homo s | 2.56 | 25 | 9 | 9 | 34 | 0.967 | 10 | 5.2 | 1.169 | 10 | 13.7 | 737.69 | 2.56 | 24 | 34 | 4097 | 465.2 | 7.17 |
| 578796778 | PREDICTED: putative UPF0607 protein ENSP00000383144 [Homo s | 1.92 | 2 | 1 | 1 | 2 | 0.967 | 1 |  | 1.120 | 1 |  | 25.48 | 1.92 | 2 | 2 | 416 | 46.1 | 10.65 |
| 301171475 | ATP-dependent RNA helicase DDX3X isoform 3 [Homo sapiens] | 3.87 | 6 | 1 | 2 | 6 | 0.967 | 1 |  | 1.096 | 1 |  | 320.34 | 3.87 | 6 | 6 | 646 | 71.3 | 6.62 |
| 13124875 | myosin-11 isoform SM2A [Homo sapiens] | 9.03 | 17 | 1 | 19 | 165 | 0.967 | 1 |  | 0.911 | 1 |  | 6515.52 | 9.03 | 53 | 165 | 1938 | 223.4 | 5.53 |
| 222352151 | poly(rC)-binding protein 1 [Homo sapiens] | 19.38 | 1 | 3 | 5 | 14 | 0.966 | 4 | 2.0 | 1.134 | 4 | 5.5 | 476.74 | 19.38 | 11 | 14 | 356 | 37.5 | 7.09 |
| 578805786 | PREDICTED: bis(5'-adenosyl)-triphosphatase isoform X4 [Homo sa | 6.12 | 2 | 1 | 1 | 3 | 0.966 | 1 |  | 1.120 | 1 |  | 110.06 | 6.12 | 3 | 3 | 147 | 16.8 | 7.08 |
| 324120908 | doublecortin domain-containing protein 5 [Homo sapiens] | 0.67 | 1 | 1 | 1 | 2 | 0.965 | 1 |  | 1.090 | 1 |  | 28.34 | 0.67 | 2 | 2 | 890 | 100.3 | 8.95 |
| 4506221 | 26S proteasome non-ATPase regulatory subunit 12 isoform 1 [Hom | 12.06 | 2 | 4 | 4 | 14 | 0.965 | 5 | 5.2 | 1.438 | 5 | 17.3 | 664.56 | 12.06 | 11 | 14 | 456 | 52.9 | 7.65 |
| 530391261 | PREDICTED: TBC1 domain family member 13 isoform X1 [Homo sa | 2.47 | 1 | 1 | 1 | 4 | 0.965 | 2 | 13.8 | 1.160 | 2 | 6.0 | 55.43 | 2.47 | 2 | 4 | 324 | 37.7 | 4.97 |
| 237649049 | small nuclear ribonucleoprotein Sm D2 isoform 2 [Homo sapiens] | 43.52 | 2 | 4 | 4 | 16 | 0.965 | 6 | 0.4 | 1.240 | 6 | 7.5 | 535.03 | 43.52 | 11 | 16 | 108 | 12.4 | 9.89 |
| 31377468 | dedicator of cytokinesis protein 2 [Homo sapiens] | 2.19 | 7 | 4 | 4 | 10 | 0.965 | 4 | 0.8 | 1.221 | 4 | 33.7 | 274.60 | 2.19 | 10 | 10 | 1830 | 211.8 | 6.87 |
| 4507231 | single-stranded DNA-binding protein, mitochondrial precursor [Hon | 4.05 | 2 | 1 | 1 | 2 | 0.964 | 1 |  | 1.193 | 1 |  | 27.48 | 4.05 | 2 | 2 | 148 | 17.2 | 9.60 |
| 7657015 | tRNA-splicing ligase RtcB homolog [Homo sapiens] | 1.98 | 1 | 1 | 1 | 4 | 0.964 | 2 | 4.9 | 1.143 | 2 | 8.7 | 102.01 | 1.98 | 3 | 4 | 505 | 55.2 | 7.23 |
| 578823733 | PREDICTED: matrix metalloproteinase-19 isoform X1 [Homo sapier | 3.58 | 4 | 1 | 2 | 10 | 0.964 | 2 | 3.8 | 1.127 | 2 | 16.9 | 164.61 | 3.58 | 6 | 10 | 279 | 31.7 | 7.94 |
| 530374793 | PREDICTED: DCN1-like protein 1 isoform X1 [Homo sapiens] | 9.84 | 2 | 2 | 2 | 7 | 0.964 | 3 | 9.8 | 1.220 | 3 | 18.8 | 315.42 | 9.84 | 5 | 7 | 244 | 28.3 | 4.98 |
| 530392249 | PREDICTED: FERM domain-containing protein 4A isoform X7 [Hom | 0.86 | 13 | 1 | 1 | 1 | 0.964 | 1 |  | 1.143 | 1 |  | 0.00 | 0.86 | 1 | 1 | 701 | 76.9 | 8.94 |
| 4507467 | transforming growth factor-beta-induced protein ig-h3 precursor [H | 35.87 | 1 | 16 | 17 | 102 | 0.964 | 35 | 7.3 | 1.177 | 34 | 17.9 | 4142.41 | 35.87 | 47 | 102 | 683 | 74.6 | 7.71 |
| 530363595 | PREDICTED: zinc finger MYM-type protein 4 isoform X4 [Homo sap | 1.06 | 6 | 2 | 2 | 2 | 0.964 | 1 |  | 2.168 | 1 |  | 19.93 | 1.06 | 2 | 2 | 1224 | 136.2 | 8.13 |
| 48762934 | collagen alpha-2(I) chain precursor [Homo sapiens] | 1.83 | 1 | 2 | 2 | 6 | 0.964 | 2 | 2.1 | 1.179 | 2 | 3.1 | 382.56 | 1.83 | 6 | 6 | 1366 | 129.2 | 8.95 |
| 42794779 | unconventional myosin-XVIIIa isoform b [Homo sapiens] | 1.86 | 5 | 3 | 3 | 7 | 0.963 | 3 | 4.5 | 1.110 | 3 | 14.0 | 387.95 | 1.86 | 7 | 7 | 2039 | 231.1 | 6.20 |
| 14141159 | heterogeneous nuclear ribonucleoprotein H3 isoform b [Homo sapi | 7.55 | 4 | 1 | 2 | 6 | 0.963 | 1 |  | 1.174 | 1 |  | 346.74 | 7.55 | 6 | 6 | 331 | 35.2 | 6.87 |
| 118918435 | von Willebrand factor A domain-containing protein 3B [Homo sapie | 0.54 | 3 | 1 | 1 | 4 | 0.963 | 2 | 20.0 | 1.188 | 2 | 19.4 | 105.97 | 0.54 | 2 | 4 | 1294 | 145.7 | 7.33 |
| 149999611 | signal recognition particle 14 kDa protein [Homo sapiens] | 25.74 | 1 | 4 | 4 | 14 | 0.963 | 5 | 13.1 | 1.117 | 5 | 10.2 | 646.37 | 25.74 | 11 | 14 | 136 | 14.6 | 10.04 |
| 4557795 | merlin isoform 1 [Homo sapiens] | 2.02 | 25 | 1 | 2 | 9 | 0.963 | 3 | 1.1 | 1.041 | 3 | 7.6 | 87.25 | 2.02 | 5 | 9 | 595 | 69.6 | 6.47 |
| 7705753 | complement C1q subcomponent subunit A precursor [Homo sapien | 17.55 | 1 | 3 | 3 | 26 | 0.962 | 9 | 2.4 | 1.264 | 8 | 5.1 | 1105.73 | 17.55 | 9 | 26 | 245 | 26.0 | 9.11 |
| 19913408 | DNA topoisomerase 2-beta [Homo sapiens] | 0.68 | 2 | 1 | 1 | 2 | 0.962 | 1 |  | 1.190 | 1 |  | 62.09 | 0.68 | 2 | 2 | 1621 | 182.5 | 8.06 |
| 530414090 | PREDICTED: alpha-protein kinase 2 isoform X1 [Homo sapiens] | 0.53 | 2 | 1 | 1 | 8 | 0.962 | 2 | 20.9 | 1.132 | 2 | 6.6 | 122.14 | 0.53 | 3 | 8 | 1501 | 163.7 | 5.44 |
| 578811811 | PREDICTED: transcriptional-regulating factor 1 isoform X8 [Homo s | 1.08 | 7 | 1 | 1 | 1 | 0.962 | 1 |  | 1.347 | 1 |  | 28.58 | 1.08 | 1 | 1 | 741 | 80.8 | 6.51 |
| 379698844 | coiled-coil domain-containing protein 51 isoform 2 [Homo sapiens] | 2.32 | 2 | 1 | 1 | 2 | 0.962 | 1 |  | 1.215 | 1 |  | 42.34 | 2.32 | 2 | 2 | 302 | 33.6 | 6.96 |
| 530413435 | PREDICTED: myb-related transcription factor, partner of profilin-lik | 1.61 | 6 | 1 | 1 | 1 | 0.962 | 1 |  | 1.075 | 1 |  | 29.57 | 1.61 | 1 | 1 | 311 | 33.9 | 12.12 |
| 341604768 | 60S ribosomal protein L13 isoform 2 [Homo sapiens] | 5.73 | 2 | 1 | 1 | 3 | 0.962 | 1 |  | 1.095 | 1 |  | 186.15 | 5.73 | 3 | 3 | 192 | 22.2 | 11.65 |
| 257900451 | piezo-type mechanosensitive ion channel component 2 [Homo sapi | 0.18 | 1 | 1 | 1 | 2 | 0.961 | 2 | 3.6 | 1.633 | 2 | 80.4 | 28.95 | 0.18 | 1 | 2 | 2752 | 317.9 | 6.15 |
| 578816096 | PREDICTED: zinc finger protein ZFAT isoform X1 [Homo sapiens] | 0.83 | 5 | 1 | 1 | 1 | 0.961 | 1 |  | 1.228 | 1 |  | 29.24 | 0.83 | 1 | 1 | 845 | 94.3 | 7.53 |
| 530365604 | PREDICTED: rho guanine nucleotide exchange factor 2 isoform X9 | 1.22 | 11 | 1 | 1 | 3 | 0.961 | 1 |  | 1.082 | 1 |  | 123.10 | 1.22 | 3 | 3 | 817 | 92.8 | 5.71 |
| 5031981 | 26S proteasome non-ATPase regulatory subunit 14 [Homo sapiens | 20.32 | 1 | 3 | 3 | 17 | 0.961 | 7 | 10.5 | 1.283 | 6 | 34.5 | 672.14 | 20.32 | 7 | 17 | 310 | 34.6 | 6.52 |
| 530378067 | PREDICTED: hedgehog-interacting protein isoform X1 [Homo sapie | 1.03 | 3 | 1 | 1 | 2 | 0.961 | 1 |  | 1.553 | 1 |  | 27.88 | 1.03 | 2 | 2 | 682 | 76.8 | 8.02 |
| 578810348 | PREDICTED: microtubule-associated serine/threonine-protein kinas | 0.26 | 11 | 1 | 1 | 2 | 0.960 | 1 |  | 1.483 | 1 |  | 25.60 | 0.26 | 2 | 2 | 2275 | 247.6 | 8.54 |
| 27754778 | ficolin-3 isoform 2 precursor [Homo sapiens] | 7.99 | 2 | 2 | 2 | 11 | 0.960 | 4 | 0.9 | 1.257 | 4 | 14.0 | 302.20 | 7.99 | 6 | 11 | 288 | 31.7 | 6.84 |
| 46094009 | melanoma inhibitory activity protein 2 precursor [Homo sapiens] | 1.53 | 1 | 1 | 1 | 7 | 0.960 | 3 | 3.2 | 1.834 | 3 | 25.8 | 112.44 | 1.53 | 3 | 7 | 654 | 74.0 | 4.34 |
| 619328949 | cytoplasmic FMR1-interacting protein 2 isoform b [Homo sapiens] | 3.83 | 5 | 4 | 4 | 20 | 0.960 | 7 | 8.6 | 1.103 | 7 | 6.8 | 903.06 | 3.83 | 12 | 20 | 1227 | 142.5 | 7.17 |
| 10645195 | histone H2A type 1-B/E [Homo sapiens] | 37.69 | 5 | 1 | 5 | 37 | 0.959 | 1 |  | 1.118 | 1 |  | 834.17 | 37.69 | 14 | 37 | 130 | 14.1 | 11.05 |
| 530394084 | PREDICTED: pleckstrin homology domain-containing family A mem | 1.50 | 5 | 1 | 1 | 1 | 0.959 | 1 |  | 1.436 | 1 |  | 22.84 | 1.50 | 1 | 1 | 334 | 38.1 | 8.97 |
| 530426392 | PREDICTED: fatty-acid amide hydrolase 2 isoform X6 [Homo sapie | 2.35 | 6 | 1 | 1 | 1 | 0.959 | 1 |  | 1.056 | 1 |  | 27.15 | 2.35 | 1 | 1 | 341 | 37.1 | 9.10 |
| 154146262 | IgGFc-binding protein precursor [Homo sapiens] | 1.17 | 1 | 3 | 3 | 9 | 0.959 | 3 | 3.0 | 1.120 | 3 | 6.5 | 533.37 | 1.17 | 9 | 9 | 5405 | 571.6 | 5.34 |
| 30842829 | PHD finger protein 12 isoform 2 [Homo sapiens] | 0.99 | 5 | 1 | 1 | 1 | 0.959 | 1 |  | 1.140 | 1 |  | 22.94 | 0.99 | 1 | 1 | 704 | 76.9 | 7.68 |
| 5729770 | tripeptidyl-peptidase 1 preproprotein [Homo sapiens] | 7.28 | 1 | 2 | 2 | 12 | 0.959 | 4 | 3.9 | 1.151 | 4 | 6.2 | 750.71 | 7.28 | 6 | 12 | 563 | 61.2 | 6.48 |
| 11386157 | cytidine deaminase [Homo sapiens] | 71.92 | 1 | 6 | 6 | 41 | 0.958 | 15 | 3.6 | 1.054 | 15 | 10.0 | 1811.19 | 71.92 | 18 | 41 | 146 | 16.2 | 6.92 |
| 156631005 | 26S proteasome non-ATPase regulatory subunit 8 [Homo sapiens] | 2.57 | 1 | 1 | 1 | 2 | 0.958 | 1 |  | 1.114 | 1 |  | 113.01 | 2.57 | 2 | 2 | 350 | 39.6 | 9.70 |
| 578824635 | PREDICTED: uncharacterized protein LOC102723902 [Homo sapier | 6.90 | 1 | 1 | 1 | 1 | 0.958 | 1 |  | 1.099 | 1 |  | 29.67 | 6.90 | 1 | 1 | 116 | 12.5 | 11.81 |
| 11415026 | 60S ribosomal protein L18a [Homo sapiens] | 7.39 | 1 | 1 | 1 | 3 | 0.958 | 1 |  | 0.879 | 1 |  | 157.81 | 7.39 | 3 | 3 | 176 | 20.7 | 10.71 |
| 530384161 | PREDICTED: sorting nexin-3 isoform X2 [Homo sapiens] | 5.71 | 2 | 1 | 1 | 3 | 0.958 | 1 |  | 1.117 | 1 |  | 58.73 | 5.71 | 3 | 3 | 140 | 16.3 | 6.80 |
| 345441758 | MAP kinase-activated protein kinase 3 [Homo sapiens] | 2.88 | 1 | 1 | 1 | 3 | 0.958 | 1 |  | 1.148 | 1 |  | 184.38 | 2.88 | 3 | 3 | 382 | 43.0 | 7.28 |
| 6912638 | ras suppressor protein 1 isoform 1 [Homo sapiens] | 53.43 | 3 | 9 | 9 | 25 | 0.957 | 9 | 12.8 | 1.136 | 9 | 13.1 | 1099.99 | 53.43 | 25 | 25 | 277 | 31.5 | 8.65 |
| 56790932 | echinoderm microtubule-associated protein-like 1 isoform a [Homo | 1.08 | 1 | 1 | 1 | 2 | 0.957 | 1 |  | 1.469 | 1 |  | 35.34 | 1.08 | 2 | 2 | 834 | 91.9 | 7.43 |
| 4506195 | proteasome subunit beta type-2 isoform 1 [Homo sapiens] | 27.86 | 3 | 5 | 5 | 28 | 0.957 | 10 | 9.9 | 1.227 | 10 | 17.1 | 1024.55 | 27.86 | 15 | 28 | 201 | 22.8 | 7.02 |
| 5729999 | ras-related GTP-binding protein A [Homo sapiens] | 6.71 | 32 | 1 | 3 | 42 | 0.957 | 1 |  | 1.156 | 1 |  | 618.59 | 6.71 | 9 | 42 | 313 | 36.5 | 7.72 |
| 223671861 | properdin precursor [Homo sapiens] | 21.32 | 1 | 8 | 8 | 36 | 0.957 | 14 | 3.7 | 1.275 | 14 | 19.1 | 1608.98 | 21.32 | 20 | 36 | 469 | 51.2 | 7.90 |
| 62530391 | selenoprotein P isoform 1 precursor [Homo sapiens] | 2.10 | 2 | 1 | 1 | 9 | 0.957 | 3 | 8.9 | 1.173 | 3 | 2.2 | 166.22 | 2.10 | 3 | 9 | 381 | 43.2 | 7.87 |
| 28893581 | LIM homeobox transcription factor 1-alpha [Homo sapiens] | 2.36 | 1 | 1 | 1 | 1 | 0.956 | 1 |  | 0.943 | 1 |  | 28.32 | 2.36 | 1 | 1 | 382 | 42.7 | 7.27 |
| 7662340 | MORC family CW-type zinc finger protein 2 [Homo sapiens] | 0.93 | 3 | 1 | 1 | 1 | 0.956 | 1 |  | 1.238 | 1 |  | 25.27 | 0.93 | 1 | 1 | 970 | 110.7 | 8.63 |
| 121114302 | cullin-4B isoform 2 [Homo sapiens] | 1.90 | 5 | 1 | 2 | 4 | 0.956 | 1 |  | 1.338 | 1 |  | 173.32 | 1.90 | 4 | 4 | 895 | 102.2 | 7.94 |
| 225543463 | protein TANC1 isoform 2 [Homo sapiens] | 0.58 | 8 | 2 | 2 | 30 | 0.956 | 6 | 14.1 | 1.555 | 5 | 52.9 | 480.31 | 0.58 | 4 | 30 | 1390 | 152.1 | 8.34 |
| 571026678 | transcription factor E4F1 isoform 3 [Homo sapiens] | 1.15 | 7 | 1 | 1 | 1 | 0.956 | 1 |  | 1.607 | 1 |  | 27.97 | 1.15 | 1 | 1 | 607 | 64.0 | 5.39 |
| 530390682 | PREDICTED: ATP-binding cassette sub-family A member 1 isoform | 0.42 | 6 | 1 | 1 | 3 | 0.956 | 1 |  | 2.082 | 1 |  | 36.80 | 0.42 | 3 | 3 | 1659 | 186.5 | 6.40 |
| 530412767 | PREDICTED: signal transducer and activator of transcription 5B iso | 2.82 | 2 | 1 | 1 | 3 | 0.956 | 1 |  | 1.102 | 1 |  | 160.13 | 2.82 | 3 | 3 | 497 | 56.8 | 6.37 |
| 144446030 | lymphocyte antigen 75 precursor [Homo sapiens] | 0.29 | 4 | 1 | 1 | 1 | 0.956 | 1 |  | 1.154 | 1 |  | 36.55 | 0.29 | 1 | 1 | 1722 | 198.2 | 6.67 |
| 578813708 | PREDICTED: engulfment and cell motility protein 1 isoform X3 [Hor | 5.64 | 57 | 2 | 3 | 8 | 0.956 | 2 | 17.9 | 1.516 | 2 | 9.2 | 310.91 | 5.64 | 8 | 8 | 727 | 83.8 | 6.28 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33589854 | biliverdin reductase A precursor [Homo sapiens] | 25.00 | 1 | 5 | 5 | 17 | 0.955 | 6 | 12.5 | 1.201 | 6 | 12.8 | 562.77 | 25.00 | 14 | 17 | 296 | 33.4 | 6.44 |
| 530413726 | PREDICTED: trafficking protein particle complex subunit 8 isoform | 0.69 | 5 | 1 | 1 | 1 | 0.955 | 1 |  |  |  |  | 27.20 | 0.69 | 1 | 1 | 1161 | 130.1 | 7.52 |
| 167900484 | pentraxin-related protein PTX3 precursor [Homo sapiens] | 10.50 | 1 | 3 | 3 | 9 | 0.955 | 3 | 17.2 | 1.212 | 3 | 1.9 | 549.74 | 10.50 | 9 | 9 | 381 | 41.9 | 5.01 |
| 4506901 | serine/arginine-rich splicing factor 3 [Homo sapiens] | 26.83 | 1 | 4 | 4 | 10 | 0.955 | 4 | 4.2 | 1.255 | 4 | 1.7 | 317.86 | 26.83 | 10 | 10 | 164 | 19.3 | 11.65 |
| 49472822 | eukaryotic translation initiation factor 3 subunit G [Homo sapiens] | 2.50 | 1 | 1 | 1 | 1 | 0.955 | 1 |  | 1.122 | 1 |  | 30.48 | 2.50 | 1 | 1 | 320 | 35.6 | 6.13 |
| 195972866 | keratin, type I cytoskeletal 10 [Homo sapiens] | 31.16 | 15 | 12 | 14 | 72 | 0.954 | 20 | 10.6 | 1.077 | 20 | 7.5 | 3690.33 | 31.16 | 42 | 72 | 584 | 58.8 | 5.21 |
| 4759224 | programmed cell death protein 5 [Homo sapiens] | 8.80 | 2 | 1 | 1 | 3 | 0.954 | 1 |  | 1.282 | 1 |  | 97.41 | 8.80 | 3 | 3 | 125 | 14.3 | 6.04 |
| 530382158 | PREDICTED: serpin B9 isoform X1 [Homo sapiens] | 5.32 | 3 | 1 | 2 | 12 | 0.954 | 1 |  | 0.897 | 1 |  | 472.77 | 5.32 | 6 | 12 | 376 | 42.4 | 5.86 |
| 530397198 | PREDICTED: syntaxin-3 isoform X6 [Homo sapiens] | 3.57 | 6 | 1 | 1 | 3 | 0.954 | 1 |  | 1.140 | 1 |  | 109.78 | 3.57 | 3 | 3 | 252 | 28.8 | 5.22 |
| 530410472 | PREDICTED: vacuolar protein sorting-associated protein 53 homolc | 1.25 | 4 | 1 | 1 | 1 | 0.953 | 1 |  | 1.110 | 1 |  | 30.07 | 1.25 | 1 | 1 | 641 | 72.4 | 7.83 |
| 283806699 | zinc finger BED domain-containing protein 1 [Homo sapiens] | 1.44 | 1 | 1 | 1 | 2 | 0.953 | 1 |  | 1.255 | 1 |  | 36.43 | 1.44 | 2 | 2 | 694 | 78.1 | 6.10 |
| 88501734 | integrin alpha-M isoform 2 precursor [Homo sapiens] | 14.67 | 3 | 14 | 14 | 47 | 0.953 | 16 | 9.4 | 1.131 | 16 | 11.8 | 1974.80 | 14.67 | 41 | 47 | 1152 | 127.1 | 7.23 |
| 66933016 | inosine-5'-monophosphate dehydrogenase 2 [Homo sapiens] | 3.70 | 2 | 1 | 1 | 2 | 0.953 | 1 |  | 1.797 | 1 |  | 129.29 | 3.70 | 2 | 2 | 514 | 55.8 | 6.90 |
| 530409856 | PREDICTED: chromodomain-helicase-DNA-binding protein 3 isoforr | 0.59 | 15 | 1 | 1 | 1 | 0.953 | 1 |  | 1.267 | 1 |  | 23.14 | 0.59 | 1 | 1 | 1185 | 134.9 | 6.67 |
| 531990811 | ubiquitin-conjugating enzyme E2 A isoform 4 [Homo sapiens] | 10.08 | 3 | 1 | 1 | 1 | 0.953 | 1 |  | 1.024 | 1 |  | 22.45 | 10.08 | 1 | 1 | 119 | 13.6 | 4.75 |
| 12965178 | taste receptor type 2 member 13 [Homo sapiens] | 2.64 | 1 | 1 | 1 | 4 | 0.953 | 2 | 2.2 | 1.140 | 2 | 31.2 | 60.83 | 2.64 | 2 | 4 | 303 | 35.1 | 9.66 |
| 64762445 | 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 isoform b | 7.01 | 17 | 3 | 3 | 8 | 0.952 | 3 | 3.2 | 1.172 | 3 | 7.9 | 282.48 | 7.01 | 8 | 8 | 471 | 54.4 | 7.56 |
| 118402586 | lactoylglutathione lyase [Homo sapiens] | 41.85 | 1 | 7 | 7 | 22 | 0.952 | 8 | 6.9 | 1.029 | 8 | 8.4 | 707.51 | 41.85 | 19 | 22 | 184 | 20.8 | 5.31 |
| 342349321 | interleukin-18 isoform 2 proprotein [Homo sapiens] | 4.23 | 2 | 1 | 1 | 6 | 0.952 | 2 | 5.1 | 1.143 | 2 | 19.7 | 93.70 | 4.23 | 3 | 6 | 189 | 21.9 | 4.78 |
| 4507509 | metalloproteinase inhibitor 1 precursor [Homo sapiens] | 5.80 | 1 | 1 | 1 | 3 | 0.952 | 1 |  | 1.043 | 1 |  | 173.10 | 5.80 | 3 | 3 | 207 | 23.2 | 8.10 |
| 7710145 | methyl-CpG-binding domain protein 2 testis-specific isoform [Homc | 1.99 | 4 | 1 | 1 | 1 | 0.952 | 1 |  | 1.057 | 1 |  | 29.50 | 1.99 | 1 | 1 | 302 | 31.7 | 10.78 |
| 4502643 | T-complex protein 1 subunit zeta isoform a [Homo sapiens] | 29.94 | 6 | 12 | 12 | 71 | 0.952 | 26 | 9.8 | 1.200 | 26 | 14.5 | 2789.40 | 29.94 | 34 | 71 | 531 | 58.0 | 6.68 |
| 100913206 | ATP-dependent RNA helicase A [Homo sapiens] | 3.15 | 1 | 4 | 4 | 12 | 0.951 | 4 | 2.7 | 1.255 | 4 | 8.3 | 380.72 | 3.15 | 10 | 12 | 1270 | 140.9 | 6.84 |
| 17978485 | vacuolar protein sorting-associated protein 18 homolog [Homo sap | 1.13 | 1 | 1 | 1 | 3 | 0.951 | 1 |  | 1.541 | 1 |  | 121.98 | 1.13 | 3 | 3 | 973 | 110.1 | 6.07 |
| 16306548 | serine--tRNA ligase, cytoplasmic [Homo sapiens] | 2.72 | 2 | 1 | 1 | 2 | 0.951 | 1 |  | 0.837 | 1 |  | 57.40 | 2.72 | 2 | 2 | 514 | 58.7 | 6.43 |
| 31742501 | sorting nexin-27 [Homo sapiens] | 1.89 | 2 | 1 | 1 | 3 | 0.950 | 1 |  | 1.245 | 1 |  | 125.91 | 1.89 | 3 | 3 | 528 | 59.8 | 6.32 |
| 154146216 | pleckstrin homology domain-containing family A member 2 [Homo | 1.65 | 1 | 1 | 1 | 2 | 0.950 | 1 |  | 1.892 | 1 |  | 33.04 | 1.65 | 2 | 2 | 425 | 47.2 | 8.66 |
| 91105767 | tyrosine-protein phosphatase non-receptor type substrate 1 precur | 7.94 | 4 | 3 | 3 | 8 | 0.950 | 3 | 3.2 | 1.298 | 3 | 4.0 | 345.37 | 7.94 | 8 | 8 | 504 | 54.9 | 6.98 |
| 39930541 | uncharacterized protein C9orf142 [Homo sapiens] | 13.24 | 1 | 1 | 1 | 2 | 0.950 | 1 |  |  |  |  | 44.22 | 13.24 | 2 | 2 | 204 | 21.6 | 5.48 |
| 530365262 | PREDICTED: protein S100-A7 isoform X1 [Homo sapiens] | 55.45 | 1 | 5 | 8 | 115 | 0.950 | 26 | 6.0 | 1.110 | 26 | 12.5 | 6266.67 | 55.45 | 24 | 115 | 101 | 11.5 | 6.77 |
| 21361176 | retinal dehydrogenase 1 [Homo sapiens] | 7.98 | 2 | 4 | 4 | 10 | 0.950 | 4 | 3.4 | 1.088 | 4 | 8.0 | 430.77 | 7.98 | 10 | 10 | 501 | 54.8 | 6.73 |
| 4507511 | metalloproteinase inhibitor 2 precursor [Homo sapiens] | 11.82 | 1 | 2 | 2 | 4 | 0.950 | 2 | 7.8 | 2.171 | 2 | 129.6 | 82.41 | 11.82 | 4 | 4 | 220 | 24.4 | 7.49 |
| 578824944 | PREDICTED: paraspeckle component 1 isoform X2 [Homo sapiens] | 5.39 | 2 | 1 | 1 | 3 | 0.950 | 1 |  | 1.008 | 1 |  | 79.57 | 5.39 | 3 | 3 | 427 | 49.2 | 6.43 |
| 371877525 | arachidonate 5-lipoxygenase isoform 2 [Homo sapiens] | 4.21 | 3 | 2 | 2 | 6 | 0.950 | 2 | 10.5 | 1.094 | 2 | 15.8 | 348.95 | 4.21 | 6 | 6 | 642 | 74.6 | 5.63 |
| 5174613 | nucleosome assembly protein 1-like 4 [Homo sapiens] | 2.93 | 1 | 1 | 1 | 3 | 0.949 | 1 |  | 1.440 | 1 |  | 93.96 | 2.93 | 3 | 3 | 375 | 42.8 | 4.69 |
| 530379765 | PREDICTED: eukaryotic peptide chain release factor subunit 1 isofc | 11.88 | 3 | 3 | 3 | 6 | 0.949 | 3 | 10.9 | 0.921 | 3 | 29.3 | 251.41 | 11.88 | 6 | 6 | 404 | 45.4 | 5.57 |
| 19923821 | dihydropyrimidinase-related protein 5 [Homo sapiens] | 1.24 | 1 | 1 | 1 | 6 | 0.949 | 3 | 1.1 | 1.116 | 3 | 18.4 | 74.65 | 1.24 | 2 | 6 | 564 | 61.4 | 7.20 |
| 557357768 | B-cell CLL/lymphoma 7 protein family member C isoform 1 [Homo | 4.55 | 7 | 1 | 2 | 6 | 0.949 | 1 |  | **2.577** | 1 |  | 80.81 | 4.55 | 6 | 6 | 242 | 26.4 | 10.76 |
| 388890228 | chitotriosidase-1 isoform 2 precursor [Homo sapiens] | 9.17 | 3 | 3 | 3 | 11 | 0.949 | 4 | 9.1 | 1.486 | 4 | 28.5 | 578.85 | 9.17 | 8 | 11 | 447 | 49.6 | 6.19 |
| 4505981 | platelet basic protein preproprotein [Homo sapiens] | 14.84 | 1 | 2 | 2 | 6 | 0.949 | 2 | 5.6 | 1.086 | 2 | 8.0 | 267.25 | 14.84 | 6 | 6 | 128 | 13.9 | 8.79 |
| 578798461 | PREDICTED: WD repeat-containing protein 65 isoform X4 [Homo s | 0.59 | 4 | 1 | 1 | 2 | 0.948 | 2 | 0.5 | 2.132 | 2 | 47.6 | 30.31 | 0.59 | 1 | 2 | 1192 | 138.4 | 5.64 |
| 392513662 | interleukin enhancer-binding factor 2 isoform 2 [Homo sapiens] | 2.84 | 2 | 1 | 1 | 6 | 0.948 | 2 | 3.2 | 1.098 | 2 | 5.0 | 245.41 | 2.84 | 3 | 6 | 352 | 38.9 | 4.94 |
| 4506691 | 40S ribosomal protein S16 [Homo sapiens] | 14.38 | 2 | 2 | 2 | 6 | 0.948 | 2 | 1.0 | 1.105 | 2 | 15.9 | 272.24 | 14.38 | 6 | 6 | 146 | 16.4 | 10.21 |
| 530386628 | PREDICTED: myosin regulatory light chain 10 isoform X1 [Homo sa | 6.80 | 1 | 1 | 1 | 2 | 0.947 | 1 |  | 1.204 | 1 |  | 105.21 | 6.80 | 2 | 2 | 147 | 16.9 | 4.70 |
| 11225266 | transient receptor potential cation channel subfamily M member 5 | 0.77 | 2 | 1 | 1 | 2 | 0.947 | 1 |  | 1.088 | 1 |  | 33.43 | 0.77 | 1 | 2 | 1165 | 131.4 | 6.77 |
| 578805877 | PREDICTED: filamin-B isoform X7 [Homo sapiens] | 3.84 | 9 | 1 | 9 | 43 | 0.946 | 1 |  | 1.247 | 1 |  | 1402.01 | 3.84 | 25 | 43 | 2109 | 225.9 | 6.00 |
| 530372374 | PREDICTED: histone-lysine N-methyltransferase SETD2 isoform X1 | 0.29 | 4 | 1 | 1 | 2 | 0.946 | 1 |  | 1.215 | 1 |  | 37.27 | 0.29 | 2 | 2 | 2058 | 230.7 | 5.80 |
| 578802374 | PREDICTED: obscurin isoform X32 [Homo sapiens] | 1.01 | 43 | 3 | 4 | 15 | 0.946 | 3 | 0.0 | 1.441 | 3 | 41.5 | 218.16 | 1.01 | 7 | 15 | 7297 | 796.4 | 5.83 |
| 530424129 | PREDICTED: COX assembly mitochondrial protein 2 homolog isofor | 4.97 | 1 | 1 | 1 | 1 | 0.946 | 1 |  | 1.248 | 1 |  | 30.11 | 4.97 | 1 | 1 | 181 | 19.7 | 8.97 |
| 530397403 | PREDICTED: cleavage and polyadenylation specificity factor subuni | 6.56 | 6 | 1 | 1 | 3 | 0.946 | 1 |  | 0.813 | 1 |  | 156.88 | 6.56 | 3 | 3 | 381 | 41.9 | 9.57 |
| 41393614 | ras-related protein Rab-5C isoform a [Homo sapiens] | 16.20 | 4 | 1 | 3 | 11 | 0.945 | 1 |  | 1.000 | 1 |  | 344.58 | 16.20 | 8 | 11 | 216 | 23.5 | 8.41 |
| 530400175 | PREDICTED: amphoterin-induced protein 2 isoform X1 [Homo sapi | 1.72 | 1 | 1 | 1 | 2 | 0.945 | 2 | 11.4 | 1.054 | 2 | 3.6 | 28.22 | 1.72 | 1 | 2 | 522 | 57.9 | 8.40 |
| 39753957 | torsin-1A-interacting protein 1 isoform 2 [Homo sapiens] | 2.40 | 1 | 1 | 1 | 3 | 0.945 | 1 |  | 1.068 | 1 |  | 217.09 | 2.40 | 3 | 3 | 583 | 66.2 | 8.18 |
| 387598071 | thioredoxin reductase 1, cytoplasmic isoform 5 [Homo sapiens] | 14.97 | 9 | 4 | 5 | 11 | 0.945 | 4 | 9.9 | 1.253 | 3 | 8.6 | 424.83 | 14.97 | 11 | 11 | 461 | 50.8 | 6.62 |
| 22538465 | proteasome subunit beta type-3 [Homo sapiens] | 31.71 | 1 | 5 | 5 | 21 | 0.945 | 9 | 4.5 | 1.047 | 9 | 7.4 | 796.63 | 31.71 | 13 | 21 | 205 | 22.9 | 6.55 |
| 115334675 | ubiquitin thioesterase otulin [Homo sapiens] | 1.99 | 1 | 1 | 1 | 2 | 0.945 | 1 |  | **2.387** | 1 |  | 36.14 | 1.99 | 2 | 2 | 352 | 40.2 | 5.47 |
| 66932916 | mitogen-activated protein kinase 1 [Homo sapiens] | 24.44 | 19 | 4 | 7 | 29 | 0.944 | 6 | 14.4 | 1.161 | 6 | 17.2 | 956.26 | 24.44 | 18 | 29 | 360 | 41.4 | 6.98 |
| 124028517 | transcription factor PU.1 isoform 2 [Homo sapiens] | 3.70 | 2 | 1 | 1 | 3 | 0.944 | 1 |  | 1.408 | 1 |  | 114.84 | 3.70 | 3 | 3 | 270 | 31.1 | 6.80 |
| 38201714 | ELAV-like protein 1 [Homo sapiens] | 3.37 | 1 | 1 | 1 | 3 | 0.944 | 1 |  | 1.159 | 1 |  | 103.89 | 3.37 | 3 | 3 | 326 | 36.1 | 9.17 |
| 8923541 | UPF0587 protein C1orf123 [Homo sapiens] | 10.63 | 1 | 1 | 1 | 1 | 0.944 | 1 |  | 1.121 | 1 |  | 25.18 | 10.63 | 1 | 1 | 160 | 18.0 | 5.01 |
| 154240671 | maestro heat-like repeat-containing protein family member 2B [Ho | 0.50 | 1 | 1 | 1 | 1 | 0.943 | 1 |  | 1.576 | 1 |  | 33.71 | 0.50 | 1 | 1 | 1585 | 180.7 | 6.28 |
| 530418502 | PREDICTED: dolichol-phosphate mannosyltransferase isoform X3 [I | 4.23 | 4 | 1 | 1 | 2 | 0.943 | 1 |  |  |  |  | 19.60 | 4.23 | 2 | 2 | 189 | 21.9 | 9.41 |
| 238908495 | pleckstrin homology domain-containing family D member 1 [Homo | 1.38 | 1 | 1 | 1 | 4 | 0.943 | 4 | 1.0 | 1.125 | 4 | 0.8 | 52.44 | 1.38 | 1 | 4 | 506 | 59.2 | 6.44 |
| 33356148 | formin-like protein 1 [Homo sapiens] | 3.27 | 10 | 3 | 3 | 9 | 0.943 | 3 | 14.2 | 1.320 | 3 | 8.6 | 177.94 | 3.27 | 9 | 9 | 1100 | 121.8 | 5.72 |
| 195539356 | proteasome subunit beta type-5 isoform 2 [Homo sapiens] | 7.50 | 2 | 1 | 1 | 3 | 0.943 | 1 |  | 0.986 | 1 |  | 128.71 | 7.50 | 3 | 3 | 160 | 17.8 | 7.24 |
| 578808222 | PREDICTED: actin filament-associated protein 1 isoform X3 [Homo | 0.90 | 3 | 1 | 1 | 1 | 0.942 | 1 |  | 0.918 | 1 |  | 24.78 | 0.90 | 1 | 1 | 558 | 62.1 | 6.71 |
| 209863034 | periostin isoform 4 precursor [Homo sapiens] | 47.67 | 5 | 1 | 26 | 159 | 0.942 | 1 |  | 1.040 | 1 |  | 7396.91 | 47.67 | 76 | 159 | 751 | 83.8 | 8.18 |
| 578832623 | PREDICTED: lisH domain and HEAT repeat-containing protein KIAA | 0.70 | 7 | 1 | 1 | 2 | 0.942 | 1 |  | **2.564** | 1 |  | 30.64 | 0.70 | 2 | 2 | 860 | 96.9 | 6.43 |
| 40806221 | thymocyte nuclear protein 1 isoform 1 [Homo sapiens] | 12.44 | 4 | 3 | 3 | 8 | 0.942 | 3 | 6.5 | 1.069 | 3 | 13.9 | 227.90 | 12.44 | 8 | 8 | 225 | 25.7 | 9.25 |
| 150010558 | myosin-15 precursor [Homo sapiens] | 0.41 | 1 | 1 | 1 | 2 | 0.942 | 1 |  | 0.834 | 1 |  | 31.28 | 0.41 | 2 | 2 | 1946 | 224.5 | 5.85 |
| 223029420 | ski-like protein isoform 2 [Homo sapiens] | 1.10 | 3 | 1 | 1 | 1 | 0.941 | 1 |  | **2.367** | 1 |  | 28.83 | 1.10 | 1 | 1 | 638 | 71.7 | 6.99 |
| 530414003 | PREDICTED: haloacid dehalogenase-like hydrolase domain-containi | 21.89 | 3 | 2 | 2 | 5 | 0.941 | 2 | 16.4 | 1.344 | 2 | 18.4 | 262.60 | 21.89 | 5 | 5 | 169 | 18.5 | 5.54 |
| 210032790 | protein FAM184B [Homo sapiens] | 0.47 | 1 | 1 | 1 | 1 | 0.940 | 1 |  | **3.180** | 1 |  | 18.61 | 0.47 | 1 | 1 | 1060 | 121.0 | 6.18 |
| 7661734 | m7GpppX diphosphatase [Homo sapiens] | 8.61 | 1 | 3 | 3 | 11 | 0.940 | 4 | 7.1 | 1.081 | 4 | 5.1 | 493.19 | 8.61 | 8 | 11 | 337 | 38.6 | 6.38 |
| 88758613 | complement component C1q receptor precursor [Homo sapiens] | 1.07 | 1 | 1 | 1 | 1 | 0.940 | 1 |  | 1.237 | 1 |  | 23.58 | 1.07 | 1 | 1 | 652 | 68.5 | 5.44 |
| 4885583 | rho-associated protein kinase 1 [Homo sapiens] | 2.36 | 1 | 3 | 3 | 15 | 0.940 | 7 | 9.3 | 0.954 | 7 | 18.6 | 388.87 | 2.36 | 8 | 15 | 1354 | 158.1 | 5.90 |
| 530387370 | PREDICTED: kelch repeat and BTB domain-containing protein 11 is | 2.41 | 1 | 1 | 1 | 3 | 0.939 | 1 |  | 1.317 | 1 |  | 243.82 | 2.41 | 3 | 3 | 623 | 65.7 | 6.07 |
| 5031863 | galectin-3-binding protein precursor [Homo sapiens] | 16.75 | 1 | 7 | 7 | 30 | 0.939 | 11 | 5.7 | 1.347 | 11 | 29.1 | 1495.33 | 16.75 | 19 | 30 | 585 | 65.3 | 5.27 |
| 578807364 | PREDICTED: coiled-coil domain-containing protein 37 isoform X9 [H | 0.82 | 2 | 1 | 1 | 3 | 0.939 | 1 |  | 1.135 | 1 |  | 68.50 | 0.82 | 3 | 3 | 611 | 71.1 | 7.11 |
| 4557469 | AP-2 complex subunit beta isoform b [Homo sapiens] | 7.68 | 3 | 2 | 6 | 15 | 0.939 | 2 | 8.0 | 0.987 | 2 | 30.1 | 501.17 | 7.68 | 13 | 15 | 937 | 104.5 | 5.38 |
| 307746865 | excitatory amino acid transporter 2 isoform 2 [Homo sapiens] | 1.42 | 5 | 1 | 1 | 4 | 0.939 | 2 | 3.6 | 1.113 | 2 | 1.5 | 67.82 | 1.42 | 3 | 4 | 565 | 61.2 | 6.67 |
| 578825689 | PREDICTED: serpin A11 isoform X1 [Homo sapiens] | 4.13 | 1 | 1 | 1 | 3 | 0.938 | 1 |  | 1.033 | 1 |  | 70.72 | 4.13 | 3 | 3 | 218 | 24.5 | 8.16 |
| 383872547 | CD63 antigen isoform D precursor [Homo sapiens] | 5.13 | 3 | 1 | 1 | 2 | 0.938 | 1 |  | 1.069 | 1 |  | 53.42 | 5.13 | 2 | 2 | 156 | 17.3 | 7.88 |
| 65787364 | coronin-1B [Homo sapiens] | 4.29 | 1 | 2 | 3 | 11 | 0.937 | 2 | 13.9 | 1.180 | 2 | 16.9 | 135.41 | 4.29 | 6 | 11 | 489 | 54.2 | 5.88 |
| 4759000 | ras-related protein Rab-3D [Homo sapiens] | 19.18 | 22 | 2 | 4 | 13 | 0.937 | 2 | 5.0 | 1.079 | 2 | 9.0 | 327.37 | 19.18 | 10 | 13 | 219 | 24.3 | 4.93 |
| 300388183 | 26S proteasome non-ATPase regulatory subunit 1 isoform 2 [Homc | 4.77 | 2 | 2 | 2 | 6 | 0.937 | 2 | 3.7 | 1.360 | 2 | 1.9 | 494.21 | 4.77 | 6 | 6 | 922 | 102.2 | 5.27 |
| 242117893 | apoptosis regulator BAX isoform sigma [Homo sapiens] | 7.26 | 4 | 1 | 1 | 3 | 0.937 | 1 |  | 1.549 | 1 |  | 158.83 | 7.26 | 3 | 3 | 179 | 19.7 | 5.40 |
| 4507947 | tyrosine--tRNA ligase, cytoplasmic [Homo sapiens] | 7.77 | 1 | 4 | 4 | 12 | 0.937 | 5 | 2.7 | 1.104 | 5 | 24.3 | 312.44 | 7.77 | 10 | 12 | 528 | 59.1 | 7.05 |
| 13129018 | gamma-glutamylcyclotransferase isoform 1 [Homo sapiens] | 21.28 | 2 | 3 | 3 | 7 | 0.937 | 3 | 10.2 | 1.007 | 3 | 3.2 | 306.06 | 21.28 | 7 | 7 | 188 | 21.0 | 5.14 |
| 90669511 | quinone oxidoreductase-like protein 1 [Homo sapiens] | 3.44 | 1 | 1 | 1 | 8 | 0.936 | 3 | 3.0 | 1.176 | 3 | 8.8 | 203.55 | 3.44 | 3 | 8 | 349 | 38.7 | 5.78 |
| 578824446 | PREDICTED: mitochondrial inner membrane protease ATP23 homo | 3.78 | 2 | 1 | 1 | 2 | 0.935 | 2 | 9.5 | 1.326 | 2 | 28.5 | 30.29 | 3.78 | 1 | 2 | 185 | 21.3 | 7.56 |
| 21361794 | cullin-associated NEDD8-dissociated protein 1 [Homo sapiens] | 5.93 | 1 | 7 | 7 | 19 | 0.935 | 8 | 11.6 | 1.350 | 7 | 32.0 | 829.43 | 5.93 | 16 | 19 | 1230 | 136.3 | 5.78 |
| 13491174 | MARCKS-related protein [Homo sapiens] | 7.69 | 1 | 1 | 1 | 2 | 0.934 | 1 |  | 1.356 | 1 |  | 36.74 | 7.69 | 2 | 2 | 195 | 19.5 | 4.67 |
| 4506667 | 60S acidic ribosomal protein P0 [Homo sapiens] | 3.79 | 1 | 1 | 1 | 5 | 0.934 | 2 | 9.2 | 1.143 | 2 | 0.9 | 274.28 | 3.79 | 3 | 5 | 317 | 34.3 | 5.97 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 530394395 | PREDICTED: WD repeat-containing protein 96 isoform X5 [Homo s | 0.52 | 6 | 1 | 1 | 1 | 0.934 | 1 |  | 1.064 | 1 |  | 24.80 | 0.52 | 1 | 1 | 1535 | 176.8 | 5.76 |
| 526253088 | endothelial differentiation-related factor 1 isoform 4 [Homo sapiens | 11.81 | 5 | 1 | 1 | 8 | 0.934 | 3 | 7.8 | 1.145 | 3 | 37.9 | 270.63 | 11.81 | 3 | 8 | 127 | 14.1 | 9.80 |
| 22027655 | AP-1 complex subunit sigma-2 isoform 2 [Homo sapiens] | 5.73 | 4 | 1 | 1 | 2 | 0.933 | 1 |  | 0.929 | 1 |  | 44.81 | 5.73 | 2 | 2 | 157 | 18.6 | 5.47 |
| 14150098 | transmembrane protein 79 [Homo sapiens] | 2.03 | 1 | 1 | 1 | 2 | 0.933 | 1 |  | **5.752** | 1 |  | 39.51 | 2.03 | 2 | 2 | 394 | 43.5 | 4.93 |
| 269847098 | phospholysine phosphohistidine inorganic pyrophosphate phosphat | 9.63 | 2 | 2 | 2 | 12 | 0.933 | 5 | 5.7 | 1.082 | 5 | 5.3 | 297.95 | 9.63 | 6 | 12 | 270 | 29.1 | 6.15 |
| 320461689 | ankyrin repeat and SOCS box protein 12 [Homo sapiens] | 2.20 | 1 | 1 | 1 | 1 | 0.932 | 1 |  | 1.173 | 1 |  | 28.63 | 2.20 | 1 | 1 | 318 | 35.0 | 6.21 |
| 226530313 | protein-methionine sulfoxide oxidase MICAL1 isoform 2 [Homo sap | 3.36 | 3 | 2 | 2 | 5 | 0.932 | 2 | 12.8 | 1.274 | 2 | 17.4 | 240.62 | 3.36 | 5 | 5 | 981 | 108.5 | 6.48 |
| 578804605 | PREDICTED: UDP-glucose:glycoprotein glucosyltransferase 1 isofor | 0.71 | 4 | 1 | 1 | 3 | 0.931 | 1 |  | 1.137 | 1 |  | 134.56 | 0.71 | 3 | 3 | 1544 | 176.2 | 5.63 |
| 530383030 | PREDICTED: Lebercilin isoform X2 [Homo sapiens] | 2.15 | 1 | 1 | 1 | 1 | 0.931 | 1 |  | 1.064 | 1 |  | 25.09 | 2.15 | 1 | 1 | 697 | 80.5 | 7.68 |
| 7019439 | ATP-sensitive inward rectifier potassium channel 14 [Homo sapiens | 2.06 | 1 | 1 | 1 | 1 | 0.931 | 1 |  | 1.255 | 1 |  | 21.27 | 2.06 | 1 | 1 | 436 | 47.8 | 5.41 |
| 375298720 | gamma-tubulin complex component 2 isoform 3 [Homo sapiens] | 0.78 | 3 | 1 | 1 | 1 | 0.930 | 1 |  | 1.085 | 1 |  | 41.53 | 0.78 | 1 | 1 | 772 | 88.0 | 6.76 |
| 223278387 | calmodulin-like protein 5 [Homo sapiens] | 21.23 | 1 | 2 | 2 | 8 | 0.930 | 3 | 5.7 | 1.149 | 3 | 4.6 | 681.93 | 21.23 | 5 | 8 | 146 | 15.9 | 4.44 |
| 578825543 | PREDICTED: centrosomal protein of 128 kDa isoform X2 [Homo sa | 0.47 | 2 | 1 | 1 | 1 | 0.930 | 1 |  | 1.195 | 1 |  | 0.00 | 0.47 | 1 | 1 | 1055 | 123.1 | 6.60 |
| 4502315 | V-type proton ATPase subunit C 1 [Homo sapiens] | 6.54 | 1 | 2 | 2 | 4 | 0.929 | 2 | 3.9 | 1.062 | 2 | 29.6 | 292.40 | 6.54 | 4 | 4 | 382 | 43.9 | 7.46 |
| 42544239 | complement factor D preproprotein [Homo sapiens] | 34.39 | 1 | 6 | 6 | 13 | 0.928 | 5 | 7.5 | 1.096 | 5 | 13.9 | 299.08 | 34.39 | 13 | 13 | 253 | 27.0 | 7.71 |
| 530397411 | PREDICTED: isoaspartyl peptidase/L-asparaginase isoform X3 [Hon | 5.56 | 2 | 1 | 1 | 3 | 0.928 | 1 |  | 1.154 | 1 |  | 120.80 | 5.56 | 3 | 3 | 180 | 19.0 | 7.88 |
| 566559963 | phosphopantothenate--cysteine ligase isoform c [Homo sapiens] | 10.48 | 3 | 1 | 1 | 2 | 0.928 | 1 |  | 1.004 | 1 |  | 96.75 | 10.48 | 2 | 2 | 105 | 12.0 | 6.57 |
| 11342680 | beta-centractin [Homo sapiens] | 14.36 | 2 | 1 | 4 | 14 | 0.928 | 2 | 0.3 | 2.070 | 2 | 27.6 | 460.45 | 14.36 | 10 | 14 | 376 | 42.3 | 6.40 |
| 9507239 | immunoglobulin iota chain precursor [Homo sapiens] | 3.45 | 2 | 1 | 1 | 10 | 0.927 | 4 | 6.9 | 1.080 | 4 | 3.4 | 172.71 | 3.45 | 3 | 10 | 145 | 16.6 | 6.76 |
| 578822447 | PREDICTED: centrosomal protein KIAA1731 isoform X7 [Homo sap | 0.42 | 7 | 1 | 1 | 3 | 0.927 | 1 |  | 1.249 | 1 |  | 66.38 | 0.42 | 3 | 3 | 2382 | 268.9 | 5.71 |
| 4507133 | small nuclear ribonucleoprotein G [Homo sapiens] | 17.11 | 1 | 1 | 1 | 3 | 0.927 | 1 |  | 1.407 | 1 |  | 186.56 | 17.11 | 3 | 3 | 76 | 8.5 | 8.88 |
| 4504523 | 10 kDa heat shock protein, mitochondrial [Homo sapiens] | 6.86 | 2 | 1 | 1 | 1 | 0.927 | 1 |  | 1.077 | 1 |  | 31.18 | 6.86 | 1 | 1 | 102 | 10.9 | 8.92 |
| 530407962 | PREDICTED: zinc finger CCCH domain-containing protein 7A isofor | 0.73 | 2 | 1 | 1 | 1 | 0.926 | 1 |  | 1.228 | 1 |  | 24.30 | 0.73 | 1 | 1 | 958 | 109.2 | 7.24 |
| 48717372 | mediator of RNA polymerase II transcription subunit 11 [Homo sap | 8.55 | 1 | 1 | 1 | 8 | 0.925 | 5 | 4.0 | **3.673** | 5 | 64.3 | 92.88 | 8.55 | 3 | 8 | 117 | 13.1 | 5.96 |
| 392996949 | UV excision repair protein RAD23 homolog A isoform 2 [Homo sapi | 8.01 | 41 | 2 | 4 | 11 | 0.923 | 2 | 13.5 | 1.171 | 2 | 12.8 | 302.07 | 8.01 | 11 | 11 | 362 | 39.5 | 4.58 |
| 313102999 | diacylglycerol kinase zeta isoform 7 [Homo sapiens] | 0.66 | 1 | 1 | 1 | 1 | 0.923 | 1 |  | 1.193 | 1 |  | 32.92 | 0.66 | 1 | 1 | 906 | 101.2 | 7.61 |
| 4503727 | peptidyl-prolyl cis-trans isomerase FKBP3 [Homo sapiens] | 6.25 | 1 | 2 | 2 | 5 | 0.923 | 2 | 5.2 | 1.167 | 2 | 3.2 | 120.41 | 6.25 | 5 | 5 | 224 | 25.2 | 9.28 |
| 523704487 | ubiquitin-like-conjugating enzyme ATG3 isoform 2 [Homo sapiens] | 3.22 | 2 | 1 | 1 | 3 | 0.923 | 1 |  | 1.090 | 1 |  | 81.52 | 3.22 | 3 | 3 | 311 | 35.4 | 4.79 |
| 262118263 | 55 kDa erythrocyte membrane protein isoform 4 [Homo sapiens] | 1.15 | 4 | 1 | 1 | 1 | 0.923 | 1 |  | 1.029 | 1 |  | 26.67 | 1.15 | 1 | 1 | 436 | 49.0 | 7.31 |
| 530404921 | PREDICTED: serine/threonine-protein kinase Nek9 isoform X2 [Hor | 1.49 | 4 | 1 | 1 | 1 | 0.923 | 1 |  | 1.181 | 1 |  | 27.71 | 1.49 | 1 | 1 | 873 | 95.4 | 6.20 |
| 578838069 | PREDICTED: protein-cysteine N-palmitoyltransferase porcupine iso | 4.33 | 14 | 1 | 2 | 2 | 0.922 | 1 |  | 1.205 | 1 |  | 44.57 | 4.33 | 2 | 2 | 323 | 36.3 | 7.99 |
| 114431246 | keratin, type I cytoskeletal 28 [Homo sapiens] | 3.02 | 15 | 1 | 2 | 7 | 0.922 | 1 |  | 1.303 | 1 |  | 105.47 | 3.02 | 5 | 7 | 464 | 50.5 | 5.47 |
| 578837230 | PREDICTED: 3-mercaptopyruvate sulfurtransferase isoform X2 [Ho | 9.28 | 3 | 2 | 2 | 6 | 0.922 | 2 | 4.8 | 1.395 | 2 | 30.9 | 230.46 | 9.28 | 6 | 6 | 237 | 26.4 | 8.06 |
| 530422114 | PREDICTED: RNA-binding protein 41 isoform X4 [Homo sapiens] | 2.50 | 7 | 1 | 1 | 3 | 0.921 | 3 | 7.6 | 1.436 | 3 | 21.2 | 38.42 | 2.50 | 1 | 3 | 240 | 28.1 | 8.82 |
| 530414204 | PREDICTED: asparagine--tRNA ligase, cytoplasmic isoform X1 [Hor | 1.46 | 2 | 1 | 1 | 2 | 0.921 | 1 |  | 1.272 | 1 |  | 42.62 | 1.46 | 2 | 2 | 547 | 62.8 | 6.25 |
| 530384257 | PREDICTED: bcl-2-associated transcription factor 1 isoform X3 [Ho | 1.40 | 6 | 1 | 1 | 3 | 0.921 | 1 |  | 1.242 | 1 |  | 77.54 | 1.40 | 3 | 3 | 642 | 73.2 | 10.17 |
| 578828512 | PREDICTED: PDZ domain-containing protein 9 isoform X3 [Homo s | 2.73 | 5 | 1 | 1 | 2 | 0.920 | 1 |  |  |  |  | 32.40 | 2.73 | 2 | 2 | 220 | 25.4 | 7.23 |
| 33589861 | ras-related protein Rab-31 [Homo sapiens] | 9.23 | 3 | 2 | 2 | 5 | 0.920 | 2 | 2.0 | 1.378 | 2 | 17.4 | 108.27 | 9.23 | 5 | 5 | 195 | 21.7 | 7.06 |
| 530399725 | PREDICTED: leucine-rich repeat serine/threonine-protein kinase 2 i | 0.75 | 33 | 1 | 3 | 5 | 0.919 | 1 |  | 1.732 | 1 |  | 62.74 | 0.75 | 5 | 5 | 2521 | 285.2 | 6.76 |
| 271398277 | cytosolic non-specific dipeptidase isoform 2 [Homo sapiens] | 5.37 | 2 | 1 | 1 | 3 | 0.919 | 1 |  | 0.988 | 1 |  | 222.42 | 5.37 | 3 | 3 | 391 | 43.8 | 6.48 |
| 51477708 | heterogeneous nuclear ribonucleoprotein D0 isoform d [Homo sapi | 29.27 | 9 | 1 | 9 | 36 | 0.918 | 1 |  | 1.001 | 1 |  | 1515.28 | 29.27 | 19 | 36 | 287 | 30.7 | 8.41 |
| 530364444 | PREDICTED: protein PRRC2C isoform X16 [Homo sapiens] | 0.41 | 18 | 1 | 1 | 1 | 0.918 | 1 |  | 1.133 | 1 |  | 27.31 | 0.41 | 1 | 1 | 2708 | 296.8 | 8.79 |
| 151301228 | pre-mRNA-processing factor 40 homolog A [Homo sapiens] | 0.97 | 4 | 1 | 1 | 3 | 0.918 | 1 |  | 1.017 | 1 |  | 123.97 | 0.97 | 3 | 3 | 930 | 105.9 | 7.99 |
| 41281429 | basic leucine zipper and W2 domain-containing protein 1 isoform 4 | 9.35 | 4 | 2 | 2 | 11 | 0.918 | 4 | 13.1 | 1.282 | 3 | 4.5 | 459.63 | 9.35 | 6 | 11 | 353 | 40.5 | 6.46 |
| 122939149 | rho GTPase-activating protein 9 isoform 3 [Homo sapiens] | 6.95 | 8 | 2 | 2 | 5 | 0.917 | 2 | 8.5 | 1.025 | 2 | 1.7 | 299.69 | 6.95 | 5 | 5 | 547 | 61.1 | 8.19 |
| 525342616 | acyl-protein thioesterase 1 isoform 6 [Homo sapiens] | 15.06 | 7 | 2 | 2 | 5 | 0.917 | 2 | 0.1 | 1.241 | 2 | 8.8 | 282.71 | 15.06 | 5 | 5 | 166 | 18.0 | 5.06 |
| 42476083 | interferon alpha-8 precursor [Homo sapiens] | 4.76 | 1 | 1 | 1 | 1 | 0.917 | 1 |  | 1.348 | 1 |  | 28.83 | 4.76 | 1 | 1 | 189 | 22.0 | 5.43 |
| 530409873 | PREDICTED: SET and MYND domain-containing protein 4 isoform X | 2.68 | 3 | 2 | 2 | 7 | 0.917 | 2 | 7.5 | 1.597 | 2 | 39.8 | 106.62 | 2.68 | 5 | 7 | 635 | 70.6 | 7.30 |
| 530393909 | PREDICTED: uncharacterized protein C10orf118 isoform X2 [Homo | 1.34 | 17 | 1 | 2 | 10 | 0.917 | 3 | 0.0 | 1.760 | 1 |  | 158.08 | 1.34 | 6 | 10 | 898 | 103.6 | 6.27 |
| 4504297 | histone H3.1 [Homo sapiens] | 61.03 | 3 | 1 | 9 | 73 | 0.916 | 6 | 19.4 | 1.988 | 4 | 94.2 | 1809.12 | 61.03 | 26 | 73 | 136 | 15.4 | 11.12 |
| 528524494 | dynein light chain roadblock-type 1 isoform b [Homo sapiens] | 19.05 | 7 | 1 | 1 | 3 | 0.916 | 1 |  | 1.137 | 1 |  | 160.14 | 19.05 | 3 | 3 | 63 | 7.3 | 7.25 |
| 339895853 | RAC-beta serine/threonine-protein kinase isoform 2 [Homo sapiens | 1.91 | 3 | 1 | 1 | 1 | 0.916 | 1 |  | 1.047 | 1 |  | 23.75 | 1.91 | 1 | 1 | 419 | 48.5 | 6.15 |
| 206597509 | arf-GAP domain and FG repeat-containing protein 1 isoform 4 [Hon | 4.02 | 8 | 2 | 2 | 6 | 0.916 | 2 | 13.4 | 1.348 | 2 | 8.6 | 225.96 | 4.02 | 6 | 6 | 522 | 54.1 | 8.92 |
| 14150155 | vacuolar protein-sorting-associated protein 25 [Homo sapiens] | 5.68 | 1 | 1 | 1 | 3 | 0.915 | 1 |  | 1.323 | 1 |  | 133.36 | 5.68 | 3 | 3 | 176 | 20.7 | 6.34 |
| 528078329 | centrosomal protein of 85 kDa isoform 2 [Homo sapiens] | 1.83 | 4 | 2 | 2 | 4 | 0.914 | 2 | 7.2 | 1.187 | 2 | 3.3 | 64.21 | 1.83 | 4 | 4 | 711 | 80.3 | 6.23 |
| 31542319 | coatomer subunit epsilon isoform a [Homo sapiens] | 18.51 | 3 | 4 | 4 | 9 | 0.914 | 3 | 11.9 | 1.274 | 3 | 8.6 | 384.96 | 18.51 | 9 | 9 | 308 | 34.5 | 5.12 |
| 10863889 | U4/U6.U5 tri-snRNP-associated protein 1 [Homo sapiens] | 2.50 | 1 | 1 | 1 | 3 | 0.913 | 1 |  | 1.562 | 1 |  | 154.81 | 2.50 | 3 | 3 | 800 | 90.2 | 6.13 |
| 214832050 | dual specificity protein phosphatase 19 isoform 2 [Homo sapiens] | 4.82 | 2 | 1 | 1 | 2 | 0.911 | 1 |  | 1.434 | 1 |  | 35.72 | 4.82 | 2 | 2 | 166 | 18.3 | 8.07 |
| 20330805 | guanine nucleotide-binding protein G(t) subunit alpha-2 [Homo sap | 6.50 | 13 | 1 | 3 | 10 | 0.911 | 1 |  | **2.354** | 1 |  | 399.36 | 6.50 | 7 | 10 | 354 | 40.2 | 5.24 |
| 118572606 | hemicentin-1 precursor [Homo sapiens] | 0.25 | 1 | 1 | 1 | 8 | 0.910 | 2 | 7.5 | 1.420 | 2 | 29.1 | 61.23 | 0.25 | 3 | 8 | 5635 | 613.0 | 6.49 |
| 530393088 | PREDICTED: adenosine kinase isoform X1 [Homo sapiens] | 13.27 | 5 | 2 | 2 | 9 | 0.910 | 3 | 0.4 | 1.128 | 3 | 7.5 | 771.38 | 13.27 | 6 | 9 | 294 | 33.1 | 8.03 |
| 556503347 | vacuolar protein sorting-associated protein VTA1 homolog isoform | 3.60 | 3 | 1 | 1 | 2 | 0.910 | 1 |  | 1.240 | 1 |  | 49.51 | 3.60 | 2 | 2 | 222 | 24.5 | 5.29 |
| 4505469 | neurotrophin-3 isoform 2 preproprotein [Homo sapiens] | 2.72 | 2 | 1 | 1 | 3 | 0.909 | 3 | 29.7 | 1.342 | 3 | 0.3 | 42.63 | 2.72 | 1 | 3 | 257 | 29.3 | 9.39 |
| 4503535 | eukaryotic translation initiation factor 4E isoform 1 [Homo sapiens] | 14.75 | 6 | 3 | 3 | 9 | 0.908 | 4 | 4.8 | 1.158 | 4 | 35.8 | 300.47 | 14.75 | 7 | 9 | 217 | 25.1 | 6.15 |
| 5174735 | tubulin beta-4B chain [Homo sapiens] | 64.27 | 5 | 2 | 20 | 161 | 0.907 | 1 |  | 1.279 | 1 |  | 6449.98 | 64.27 | 55 | 161 | 445 | 49.8 | 4.89 |
| 530360520 | PREDICTED: serine/threonine-protein kinase mTOR isoform X2 [Hc | 0.34 | 2 | 1 | 1 | 3 | 0.907 | 3 | 10.0 | 1.258 | 3 | 143.9 | 33.95 | 0.34 | 1 | 3 | 2322 | 263.7 | 7.21 |
| 116235474 | serine/threonine-protein kinase 11-interacting protein [Homo sapie | 0.55 | 1 | 1 | 1 | 2 | 0.907 | 1 |  | **4.975** | 1 |  | 33.08 | 0.55 | 2 | 2 | 1099 | 121.3 | 5.39 |
| 14165466 | polypyrimidine tract-binding protein 1 isoform c [Homo sapiens] | 13.56 | 37 | 4 | 5 | 31 | 0.907 | 5 | 4.1 | 1.372 | 5 | 1.1 | 1250.78 | 13.56 | 15 | 31 | 531 | 57.2 | 9.17 |
| 312433960 | NLR family CARD domain-containing protein 4 [Homo sapiens] | 1.07 | 1 | 1 | 1 | 3 | 0.906 | 1 |  | 0.925 | 1 |  | 150.11 | 1.07 | 3 | 3 | 1024 | 116.1 | 6.77 |
| 29725624 | collagen alpha-1(XXIII) chain [Homo sapiens] | 1.67 | 5 | 1 | 1 | 1 | 0.906 | 1 |  | 0.994 | 1 |  | 21.27 | 1.67 | 1 | 1 | 540 | 51.9 | 7.25 |
| 365192579 | calcium-independent phospholipase A2-gamma isoform 3 [Homo sa | 2.05 | 3 | 1 | 2 | 3 | 0.906 | 1 |  | 2.123 | 1 |  | 52.88 | 2.05 | 3 | 3 | 682 | 77.0 | 8.98 |
| 16418355 | cyclic AMP-responsive element-binding protein 3-like protein 1 [Hoi | 1.54 | 1 | 1 | 1 | 2 | 0.905 | 1 |  | 1.624 | 1 |  | 28.82 | 1.54 | 2 | 2 | 519 | 57.0 | 5.17 |
| 269954692 | inositol 1,4,5-trisphosphate receptor type 1 isoform 2 [Homo sapiei | 0.82 | 13 | 2 | 2 | 31 | 0.904 | 14 | 10.7 | 1.474 | 14 | 75.2 | 548.02 | 0.82 | 4 | 31 | 2695 | 306.6 | 6.29 |
| 46049114 | kinesin-like protein KIF20B isoform 2 [Homo sapiens] | 0.79 | 2 | 1 | 2 | 8 | 0.904 | 5 | 3.2 | 1.125 | 5 | 10.5 | 86.42 | 0.79 | 4 | 8 | 1780 | 206.0 | 5.77 |
| 22267436 | protein NipSnap homolog 3A [Homo sapiens] | 4.86 | 1 | 1 | 1 | 6 | 0.904 | 2 | 14.9 | 1.270 | 2 | 14.4 | 188.67 | 4.86 | 3 | 6 | 247 | 28.4 | 9.16 |
| 578802647 | PREDICTED: peptidyl-prolyl cis-trans isomerase A-like [Homo sapie | 10.66 | 3 | 1 | 3 | 19 | 0.903 | 5 | 8.8 | 1.058 | 5 | 12.5 | 659.11 | 10.66 | 9 | 19 | 272 | 29.6 | 8.38 |
| 525313660 | 24-hydroxycholesterol 7-alpha-hydroxylase isoform 3 [Homo sapier | 3.70 | 5 | 1 | 2 | 5 | 0.902 | 1 |  | 2.027 | 1 |  | 65.99 | 3.70 | 5 | 5 | 297 | 34.5 | 8.37 |
| 221316573 | barrier-to-autointegration factor [Homo sapiens] | 7.87 | 1 | 1 | 1 | 2 | 0.900 | 2 | 1.5 | 1.313 | 2 | 12.3 | 22.93 | 7.87 | 1 | 2 | 89 | 10.1 | 6.09 |
| 530408236 | PREDICTED: polycystin-1 isoform X5 [Homo sapiens] | 0.24 | 10 | 1 | 1 | 5 | 0.900 | 3 | 0.8 | 1.268 | 3 | 19.0 | 50.88 | 0.24 | 2 | 5 | 3288 | 356.7 | 7.37 |
| 384551649 | proto-oncogene vav isoform 3 [Homo sapiens] | 1.35 | 3 | 1 | 1 | 3 | 0.898 | 1 |  | 1.062 | 1 |  | 184.73 | 1.35 | 3 | 3 | 813 | 94.4 | 6.70 |
| 145701025 | multiple epidermal growth factor-like domains protein 8 isoform 2 [ | 0.29 | 2 | 1 | 1 | 1 | 0.898 | 1 |  | 1.112 | 1 |  | 25.97 | 0.29 | 1 | 1 | 2778 | 295.7 | 6.86 |
| 4507577 | tumor necrosis factor receptor superfamily member 1B precursor [I | 3.69 | 1 | 1 | 1 | 3 | 0.897 | 1 |  | 1.095 | 1 |  | 177.56 | 3.69 | 3 | 3 | 461 | 48.3 | 6.28 |
| 194018537 | phosphoribosyl pyrophosphate synthase-associated protein 1 [Hom | 3.12 | 1 | 1 | 1 | 3 | 0.897 | 1 |  | 1.187 | 1 |  | 136.22 | 3.12 | 3 | 3 | 385 | 42.4 | 8.47 |
| 301601630 | LIM and senescent cell antigen-like-containing domain protein 1 isc | 4.62 | 12 | 1 | 1 | 3 | 0.897 | 1 |  | 1.404 | 1 |  | 116.89 | 4.62 | 3 | 3 | 325 | 37.2 | 8.05 |
| 355330279 | ubiquitin carboxyl-terminal hydrolase 15 isoform 3 [Homo sapiens] | 3.83 | 5 | 1 | 1 | 3 | 0.897 | 1 |  | 1.211 | 1 |  | 120.78 | 3.83 | 3 | 3 | 235 | 27.1 | 5.30 |
| 4507791 | NEDD8-conjugating enzyme Ubc12 [Homo sapiens] | 6.01 | 1 | 1 | 1 | 3 | 0.897 | 1 |  | 0.893 | 1 |  | 96.24 | 6.01 | 3 | 3 | 183 | 20.9 | 7.69 |
| 157311622 | acyl-coenzyme A synthetase ACSM2B, mitochondrial [Homo sapien | 1.91 | 3 | 1 | 1 | 1 | 0.896 | 1 |  | 1.068 | 1 |  | 26.92 | 1.91 | 1 | 1 | 577 | 64.2 | 8.25 |
| 530414349 | PREDICTED: coiled-coil domain-containing protein 102B isoform X6 | 1.81 | 4 | 1 | 1 | 1 | 0.896 | 1 |  | 0.818 | 1 |  | 32.12 | 1.81 | 1 | 1 | 331 | 39.4 | 5.54 |
| 542133065 | DNA primase large subunit isoform b [Homo sapiens] | 5.06 | 2 | 1 | 1 | 2 | 0.895 | 1 |  | 1.115 | 1 |  | 39.66 | 5.06 | 2 | 2 | 158 | 19.1 | 8.40 |
| 194248068 | ras/Rap GTPase-activating protein SynGAP [Homo sapiens] | 0.82 | 49 | 1 | 2 | 4 | 0.895 | 1 |  | 1.776 | 1 |  | 59.78 | 0.82 | 4 | 4 | 1343 | 148.2 | 8.98 |
| 530403141 | PREDICTED: mirror-image polydactyly gene 1 protein isoform X2 [I | 1.64 | 3 | 1 | 1 | 10 | 0.891 | 5 | 4.7 | 2.259 | 5 | 18.7 | 93.12 | 1.64 | 2 | 10 | 365 | 42.6 | 6.05 |
| 530374456 | PREDICTED: immunoglobulin superfamily member 10 isoform X1 [I | 0.46 | 11 | 2 | 2 | 5 | 0.890 | 2 | 6.7 | 1.242 | 2 | 18.7 | 72.25 | 0.46 | 3 | 5 | 2623 | 290.7 | 9.13 |
| 223633991 | pantetheinase precursor [Homo sapiens] | 6.63 | 1 | 1 | 1 | 10 | 0.890 | 4 | 15.9 | 1.143 | 3 | 6.3 | 592.77 | 6.63 | 3 | 10 | 513 | 57.0 | 5.55 |
| 578814467 | PREDICTED: tyrosine-protein phosphatase non-receptor type 12 isc | 3.74 | 5 | 2 | 2 | 3 | 0.889 | 2 | 12.6 | 1.057 | 2 | 10.2 | 55.12 | 3.74 | 3 | 3 | 748 | 84.4 | 5.60 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 115298659 | spectrin alpha chain, erythrocytic 1 [Homo sapiens] | 1.32 | 1 | 2 | 2 | 5 | 0.888 | 2 | 18.2 | 1.047 | 2 | 38.3 | 171.96 | 1.32 | 5 | 5 | 2419 | 279.8 | 5.05 |
| 568384725 | BRO1 domain-containing protein BROX isoform c [Homo sapiens] | 7.40 | 7 | 1 | 1 | 2 | 0.887 | 1 |  | 1.354 | 1 |  | 64.53 | 7.40 | 2 | 2 | 338 | 38.2 | 8.60 |
| 578807020 | PREDICTED: programmed cell death protein 10 isoform X4 [Homo | 4.72 | 1 | 1 | 1 | 3 | 0.886 | 1 |  | 0.648 | 1 |  | 72.36 | 4.72 | 3 | 3 | 212 | 24.7 | 8.19 |
| 70780355 | ankyrin-1 isoform 2 [Homo sapiens] | 0.47 | 6 | 1 | 1 | 2 | 0.884 | 1 |  | 1.085 | 1 |  | 37.67 | 0.47 | 2 | 2 | 1719 | 188.9 | 6.62 |
| 145309300 | cyclin-dependent kinase 13 isoform 2 [Homo sapiens] | 0.96 | 93 | 1 | 2 | 12 | 0.883 | 2 | 8.8 | 1.792 | 2 | 70.3 | 222.87 | 0.96 | 6 | 12 | 1452 | 158.3 | 9.70 |
| 530436491 | PREDICTED: uncharacterized protein LOC101930119 [Homo sapier | 4.09 | 2 | 1 | 1 | 1 | 0.883 | 1 |  | 1.238 | 1 |  | 28.41 | 4.09 | 1 | 1 | 220 | 24.5 | 9.17 |
| 530405392 | PREDICTED: E3 ubiquitin-protein ligase TRIM69 isoform X2 [Homo | 6.08 | 53 | 1 | 3 | 8 | 0.882 | 1 |  | 1.257 | 1 |  | 43.97 | 6.08 | 4 | 8 | 296 | 34.0 | 6.73 |
| 578824474 | PREDICTED: probable ATP-dependent RNA helicase DDX23 isoforn | 1.00 | 9 | 1 | 1 | 2 | 0.882 | 1 |  | 1.372 | 1 |  | 27.35 | 1.00 | 2 | 2 | 602 | 71.4 | 9.66 |
| 287326622 | tyrosine-protein kinase HCK isoform d [Homo sapiens] | 11.11 | 102 | 2 | 5 | 18 | 0.881 | 2 | 8.6 | 1.167 | 2 | 0.3 | 519.92 | 11.11 | 11 | 18 | 504 | 57.2 | 6.86 |
| 4506629 | 60S ribosomal protein L29 [Homo sapiens] | 9.43 | 1 | 1 | 1 | 3 | 0.880 | 1 |  | 1.065 | 1 |  | 185.41 | 9.43 | 3 | 3 | 159 | 17.7 | 11.66 |
| 530407865 | PREDICTED: calcium-regulated heat stable protein 1 isoform X2 [H | 10.88 | 2 | 1 | 1 | 2 | 0.873 | 1 |  | 1.347 | 1 |  | 52.02 | 10.88 | 2 | 2 | 147 | 15.9 | 8.21 |
| 9951923 | carbonic anhydrase-related protein 11 precursor [Homo sapiens] | 1.83 | 1 | 1 | 1 | 1 | 0.873 | 1 |  | 1.355 | 1 |  | 16.88 | 1.83 | 1 | 1 | 328 | 36.2 | 9.74 |
| 530402038 | PREDICTED: NEDD4-binding protein 2-like 2 isoform X11 [Homo sa | 1.23 | 6 | 1 | 1 | 1 | 0.873 | 1 |  | 0.976 | 1 |  | 29.27 | 1.23 | 1 | 1 | 568 | 65.8 | 6.16 |
| 578800828 | PREDICTED: glutamine synthetase isoform X1 [Homo sapiens] | 2.14 | 1 | 1 | 1 | 3 | 0.872 | 1 |  | 0.815 | 1 |  | 96.09 | 2.14 | 3 | 3 | 373 | 42.0 | 6.89 |
| 315113860 | serine/threonine-protein phosphatase 2A 56 kDa regulatory subuni | 3.03 | 2 | 1 | 1 | 2 | 0.870 | 1 |  | 1.751 | 1 |  | 132.98 | 3.03 | 2 | 2 | 429 | 50.2 | 5.78 |
| 66346685 | plasminogen activator inhibitor 1 RNA-binding protein isoform 4 [H | 7.49 | 4 | 2 | 2 | 4 | 0.869 | 2 | 16.0 | 0.989 | 2 | 18.4 | 78.86 | 7.49 | 4 | 4 | 387 | 42.4 | 8.44 |
| 209862791 | zinc finger protein 90 [Homo sapiens] | 2.00 | 1 | 1 | 1 | 1 | 0.869 | 1 |  | 1.240 | 1 |  | 24.26 | 2.00 | 1 | 1 | 601 | 69.0 | 9.22 |
| 578821102 | PREDICTED: NADP-dependent malic enzyme, mitochondrial isoforn | 2.88 | 4 | 1 | 1 | 3 | 0.868 | 1 |  | 0.853 | 1 |  | 91.35 | 2.88 | 3 | 3 | 313 | 35.2 | 7.87 |
| 4506505 | regulator of G-protein signaling 10 isoform b [Homo sapiens] | 7.19 | 2 | 1 | 1 | 3 | 0.868 | 1 |  | 1.323 | 1 |  | 165.80 | 7.19 | 3 | 3 | 167 | 19.6 | 5.87 |
| 211971072 | FERM and PDZ domain-containing protein 4 [Homo sapiens] | 0.45 | 3 | 1 | 1 | 2 | 0.867 | 1 |  | **2.879** | 1 |  | 34.99 | 0.45 | 2 | 2 | 1322 | 144.3 | 5.25 |
| 578825898 | PREDICTED: kelch-like protein 28 isoform X3 [Homo sapiens] | 1.51 | 4 | 1 | 1 | 1 | 0.867 | 1 |  | 1.097 | 1 |  | 42.10 | 1.51 | 1 | 1 | 332 | 38.0 | 6.25 |
| 217272894 | 116 kDa U5 small nuclear ribonucleoprotein component isoform b [ | 2.67 | 4 | 1 | 2 | 12 | 0.865 | 1 |  | 1.984 | 1 |  | 462.62 | 2.67 | 6 | 12 | 937 | 105.3 | 5.22 |
| 63055057 | beta-actin-like protein 2 [Homo sapiens] | 30.85 | 1 | 1 | 14 | 975 | 0.864 | 1 |  | 1.283 | 1 |  | 31378.87 | 30.85 | 42 | 975 | 376 | 42.0 | 5.59 |
| 39995109 | ganglioside GM2 activator isoform 1 precursor [Homo sapiens] | 10.36 | 1 | 1 | 1 | 3 | 0.863 | 1 |  | 0.972 | 1 |  | 183.40 | 10.36 | 3 | 3 | 193 | 20.8 | 5.31 |
| 157266317 | serine/threonine-protein kinase ATR [Homo sapiens] | 0.38 | 7 | 1 | 2 | 3 | 0.862 | 1 |  | 0.989 | 1 |  | 47.20 | 0.38 | 3 | 3 | 2644 | 301.2 | 7.43 |
| 618466461 | dynein heavy chain 12, axonemal isoform 3 [Homo sapiens] | 0.38 | 27 | 1 | 2 | 18 | 0.861 | 1 |  | 1.659 | 1 |  | 159.13 | 0.38 | 4 | 18 | 3964 | 454.9 | 5.85 |
| 530411988 | PREDICTED: granulins isoform X1 [Homo sapiens] | 14.33 | 1 | 6 | 6 | 43 | 0.860 | 16 | 8.3 | 1.186 | 15 | 20.1 | 1206.02 | 14.33 | 16 | 43 | 593 | 63.5 | 6.83 |
| 530412114 | PREDICTED: integrin beta-4 isoform X4 [Homo sapiens] | 0.63 | 9 | 1 | 1 | 1 | 0.860 | 1 |  | 1.205 | 1 |  | 0.00 | 0.63 | 1 | 1 | 1752 | 194.9 | 6.10 |
| 578816585 | PREDICTED: DENN domain-containing protein 4C isoform X4 [Hom | 0.82 | 5 | 1 | 1 | 9 | 0.859 | 4 | 12.1 | 1.106 | 4 | 9.6 | 178.79 | 0.82 | 3 | 9 | 1456 | 162.1 | 6.57 |
| 116063554 | putative deoxyribose-phosphate aldolase isoform 1 [Homo sapiens] | 3.14 | 1 | 1 | 1 | 2 | 0.858 | 1 |  | 1.136 | 1 |  | 56.03 | 3.14 | 2 | 2 | 318 | 35.2 | 8.94 |
| 510785746 | ankyrin repeat and LEM domain-containing protein 1 isoform 2 [Ho | 1.11 | 1 | 1 | 1 | 2 | 0.858 | 1 |  | 1.531 | 1 |  | 46.15 | 1.11 | 2 | 2 | 632 | 68.0 | 6.98 |
| 166362713 | cadherin-5 preproprotein [Homo sapiens] | 0.64 | 1 | 1 | 1 | 11 | 0.858 | 6 | 3.4 | 2.154 | 6 | 74.5 | 99.89 | 0.64 | 2 | 11 | 784 | 87.5 | 5.43 |
| 24638446 | histone H2A type 2-C [Homo sapiens] | 59.69 | 10 | 1 | 6 | 52 | 0.857 | 6 | 20.6 | 1.924 | 4 | 183.7 | 1607.21 | 59.69 | 18 | 52 | 129 | 14.0 | 10.90 |
| 339895886 | prospero homeobox protein 2 isoform 2 [Homo sapiens] | 3.84 | 3 | 1 | 1 | 2 | 0.853 | 1 |  | **2.325** | 1 |  | 50.15 | 3.84 | 2 | 2 | 365 | 40.5 | 8.69 |
| 578821054 | PREDICTED: protein argonaute 12-like [Homo sapiens] | 3.00 | 1 | 1 | 1 | 2 | 0.852 | 1 |  | **2.881** | 1 |  | 25.74 | 3.00 | 2 | 2 | 233 | 24.2 | 11.09 |
| 530410543 | PREDICTED: 60S ribosomal protein L26 isoform X1 [Homo sapiens] | 9.66 | 3 | 1 | 1 | 6 | 0.851 | 2 | 7.6 | 1.144 | 2 | 9.6 | 194.68 | 9.66 | 3 | 6 | 145 | 17.2 | 10.55 |
| 67782319 | spectrin beta chain, erythrocytic isoform b [Homo sapiens] | 0.66 | 5 | 1 | 2 | 4 | 0.850 | 1 |  | 1.607 | 1 |  | 123.17 | 0.66 | 4 | 4 | 2137 | 246.3 | 5.27 |
| 62912474 | leucine-rich repeat-containing G-protein coupled receptor 6 isoforn | 1.45 | 5 | 1 | 1 | 1 | 0.845 | 1 |  | 1.255 | 1 |  | 27.26 | 1.45 | 1 | 1 | 828 | 89.2 | 5.99 |
| 112790163 | metal regulatory transcription factor 1 [Homo sapiens] | 1.20 | 1 | 1 | 1 | 1 | 0.845 | 1 |  |  |  |  | 20.27 | 1.20 | 1 | 1 | 753 | 80.9 | 5.30 |
| 4505585 | platelet-activating factor acetylhydrolase IB subunit beta isoform a | 14.41 | 4 | 2 | 2 | 14 | 0.843 | 5 | 17.2 | 1.232 | 4 | 5.1 | 551.75 | 14.41 | 6 | 14 | 229 | 25.6 | 5.92 |
| 530423607 | PREDICTED: leucine-rich repeat-containing protein 16C isoform X1 | 0.51 | 7 | 1 | 1 | 1 | 0.842 | 1 |  | 1.542 | 1 |  | 28.72 | 0.51 | 1 | 1 | 1372 | 148.1 | 6.55 |
| 13676857 | heat shock-related 70 kDa protein 2 [Homo sapiens] | 18.15 | 1 | 1 | 10 | 146 | 0.840 | 1 |  | 1.042 | 1 |  | 6906.01 | 18.15 | 29 | 146 | 639 | 70.0 | 5.74 |
| 10835085 | metallothionein-1H [Homo sapiens] | 13.11 | 5 | 1 | 1 | 3 | 0.840 | 1 |  | 1.011 | 1 |  | 92.86 | 13.11 | 3 | 3 | 61 | 6.0 | 8.06 |
| 32171238 | brain-specific angiogenesis inhibitor 1-associated protein 2-like pro | 1.96 | 1 | 1 | 1 | 2 | 0.839 | 1 |  | 1.097 | 1 |  | 39.33 | 1.96 | 2 | 2 | 511 | 56.8 | 8.68 |
| 578816120 | PREDICTED: sperm-associated antigen 1 isoform X2 [Homo sapien | 0.57 | 2 | 1 | 1 | 8 | 0.839 | 3 | 33.6 | 1.082 | 3 | 2.4 | 133.36 | 0.57 | 3 | 8 | 884 | 98.8 | 6.87 |
| 530407244 | PREDICTED: protein unc-45 homolog A isoform X3 [Homo sapiens] | 3.13 | 45 | 1 | 2 | 11 | 0.838 | 1 |  | 0.765 | 1 |  | 216.09 | 3.13 | 6 | 11 | 799 | 87.2 | 5.90 |
| 93352551 | CWF19-like protein 1 [Homo sapiens] | 2.60 | 1 | 1 | 1 | 9 | 0.836 | 3 | 21.1 | 1.434 | 3 | 13.4 | 351.58 | 2.60 | 3 | 9 | 538 | 60.6 | 7.24 |
| 530414991 | PREDICTED: transmembrane protein 161A isoform X1 [Homo sapie | 2.26 | 3 | 1 | 1 | 4 | 0.833 | 2 | 0.1 | **6.831** | 1 |  | 66.02 | 2.26 | 2 | 4 | 354 | 39.2 | 8.38 |
| 7706244 | protein CutA isoform 2 precursor [Homo sapiens] | 8.97 | 3 | 1 | 1 | 3 | 0.831 | 1 |  | 0.987 | 1 |  | 196.28 | 8.97 | 3 | 3 | 156 | 16.8 | 5.21 |
| 578824503 | PREDICTED: ARF GTPase-activating protein GIT2 isoform X12 [Hor | 4.70 | 12 | 1 | 1 | 2 | 0.831 | 1 |  | 1.018 | 1 |  | 44.16 | 4.70 | 2 | 2 | 596 | 66.3 | 6.80 |
| 42822891 | migration and invasion enhancer 1 [Homo sapiens] | 20.00 | 2 | 1 | 1 | 3 | 0.830 | 1 |  | 1.736 | 1 |  | 131.29 | 20.00 | 3 | 3 | 115 | 12.4 | 4.37 |
| 166235186 | methylthioribulose-1-phosphate dehydratase [Homo sapiens] | 4.55 | 1 | 1 | 1 | 2 | 0.826 | 1 |  | 0.801 | 1 |  | 36.50 | 4.55 | 2 | 2 | 242 | 27.1 | 7.12 |
| 578816292 | PREDICTED: metastasis suppressor protein 1 isoform X15 [Homo s | 1.03 | 13 | 1 | 1 | 1 | 0.819 | 1 |  | 1.065 | 1 |  | 19.52 | 1.03 | 1 | 1 | 677 | 73.7 | 6.58 |
| 586798161 | general vesicular transport factor p115 isoform 2 [Homo sapiens] | 1.87 | 4 | 1 | 1 | 2 | 0.818 | 1 |  | 1.218 | 1 |  | 62.93 | 1.87 | 2 | 2 | 962 | 107.8 | 4.91 |
| 530391772 | PREDICTED: protein FAM189A2 isoform X2 [Homo sapiens] | 1.15 | 1 | 1 | 1 | 1 | 0.816 | 1 |  | 1.133 | 1 |  | 28.81 | 1.15 | 1 | 1 | 522 | 57.7 | 8.10 |
| 5453690 | dnaJ homolog subfamily B member 1 [Homo sapiens] | 2.94 | 1 | 1 | 1 | 2 | 0.813 | 1 |  | 1.181 | 1 |  | 49.00 | 2.94 | 2 | 2 | 340 | 38.0 | 8.63 |
| 91208418 | transcription elongation regulator 1 isoform 2 [Homo sapiens] | 1.49 | 4 | 2 | 2 | 2 | 0.812 | 2 | 21.5 | 1.144 | 1 |  | 31.08 | 1.49 | 2 | 2 | 1077 | 121.6 | 8.54 |
| 289547636 | complement C1r subcomponent-like protein isoform 1 precursor [H | 10.06 | 1 | 2 | 3 | 11 | 0.811 | 2 | 21.8 | 1.959 | 1 |  | 497.75 | 10.06 | 8 | 11 | 487 | 53.5 | 7.20 |
| 4505501 | oxidized low-density lipoprotein receptor 1 isoform 1 [Homo sapien | 6.23 | 1 | 1 | 1 | 3 | 0.810 | 1 |  | 1.254 | 1 |  | 232.24 | 6.23 | 3 | 3 | 273 | 30.9 | 7.28 |
| 34996527 | active regulator of SIRT1 [Homo sapiens] | 4.41 | 1 | 1 | 1 | 2 | 0.807 | 1 |  | 1.439 | 1 |  | 49.56 | 4.41 | 2 | 2 | 136 | 15.4 | 10.74 |
| 222144324 | myosin regulatory light chain 12B [Homo sapiens] | 72.09 | 6 | 1 | 12 | 123 | 0.798 | 1 |  | 0.976 | 1 |  | 5256.33 | 72.09 | 36 | 123 | 172 | 19.8 | 4.84 |
| 16933567 | ras-related protein Rab-8A [Homo sapiens] | 20.29 | 20 | 1 | 4 | 22 | 0.785 | 1 |  | 1.713 | 1 |  | 1092.19 | 20.29 | 11 | 22 | 207 | 23.7 | 9.07 |
| 60498978 | EMILIN-2 precursor [Homo sapiens] | 0.66 | 1 | 1 | 1 | 2 | 0.785 | 1 |  | 1.237 | 1 |  | 33.26 | 0.66 | 2 | 2 | 1053 | 115.6 | 6.46 |
| 530367595 | PREDICTED: latent-transforming growth factor beta-binding protei | 0.72 | 11 | 1 | 1 | 3 | 0.769 | 1 |  | 1.434 | 1 |  | 60.05 | 0.72 | 3 | 3 | 1247 | 134.0 | 7.50 |
| 221136814 | coiled-coil domain-containing protein 154 [Homo sapiens] | 0.90 | 1 | 1 | 1 | 2 | 0.764 | 1 |  | 1.166 | 1 |  | 33.74 | 0.90 | 2 | 2 | 667 | 75.4 | 8.24 |
| 216548056 | cardiotrophin-1 isoform 2 [Homo sapiens] | 5.50 | 2 | 1 | 1 | 1 | 0.756 | 1 |  | 1.160 | 1 |  | 23.03 | 5.50 | 1 | 1 | 200 | 21.1 | 9.41 |
| 475808427 | POTE ankyrin domain family member I [Homo sapiens] | 10.14 | 2 | 1 | 9 | 407 | 0.749 | 1 |  | 1.397 | 1 |  | 13212.09 | 10.14 | 26 | 407 | 1075 | 121.2 | 6.21 |
| 153791352 | POTE ankyrin domain family member F [Homo sapiens] | 11.63 | 2 | 1 | 10 | 700 | 0.732 | 14 | 6.3 | 1.474 | 14 | 25.9 | 26363.09 | 11.63 | 30 | 700 | 1075 | 121.4 | 6.20 |
| 168480080 | BCL2/adenovirus E1B 19 kDa protein-interacting protein 2 [Homo s | 1.61 | 2 | 1 | 1 | 1 | 0.705 | 1 |  |  |  |  | 18.48 | 1.61 | 1 | 1 | 435 | 48.8 | 4.84 |
| 5730075 | fibroleukin precursor [Homo sapiens] | 4.56 | 1 | 1 | 1 | 3 | 0.694 | 1 |  | 1.597 | 1 |  | 122.95 | 4.56 | 3 | 3 | 439 | 50.2 | 7.39 |
| 4557845 | ribonucleoside-diphosphate reductase subunit M2 isoform 2 [Homo | 2.06 | 2 | 1 | 1 | 1 | 0.688 | 1 |  | 1.380 | 1 |  | 29.15 | 2.06 | 1 | 1 | 389 | 44.8 | 5.38 |
| 4506467 | radixin isoform 2 [Homo sapiens] | 22.64 | 5 | 2 | 17 | 184 | 0.671 | 2 | 72.8 | 0.784 | 2 | 47.7 | 5463.09 | 22.64 | 48 | 184 | 583 | 68.5 | 6.37 |
| 530389685 | PREDICTED: PC4 and SFRS1-interacting protein isoform X4 [Homo | 6.38 | 9 | 1 | 2 | 5 | 0.657 | 1 |  | 1.186 | 1 |  | 120.06 | 6.38 | 5 | 5 | 329 | 37.2 | 9.23 |
| 530384633 | PREDICTED: uncharacterized protein KIAA0895 isoform X3 [Homo | 2.55 | 1 | 1 | 1 | 2 | 0.505 | 1 |  | 1.056 | 1 |  | 33.10 | 2.55 | 2 | 2 | 275 | 32.1 | 7.84 |
| 530378724 | PREDICTED: dynein heavy chain 5, axonemal isoform X1 [Homo sa | 0.48 | 28 | 2 | 3 | 23 | 0.493 | 3 | 8.7 | 1.256 | 3 | 4.2 | 219.41 | 0.48 | 7 | 23 | 4609 | 526.8 | 6.01 |
| 110431336 | zinc finger and SCAN domain-containing protein 1 [Homo sapiens] | 2.45 | 2 | 1 | 1 | 1 | 0.491 | 1 |  | 1.022 | 1 |  | 28.83 | 2.45 | 1 | 1 | 408 | 45.3 | 8.54 |
| 401461824 | trafficking protein particle complex subunit 3 isoform 3 [Homo sapi | 14.18 | 4 | 2 | 2 | 5 | 0.463 | 1 |  | 0.863 | 1 |  | 102.51 | 14.18 | 5 | 5 | 134 | 15.0 | 4.88 |
| 90265805 | 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1 | 0.93 | 2 | 1 | 1 | 2 | 0.440 | 1 |  | **13.553** | 1 |  | 37.26 | 0.93 | 2 | 2 | 756 | 85.6 | 6.70 |
| 17986275 | myosin light chain 1/3, skeletal muscle isoform isoform 3f [Homo s | 18.00 | 3 | 1 | 3 | 55 |  |  |  |  |  |  | 2710.49 | 18.00 | 7 | 55 | 150 | 16.7 | 4.68 |
| 34734062 | fibulin-1 isoform C precursor [Homo sapiens] | 10.10 | 4 | 1 | 7 | 18 |  |  |  |  |  |  | 407.04 | 10.10 | 18 | 18 | 683 | 74.4 | 5.29 |
| 523567531 | probable histidine--tRNA ligase, mitochondrial isoform 2 [Homo sap | 7.07 | 5 | 1 | 4 | 10 |  |  |  |  |  |  | 200.04 | 7.07 | 10 | 10 | 481 | 54.1 | 8.02 |
| 156139155 | guanine nucleotide-binding protein G(t) subunit alpha-3 [Homo sap | 6.21 | 13 | 1 | 3 | 10 |  |  |  |  |  |  | 400.58 | 6.21 | 7 | 10 | 354 | 40.3 | 6.01 |
| 459175660 | coiled-coil domain-containing protein 12 2 [Homo sapiens] | 5.42 | 2 | 1 | 1 | 1 |  |  |  |  |  |  | 28.83 | 5.42 | 1 | 1 | 166 | 19.2 | 7.34 |
| 578836197 | PREDICTED: kinetochore-associated protein DSN1 homolog isoforn | 4.82 | 47 | 1 | 2 | 6 |  |  |  |  |  |  | 53.46 | 4.82 | 3 | 6 | 249 | 28.0 | 5.40 |
| 530375558 | PREDICTED: leukocyte surface antigen CD47 isoform X2 [Homo sa | 4.44 | 4 | 1 | 1 | 1 |  |  |  |  |  |  | 37.08 | 4.44 | 1 | 1 | 293 | 31.9 | 6.74 |
| 530390571 | PREDICTED: nucleoredoxin-like protein 2 isoform X2 [Homo sapien | 4.32 | 1 | 1 | 1 | 1 |  |  |  |  |  |  | 30.13 | 4.32 | 1 | 1 | 139 | 15.5 | 7.03 |
| 374253774 | CDK5 and ABL1 enzyme substrate 1 isoform 3 [Homo sapiens] | 4.25 | 24 | 1 | 2 | 17 |  |  |  |  |  |  | 227.79 | 4.25 | 4 | 17 | 306 | 34.6 | 9.25 |
| 530380645 | PREDICTED: BTB/POZ domain-containing protein KCTD16 isoform | 3.74 | 7 | 1 | 3 | 7 |  |  |  |  |  |  | 85.83 | 3.74 | 7 | 7 | 428 | 49.1 | 8.09 |
| 260656008 | kunitz-type protease inhibitor 2 isoform b precursor [Homo sapiens | 3.59 | 2 | 1 | 1 | 1 |  |  |  |  |  |  | 23.03 | 3.59 | 1 | 1 | 195 | 21.8 | 8.38 |
| 578826968 | PREDICTED: homeobox protein Meis2 isoform X8 [Homo sapiens] | 3.53 | 3 | 1 | 1 | 2 |  |  |  |  |  |  | 29.34 | 3.53 | 1 | 2 | 255 | 28.1 | 6.13 |
| 578804706 | PREDICTED: putative GTP cyclohydrolase 1 type 2 NIF3L1 isoform | 3.16 | 3 | 1 | 1 | 1 |  |  |  |  |  |  | 28.32 | 3.16 | 1 | 1 | 285 | 32.1 | 8.68 |
| 7019435 | interleukin-17C precursor [Homo sapiens] | 3.05 | 1 | 1 | 1 | 1 |  |  |  |  |  |  | 21.51 | 3.05 | 1 | 1 | 197 | 21.8 | 8.12 |
| 530388041 | PREDICTED: dual specificity protein phosphatase 26 isoform X1 [H | 2.84 | 1 | 1 | 1 | 1 |  |  |  |  |  |  | 24.76 | 2.84 | 1 | 1 | 211 | 23.9 | 9.61 |
| 383792169 | SEC14-like protein 3 isoform 2 [Homo sapiens] | 2.79 | 4 | 1 | 1 | 1 |  |  |  |  |  |  | 27.86 | 2.79 | 1 | 1 | 323 | 36.9 | 6.13 |

| Accession | Description | ΣCoverage | Σ# Proteins | Σ# Unique Peptides | Σ# Peptides | Σ# PSMs | A8: 115/114 | A8: 115/114 Count | A8: 115/114 Variability [%] | A8: 117/116 | A8: 117/116 Count | A8: 117/116 Variability [%] | Score A(3,6,7) | Coverage A(3,6,7) | # Peptides A(3,6,7) | # PSM A(3,6,7) | # AAs | MW [kDa] | calc. pI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 130499472 | PIH1 domain-containing protein 2 isoform 2 [Homo sapiens] | 2.43 | 2 | 1 | 1 | 1 | | | | | | | 28.14 | 2.43 | 1 | 1 | 288 | 32.7 | 6.24 |
| 397138098 | PREDICTED: uncharacterized protein LOC100996598 [Homo sapier | 2.40 | 2 | 1 | 1 | 12 | | | | | | | 118.94 | 2.40 | 3 | 12 | 208 | 23.2 | 7.93 |
| 216548152 | RNA pseudouridylate synthase domain-containing protein 3 isoforn | 2.38 | 2 | 1 | 1 | 1 | | | | | | | 31.62 | 2.38 | 1 | 1 | 336 | 36.9 | 10.29 |
| 578836045 | PREDICTED: ubiquinol-cytochrome-c reductase complex assembly | 2.27 | 10 | 1 | 1 | 15 | | | | | | | 214.19 | 2.27 | 3 | 15 | 220 | 25.0 | 9.77 |
| 14150056 | trichoplein keratin filament-binding protein [Homo sapiens] | 2.21 | 50 | 1 | 2 | 5 | | | | | | | 67.05 | 2.21 | 5 | 5 | 498 | 61.0 | 6.54 |
| 348605285 | TNFAIP3-interacting protein 3 isoform 2 [Homo sapiens] | 2.17 | 2 | 1 | 1 | 1 | | | | | | | 21.69 | 2.17 | 1 | 1 | 369 | 44.1 | 7.61 |
| 82617626 | paralemmin-2 isoform b [Homo sapiens] | 2.11 | 4 | 1 | 1 | 1 | | | | | | | 32.42 | 2.11 | 1 | 1 | 379 | 42.2 | 5.10 |
| 578837535 | PREDICTED: PRKCA-binding protein isoform X3 [Homo sapiens] | 2.09 | 4 | 1 | 1 | 1 | | | | | | | 25.87 | 2.09 | 1 | 1 | 287 | 32.8 | 5.17 |
| 578805484 | PREDICTED: arf-GAP with GTPase, ANK repeat and PH domain-cor | 2.01 | 4 | 1 | 1 | 1 | | | | | | | 33.88 | 2.01 | 1 | 1 | 298 | 31.5 | 11.87 |
| 578820417 | PREDICTED: dickkopf-related protein 3 isoform X3 [Homo sapiens] | 1.94 | 19 | 1 | 1 | 1 | | | | | | | 20.85 | 1.94 | 1 | 1 | 258 | 27.9 | 7.20 |
| 40788007 | FYN-binding protein isoform 2 [Homo sapiens] | 1.79 | 3 | 1 | 1 | 3 | | | | | | | 59.69 | 1.79 | 2 | 3 | 783 | 85.3 | 6.48 |
| 5174647 | protein-tyrosine kinase 6 isoform 1 [Homo sapiens] | 1.77 | 1 | 1 | 1 | 1 | | | | | | | 28.83 | 1.77 | 1 | 1 | 451 | 51.8 | 7.03 |
| 530370501 | PREDICTED: pejvakin isoform X4 [Homo sapiens] | 1.72 | 5 | 1 | 1 | 1 | | | | | | | 29.41 | 1.72 | 1 | 1 | 349 | 39.8 | 8.92 |
| 530370275 | PREDICTED: long-chain specific acyl-CoA dehydrogenase, mitochor | 1.71 | 2 | 1 | 1 | 1 | | | | | | | 41.11 | 1.71 | 1 | 1 | 409 | 45.3 | 6.83 |
| 530399245 | PREDICTED: coiled-coil domain-containing protein 91 isoform X4 [I | 1.70 | 3 | 1 | 1 | 1 | | | | | | | 0.00 | 1.70 | 1 | 1 | 411 | 47.0 | 5.43 |
| 7019569 | vacuolar protein sorting-associated protein 4A [Homo sapiens] | 1.60 | 1 | 1 | 1 | 1 | | | | | | | 41.10 | 1.60 | 1 | 1 | 437 | 48.9 | 7.80 |
| 530361936 | PREDICTED: coiled-coil domain-containing protein 17 isoform X10 | 1.58 | 5 | 1 | 1 | 1 | | | | | | | 29.41 | 1.58 | 1 | 1 | 443 | 47.8 | 6.04 |
| 320461728 | DNA replication ATP-dependent helicase/nuclease DNA2 [Homo sa | 1.51 | 30 | 2 | 2 | 2 | | | | | | | 34.29 | 1.51 | 2 | 2 | 1060 | 120.3 | 7.74 |
| 358679303 | mucolipin-3 isoform 2 [Homo sapiens] | 1.41 | 3 | 1 | 1 | 2 | | | | | | | 61.02 | 1.41 | 2 | 2 | 497 | 57.7 | 6.46 |
| 661903019 | hyaluronan synthase 1 isoform 2 [Homo sapiens] | 1.39 | 2 | 1 | 1 | 1 | | | | | | | 29.41 | 1.39 | 1 | 1 | 577 | 64.7 | 9.19 |
| 578830763 | PREDICTED: sodium-independent sulfate anion transporter isoform | 1.36 | 52 | 1 | 2 | 2 | | | | | | | 46.78 | 1.36 | 2 | 2 | 441 | 47.5 | 6.71 |
| 574957162 | major facilitator superfamily domain-containing protein 1 isoform 3 | 1.36 | 4 | 1 | 1 | 1 | | | | | | | 30.85 | 1.36 | 1 | 1 | 368 | 40.5 | 8.00 |
| 75677567 | dyslexia susceptibility 1 candidate gene 1 protein isoform b [Homo | 1.33 | 24 | 1 | 1 | 2 | | | | | | | 40.21 | 1.33 | 2 | 2 | 376 | 44.0 | 9.36 |
| 5729812 | RNA polymerase II elongation factor ELL [Homo sapiens] | 1.29 | 1 | 1 | 1 | 1 | | | | | | | 28.90 | 1.29 | 1 | 1 | 621 | 68.2 | 9.33 |
| 578817063 | PREDICTED: protein tyrosine phosphatase domain-containing prote | 1.27 | 6 | 1 | 1 | 1 | | | | | | | 35.99 | 1.27 | 1 | 1 | 630 | 70.6 | 7.66 |
| 115496169 | myosin-7 [Homo sapiens] | 1.24 | 15 | 1 | 4 | 19 | | | | | | | 463.22 | 1.24 | 9 | 19 | 1935 | 223.0 | 5.80 |
| 296080691 | TCDD-inducible poly [ADP-ribose] polymerase [Homo sapiens] | 1.22 | 1 | 1 | 1 | 2 | | | | | | | 46.03 | 1.22 | 1 | 2 | 657 | 76.2 | 6.65 |
| 221625538 | MORC family CW-type zinc finger protein 1 [Homo sapiens] | 1.22 | 17 | 2 | 2 | 3 | | | | | | | 57.66 | 1.22 | 3 | 3 | 984 | 112.8 | 7.85 |
| 62945417 | dystrophia myotonica WD repeat-containing protein [Homo sapiens | 1.19 | 4 | 1 | 2 | 26 | | | | | | | 362.92 | 1.19 | 4 | 26 | 674 | 70.4 | 7.24 |
| 530424037 | PREDICTED: HEAT repeat-containing protein 3 isoform X1 [Homo s | 1.18 | 2 | 1 | 1 | 1 | | | | | | | 32.18 | 1.18 | 1 | 1 | 594 | 65.8 | 5.11 |
| 530405894 | PREDICTED: unconventional myosin-Va isoform X7 [Homo sapiens | 1.15 | 9 | 1 | 3 | 23 | | | | | | | 214.34 | 1.15 | 8 | 23 | 1481 | 172.8 | 8.48 |
| 14277682 | protocadherin gamma-C4 isoform 2 precursor [Homo sapiens] | 1.15 | 2 | 1 | 1 | 2 | | | | | | | 28.32 | 1.15 | 1 | 2 | 871 | 94.4 | 5.12 |
| 530386281 | PREDICTED: RAD50-interacting protein 1 isoform X1 [Homo sapier | 1.11 | 4 | 1 | 1 | 1 | | | | | | | 24.93 | 1.11 | 1 | 1 | 451 | 51.9 | 5.53 |
| 530415807 | PREDICTED: zinc finger protein 599 isoform X1 [Homo sapiens] | 1.09 | 2 | 1 | 1 | 1 | | | | | | | 29.41 | 1.09 | 1 | 1 | 551 | 63.4 | 8.56 |
| 21361749 | ubiquitin carboxyl-terminal hydrolase 49 isoform b [Homo sapiens] | 1.09 | 2 | 1 | 1 | 1 | | | | | | | 24.53 | 1.09 | 1 | 1 | 640 | 73.4 | 9.25 |
| 530401776 | PREDICTED: tectonic-2 isoform X1 [Homo sapiens] | 1.07 | 4 | 1 | 1 | 1 | | | | | | | 33.21 | 1.07 | 1 | 1 | 652 | 71.6 | 5.11 |
| 4508029 | zinc finger protein 45 [Homo sapiens] | 1.03 | 1 | 1 | 1 | 1 | | | | | | | 28.16 | 1.03 | 1 | 1 | 682 | 78.2 | 8.66 |
| 148612825 | ras-associating and dilute domain-containing protein [Homo sapien | 1.02 | 39 | 1 | 2 | 3 | | | | | | | 24.11 | 1.02 | 3 | 3 | 1075 | 117.4 | 7.09 |
| 578806453 | PREDICTED: semaphorin-3F isoform X4 [Homo sapiens] | 1.02 | 3 | 1 | 1 | 2 | | | | | | | 39.62 | 1.02 | 2 | 2 | 588 | 66.0 | 8.07 |
| 578813371 | PREDICTED: NAC-alpha domain-containing protein 1 isoform X1 [H | 0.96 | 2 | 1 | 1 | 1 | | | | | | | 37.59 | 0.96 | 1 | 1 | 1349 | 139.8 | 4.22 |
| 54792092 | ATM interactor isoform 1 [Homo sapiens] | 0.85 | 1 | 1 | 1 | 1 | | | | | | | 32.33 | 0.85 | 1 | 1 | 823 | 88.3 | 5.16 |
| 530390312 | PREDICTED: ankyrin repeat domain-containing protein 20A2 isofor | 0.85 | 7 | 1 | 1 | 1 | | | | | | | 28.84 | 0.85 | 1 | 1 | 822 | 93.9 | 7.94 |
| 4758650 | kinesin heavy chain isoform 5C [Homo sapiens] | 0.84 | 1 | 1 | 1 | 1 | | | | | | | 28.16 | 0.84 | 1 | 1 | 957 | 109.4 | 6.19 |
| 578802241 | PREDICTED: nuclear valosin-containing protein-like isoform X7 [Ho | 0.84 | 8 | 1 | 1 | 2 | | | | | | | 31.50 | 0.84 | 2 | 2 | 592 | 65.2 | 6.55 |
| 578830435 | PREDICTED: alpha-1,6-mannosylglycoprotein 6-beta-N-acetylgluco | 0.82 | 5 | 1 | 1 | 1 | | | | | | | 26.46 | 0.82 | 1 | 1 | 729 | 82.1 | 8.13 |
| 530421602 | PREDICTED: RNA-binding protein 10 isoform X3 [Homo sapiens] | 0.76 | 4 | 1 | 1 | 7 | | | | | | | 51.88 | 0.76 | 1 | 7 | 917 | 101.1 | 7.17 |
| 530366183 | PREDICTED: melanoma inhibitory activity protein 3 isoform X2 [Ho | 0.76 | 4 | 1 | 1 | 1 | | | | | | | 36.49 | 0.76 | 1 | 1 | 785 | 87.4 | 6.83 |
| 342307096 | huntingtin-interacting protein 1 isoform 2 [Homo sapiens] | 0.71 | 4 | 1 | 1 | 3 | | | | | | | 37.87 | 0.71 | 1 | 3 | 986 | 110.6 | 5.27 |
| 6912446 | potassium voltage-gated channel subfamily H member 4 [Homo sa | 0.69 | 1 | 1 | 1 | 1 | | | | | | | 15.66 | 0.69 | 1 | 1 | 1017 | 111.6 | 8.54 |
| 145580626 | transcription factor E2F7 [Homo sapiens] | 0.66 | 3 | 1 | 1 | 1 | | | | | | | 27.01 | 0.66 | 1 | 1 | 911 | 99.8 | 8.16 |
| 578833657 | PREDICTED: uncharacterized protein KIAA1683 isoform X2 [Homo | 0.65 | 4 | 1 | 1 | 1 | | | | | | | 29.41 | 0.65 | 1 | 1 | 1085 | 115.7 | 9.77 |
| 411147433 | F-box only protein 38 isoform c [Homo sapiens] | 0.64 | 4 | 1 | 1 | 2 | | | | | | | 36.87 | 0.64 | 2 | 2 | 943 | 107.6 | 6.18 |
| 118421089 | chromodomain-helicase-DNA-binding protein 2 isoform 1 [Homo sa | 0.60 | 5 | 1 | 2 | 5 | | | | | | | 57.00 | 0.60 | 5 | 5 | 1828 | 211.2 | 8.10 |
| 229892308 | shugoshin-like 2 isoform 2 [Homo sapiens] | 0.56 | 5 | 1 | 1 | 1 | | | | | | | 24.42 | 0.56 | 1 | 1 | 1260 | 143.9 | 7.68 |
| 578810464 | PREDICTED: protein LAP2 isoform X4 [Homo sapiens] | 0.56 | 10 | 1 | 1 | 1 | | | | | | | 19.02 | 0.56 | 1 | 1 | 1246 | 139.9 | 5.33 |
| 291621660 | dmX-like protein 2 isoform 3 [Homo sapiens] | 0.54 | 8 | 1 | 2 | 5 | | | | | | | 123.08 | 0.54 | 5 | 5 | 2400 | 270.0 | 6.60 |
| 464402377 | WD repeat-containing protein 72 isoform a [Homo sapiens] | 0.54 | 1 | 1 | 1 | 1 | | | | | | | 35.36 | 0.54 | 1 | 1 | 1102 | 123.3 | 6.67 |
| 132566536 | voltage-dependent calcium channel subunit alpha-2/delta-4 [Homo | 0.53 | 1 | 1 | 1 | 1 | | | | | | | 24.39 | 0.53 | 1 | 1 | 1137 | 127.9 | 5.35 |
| 578812608 | PREDICTED: PHD finger protein 3 isoform X5 [Homo sapiens] | 0.51 | 4 | 1 | 1 | 1 | | | | | | | 24.54 | 0.51 | 1 | 1 | 1181 | 133.5 | 8.31 |
| 46488921 | astrotactin-1 isoform 2 precursor [Homo sapiens] | 0.49 | 3 | 1 | 1 | 1 | | | | | | | 26.63 | 0.49 | 1 | 1 | 1216 | 135.0 | 5.15 |
| 578810445 | PREDICTED: ATP-dependent RNA helicase DHX29 isoform X2 [Hon | 0.46 | 2 | 1 | 1 | 1 | | | | | | | 21.21 | 0.46 | 1 | 1 | 1318 | 149.5 | 8.29 |
| 116534990 | transient receptor potential cation channel subfamily A member 1 [ | 0.45 | 9 | 1 | 1 | 5 | | | | | | | 51.72 | 0.45 | 3 | 5 | 1119 | 127.4 | 7.12 |
| 374532823 | Golgin subfamily B member 1 isoform 4 [Homo sapiens] | 0.44 | 11 | 1 | 2 | 3 | | | | | | | 35.27 | 0.44 | 3 | 3 | 3184 | 367.2 | 5.02 |
| 183583553 | collagen alpha-5(VI) chain isoform 2 precursor [Homo sapiens] | 0.44 | 2 | 1 | 1 | 1 | | | | | | | 28.74 | 0.44 | 1 | 1 | 2526 | 279.8 | 7.36 |
| 578838883 | PREDICTED: plexin-A3 isoform X4 [Homo sapiens] | 0.41 | 5 | 1 | 1 | 2 | | | | | | | 30.64 | 0.41 | 1 | 2 | 1719 | 190.1 | 7.25 |
| 578837337 | PREDICTED: EF-hand calcium-binding domain-containing protein 6 | 0.35 | 3 | 1 | 1 | 2 | | | | | | | 30.88 | 0.35 | 1 | 2 | 1424 | 163.8 | 8.46 |
| 578825656 | PREDICTED: zinc finger FYVE domain-containing protein 26 isoforn | 0.32 | 2 | 1 | 1 | 2 | | | | | | | 23.13 | 0.32 | 2 | 2 | 2497 | 279.9 | 6.28 |
| 578811634 | PREDICTED: zinc finger protein 40 isoform X2 [Homo sapiens] | 0.30 | 2 | 1 | 1 | 1 | | | | | | | 30.94 | 0.30 | 1 | 1 | 2026 | 222.1 | 8.31 |
| 88501738 | TRIO and F-actin-binding protein isoform 6 [Homo sapiens] | 0.25 | 1 | 1 | 1 | 2 | | | | | | | 34.52 | 0.25 | 2 | 2 | 2365 | 261.2 | 8.48 |
| 222144249 | dynein heavy chain domain-containing protein 1 isoform 1 [Homo s | 0.21 | 60 | 1 | 2 | 6 | | | | | | | 57.32 | 0.21 | 4 | 6 | 4753 | 533.3 | 6.71 |

# Appendix C
# Cytokine

## Antibody Array Assay Results

## Assay Data

**Cytokine Profiling Antibody Array**

*Median Signal* *681* *378*

| **Protein List** | **Fold Change between Samples** | **Protein List** | **Average Signal of Replicate Spots** | | **Coefficient of Variation for Replicates** | | **Data Normalized to Median Signal** | |
|---|---|---|---|---|---|---|---|---|
| | **Smaller Sample/Bigger Sample** | | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** |
| Beta actin | 2.62 | Beta actin | 14532 | 21117 | 0.04 | 0.04 | 21.34 | 55.87 |
| TGF beta Receptor III | 2.27 | TGF beta Receptor III | 1459 | 1841 | 0.07 | 0.05 | 2.14 | 4.87 |
| Total PSA | 2.18 | Total PSA | 2236 | 2701 | 0.10 | 0.07 | 3.28 | 7.15 |
| Catenin-alpha1 | 2.02 | Catenin-alpha1 | 9018 | 10087 | 0.20 | 0.23 | 13.24 | 26.69 |
| CEA | 2.01 | CEA | 4750 | 5298 | 0.06 | 0.08 | 6.98 | 14.01 |
| MMP-2 | 1.98 | MMP-2 | 5091 | 5584 | 0.35 | 0.66 | 7.48 | 14.77 |
| FSH | 1.88 | FSH | 1146 | 1199 | 0.05 | 0.08 | 1.68 | 3.17 |
| IL-12 | 1.88 | IL-12 | 7715 | 8054 | 0.08 | 0.12 | 11.33 | 21.31 |
| Catenin-gamma | 1.87 | Catenin-gamma | 2756 | 2866 | 0.07 | 0.11 | 4.05 | 7.58 |
| TYRO3 | 1.86 | TYRO3 | 1093 | 1130 | 0.03 | 0.10 | 1.61 | 2.99 |
| LEC | 1.85 | LEC | 772 | 792 | 0.07 | 0.11 | 1.13 | 2.09 |
| FGFR1 Oncogene Partner | 1.83 | FGFR1 Oncogene Partner | 1356 | 1380 | 0.06 | 0.04 | 1.99 | 3.65 |
| C-Kit | 1.82 | C-Kit | 2664 | 2685 | 0.04 | 0.06 | 3.91 | 7.10 |
| VEGFB | 1.77 | VEGFB | 6366 | 6259 | 0.10 | 0.07 | 9.35 | 16.56 |
| BCL-10 | 1.77 | BCL-10 | 6891 | 6770 | 0.09 | 0.11 | 10.12 | 17.91 |
| TGF-beta1 | 1.77 | TGF-beta1 | 3778 | 3708 | 0.15 | 0.16 | 5.55 | 9.81 |
| MMP-10 | 1.76 | MMP-10 | 8395 | 8192 | 0.08 | 0.05 | 12.33 | 21.67 |
| gAcrp30/Adipolean | 1.75 | gAcrp30/Adipolean | 1304 | 1265 | 0.12 | 0.02 | 1.92 | 3.35 |
| CD14 | 1.67 | CD14 | 1048 | 970 | 0.15 | 0.13 | 1.54 | 2.57 |
| TGF beta2 | 1.59 | TGF beta2 | 1365 | 1204 | 0.03 | 0.04 | 2.00 | 3.18 |
| NGF beta | 1.56 | NGF beta | 1590 | 1380 | 0.03 | 0.07 | 2.33 | 3.65 |
| FGF-5 | 1.56 | FGF-5 | 1466 | 1272 | 0.05 | 0.10 | 2.15 | 3.36 |
| MCP-2 | 1.54 | MCP-2 | 419 | 358 | 0.03 | 0.13 | 0.61 | 0.95 |
| AKT1 | 1.54 | AKT1 | 351 | 300 | 0.03 | 0.02 | 0.51 | 0.79 |
| IL-1 beta | 1.52 | IL-1 beta | 404 | 340 | 0.01 | 0.03 | 0.59 | 0.90 |
| STAT6 | 1.51 | STAT6 | 387 | 325 | 0.02 | 0.05 | 0.57 | 0.86 |
| GAPDH | 1.49 | GAPDH | 432 | 358 | 0.02 | 0.05 | 0.63 | 0.95 |
| Myeloperoxidase (MPO) | 1.49 | Myeloperoxidase (MPO) | 684 | 566 | 0.11 | 0.06 | 1.00 | 1.50 |
| Prolactin | 1.49 | Prolactin | 341 | 281 | 0.03 | 0.03 | 0.50 | 0.74 |
| MDC | 1.48 | MDC | 382 | 313 | 0.03 | 0.09 | 0.56 | 0.83 |
| HER3 | 1.48 | HER3 | 399 | 327 | 0.02 | 0.02 | 0.59 | 0.86 |
| E-Selectin | 1.47 | E-Selectin | 389 | 318 | 0.02 | 0.05 | 0.57 | 0.84 |
| sFas Ligand/Apo1L | 1.47 | sFas Ligand/Apo1L | 416 | 340 | 0.02 | 0.01 | 0.61 | 0.90 |
| Leptin | 1.46 | Leptin | 865 | 700 | 0.02 | 0.03 | 1.27 | 1.85 |
| sRANKL | 1.45 | sRANKL | 13558 | 10914 | 0.08 | 0.06 | 19.91 | 28.87 |
| SCGF-beta | 1.45 | SCGF-beta | 458 | 368 | 0.04 | 0.04 | 0.67 | 0.97 |
| GSK3 beta | 1.45 | GSK3 beta | 796 | 639 | 0.09 | 0.07 | 1.17 | 1.69 |
| EGR1 | 1.45 | EGR1 | 477 | 383 | 0.02 | 0.02 | 0.70 | 1.01 |
| PDGFB | 1.45 | PDGFB | 759 | 609 | 0.11 | 0.04 | 1.11 | 1.61 |
| SCF | 1.44 | SCF | 471 | 377 | 0.02 | 0.02 | 0.69 | 1.00 |
| Hepatocyte Growth Factor (HGF) | 1.44 | Hepatocyte Growth Factor (HGF) | 392 | 313 | 0.03 | 0.02 | 0.58 | 0.83 |
| IL-6 | 1.44 | IL-6 | 404 | 322 | 0.02 | 0.01 | 0.59 | 0.85 |
| Adiponectin | 1.44 | Adiponectin | 452 | 360 | 0.04 | 0.02 | 0.66 | 0.95 |
| MCP-4 | 1.43 | MCP-4 | 378 | 300 | 0.02 | 0.07 | 0.56 | 0.79 |
| L-Selectin | 1.42 | L-Selectin | 461 | 365 | 0.02 | 0.02 | 0.68 | 0.96 |
| 4E-BP1 | 1.42 | 4E-BP1 | 347 | 274 | 0.03 | 0.03 | 0.51 | 0.72 |
| TSH | 1.42 | TSH | 371 | 293 | 0.02 | 0.02 | 0.55 | 0.78 |
| HGH | 1.42 | HGH | 330 | 261 | 0.02 | 0.01 | 0.49 | 0.69 |
| IL-7 | 1.42 | IL-7 | 346 | 273 | 0.01 | 0.04 | 0.51 | 0.72 |
| BMP-7/OP-1 | 1.42 | BMP-7/OP-1 | 379 | 298 | 0.02 | 0.02 | 0.56 | 0.79 |
| EGF | 1.42 | EGF | 540 | 426 | 0.03 | 0.03 | 0.79 | 1.13 |

## Antibody Array Assay Results

## Assay Data

**Cytokine Profiling Antibody Array**

*Median Signal* *681* *378*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| MCP-1/MCAF | 1.42 | MCP-1/MCAF | 402 | 317 | 0.02 | 0.03 | 0.59 | 0.84 |
| hCG | 1.42 | hCG | 339 | 266 | 0.01 | 0.02 | 0.50 | 0.70 |
| NAP-2 | 1.42 | NAP-2 | 374 | 294 | 0.02 | 0.02 | 0.55 | 0.78 |
| Myostatin (GDF-8) | 1.41 | Myostatin (GDF-8) | 3265 | 2560 | 0.14 | 0.21 | 4.79 | 6.77 |
| RANTES | 1.40 | RANTES | 462 | 359 | 0.02 | 0.03 | 0.68 | 0.95 |
| beta hCG | 1.40 | beta hCG | 431 | 334 | 0.01 | 0.04 | 0.63 | 0.88 |
| LH (Human Luteinizing Hormone) | 1.39 | LH (Human Luteinizing Hormone) | 339 | 263 | 0.02 | 0.01 | 0.50 | 0.69 |
| FGF-basic | 1.39 | FGF-basic | 368 | 285 | 0.01 | 0.03 | 0.54 | 0.75 |
| IFN-gamma | 1.39 | IFN-gamma | 388 | 299 | 0.03 | 0.03 | 0.57 | 0.79 |
| VEGF | 1.39 | VEGF | 14260 | 10992 | 0.14 | 0.08 | 20.94 | 29.08 |
| sIL-2R alpha | 1.39 | sIL-2R alpha | 509 | 391 | 0.03 | 0.01 | 0.75 | 1.03 |
| MIP-3beta | 1.38 | MIP-3beta | 984 | 752 | 0.11 | 0.13 | 1.44 | 1.99 |
| TECK | 1.37 | TECK | 515 | 391 | 0.07 | 0.02 | 0.76 | 1.04 |
| PTK6 | 1.37 | PTK6 | 408 | 310 | 0.03 | 0.02 | 0.60 | 0.82 |
| IL-15 | 1.36 | IL-15 | 2094 | 1585 | 0.03 | 0.04 | 3.08 | 4.19 |
| MCP-3 | 1.36 | MCP-3 | 740 | 558 | 0.02 | 0.03 | 1.09 | 1.48 |
| ICAM-1 | 1.36 | ICAM-1 | 428 | 323 | 0.02 | 0.04 | 0.63 | 0.85 |
| MMP-23 | 1.36 | MMP-23 | 465 | 350 | 0.03 | 0.05 | 0.68 | 0.93 |
| EPCAM | 1.35 | EPCAM | 467 | 350 | 0.02 | 0.03 | 0.69 | 0.93 |
| PSA-ACT | 1.35 | PSA-ACT | 839 | 629 | 0.16 | 0.09 | 1.23 | 1.66 |
| Thyroglobulin | 1.35 | Thyroglobulin | 481 | 360 | 0.02 | 0.06 | 0.71 | 0.95 |
| IL-20 | 1.35 | IL-20 | 437 | 327 | 0.02 | 0.03 | 0.64 | 0.87 |
| Insulin | 1.35 | Insulin | 468 | 350 | 0.02 | 0.03 | 0.69 | 0.92 |
| Free PSA | 1.35 | Free PSA | 325 | 243 | 0.03 | 0.03 | 0.48 | 0.64 |
| MIP-5 | 1.34 | MIP-5 | 372 | 277 | 0.01 | 0.02 | 0.55 | 0.73 |
| GATA1 | 1.34 | GATA1 | 478 | 356 | 0.04 | 0.04 | 0.70 | 0.94 |
| BMP-4 | 1.34 | BMP-4 | 494 | 367 | 0.02 | 0.03 | 0.73 | 0.97 |
| BAFF | 1.33 | BAFF | 618 | 458 | 0.02 | 0.05 | 0.91 | 1.21 |
| S 100A10/P11 | 1.33 | S 100A10/P11 | 459 | 340 | 0.01 | 0.06 | 0.67 | 0.90 |
| TIMP2 | 1.33 | TIMP2 | 808 | 598 | 0.04 | 0.08 | 1.19 | 1.58 |
| Neurturin | 1.33 | Neurturin | 418 | 308 | 0.02 | 0.05 | 0.61 | 0.82 |
| HDAC5 | 1.33 | HDAC5 | 1718 | 1267 | 0.09 | 0.09 | 2.52 | 3.35 |
| TPO | 1.33 | TPO | 367 | 271 | 0.02 | 0.04 | 0.54 | 0.72 |
| alpha hCG | 1.32 | alpha hCG | 404 | 297 | 0.06 | 0.04 | 0.59 | 0.79 |
| FAK | 1.32 | FAK | 605 | 445 | 0.02 | 0.01 | 0.89 | 1.18 |
| MIP-3alpha | 1.32 | MIP-3alpha | 383 | 282 | 0.01 | 0.02 | 0.56 | 0.75 |
| Osteopontin | 1.32 | Osteopontin | 663 | 487 | 0.05 | 0.03 | 0.97 | 1.29 |
| ALCAM | 1.32 | ALCAM | 1433 | 1052 | 0.07 | 0.10 | 2.10 | 2.78 |
| 4-1BB Receptor | 1.32 | 4-1BB Receptor | 392 | 287 | 0.02 | 0.02 | 0.57 | 0.76 |
| IP-10 | 1.32 | IP-10 | 385 | 282 | 0.01 | 0.01 | 0.56 | 0.75 |
| FGF-16 | 1.32 | FGF-16 | 474 | 348 | 0.05 | 0.03 | 0.70 | 0.92 |
| Angiopoietin-1 | 1.31 | Angiopoietin-1 | 441 | 321 | 0.02 | 0.03 | 0.65 | 0.85 |
| LYN | 1.31 | LYN | 472 | 344 | 0.02 | 0.08 | 0.69 | 0.91 |
| BD-2 | 1.31 | BD-2 | 425 | 309 | 0.02 | 0.00 | 0.62 | 0.82 |
| Androgen receptor | 1.31 | Androgen receptor | 2888 | 2097 | 0.10 | 0.13 | 4.24 | 5.55 |
| TNF-alpha | 1.30 | TNF-alpha | 423 | 306 | 0.02 | 0.03 | 0.62 | 0.81 |
| MMP-9 | 1.30 | MMP-9 | 399 | 289 | 0.02 | 0.02 | 0.59 | 0.76 |
| EG-VEGF | 1.30 | EG-VEGF | 462 | 334 | 0.03 | 0.02 | 0.68 | 0.88 |
| ApoE3 | 1.30 | ApoE3 | 1204 | 870 | 0.05 | 0.07 | 1.77 | 2.30 |
| C-reactive Protein (CRP) | 1.30 | C-reactive Protein (CRP) | 344 | 249 | 0.02 | 0.03 | 0.51 | 0.66 |
| Eotaxin-3 | 1.30 | Eotaxin-3 | 471 | 340 | 0.03 | 0.03 | 0.69 | 0.90 |
| ITGA5 | 1.30 | ITGA5 | 493 | 355 | 0.02 | 0.06 | 0.72 | 0.94 |

## Antibody Array Assay Results

## Assay Data

**Cytokine Profiling Antibody Array**

*Median Signal* *681* *378*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| IL-11 | 1.29 | IL-11 | 413 | 296 | 0.02 | 0.02 | 0.61 | 0.78 |
| Eotaxin | 1.29 | Eotaxin | 405 | 291 | 0.03 | 0.01 | 0.59 | 0.77 |
| AKT2 | 1.29 | AKT2 | 599 | 430 | 0.03 | 0.04 | 0.88 | 1.14 |
| NT-3 | 1.29 | NT-3 | 402 | 288 | 0.05 | 0.02 | 0.59 | 0.76 |
| GSK3 alpha | 1.29 | GSK3 alpha | 532 | 381 | 0.02 | 0.04 | 0.78 | 1.01 |
| TWEAK | 1.29 | TWEAK | 438 | 313 | 0.01 | 0.04 | 0.64 | 0.83 |
| CA125 | 1.28 | CA125 | 373 | 264 | 0.02 | 0.02 | 0.55 | 0.70 |
| FGFR2 | 1.28 | FGFR2 | 585 | 414 | 0.05 | 0.05 | 0.86 | 1.10 |
| CIB1 | 1.27 | CIB1 | 549 | 389 | 0.06 | 0.02 | 0.81 | 1.03 |
| PDGFR beta | 1.27 | PDGFR beta | 446 | 315 | 0.04 | 0.03 | 0.65 | 0.83 |
| TACI | 1.27 | TACI | 998 | 702 | 0.06 | 0.04 | 1.47 | 1.86 |
| CD40 | 1.27 | CD40 | 2920 | 2053 | 0.02 | 0.08 | 4.29 | 5.43 |
| IGF-BP5 | 1.27 | IGF-BP5 | 1216 | 855 | 0.10 | 0.06 | 1.79 | 2.26 |
| NGFR | 1.26 | NGFR | 475 | 333 | 0.02 | 0.03 | 0.70 | 0.88 |
| IGF 1R | 1.26 | IGF 1R | 603 | 421 | 0.02 | 0.01 | 0.89 | 1.11 |
| Angiopoietin-2 | 1.26 | Angiopoietin-2 | 483 | 337 | 0.03 | 0.03 | 0.71 | 0.89 |
| TGF beta3 | 1.26 | TGF beta3 | 542 | 378 | 0.01 | 0.08 | 0.80 | 1.00 |
| Beta-2-Microglobulin | 1.25 | Beta-2-Microglobulin | 6782 | 4723 | 0.02 | 0.05 | 9.96 | 12.49 |
| FLI1 | 1.25 | FLI1 | 661 | 460 | 0.08 | 0.03 | 0.97 | 1.22 |
| BRAK | 1.25 | BRAK | 515 | 358 | 0.02 | 0.04 | 0.76 | 0.95 |
| Artemin | 1.25 | Artemin | 446 | 309 | 0.04 | 0.03 | 0.66 | 0.82 |
| KDR (VEGFR2) | 1.25 | KDR (VEGFR2) | 414 | 286 | 0.02 | 0.02 | 0.61 | 0.76 |
| LD78beta | 1.24 | LD78beta | 655 | 450 | 0.03 | 0.10 | 0.96 | 1.19 |
| MLL | 1.23 | MLL | 1244 | 849 | 0.08 | 0.05 | 1.83 | 2.25 |
| sCD40 Ligand | 1.23 | sCD40 Ligand | 469 | 320 | 0.03 | 0.03 | 0.69 | 0.85 |
| CA19-9 | 1.22 | CA19-9 | 526 | 356 | 0.01 | 0.00 | 0.77 | 0.94 |
| Flt-1 | 1.21 | Flt-1 | 489 | 330 | 0.04 | 0.03 | 0.72 | 0.87 |
| TGF beta Receptor II | 1.21 | TGF beta Receptor II | 680 | 457 | 0.07 | 0.08 | 1.00 | 1.21 |
| PDGFR alpha | 1.20 | PDGFR alpha | 891 | 594 | 0.05 | 0.06 | 1.31 | 1.57 |
| HCC-1 | 1.20 | HCC-1 | 653 | 435 | 0.05 | 0.04 | 0.96 | 1.15 |
| VCAM-1 | 1.20 | VCAM-1 | 576 | 383 | 0.03 | 0.02 | 0.85 | 1.01 |
| NP-1 | 1.20 | NP-1 | 743 | 494 | 0.07 | 0.07 | 1.09 | 1.31 |
| CTGF | 1.20 | CTGF | 1394 | 926 | 0.07 | 0.10 | 2.05 | 2.45 |
| AXL | 1.19 | AXL | 454 | 301 | 0.04 | 0.03 | 0.67 | 0.79 |
| PIGF | 1.19 | PIGF | 717 | 473 | 0.10 | 0.07 | 1.05 | 1.25 |
| MMP-16 | 1.19 | MMP-16 | 469 | 309 | 0.04 | 0.04 | 0.69 | 0.82 |
| TIMP3 | 1.19 | TIMP3 | 618 | 407 | 0.02 | 0.02 | 0.91 | 1.08 |
| Eotaxin-2 | 1.19 | Eotaxin-2 | 480 | 316 | 0.05 | 0.03 | 0.70 | 0.84 |
| MMP-14 | 1.19 | MMP-14 | 463 | 305 | 0.06 | 0.04 | 0.68 | 0.81 |
| MMP-8 | 1.18 | MMP-8 | 652 | 428 | 0.04 | 0.22 | 0.96 | 1.13 |
| FGF-10 | 1.18 | FGF-10 | 506 | 331 | 0.02 | 0.02 | 0.74 | 0.88 |
| CA15-3 | 1.18 | CA15-3 | 471 | 308 | 0.03 | 0.02 | 0.69 | 0.82 |
| NT-4 | 1.17 | NT-4 | 514 | 335 | 0.03 | 0.02 | 0.76 | 0.89 |
| Galectin-3 | 1.17 | Galectin-3 | 2016 | 1314 | 0.04 | 0.04 | 2.96 | 3.48 |
| HDAC1 | 1.17 | HDAC1 | 701 | 455 | 0.07 | 0.05 | 1.03 | 1.20 |
| CD44 | 1.16 | CD44 | 515 | 333 | 0.02 | 0.02 | 0.76 | 0.88 |
| Vaspin | 1.16 | Vaspin | 698 | 450 | 0.06 | 0.07 | 1.03 | 1.19 |
| MMP-7 | 1.16 | MMP-7 | 725 | 467 | 0.15 | 0.09 | 1.07 | 1.24 |
| RON | 1.16 | RON | 438 | 281 | 0.02 | 0.03 | 0.64 | 0.74 |
| MMP-3 | 1.15 | MMP-3 | 508 | 326 | 0.19 | 0.06 | 0.75 | 0.86 |
| SOX2 | 1.15 | SOX2 | 537 | 343 | 0.02 | 0.11 | 0.79 | 0.91 |
| AFP | 1.15 | AFP | 2387 | 1521 | 0.12 | 0.09 | 3.51 | 4.02 |
| HDAC7 | 1.15 | HDAC7 | 466 | 297 | 0.05 | 0.02 | 0.68 | 0.79 |
| PROZ | 1.14 | PROZ | 2063 | 1302 | 0.06 | 0.06 | 3.03 | 3.44 |
| YES 1 | 1.14 | YES 1 | 491 | 310 | 0.02 | 0.04 | 0.72 | 0.82 |
| MEC | 1.13 | MEC | 713 | 448 | 0.07 | 0.18 | 1.05 | 1.19 |
| IGF-BP3 | 1.13 | IGF-BP3 | 964 | 603 | 0.05 | 0.07 | 1.41 | 1.60 |
| S 100B | 1.13 | S 100B | 485 | 303 | 0.01 | 0.03 | 0.71 | 0.80 |

## Antibody Array Assay Results

## Assay Data

**Cytokine Profiling Antibody Array**

*Median Signal* *681* *378*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| Lymphotactin | 1.13 | Lymphotactin | 504 | 315 | 0.03 | 0.03 | 0.74 | 0.83 |
| STAT5A | 1.12 | STAT5A | 481 | 299 | 0.04 | 0.04 | 0.71 | 0.79 |
| WNT-1 | 1.12 | WNT-1 | 599 | 372 | 0.06 | 0.04 | 0.88 | 0.98 |
| Granzyme B | 1.11 | Granzyme B | 846 | 523 | 0.05 | 0.07 | 1.24 | 1.38 |
| MIG | 1.11 | MIG | 564 | 349 | 0.03 | 0.04 | 0.83 | 0.92 |
| MMP-11 | 1.11 | MMP-11 | 715 | 440 | 0.07 | 0.04 | 1.05 | 1.16 |
| S100 A1 | 1.11 | S100 A1 | 651 | 401 | 0.05 | 0.06 | 0.96 | 1.06 |
| MMP-19 | 1.11 | MMP-19 | 820 | 504 | 0.17 | 0.09 | 1.20 | 1.33 |
| IL-2 | 1.10 | IL-2 | 527 | 322 | 0.01 | 0.02 | 0.77 | 0.85 |
| Heregulin | 1.10 | Heregulin | 885 | 539 | 0.09 | 0.06 | 1.30 | 1.42 |
| sCD22 | 1.10 | sCD22 | 768 | 467 | 0.08 | 0.04 | 1.13 | 1.24 |
| STAT1 | 1.09 | STAT1 | 544 | 330 | 0.03 | 0.02 | 0.80 | 0.87 |
| FGFR3 | 1.09 | FGFR3 | 741 | 449 | 0.14 | 0.05 | 1.09 | 1.19 |
| IGF-BP2 | 1.09 | IGF-BP2 | 673 | 407 | 0.04 | 0.05 | 0.99 | 1.08 |
| CTGFL/WISP-2 | 1.09 | CTGFL/WISP-2 | 745 | 450 | 0.04 | 0.02 | 1.09 | 1.19 |
| IL-16 | 1.08 | IL-16 | 522 | 311 | 0.05 | 0.02 | 0.77 | 0.82 |
| HDAC6 | 1.07 | HDAC6 | 659 | 393 | 0.09 | 0.06 | 0.97 | 1.04 |
| SRC | 1.07 | SRC | 522 | 311 | 0.01 | 0.03 | 0.77 | 0.82 |
| sTNF-receptor | 1.07 | sTNF-receptor | 628 | 374 | 0.03 | 0.02 | 0.92 | 0.99 |
| IGF-BP7 | 1.06 | IGF-BP7 | 911 | 539 | 0.08 | 0.02 | 1.34 | 1.43 |
| Apolipoprotein L1 (APOL1) | 1.06 | Apolipoprotein L1 (APOL1) | 557 | 329 | 0.07 | 0.02 | 0.82 | 0.87 |
| SDF-1alpha | 1.06 | SDF-1alpha | 1605 | 945 | 0.14 | 0.11 | 2.36 | 2.50 |
| IL-8 | 1.05 | IL-8 | 682 | 399 | 0.05 | 0.04 | 1.00 | 1.06 |
| SDF-1beta | 1.05 | SDF-1beta | 557 | 326 | 0.03 | 0.04 | 0.82 | 0.86 |
| RELM beta | 1.05 | RELM beta | 647 | 378 | 0.05 | 0.04 | 0.95 | 1.00 |
| IL-19 | 1.05 | IL-19 | 1172 | 680 | 0.04 | 0.03 | 1.72 | 1.80 |
| WNT-3a | 1.04 | WNT-3a | 572 | 332 | 0.05 | 0.02 | 0.84 | 0.88 |
| GATA3 | 1.04 | GATA3 | 613 | 354 | 0.03 | 0.02 | 0.90 | 0.94 |
| sTRAIL/APO2L | 1.04 | sTRAIL/APO2L | 561 | 324 | 0.03 | 0.02 | 0.82 | 0.86 |
| HDAC9 | 1.04 | HDAC9 | 548 | 315 | 0.05 | 0.03 | 0.80 | 0.83 |
| Tyrosinase | 1.03 | Tyrosinase | 605 | 347 | 0.04 | 0.02 | 0.89 | 0.92 |
| MMP-1 | 1.03 | MMP-1 | 717 | 410 | 0.08 | 0.04 | 1.05 | 1.09 |
| IFN-lambda2 | 1.03 | IFN-lambda2 | 1230 | 704 | 0.07 | 0.07 | 1.81 | 1.86 |
| BD-3 | 1.03 | BD-3 | 548 | 312 | 0.02 | 0.01 | 0.80 | 0.83 |
| IL-10 | 1.02 | IL-10 | 796 | 453 | 0.05 | 0.05 | 1.17 | 1.20 |
| HDAC10 | 1.02 | HDAC10 | 603 | 340 | 0.08 | 0.04 | 0.89 | 0.90 |
| Apolipoprotein F (APOF) | 1.01 | Apolipoprotein F (APOF) | 675 | 380 | 0.05 | 0.02 | 0.99 | 1.01 |
| FGF-17 | 1.01 | FGF-17 | 552 | 309 | 0.04 | 0.02 | 0.81 | 0.82 |
| GDNF | 1.00 | GDNF | 553 | 309 | 0.04 | 0.02 | 0.81 | 0.82 |
| CTACK | 1.00 | CTACK | 631 | 352 | 0.04 | 0.03 | 0.93 | 0.93 |
| Maspin | 1.00 | Maspin | 706 | 393 | 0.04 | 0.02 | 1.04 | 1.04 |
| MMP-15 | 1.00 | MMP-15 | 553 | 308 | 0.01 | 0.02 | 0.81 | 0.81 |
| GCP-2 | 1.00 | GCP-2 | 534 | 297 | 0.05 | 0.02 | 0.78 | 0.78 |
| M-CSF | 1.00 | M-CSF | 623 | 345 | 0.04 | 0.04 | 0.92 | 0.91 |
| IL-4 | 0.99 | IL-4 | 641 | 353 | 0.03 | 0.03 | 0.94 | 0.93 |
| TSLP | 0.99 | TSLP | 619 | 340 | 0.03 | 0.03 | 0.91 | 0.90 |
| Integrin beta5 | 0.99 | Integrin beta5 | 599 | 328 | 0.05 | 0.04 | 0.88 | 0.87 |
| GDF-3 | 0.98 | GDF-3 | 874 | 478 | 0.05 | 0.04 | 1.28 | 1.26 |
| BD-4 | 0.98 | BD-4 | 594 | 324 | 0.05 | 0.01 | 0.87 | 0.86 |
| BMP-2 | 0.98 | BMP-2 | 766 | 416 | 0.03 | 0.03 | 1.12 | 1.10 |
| STAT3 | 0.98 | STAT3 | 568 | 308 | 0.08 | 0.08 | 0.83 | 0.82 |
| Ubiquitin | 0.97 | Ubiquitin | 841 | 454 | 0.03 | 0.04 | 1.24 | 1.20 |
| IL-17D | 0.97 | IL-17D | 604 | 325 | 0.03 | 0.00 | 0.89 | 0.86 |
| MIP-1beta | 0.97 | MIP-1beta | 588 | 316 | 0.07 | 0.01 | 0.86 | 0.84 |
| ERCC6 | 0.97 | ERCC6 | 931 | 500 | 0.06 | 0.03 | 1.37 | 1.32 |
| Cardiotrophin-1 | 0.96 | Cardiotrophin-1 | 947 | 504 | 0.07 | 0.04 | 1.39 | 1.33 |
| FGF-acidic | 0.96 | FGF-acidic | 748 | 398 | 0.07 | 0.04 | 1.10 | 1.05 |
| TL-1A | 0.96 | TL-1A | 597 | 317 | 0.03 | 0.02 | 0.88 | 0.84 |

## Antibody Array Assay Results

**Cytokine Profiling Antibody Array**

## Assay Data

*Median Signal* 681 378

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| MIP-1alpha | 0.95 | MIP-1alpha | 606 | 320 | 0.02 | 0.02 | 0.89 | 0.85 |
| BDNF | 0.95 | BDNF | 610 | 321 | 0.05 | 0.05 | 0.90 | 0.85 |
| IGF-I | 0.95 | IGF-I | 747 | 393 | 0.05 | 0.03 | 1.10 | 1.04 |
| Oncostatin M | 0.94 | Oncostatin M | 568 | 298 | 0.02 | 0.04 | 0.83 | 0.79 |
| Persephin | 0.94 | Persephin | 695 | 363 | 0.04 | 0.04 | 1.02 | 0.96 |
| IL-33 | 0.94 | IL-33 | 685 | 358 | 0.06 | 0.03 | 1.01 | 0.95 |
| sDLL-4 | 0.94 | sDLL-4 | 975 | 509 | 0.04 | 0.02 | 1.43 | 1.35 |
| MIP-3 | 0.94 | MIP-3 | 562 | 292 | 0.03 | 0.03 | 0.82 | 0.77 |
| PDGF-AA | 0.93 | PDGF-AA | 642 | 333 | 0.02 | 0.03 | 0.94 | 0.88 |
| Apolipoprotein L2 (APOL2) | 0.93 | Apolipoprotein L2 (APOL2) | 657 | 338 | 0.07 | 0.04 | 0.96 | 0.89 |
| GRO-gamma | 0.93 | GRO-gamma | 627 | 322 | 0.09 | 0.01 | 0.92 | 0.85 |
| LIGHT | 0.92 | LIGHT | 776 | 397 | 0.02 | 0.05 | 1.14 | 1.05 |
| HER2 | 0.92 | HER2 | 683 | 350 | 0.02 | 0.03 | 1.00 | 0.93 |
| OPG | 0.92 | OPG | 757 | 386 | 0.06 | 0.05 | 1.11 | 1.02 |
| GM-CSF | 0.91 | GM-CSF | 647 | 328 | 0.05 | 0.01 | 0.95 | 0.87 |
| Resistin | 0.91 | Resistin | 16635 | 8370 | 0.11 | 0.09 | 24.43 | 22.14 |
| Follistatin | 0.90 | Follistatin | 829 | 415 | 0.06 | 0.09 | 1.22 | 1.10 |
| TARC | 0.90 | TARC | 595 | 298 | 0.03 | 0.02 | 0.87 | 0.79 |
| STAT5A/B | 0.90 | STAT5A/B | 783 | 391 | 0.02 | 0.07 | 1.15 | 1.03 |
| PDGF-BB | 0.90 | PDGF-BB | 666 | 332 | 0.03 | 0.02 | 0.98 | 0.88 |
| Neuroserpin | 0.89 | Neuroserpin | 820 | 407 | 0.03 | 0.03 | 1.20 | 1.08 |
| Endostatin | 0.89 | Endostatin | 967 | 479 | 0.04 | 0.06 | 1.42 | 1.27 |
| NCoR1 | 0.89 | NCoR1 | 778 | 383 | 0.04 | 0.03 | 1.14 | 1.01 |
| IL-17B | 0.88 | IL-17B | 765 | 375 | 0.12 | 0.02 | 1.12 | 0.99 |
| CXCL16 | 0.88 | CXCL16 | 782 | 383 | 0.03 | 0.03 | 1.15 | 1.01 |
| IGF-BP1 | 0.87 | IGF-BP1 | 1073 | 518 | 0.02 | 0.04 | 1.58 | 1.37 |
| MIA-2 | 0.87 | MIA-2 | 902 | 434 | 0.16 | 0.04 | 1.32 | 1.15 |
| sTRAIL Receptor-2 | 0.86 | sTRAIL Receptor-2 | 804 | 385 | 0.05 | 0.02 | 1.18 | 1.02 |
| APC | 0.86 | APC | 1047 | 500 | 0.10 | 0.10 | 1.54 | 1.32 |
| IL-9 | 0.86 | IL-9 | 687 | 328 | 0.02 | 0.03 | 1.01 | 0.87 |
| MMP-13 | 0.86 | MMP-13 | 712 | 339 | 0.06 | 0.03 | 1.05 | 0.90 |
| APRIL | 0.86 | APRIL | 703 | 334 | 0.01 | 0.03 | 1.03 | 0.88 |
| I-TAC | 0.85 | I-TAC | 629 | 298 | 0.02 | 0.02 | 0.92 | 0.79 |
| IL-17E | 0.85 | IL-17E | 745 | 353 | 0.06 | 0.02 | 1.09 | 0.93 |
| Fractalkine | 0.85 | Fractalkine | 651 | 307 | 0.03 | 0.02 | 0.96 | 0.81 |
| E-cadherin | 0.85 | E-cadherin | 1001 | 473 | 0.03 | 0.07 | 1.47 | 1.25 |
| IL-17F | 0.85 | IL-17F | 729 | 343 | 0.05 | 0.02 | 1.07 | 0.91 |
| Catenin-beta 1 | 0.85 | Catenin-beta 1 | 687 | 323 | 0.04 | 0.03 | 1.01 | 0.86 |
| FGF-4 | 0.85 | FGF-4 | 1047 | 492 | 0.07 | 0.04 | 1.54 | 1.30 |
| FAS | 0.84 | FAS | 1395 | 653 | 0.06 | 0.05 | 2.05 | 1.73 |
| PF-4 | 0.84 | PF-4 | 1366 | 637 | 0.09 | 0.08 | 2.01 | 1.69 |
| BCA-1 | 0.84 | BCA-1 | 663 | 309 | 0.08 | 0.03 | 0.97 | 0.82 |
| EMAP-II | 0.84 | EMAP-II | 894 | 417 | 0.11 | 0.02 | 1.31 | 1.10 |
| TRADD | 0.84 | TRADD | 901 | 420 | 0.06 | 0.04 | 1.32 | 1.11 |
| PAI-1 | 0.83 | PAI-1 | 1019 | 472 | 0.08 | 0.03 | 1.50 | 1.25 |
| I-309 | 0.83 | I-309 | 728 | 337 | 0.04 | 0.01 | 1.07 | 0.89 |
| CNTF | 0.83 | CNTF | 1052 | 486 | 0.06 | 0.07 | 1.54 | 1.29 |
| MIA | 0.83 | MIA | 1055 | 487 | 0.04 | 0.03 | 1.55 | 1.29 |
| NNT-1/BCSF-3 | 0.83 | NNT-1/BCSF-3 | 747 | 344 | 0.10 | 0.02 | 1.10 | 0.91 |
| NOV | 0.83 | NOV | 843 | 388 | 0.08 | 0.05 | 1.24 | 1.03 |
| TFF-2 | 0.83 | TFF-2 | 773 | 355 | 0.10 | 0.05 | 1.14 | 0.94 |
| 4-1BBL | 0.82 | 4-1BBL | 939 | 428 | 0.07 | 0.03 | 1.38 | 1.13 |
| AITRL | 0.82 | AITRL | 1020 | 463 | 0.07 | 0.03 | 1.50 | 1.22 |
| FER | 0.82 | FER | 793 | 360 | 0.06 | 0.03 | 1.16 | 0.95 |
| IL-31 | 0.82 | IL-31 | 965 | 437 | 0.08 | 0.08 | 1.42 | 1.16 |
| MIP-4 | 0.81 | MIP-4 | 686 | 309 | 0.04 | 0.04 | 1.01 | 0.82 |
| Nanog | 0.81 | Nanog | 1004 | 451 | 0.07 | 0.07 | 1.47 | 1.19 |
| TIMP4 | 0.80 | TIMP4 | 857 | 382 | 0.05 | 0.04 | 1.26 | 1.01 |

## Antibody Array Assay Results

## Assay Data

**Cytokine Profiling Antibody Array**

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| | | *Median Signal* | *681* | *378* | | | | |
| TGF-alpha | 0.80 | TGF-alpha | 1039 | 463 | 0.03 | 0.04 | 1.53 | 1.22 |
| Visfatin | 0.79 | Visfatin | 1456 | 640 | 0.07 | 0.06 | 2.14 | 1.69 |
| Betacellulin | 0.79 | Betacellulin | 907 | 398 | 0.10 | 0.03 | 1.33 | 1.05 |
| IL-17 (IL-17A) | 0.78 | IL-17 (IL-17A) | 801 | 348 | 0.13 | 0.02 | 1.18 | 0.92 |
| BLK | 0.77 | BLK | 1084 | 466 | 0.09 | 0.06 | 1.59 | 1.23 |
| IL-1alpha | 0.76 | IL-1alpha | 747 | 317 | 0.03 | 0.03 | 1.10 | 0.84 |
| Exodus-2 | 0.76 | Exodus-2 | 931 | 394 | 0.03 | 0.02 | 1.37 | 1.04 |
| Galectin-1 | 0.76 | Galectin-1 | 1304 | 551 | 0.04 | 0.05 | 1.91 | 1.46 |
| Cadherin-pan | 0.76 | Cadherin-pan | 1206 | 508 | 0.08 | 0.06 | 1.77 | 1.34 |
| TIMP-1 | 0.75 | TIMP-1 | 2690 | 1127 | 0.09 | 0.08 | 3.95 | 2.98 |
| GRO/MGSA | 0.75 | GRO/MGSA | 1114 | 466 | 0.08 | 0.02 | 1.64 | 1.23 |
| Midkine | 0.75 | Midkine | 959 | 401 | 0.10 | 0.02 | 1.41 | 1.06 |
| GRO-beta | 0.75 | GRO-beta | 811 | 338 | 0.03 | 0.01 | 1.19 | 0.89 |
| IL-21 | 0.75 | IL-21 | 919 | 382 | 0.09 | 0.05 | 1.35 | 1.01 |
| IL-5 | 0.74 | IL-5 | 897 | 370 | 0.03 | 0.08 | 1.32 | 0.98 |
| Ferritin | 0.73 | Ferritin | 13829 | 5575 | 0.05 | 0.16 | 20.31 | 14.75 |
| IL-3 | 0.72 | IL-3 | 836 | 334 | 0.16 | 0.04 | 1.23 | 0.88 |
| IL-22 | 0.72 | IL-22 | 1008 | 401 | 0.04 | 0.03 | 1.48 | 1.06 |
| Adipolean Variant | 0.71 | Adipolean Variant | 1093 | 429 | 0.02 | 0.03 | 1.60 | 1.13 |
| HDAC3 | 0.71 | HDAC3 | 1067 | 418 | 0.08 | 0.04 | 1.57 | 1.11 |
| IL-1RA | 0.70 | IL-1RA | 1380 | 535 | 0.05 | 0.05 | 2.03 | 1.42 |
| G-CSF | 0.70 | G-CSF | 952 | 369 | 0.11 | 0.03 | 1.40 | 0.98 |
| KGF | 0.68 | KGF | 843 | 320 | 0.03 | 0.04 | 1.24 | 0.85 |
| TNF-beta | 0.68 | TNF-beta | 1090 | 412 | 0.04 | 0.03 | 1.60 | 1.09 |
| IL-13 | 0.68 | IL-13 | 971 | 365 | 0.14 | 0.03 | 1.43 | 0.97 |
| sRANK Receptor | 0.68 | sRANK Receptor | 1132 | 425 | 0.07 | 0.03 | 1.66 | 1.12 |
| Flt3-Ligand | 0.67 | Flt3-Ligand | 791 | 293 | 0.05 | 0.07 | 1.16 | 0.77 |
| BD-1 | 0.66 | BD-1 | 1145 | 420 | 0.05 | 0.04 | 1.68 | 1.11 |
| IGF-II | 0.66 | IGF-II | 1393 | 511 | 0.05 | 0.04 | 2.05 | 1.35 |
| sTNF-receptor II | 0.66 | sTNF-receptor II | 1234 | 451 | 0.05 | 0.02 | 1.81 | 1.19 |
| ENA-78 | 0.65 | ENA-78 | 1100 | 395 | 0.03 | 0.02 | 1.62 | 1.05 |
| IFN-beta | 0.65 | IFN-beta | 1294 | 464 | 0.06 | 0.05 | 1.90 | 1.23 |
| EGFR | 0.61 | EGFR | 1308 | 441 | 0.04 | 0.04 | 1.92 | 1.17 |
| Heregulin-beta1 | 0.58 | Heregulin-beta1 | 1689 | 547 | 0.06 | 0.05 | 2.48 | 1.45 |
| PTHrP | 0.10 | PTHrP | 7919 | 421 | 0.11 | 0.06 | 11.63 | 1.11 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Min** | 1.18 | Average of Empty Spots | 383 | 274 | 0.03 | 0.02 |
| **Max** | 2.62 | Average of Negative Controls | 356 | 295 | 0.02 | 0.02 |
| **Mean** | 1.42 | Average of Positive Makers | 33394 | 27966 | 0.08 | 0.07 |

# Appendix D
# Explorer

## Antibody Array Assay Results

**Explorer Antibody Array**

| **Protein List** | **Fold Change between Samples**<br>**Smaller Sample/Bigger Sample** |
|---|---|
| Vacular Endothelial Growth Factor(VEGF) | 4.59 |
| Actin beta | 3.40 |
| Survivin | 2.78 |
| CD57 | 2.47 |
| CD2 | 2.33 |
| ADP-ribosylation Factor (ARF-6) | 2.28 |
| HPV 16-E7 | 2.23 |
| FSH | 2.20 |
| Golgi Complex | 2.20 |
| CD1 | 2.12 |
| Laminin-s | 2.11 |
| MHC I (HLA25 and HLA-Aw32) | 2.01 |
| Thymidylate Synthase | 2.00 |
| CEA / CD66e | 1.92 |
| IgG | 1.91 |
| Keratin, Multi | 1.85 |
| CD45/T200/LCA | 1.85 |
| Kappa Light Chain | 1.81 |
| Plasminogen | 1.80 |
| Glucagon | 1.80 |
| Calmodulin | 1.80 |
| B-cell Linker Protein (BLNK) | 1.79 |
| NGF-Receptor (p75NGFR) | 1.79 |
| HPV 16 | 1.66 |
| L1 Cell Adhesion Molecule | 1.65 |
| c-erbB-4/HER-4 | 1.65 |
| CD43 | 1.63 |
| Retinoid X Receptor (hRXR) | 1.62 |
| Parathyroid Hormone Receptor Type 1 | 1.62 |
| MHC II (HLA-DP and DR) | 1.60 |
| c-Abl | 1.60 |
| DR3 | 1.59 |
| Biotin | 1.58 |
| Oct-2/ | 1.58 |
| CD1b | 1.57 |
| CD53 | 1.57 |
| XRCC1 | 1.57 |
| Int-2 Oncoprotein | 1.56 |
| Lambda Light Chain | 1.54 |
| XPG | 1.53 |
| Streptavidin | 1.53 |
| CD29 | 1.52 |
| Alpha Lactalbumin | 1.51 |
| Retinoic Acid Receptor (b) | 1.51 |
| alpha-1-antitrypsin | 1.51 |
| CA19-9 | 1.50 |
| CD105 | 1.50 |
| IgM (m-Heavy Chain) | 1.50 |
| BrdU | 1.50 |
| Keratin 15 | 1.49 |
| Synuclein pan | 1.49 |

## Assay Data

| | *Median Signal* | *128* | *83* | | | | |
|---|---|---|---|---|---|---|---|
| **Protein List** | | **Average Signal of Replicate Spots** | | **Coefficient of Variation for Replicates** | | **Data Normalized to Median Signal** | |
| | | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** |
| Vacular Endothelial Growth Factor(VEGF) | | 222 | 663 | 0.07 | 0.02 | 1.74 | 7.98 |
| Actin beta | | 136 | 299 | 0.14 | 0.00 | 1.06 | 3.60 |
| Survivin | | 426 | 768 | 0.18 | 0.05 | 3.33 | 9.25 |
| CD57 | | 263 | 422 | 0.08 | 0.10 | 2.05 | 5.08 |
| CD2 | | 2757 | 4179 | 0.47 | 0.07 | 21.58 | 50.35 |
| ADP-ribosylation Factor (ARF-6) | | 1063 | 1575 | 0.24 | 0.20 | 8.32 | 18.97 |
| HPV 16-E7 | | 2467 | 3571 | 0.03 | 0.12 | 19.31 | 43.02 |
| FSH | | 382 | 547 | 0.19 | 0.21 | 2.99 | 6.58 |
| Golgi Complex | | 554 | 791 | 0.20 | 0.13 | 4.33 | 9.52 |
| CD1 | | 5802 | 8008 | 0.30 | 0.06 | 45.42 | 96.48 |
| Laminin-s | | 1225 | 1680 | 0.86 | 0.00 | 9.59 | 20.23 |
| MHC I (HLA25 and HLA-Aw32) | | 804 | 1050 | 0.24 | 0.03 | 6.29 | 12.64 |
| Thymidylate Synthase | | 162 | 211 | 0.10 | 0.11 | 1.27 | 2.54 |
| CEA / CD66e | | 695 | 868 | 0.53 | 0.05 | 5.44 | 10.45 |
| IgG | | 24504 | 30440 | 0.01 | 0.03 | 191.81 | 366.75 |
| Keratin, Multi | | 529 | 637 | 0.07 | 0.08 | 4.14 | 7.67 |
| CD45/T200/LCA | | 1020 | 1227 | 0.76 | 0.07 | 7.98 | 14.78 |
| Kappa Light Chain | | 1489 | 1752 | 0.16 | 0.06 | 11.65 | 21.11 |
| Plasminogen | | 234 | 274 | 0.02 | 0.05 | 1.83 | 3.30 |
| Glucagon | | 399 | 466 | 0.10 | 0.18 | 3.12 | 5.61 |
| Calmodulin | | 658 | 769 | 0.03 | 0.14 | 5.15 | 9.26 |
| B-cell Linker Protein (BLNK) | | 104 | 121 | 0.03 | 0.22 | 0.81 | 1.46 |
| NGF-Receptor (p75NGFR) | | 81 | 94 | 0.00 | 0.05 | 0.63 | 1.13 |
| HPV 16 | | 687 | 742 | 0.25 | 0.07 | 5.38 | 8.94 |
| L1 Cell Adhesion Molecule | | 140 | 151 | 0.43 | 0.30 | 1.10 | 1.81 |
| c-erbB-4/HER-4 | | 176 | 189 | 0.22 | 0.09 | 1.37 | 2.27 |
| CD43 | | 1682 | 1777 | 0.33 | 0.00 | 13.16 | 21.40 |
| Retinoid X Receptor (hRXR) | | 418 | 441 | 0.10 | 0.05 | 3.27 | 5.31 |
| Parathyroid Hormone Receptor Type 1 | | 186 | 196 | 0.14 | 0.16 | 1.46 | 2.36 |
| MHC II (HLA-DP and DR) | | 1362 | 1417 | 0.02 | 0.05 | 10.66 | 17.07 |
| c-Abl | | 684 | 711 | 0.04 | 0.13 | 5.35 | 8.56 |
| DR3 | | 303 | 312 | 0.19 | 0.16 | 2.37 | 3.76 |
| Biotin | | 63691 | 65535 | 0.04 | 0.00 | 498.56 | 789.58 |
| Oct-2/ | | 63 | 64 | 0.17 | 0.00 | 0.49 | 0.77 |
| CD1b | | 269 | 275 | 0.11 | 0.06 | 2.10 | 3.31 |
| CD53 | | 96 | 98 | 0.00 | 0.12 | 0.75 | 1.18 |
| XRCC1 | | 106 | 108 | 0.05 | 0.03 | 0.83 | 1.30 |
| Int-2 Oncoprotein | | 145 | 147 | 0.03 | 0.00 | 1.14 | 1.77 |
| Lambda Light Chain | | 65535 | 65535 | 0.00 | 0.00 | 512.99 | 789.58 |
| XPG | | 123 | 123 | 0.11 | 0.16 | 0.96 | 1.48 |
| Streptavidin | | 6876 | 6848 | 0.13 | 0.08 | 53.82 | 82.51 |
| CD29 | | 124 | 123 | 0.03 | 0.04 | 0.97 | 1.48 |
| Alpha Lactalbumin | | 259 | 254 | 0.02 | 0.17 | 2.02 | 3.06 |
| Retinoic Acid Receptor (b) | | 336 | 329 | 0.13 | 0.11 | 2.63 | 3.96 |
| alpha-1-antitrypsin | | 13221 | 12929 | 0.01 | 0.14 | 103.49 | 155.77 |
| CA19-9 | | 111 | 108 | 0.04 | 0.17 | 0.86 | 1.30 |
| CD105 | | 127 | 124 | 0.17 | 0.07 | 0.99 | 1.49 |
| IgM (m-Heavy Chain) | | 579 | 565 | 0.16 | 0.08 | 4.53 | 6.81 |
| BrdU | | 159 | 154 | 0.08 | 0.11 | 1.24 | 1.86 |
| Keratin 15 | | 1599 | 1545 | 0.18 | 0.01 | 12.52 | 18.61 |
| Synuclein pan | | 57 | 55 | 0.07 | 0.21 | 0.45 | 0.66 |

## Antibody Array Assay Results

## Assay Data

**Explorer Antibody Array**

*Median Signal* *128* *83*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| MGMT | 1.48 | MGMT | 61 | 59 | 0.19 | 0.30 | 0.48 | 0.70 |
| PDGFR, beta | 1.47 | PDGFR, beta | 967 | 923 | 0.29 | 0.09 | 7.57 | 11.11 |
| Microphthalmia | 1.47 | Microphthalmia | 98 | 93 | 0.34 | 0.03 | 0.76 | 1.12 |
| bcl-XL | 1.47 | bcl-XL | 4442 | 4236 | 0.16 | 0.04 | 34.77 | 51.03 |
| PLC gamma 1 | 1.47 | PLC gamma 1 | 2132 | 2033 | 0.22 | 0.14 | 16.69 | 24.49 |
| Bovine Serum Albumin | 1.47 | Bovine Serum Albumin | 118 | 112 | 0.02 | 0.06 | 0.92 | 1.35 |
| Gamma Glutamyl Transferase (gGT) | 1.46 | Gamma Glutamyl Transferase (gGT) | 80 | 76 | 0.13 | 0.25 | 0.62 | 0.91 |
| F.VIII/VWF | 1.46 | F.VIII/VWF | 70 | 66 | 0.03 | 0.04 | 0.54 | 0.80 |
| c-erbB-2/HER-2/neu Ab-1 (21N) | 1.46 | c-erbB-2/HER-2/neu Ab-1 (21N) | 176 | 167 | 0.05 | 0.04 | 1.38 | 2.01 |
| Androgen Receptor | 1.45 | Androgen Receptor | 72 | 68 | 0.02 | 0.04 | 0.56 | 0.82 |
| p170 | 1.45 | p170 | 54 | 51 | 0.01 | 0.01 | 0.42 | 0.61 |
| Integrin beta5 | 1.45 | Integrin beta5 | 231 | 218 | 0.08 | 0.13 | 1.81 | 2.62 |
| Laminin B1/b1 | 1.45 | Laminin B1/b1 | 13478 | 12663 | 0.21 | 0.02 | 105.50 | 152.56 |
| Adenovirus | 1.45 | Adenovirus | 476 | 447 | 0.08 | 0.12 | 3.72 | 5.38 |
| CA125 | 1.44 | CA125 | 73 | 68 | 0.07 | 0.12 | 0.57 | 0.82 |
| E2F-4 | 1.44 | E2F-4 | 125 | 117 | 0.17 | 0.19 | 0.98 | 1.41 |
| Dysferlin | 1.44 | Dysferlin | 75 | 70 | 0.09 | 0.21 | 0.58 | 0.84 |
| Superoxide Dismutase | 1.44 | Superoxide Dismutase | 67 | 63 | 0.00 | 0.01 | 0.52 | 0.75 |
| Thymine Glycols | 1.43 | Thymine Glycols | 57 | 53 | 0.19 | 0.01 | 0.44 | 0.63 |
| Cryptococcus neoformans | 1.43 | Cryptococcus neoformans | 49 | 46 | 0.03 | 0.05 | 0.38 | 0.55 |
| Cdk7 | 1.43 | Cdk7 | 324 | 301 | 0.04 | 0.01 | 2.54 | 3.62 |
| Moesin | 1.43 | Moesin | 444 | 411 | 0.46 | 0.44 | 3.47 | 4.95 |
| p300 / CBP | 1.42 | p300 / CBP | 73 | 68 | 0.08 | 0.05 | 0.57 | 0.81 |
| E3-binding protein (ARM1) | 1.41 | E3-binding protein (ARM1) | 66 | 61 | 0.06 | 0.13 | 0.52 | 0.73 |
| Bonzo / STRL33 / TYMSTR | 1.41 | Bonzo / STRL33 / TYMSTR | 2024 | 1849 | 0.26 | 0.21 | 15.84 | 22.28 |
| Interferon-a(II) | 1.41 | Interferon-a(II) | 64 | 58 | 0.06 | 0.02 | 0.50 | 0.70 |
| CD56/NCAM-1 | 1.41 | CD56/NCAM-1 | 1625 | 1483 | 0.06 | 0.05 | 12.72 | 17.87 |
| 14.3.3, Pan | 1.40 | 14.3.3, Pan | 107 | 98 | 0.01 | 0.05 | 0.84 | 1.17 |
| Epithelial Specific Antigen | 1.40 | Epithelial Specific Antigen | 680 | 617 | 0.11 | 0.04 | 5.32 | 7.43 |
| Prohibitin | 1.39 | Prohibitin | 5922 | 5350 | 0.07 | 0.20 | 46.36 | 64.46 |
| CD59 / MACIF / MIRL / Protectin | 1.39 | CD59 / MACIF / MIRL / Protectin | 61 | 55 | 0.00 | 0.00 | 0.48 | 0.66 |
| LRP / MVP | 1.39 | LRP / MVP | 61 | 55 | 0.06 | 0.04 | 0.47 | 0.66 |
| Interferon-g | 1.39 | Interferon-g | 85 | 77 | 0.05 | 0.18 | 0.67 | 0.92 |
| p35nck5a | 1.38 | p35nck5a | 144 | 130 | 0.09 | 0.09 | 1.13 | 1.56 |
| IPO-38 Proliferation Marker | 1.38 | IPO-38 Proliferation Marker | 151 | 135 | 0.00 | 0.02 | 1.18 | 1.63 |
| Notch | 1.38 | Notch | 498 | 446 | 0.02 | 0.04 | 3.89 | 5.37 |
| Axonal Growth Cones | 1.38 | Axonal Growth Cones | 429 | 385 | 0.01 | 0.02 | 3.36 | 4.63 |
| MHC I (HLA-B) | 1.38 | MHC I (HLA-B) | 212 | 190 | 0.12 | 0.05 | 1.66 | 2.28 |
| Perforin | 1.38 | Perforin | 120 | 108 | 0.05 | 0.01 | 0.94 | 1.30 |
| Cystic Fibrosis Transmembrane Regulator | 1.38 | Cystic Fibrosis Transmembrane Regulator | 173 | 155 | 0.09 | 0.12 | 1.35 | 1.86 |
| IL-1 beta | 1.38 | IL-1 beta | 58 | 52 | 0.04 | 0.01 | 0.45 | 0.62 |
| CD3zeta | 1.38 | CD3zeta | 206 | 185 | 0.03 | 0.16 | 1.61 | 2.22 |
| Glycophorin A | 1.38 | Glycophorin A | 53 | 47 | 0.01 | 0.03 | 0.41 | 0.57 |
| Thrombospondin | 1.38 | Thrombospondin | 100 | 90 | 0.11 | 0.17 | 0.78 | 1.08 |
| Ruv C | 1.38 | Ruv C | 199 | 178 | 0.07 | 0.03 | 1.55 | 2.14 |
| IL-3 | 1.38 | IL-3 | 47 | 42 | 0.00 | 0.03 | 0.37 | 0.51 |
| XPF | 1.37 | XPF | 186 | 165 | 0.23 | 0.24 | 1.45 | 1.99 |
| FGF-1 | 1.37 | FGF-1 | 50 | 44 | 0.07 | 0.03 | 0.39 | 0.53 |
| Progesterone Receptor (phospho-specific | 1.37 | Progesterone Receptor (phospho-specific) - Serine 19 | 1052 | 934 | 0.22 | 0.23 | 8.23 | 11.25 |
| Fascin | 1.37 | Fascin | 67 | 59 | 0.03 | 0.02 | 0.52 | 0.71 |
| Cytochrome c | 1.37 | Cytochrome c | 84 | 75 | 0.08 | 0.01 | 0.66 | 0.90 |
| mGluR1 | 1.36 | mGluR1 | 53 | 47 | 0.04 | 0.02 | 0.41 | 0.56 |

## Antibody Array Assay Results

## Assay Data

**Explorer Antibody Array**

*Median Signal* 128 83

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| Cullin-3 (CUL-3) | 1.36 | Cullin-3 (CUL-3) | 2588 | 2289 | 0.10 | 0.12 | 20.25 | 27.58 |
| TNF alpha | 1.36 | TNF alpha | 43 | 38 | 0.03 | 0.00 | 0.34 | 0.46 |
| CD155/PVR (Polio Virus Receptor) | 1.36 | CD155/PVR (Polio Virus Receptor) | 90 | 80 | 0.24 | 0.13 | 0.70 | 0.96 |
| CDw17 | 1.36 | CDw17 | 56 | 49 | 0.01 | 0.00 | 0.43 | 0.59 |
| Heat Shock Protein 90a/hsp86 | 1.36 | Heat Shock Protein 90a/hsp86 | 629 | 554 | 0.49 | 0.20 | 4.92 | 6.67 |
| IL-10 | 1.35 | IL-10 | 54 | 48 | 0.10 | 0.01 | 0.42 | 0.57 |
| Thyroid Hormone Receptor, Human | 1.35 | Thyroid Hormone Receptor, Human | 1032 | 906 | 0.06 | 0.03 | 8.07 | 10.92 |
| Fyn | 1.35 | Fyn | 94 | 83 | 0.11 | 0.04 | 0.74 | 0.99 |
| Milk Fat Globule Membrane Protein | 1.35 | Milk Fat Globule Membrane Protein | 1413 | 1240 | 0.02 | 0.03 | 11.06 | 14.94 |
| PGP9.5 | 1.35 | PGP9.5 | 61 | 54 | 0.02 | 0.07 | 0.48 | 0.64 |
| TIMP-1 | 1.35 | TIMP-1 | 69 | 61 | 0.08 | 0.06 | 0.54 | 0.73 |
| Human Sodium Iodide Symporter (hNIS) | 1.35 | Human Sodium Iodide Symporter (hNIS) | 170 | 149 | 0.12 | 0.06 | 1.33 | 1.79 |
| IL-10R | 1.35 | IL-10R | 52 | 46 | 0.03 | 0.02 | 0.41 | 0.55 |
| tau | 1.34 | tau | 103 | 90 | 0.01 | 0.17 | 0.81 | 1.08 |
| Hepatocyte Growth Factor | 1.34 | Hepatocyte Growth Factor | 95 | 83 | 0.07 | 0.09 | 0.74 | 1.00 |
| Ret Oncoprotein | 1.34 | Ret Oncoprotein | 75 | 66 | 0.00 | 0.05 | 0.59 | 0.79 |
| Collagen IV | 1.34 | Collagen IV | 95 | 83 | 0.11 | 0.01 | 0.74 | 0.99 |
| Casein | 1.34 | Casein | 213 | 186 | 0.01 | 0.01 | 1.66 | 2.23 |
| SIM Ag (SIMA-4D3) | 1.34 | SIM Ag (SIMA-4D3) | 59 | 52 | 0.00 | 0.01 | 0.46 | 0.62 |
| IL-6 | 1.34 | IL-6 | 67 | 58 | 0.03 | 0.10 | 0.52 | 0.70 |
| Keratin 14 | 1.34 | Keratin 14 | 51 | 44 | 0.01 | 0.00 | 0.40 | 0.53 |
| TR2 | 1.34 | TR2 | 897 | 781 | 0.18 | 0.01 | 7.02 | 9.41 |
| IL-30 | 1.34 | IL-30 | 43 | 37 | 0.02 | 0.00 | 0.33 | 0.45 |
| Neurofilament | 1.34 | Neurofilament | 54 | 47 | 0.03 | 0.00 | 0.42 | 0.57 |
| Gamma Glutamylcysteine Synthetase(GC | 1.34 | Gamma Glutamylcysteine Synthetase(GCS)/Glutamat | 1494 | 1300 | 0.17 | 0.19 | 11.69 | 15.66 |
| Insulin Receptor Substrate-1 | 1.34 | Insulin Receptor Substrate-1 | 61 | 53 | 0.00 | 0.05 | 0.48 | 0.64 |
| Cdk1/p34cdc2 | 1.34 | Cdk1/p34cdc2 | 570 | 495 | 0.04 | 0.11 | 4.46 | 5.96 |
| Amyloid A | 1.34 | Amyloid A | 65 | 56 | 0.01 | 0.00 | 0.50 | 0.67 |
| Adrenocorticotrophic Hormone | 1.34 | Adrenocorticotrophic Hormone | 72 | 63 | 0.00 | 0.06 | 0.56 | 0.75 |
| SHP-1 | 1.34 | SHP-1 | 212 | 184 | 0.08 | 0.05 | 1.66 | 2.22 |
| Thomsen-Friedenreich Antigen | 1.34 | Thomsen-Friedenreich Antigen | 61 | 53 | 0.01 | 0.01 | 0.47 | 0.63 |
| CD94 | 1.34 | CD94 | 117 | 102 | 0.06 | 0.03 | 0.92 | 1.22 |
| TGF-beta 2 | 1.34 | TGF-beta 2 | 83 | 72 | 0.02 | 0.14 | 0.65 | 0.87 |
| TIMP-2 | 1.33 | TIMP-2 | 49 | 43 | 0.00 | 0.05 | 0.38 | 0.51 |
| Caspase 9 | 1.33 | Caspase 9 | 53 | 46 | 0.01 | 0.02 | 0.41 | 0.55 |
| Mcl-1 | 1.33 | Mcl-1 | 71 | 62 | 0.06 | 0.01 | 0.56 | 0.74 |
| Negative Control for Mouse IgG2a | 1.33 | Negative Control for Mouse IgG2a | 90 | 78 | 0.12 | 0.14 | 0.70 | 0.93 |
| SRF (Serum Response Factor) | 1.33 | SRF (Serum Response Factor) | 104 | 90 | 0.08 | 0.09 | 0.81 | 1.08 |
| Surfactant Protein A | 1.33 | Surfactant Protein A | 45 | 39 | 0.02 | 0.02 | 0.35 | 0.46 |
| CD68 | 1.33 | CD68 | 63 | 55 | 0.02 | 0.06 | 0.49 | 0.66 |
| CDw78 | 1.33 | CDw78 | 67 | 58 | 0.20 | 0.01 | 0.52 | 0.69 |
| Prolactin | 1.33 | Prolactin | 77 | 67 | 0.04 | 0.01 | 0.60 | 0.80 |
| Retinol Binding Protein | 1.33 | Retinol Binding Protein | 909 | 785 | 0.35 | 0.13 | 7.12 | 9.45 |
| Ku (p80) | 1.33 | Ku (p80) | 77 | 66 | 0.03 | 0.02 | 0.60 | 0.80 |
| G-CSF | 1.33 | G-CSF | 44 | 38 | 0.02 | 0.02 | 0.34 | 0.45 |
| Tyrosinase | 1.33 | Tyrosinase | 76 | 66 | 0.00 | 0.08 | 0.59 | 0.79 |
| Pneumocystis jiroveci | 1.33 | Pneumocystis jiroveci | 51 | 44 | 0.01 | 0.05 | 0.40 | 0.52 |
| ER Ca+2 ATPase2 | 1.32 | ER Ca+2 ATPase2 | 68 | 59 | 0.02 | 0.01 | 0.53 | 0.70 |
| GCDFP-15 | 1.32 | GCDFP-15 | 47 | 40 | 0.05 | 0.00 | 0.36 | 0.48 |
| Bcl-6 | 1.32 | Bcl-6 | 72 | 62 | 0.01 | 0.06 | 0.56 | 0.74 |
| Synaptophysin | 1.32 | Synaptophysin | 118 | 101 | 0.04 | 0.01 | 0.92 | 1.22 |
| CD42b | 1.32 | CD42b | 442 | 380 | 0.12 | 0.22 | 3.46 | 4.57 |
| Activin Receptor Type II | 1.32 | Activin Receptor Type II | 71 | 61 | 0.08 | 0.07 | 0.56 | 0.73 |
| CD54/ICAM-1 | 1.32 | CD54/ICAM-1 | 71 | 61 | 0.02 | 0.02 | 0.56 | 0.73 |
| mGluR5 | 1.32 | mGluR5 | 212 | 182 | 0.01 | 0.07 | 1.66 | 2.19 |
| TdT | 1.32 | TdT | 67 | 58 | 0.00 | 0.06 | 0.52 | 0.69 |
| Hepatocyte | 1.32 | Hepatocyte | 46 | 39 | 0.02 | 0.00 | 0.36 | 0.47 |

## Antibody Array Assay Results

**Explorer Antibody Array**

| Protein List | Fold Change between Samples |
|---|---|
| | Smaller Sample/Bigger Sample |
| Mucin 2 | 1.32 |
| DNA Ligase I | 1.32 |
| GSK-3 | 1.32 |
| TNFa | 1.32 |
| Ku (p70/p80) | 1.32 |
| Tubulin-b | 1.32 |
| CNPase | 1.32 |
| CD32/Fcg Receptor II | 1.32 |
| CD84 | 1.31 |
| RPA/p32 | 1.31 |
| TRAP | 1.31 |
| CD21 | 1.31 |
| SRC1 (Steroid Receptor Coactivator-1) | 1.31 |
| Lck | 1.31 |
| DNA-PKcs | 1.31 |
| Glycogen Synthase Kinase 3b (GSK3b) | 1.31 |
| CD15 | 1.31 |
| CD9 | 1.31 |
| Glicentin | 1.30 |
| Apolipoprotein D | 1.30 |
| CD5 | 1.30 |
| Bromodeoxyuridine (BrdU) | 1.30 |
| Prostate Specific Antigen | 1.30 |
| IFN gamma | 1.30 |
| MMP-15 / MT2-MMP | 1.30 |
| PCTAIRE2 | 1.30 |
| Estriol | 1.30 |
| p21WAF1 | 1.30 |
| mRANKL | 1.30 |
| Dystrophin | 1.29 |
| DNA Polymerase Beta | 1.29 |
| Cyclin D3 | 1.29 |
| Keratin 16 | 1.29 |
| CITED1 | 1.29 |
| Neurofilament (200kDa) | 1.29 |
| Xanthine Oxidase | 1.29 |
| FGF-2 | 1.29 |
| Laminin B2/g1 | 1.29 |
| Amyloid Beta (APP) | 1.29 |
| Collagen II | 1.29 |
| Mucin 5AC | 1.29 |
| uPA | 1.28 |
| TID-1 | 1.28 |
| ER beta | 1.28 |
| Ruv A | 1.28 |
| p130 | 1.28 |
| CCK-8 | 1.28 |
| CD50/ICAM-3 | 1.28 |
| Granulocyte | 1.28 |
| CD26/DPP IV | 1.28 |
| Ubiquitin | 1.28 |
| CD10 | 1.28 |
| Prostate Specific Acid Phosphatase | 1.28 |
| NuMA | 1.28 |
| Progesterone Receptor | 1.28 |
| IL-4 | 1.27 |
| Acinus | 1.27 |

## Assay Data

*Median Signal* *128* *83*

| Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|
| | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| Mucin 2 | 81 | 69 | 0.04 | 0.06 | 0.63 | 0.83 |
| DNA Ligase I | 70 | 60 | 0.10 | 0.05 | 0.55 | 0.72 |
| GSK-3 | 56 | 48 | 0.05 | 0.00 | 0.44 | 0.58 |
| TNFa | 49 | 42 | 0.07 | 0.02 | 0.38 | 0.50 |
| Ku (p70/p80) | 159 | 136 | 0.00 | 0.03 | 1.24 | 1.64 |
| Tubulin-b | 76 | 65 | 0.00 | 0.00 | 0.59 | 0.78 |
| CNPase | 23097 | 19750 | 0.03 | 0.07 | 180.80 | 237.95 |
| CD32/Fcg Receptor II | 107 | 91 | 0.11 | 0.03 | 0.83 | 1.10 |
| CD84 | 406 | 346 | 0.01 | 0.20 | 3.17 | 4.17 |
| RPA/p32 | 109 | 93 | 0.08 | 0.01 | 0.85 | 1.11 |
| TRAP | 44 | 38 | 0.00 | 0.02 | 0.34 | 0.45 |
| CD21 | 64 | 55 | 0.04 | 0.01 | 0.50 | 0.66 |
| SRC1 (Steroid Receptor Coactivator-1) | 98 | 83 | 0.01 | 0.05 | 0.76 | 1.00 |
| Lck | 110 | 94 | 0.08 | 0.17 | 0.86 | 1.13 |
| DNA-PKcs | 107 | 91 | 0.03 | 0.04 | 0.83 | 1.09 |
| Glycogen Synthase Kinase 3b (GSK3b) | 1219 | 1034 | 0.00 | 0.16 | 9.54 | 12.46 |
| CD15 | 79 | 67 | 0.04 | 0.04 | 0.62 | 0.81 |
| CD9 | 63 | 53 | 0.06 | 0.08 | 0.49 | 0.64 |
| Glicentin | 69 | 59 | 0.14 | 0.01 | 0.54 | 0.70 |
| Apolipoprotein D | 85 | 72 | 0.02 | 0.04 | 0.67 | 0.87 |
| CD5 | 52 | 44 | 0.03 | 0.06 | 0.41 | 0.53 |
| Bromodeoxyuridine (BrdU) | 140 | 118 | 0.04 | 0.06 | 1.09 | 1.42 |
| Prostate Specific Antigen | 162 | 137 | 0.15 | 0.07 | 1.27 | 1.65 |
| IFN gamma | 55 | 47 | 0.08 | 0.05 | 0.43 | 0.56 |
| MMP-15 / MT2-MMP | 49 | 41 | 0.07 | 0.07 | 0.38 | 0.49 |
| PCTAIRE2 | 120 | 101 | 0.03 | 0.08 | 0.94 | 1.22 |
| Estriol | 20155 | 17032 | 0.05 | 0.05 | 157.77 | 205.20 |
| p21WAF1 | 109 | 92 | 0.01 | 0.02 | 0.85 | 1.11 |
| mRANKL | 61 | 51 | 0.04 | 0.03 | 0.47 | 0.61 |
| Dystrophin | 88 | 74 | 0.02 | 0.08 | 0.69 | 0.89 |
| DNA Polymerase Beta | 72 | 61 | 0.06 | 0.06 | 0.56 | 0.73 |
| Cyclin D3 | 91 | 76 | 0.04 | 0.11 | 0.71 | 0.92 |
| Keratin 16 | 59 | 49 | 0.06 | 0.00 | 0.46 | 0.59 |
| CITED1 | 231 | 193 | 0.09 | 0.11 | 1.80 | 2.33 |
| Neurofilament (200kDa) | 68 | 57 | 0.05 | 0.01 | 0.53 | 0.68 |
| Xanthine Oxidase | 68 | 57 | 0.03 | 0.01 | 0.53 | 0.68 |
| FGF-2 | 52 | 44 | 0.05 | 0.02 | 0.41 | 0.52 |
| Laminin B2/g1 | 52 | 44 | 0.08 | 0.05 | 0.41 | 0.52 |
| Amyloid Beta (APP) | 5012 | 4191 | 0.12 | 0.17 | 39.23 | 50.49 |
| Collagen II | 156 | 130 | 0.11 | 0.08 | 1.22 | 1.57 |
| Mucin 5AC | 91 | 76 | 0.05 | 0.04 | 0.71 | 0.92 |
| uPA | 58 | 48 | 0.06 | 0.03 | 0.45 | 0.58 |
| TID-1 | 61 | 51 | 0.04 | 0.01 | 0.47 | 0.61 |
| ER beta | 70 | 58 | 0.05 | 0.05 | 0.54 | 0.70 |
| Ruv A | 103 | 86 | 0.01 | 0.04 | 0.80 | 1.03 |
| p130 | 105 | 88 | 0.01 | 0.06 | 0.82 | 1.05 |
| CCK-8 | 72 | 60 | 0.00 | 0.07 | 0.56 | 0.72 |
| CD50/ICAM-3 | 436 | 363 | 0.04 | 0.05 | 3.41 | 4.37 |
| Granulocyte | 14862 | 12370 | 0.02 | 0.01 | 116.34 | 149.04 |
| CD26/DPP IV | 525 | 437 | 0.14 | 0.01 | 4.11 | 5.26 |
| Ubiquitin | 48 | 40 | 0.04 | 0.02 | 0.37 | 0.48 |
| CD10 | 460 | 383 | 0.01 | 0.09 | 3.60 | 4.61 |
| Prostate Specific Acid Phosphatase | 210 | 175 | 0.43 | 0.13 | 1.64 | 2.10 |
| NuMA | 92 | 76 | 0.04 | 0.02 | 0.72 | 0.92 |
| Progesterone Receptor | 120 | 100 | 0.13 | 0.11 | 0.94 | 1.20 |
| IL-4 | 58 | 48 | 0.02 | 0.00 | 0.45 | 0.58 |
| Acinus | 1121 | 928 | 0.35 | 0.30 | 8.77 | 11.17 |

## Antibody Array Assay Results

**Explorer Antibody Array**

| Protein List | Fold Change between Samples |
|---|---|
| | Smaller Sample/Bigger Sample |
| Fibrillin-1 | 1.27 |
| Heparan Sulfate Proteoglycan | 1.27 |
| Factor VIII Related Antigen | 1.27 |
| MAGE-1 | 1.27 |
| CD79b | 1.27 |
| IRAK | 1.27 |
| IL-5 | 1.27 |
| Fibronectin | 1.27 |
| Inhibin alpha | 1.27 |
| Thyroglobulin | 1.27 |
| Transglutaminase II | 1.27 |
| CD100/Leukocyte Semaphorin | 1.26 |
| Synuclein | 1.26 |
| CLAUDIN 7 | 1.26 |
| Keratin 10 | 1.26 |
| Medroxyprogesterone Acetate (MPA) | 1.26 |
| EMA/CA15-3/MUC-1 | 1.26 |
| IL17 | 1.26 |
| Phospho-Ser/Thr/Tyr | 1.26 |
| CD98 | 1.26 |
| Ruv B | 1.26 |
| Negative Control for Mouse IgG1 | 1.26 |
| Heat Shock Factor 2 | 1.26 |
| Keratin 18 | 1.26 |
| MDM2 | 1.25 |
| LewisB | 1.25 |
| ZAP-70 | 1.25 |
| Hepatocyte Factor Homologue-4 | 1.25 |
| MHC I (HLA-A) | 1.25 |
| Tubulin-a | 1.25 |
| Maltose Binding Protein | 1.25 |
| Caspase 3 | 1.25 |
| Stat5 | 1.25 |
| bcl-2a | 1.25 |
| Negative Control for Mouse IgM | 1.25 |
| Retinoblastoma | 1.25 |
| Toxoplasma Gondii | 1.25 |
| Urocortin | 1.24 |
| Actin, Muscle Specific | 1.24 |
| Nitric Oxide Synthase, brain (bNOS) | 1.24 |
| DR5 | 1.24 |
| CD46 | 1.24 |
| IL-1 alpha | 1.24 |
| Synuclein beta | 1.24 |
| Insulin Receptor | 1.24 |
| CDw75 | 1.24 |
| CD24 | 1.24 |
| Rad18 | 1.24 |
| TRP75 / gp75 | 1.23 |
| Cadherin-E | 1.23 |
| TTF-1 | 1.23 |
| FITC | 1.23 |
| CDC25C | 1.23 |
| GluR4 | 1.23 |
| p130cas | 1.23 |
| Cyclin B1 | 1.23 |
| Thyroid Stimulating Hormone (TSH) | 1.23 |

## Assay Data

| | *Median Signal* | *128* | *83* | | | | |
|---|---|---|---|---|---|---|---|
| Protein List | | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
| | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| Fibrillin-1 | | 93 | 77 | 0.01 | 0.08 | 0.72 | 0.92 |
| Heparan Sulfate Proteoglycan | | 64 | 53 | 0.14 | 0.04 | 0.50 | 0.63 |
| Factor VIII Related Antigen | | 186 | 153 | 0.10 | 0.01 | 1.45 | 1.84 |
| MAGE-1 | | 117 | 97 | 0.19 | 0.11 | 0.92 | 1.16 |
| CD79b | | 74 | 61 | 0.04 | 0.05 | 0.58 | 0.73 |
| IRAK | | 2954 | 2435 | 0.10 | 0.02 | 23.12 | 29.33 |
| IL-5 | | 60 | 49 | 0.04 | 0.03 | 0.47 | 0.59 |
| Fibronectin | | 170 | 140 | 0.02 | 0.04 | 1.33 | 1.68 |
| Inhibin alpha | | 48 | 40 | 0.00 | 0.02 | 0.38 | 0.48 |
| Thyroglobulin | | 68 | 56 | 0.05 | 0.01 | 0.53 | 0.67 |
| Transglutaminase II | | 186 | 153 | 0.10 | 0.09 | 1.45 | 1.84 |
| CD100/Leukocyte Semaphorin | | 70 | 58 | 0.04 | 0.01 | 0.55 | 0.69 |
| Synuclein | | 146 | 120 | 0.03 | 0.05 | 1.14 | 1.44 |
| CLAUDIN 7 | | 53 | 44 | 0.03 | 0.02 | 0.41 | 0.52 |
| Keratin 10 | | 198 | 163 | 0.03 | 0.04 | 1.55 | 1.96 |
| Medroxyprogesterone Acetate (MPA) | | 136 | 112 | 0.07 | 0.07 | 1.06 | 1.34 |
| EMA/CA15-3/MUC-1 | | 78 | 64 | 0.03 | 0.08 | 0.61 | 0.77 |
| IL17 | | 64 | 52 | 0.03 | 0.00 | 0.50 | 0.63 |
| Phospho-Ser/Thr/Tyr | | 77 | 63 | 0.04 | 0.09 | 0.60 | 0.76 |
| CD98 | | 58 | 47 | 0.04 | 0.03 | 0.45 | 0.57 |
| Ruv B | | 112 | 92 | 0.08 | 0.01 | 0.88 | 1.10 |
| Negative Control for Mouse IgG1 | | 169 | 138 | 0.02 | 0.02 | 1.32 | 1.66 |
| Heat Shock Factor 2 | | 63 | 51 | 0.06 | 0.03 | 0.49 | 0.61 |
| Keratin 18 | | 65 | 53 | 0.04 | 0.03 | 0.51 | 0.64 |
| MDM2 | | 79 | 64 | 0.03 | 0.07 | 0.61 | 0.77 |
| LewisB | | 203 | 165 | 0.14 | 0.15 | 1.59 | 1.99 |
| ZAP-70 | | 92 | 75 | 0.04 | 0.05 | 0.72 | 0.90 |
| Hepatocyte Factor Homologue-4 | | 75 | 61 | 0.08 | 0.07 | 0.59 | 0.73 |
| MHC I (HLA-A) | | 83 | 68 | 0.09 | 0.07 | 0.65 | 0.81 |
| Tubulin-a | | 193 | 157 | 0.08 | 0.02 | 1.51 | 1.89 |
| Maltose Binding Protein | | 70 | 57 | 0.05 | 0.04 | 0.54 | 0.68 |
| Caspase 3 | | 67 | 54 | 0.03 | 0.03 | 0.52 | 0.65 |
| Stat5 | | 59 | 48 | 0.04 | 0.01 | 0.46 | 0.57 |
| bcl-2a | | 177 | 144 | 0.05 | 0.03 | 1.39 | 1.73 |
| Negative Control for Mouse IgM | | 66 | 53 | 0.08 | 0.03 | 0.51 | 0.64 |
| Retinoblastoma | | 66 | 53 | 0.05 | 0.03 | 0.51 | 0.64 |
| Toxoplasma Gondii | | 66 | 53 | 0.05 | 0.13 | 0.51 | 0.64 |
| Urocortin | | 71 | 57 | 0.09 | 0.12 | 0.55 | 0.69 |
| Actin, Muscle Specific | | 65 | 53 | 0.04 | 0.04 | 0.51 | 0.63 |
| Nitric Oxide Synthase, brain (bNOS) | | 3136 | 2531 | 0.19 | 0.16 | 24.54 | 30.49 |
| DR5 | | 57 | 46 | 0.00 | 0.03 | 0.45 | 0.55 |
| CD46 | | 215 | 174 | 0.00 | 0.10 | 1.68 | 2.09 |
| IL-1 alpha | | 47 | 38 | 0.05 | 0.06 | 0.36 | 0.45 |
| Synuclein beta | | 65 | 52 | 0.03 | 0.03 | 0.50 | 0.63 |
| Insulin Receptor | | 69 | 56 | 0.00 | 0.06 | 0.54 | 0.67 |
| CDw75 | | 97 | 78 | 0.01 | 0.07 | 0.76 | 0.94 |
| CD24 | | 230 | 185 | 0.22 | 0.09 | 1.80 | 2.22 |
| Rad18 | | 3367 | 2706 | 0.13 | 0.13 | 26.35 | 32.60 |
| TRP75 / gp75 | | 61 | 49 | 0.04 | 0.07 | 0.47 | 0.58 |
| Cadherin-E | | 73 | 59 | 0.06 | 0.04 | 0.57 | 0.70 |
| TTF-1 | | 81 | 65 | 0.10 | 0.05 | 0.63 | 0.78 |
| FITC | | 153 | 123 | 0.02 | 0.16 | 1.20 | 1.48 |
| CDC25C | | 60 | 48 | 0.05 | 0.06 | 0.47 | 0.58 |
| GluR4 | | 60 | 48 | 0.02 | 0.03 | 0.47 | 0.58 |
| p130cas | | 75 | 60 | 0.04 | 0.09 | 0.59 | 0.72 |
| Cyclin B1 | | 1284 | 1026 | 0.19 | 0.02 | 10.05 | 12.36 |
| Thyroid Stimulating Hormone (TSH) | | 202 | 161 | 0.17 | 0.14 | 1.58 | 1.94 |

## Antibody Array Assay Results

## Assay Data

**Explorer Antibody Array**

*Median Signal* *128* *83*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| Leukotriene (C4, D4, E4) | 1.23 | Leukotriene (C4, D4, E4) | 70 | 56 | 0.03 | 0.01 | 0.54 | 0.67 |
| Claudin 3 | 1.23 | Claudin 3 | 72 | 57 | 0.05 | 0.05 | 0.56 | 0.69 |
| Rhodopsin (Opsin) | 1.23 | Rhodopsin (Opsin) | 488 | 389 | 0.08 | 0.34 | 3.82 | 4.68 |
| Adenovirus Fiber | 1.23 | Adenovirus Fiber | 3326 | 2648 | 0.24 | 0.06 | 26.04 | 31.90 |
| CD106 / VCAM | 1.22 | CD106 / VCAM | 71 | 57 | 0.02 | 0.09 | 0.56 | 0.68 |
| XPA | 1.22 | XPA | 179 | 142 | 0.05 | 0.00 | 1.40 | 1.71 |
| MMP-10 (Stromilysin-2) | 1.22 | MMP-10 (Stromilysin-2) | 456 | 362 | 0.10 | 0.16 | 3.57 | 4.36 |
| TrxR2 | 1.22 | TrxR2 | 63 | 50 | 0.00 | 0.03 | 0.49 | 0.60 |
| Adenovirus Type 5 E1A | 1.22 | Adenovirus Type 5 E1A | 179 | 142 | 0.22 | 0.08 | 1.40 | 1.71 |
| MMP-9 (92kDa Collagenase IV) | 1.22 | MMP-9 (92kDa Collagenase IV) | 97 | 77 | 0.17 | 0.01 | 0.76 | 0.92 |
| Ezrin/p81/80K/Cytovillin | 1.22 | Ezrin/p81/80K/Cytovillin | 68 | 54 | 0.03 | 0.01 | 0.53 | 0.64 |
| GnRH Receptor | 1.22 | GnRH Receptor | 169 | 134 | 0.02 | 0.10 | 1.32 | 1.61 |
| Plasma Cell Marker | 1.22 | Plasma Cell Marker | *1947* | *1543* | *0.19* | *0.02* | 15.24 | 18.58 |
| Cdk5 | 1.22 | Cdk5 | 63 | 50 | 0.03 | 0.04 | 0.49 | 0.60 |
| Alpha Fetoprotein (AFP) | 1.22 | Alpha Fetoprotein (AFP) | 108 | 86 | 0.08 | 0.12 | 0.85 | 1.03 |
| CD165 | 1.22 | CD165 | 98 | 78 | 0.07 | 0.01 | 0.77 | 0.93 |
| GSTmu | 1.22 | GSTmu | 53 | 42 | 0.09 | 0.02 | 0.41 | 0.50 |
| pS2 | 1.22 | pS2 | 141 | 111 | 0.06 | 0.01 | 1.10 | 1.34 |
| 14.3.3 gamma | 1.22 | 14.3.3 gamma | 150 | 119 | 0.01 | 0.07 | 1.17 | 1.43 |
| p19ARF | 1.22 | p19ARF | 2067 | 1632 | 0.13 | 0.09 | 16.18 | 19.66 |
| CD61 / Platelet Glycoprotein IIIA | 1.21 | CD61 / Platelet Glycoprotein IIIA | 64 | 50 | 0.10 | 0.00 | 0.50 | 0.60 |
| CD25/IL-2 Receptor a | 1.21 | CD25/IL-2 Receptor a | 132 | 104 | 0.08 | 0.02 | 1.03 | 1.25 |
| FHIT | 1.21 | FHIT | 68 | 54 | 0.02 | 0.09 | 0.53 | 0.64 |
| CD4 | 1.21 | CD4 | 70 | 55 | 0.08 | 0.08 | 0.55 | 0.66 |
| CD30 (Reed-Sternberg Cell Marker) | 1.21 | CD30 (Reed-Sternberg Cell Marker) | 89 | 70 | 0.01 | 0.01 | 0.69 | 0.84 |
| Pax-5 | 1.21 | Pax-5 | 63 | 49 | 0.03 | 0.09 | 0.49 | 0.59 |
| MART-1/Melan-A | 1.21 | MART-1/Melan-A | 81 | 64 | 0.14 | 0.03 | 0.63 | 0.77 |
| LewisA | 1.21 | LewisA | 74 | 58 | 0.08 | 0.15 | 0.58 | 0.70 |
| IGF-1R | 1.21 | IGF-1R | 102 | 80 | 0.09 | 0.03 | 0.79 | 0.96 |
| SODD (Silencer of Death Domain) | 1.20 | SODD (Silencer of Death Domain) | 561 | 439 | 0.18 | 0.06 | 4.39 | 5.29 |
| Catenin gamma | 1.20 | Catenin gamma | 108 | 85 | 0.09 | 0.14 | 0.85 | 1.02 |
| Vimentin | 1.20 | Vimentin | 62 | 48 | 0.08 | 0.06 | 0.48 | 0.58 |
| p15INK4b | 1.20 | p15INK4b | 66 | 52 | 0.11 | 0.04 | 0.52 | 0.62 |
| Ras | 1.20 | Ras | 744 | 580 | 0.05 | 0.22 | 5.82 | 6.99 |
| Presenillin | 1.20 | Presenillin | 75 | 59 | 0.08 | 0.08 | 0.59 | 0.70 |
| 6-Histidine | 1.20 | 6-Histidine | 89 | 69 | 0.01 | 0.04 | 0.69 | 0.83 |
| IGF-I | 1.20 | IGF-I | 66 | 51 | 0.05 | 0.08 | 0.51 | 0.61 |
| Neutrophil Elastase | 1.20 | Neutrophil Elastase | 4223 | 3287 | 0.06 | 0.11 | 33.06 | 39.60 |
| sm | 1.20 | sm | 428 | 333 | 0.05 | 0.05 | 3.35 | 4.01 |
| HIF-1a | 1.20 | HIF-1a | 77 | 60 | 0.12 | 0.01 | 0.60 | 0.72 |
| MHC II (HLA-DP) | 1.20 | MHC II (HLA-DP) | 101 | 79 | 0.06 | 0.10 | 0.79 | 0.95 |
| Amylin Peptide | 1.20 | Amylin Peptide | 65 | 51 | 0.09 | 0.01 | 0.51 | 0.61 |
| MMP-7 (Matrilysin) | 1.19 | MMP-7 (Matrilysin) | 121 | 94 | 0.03 | 0.13 | 0.94 | 1.13 |
| CD40 | 1.19 | CD40 | 116 | 90 | 0.01 | 0.00 | 0.91 | 1.08 |
| Parkin | 1.19 | Parkin | 203 | 158 | 0.08 | 0.15 | 1.59 | 1.90 |
| Collagen VII | 1.19 | Collagen VII | 71 | 55 | 0.08 | 0.03 | 0.56 | 0.66 |
| p170 / MDR-1 | 1.19 | p170 / MDR-1 | 87 | 67 | 0.16 | 0.08 | 0.68 | 0.81 |
| EGFR | 1.19 | EGFR | 184 | 143 | 0.12 | 0.06 | 1.44 | 1.72 |
| Hepatic Nuclear Factor-3B | 1.19 | Hepatic Nuclear Factor-3B | 162 | 125 | 0.09 | 0.07 | 1.26 | 1.51 |
| MMP-2 (72kDa Collagenase IV) | 1.19 | MMP-2 (72kDa Collagenase IV) | 93 | 72 | 0.04 | 0.03 | 0.72 | 0.86 |
| hPL | 1.19 | hPL | 66 | 51 | 0.02 | 0.00 | 0.52 | 0.61 |
| Neurofilament (160kDa) | 1.19 | Neurofilament (160kDa) | 95 | 73 | 0.11 | 0.04 | 0.74 | 0.88 |
| AIF (Apoptosis Inducing Factor) | 1.19 | AIF (Apoptosis Inducing Factor) | 5419 | 4184 | 0.02 | 0.07 | 42.41 | 50.40 |
| IP10/CRG2 | 1.19 | IP10/CRG2 | 75 | 58 | 0.07 | 0.09 | 0.58 | 0.69 |
| Heat Shock Factor 1 | 1.19 | Heat Shock Factor 1 | 66 | 51 | 0.03 | 0.01 | 0.51 | 0.61 |
| CDC6 | 1.18 | CDC6 | 113 | 87 | 0.02 | 0.04 | 0.88 | 1.04 |
| Collagen IX | 1.18 | Collagen IX | 87 | 67 | 0.11 | 0.03 | 0.68 | 0.80 |

## Antibody Array Assay Results

## Assay Data

**Explorer Antibody Array**

*Median Signal* *128* *83*

| **Protein List** | **Fold Change between Samples** | **Protein List** | **Average Signal of Replicate Spots** | | **Coefficient of Variation for Replicates** | | **Data Normalized to Median Signal** | |
|---|---|---|---|---|---|---|---|---|
| | **Smaller Sample/Bigger Sample** | | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** |
| Claudin 2 | 1.18 | Claudin 2 | 67 | 52 | 0.11 | 0.01 | 0.52 | 0.62 |
| Keratin 10/13 | 1.18 | Keratin 10/13 | 61 | 47 | 0.06 | 0.02 | 0.47 | 0.56 |
| BAG-1 | 1.18 | BAG-1 | 84 | 65 | 0.03 | 0.03 | 0.66 | 0.78 |
| MMP-1 (Collagenase-I) | 1.18 | MMP-1 (Collagenase-I) | 65 | 50 | 0.03 | 0.04 | 0.50 | 0.60 |
| B-Cell | 1.18 | B-Cell | 339 | 260 | 0.14 | 0.08 | 2.65 | 3.13 |
| E2F-3 | 1.18 | E2F-3 | 69 | 53 | 0.05 | 0.01 | 0.54 | 0.63 |
| MADD | 1.18 | MADD | 682 | 522 | 0.18 | 0.22 | 5.33 | 6.29 |
| Chromogranin A | 1.18 | Chromogranin A | 162 | 124 | 0.12 | 0.08 | 1.27 | 1.49 |
| CD18 | 1.18 | CD18 | 102 | 78 | 0.08 | 0.02 | 0.80 | 0.94 |
| CDw60 | 1.18 | CDw60 | 70 | 54 | 0.08 | 0.01 | 0.55 | 0.64 |
| Clathrin | 1.18 | Clathrin | 261 | 199 | 0.10 | 0.08 | 2.04 | 2.40 |
| Thyroid Hormone Receptor beta, human | 1.18 | Thyroid Hormone Receptor beta, human | 146 | 112 | 0.17 | 0.07 | 1.14 | 1.34 |
| Heat Shock Protein 75/hsp75 | 1.17 | Heat Shock Protein 75/hsp75 | 95 | 73 | 0.19 | 0.03 | 0.74 | 0.87 |
| Cadherin-P | 1.17 | Cadherin-P | 51 | 39 | 0.13 | 0.06 | 0.40 | 0.46 |
| SV40 Large T Antigen | 1.17 | SV40 Large T Antigen | 135 | 103 | 0.07 | 0.05 | 1.05 | 1.23 |
| FSH-b | 1.17 | FSH-b | 147 | 112 | 0.02 | 0.02 | 1.15 | 1.34 |
| Renal Cell Carcinoma | 1.17 | Renal Cell Carcinoma | 69 | 53 | 0.16 | 0.01 | 0.54 | 0.63 |
| Testosterone | 1.17 | Testosterone | 82 | 62 | 0.04 | 0.02 | 0.64 | 0.75 |
| von Hippel-Lindau Protein | 1.17 | von Hippel-Lindau Protein | 107 | 81 | 0.05 | 0.02 | 0.83 | 0.98 |
| JNK Activating kinase (JKK1) | 1.17 | JNK Activating kinase (JKK1) | 653 | 496 | 0.20 | 0.19 | 5.11 | 5.98 |
| CD95 / Fas | 1.17 | CD95 / Fas | 121 | 92 | 0.02 | 0.07 | 0.94 | 1.10 |
| O ct-1 | 1.17 | O ct-1 | 98 | 74 | 0.08 | 0.08 | 0.76 | 0.89 |
| Insulin | 1.17 | Insulin | 79 | 60 | 0.12 | 0.06 | 0.61 | 0.72 |
| alpha-1-antichymotrypsin | 1.17 | alpha-1-antichymotrypsin | 3160 | 2394 | 0.02 | 0.05 | 24.73 | 28.84 |
| MMP-19 | 1.17 | MMP-19 | 68 | 52 | 0.02 | 0.01 | 0.53 | 0.62 |
| Keratin 20 | 1.16 | Keratin 20 | 109 | 83 | 0.08 | 0.11 | 0.85 | 0.99 |
| Myelin / Oligodendrocyte | 1.16 | Myelin / Oligodendrocyte | 74 | 56 | 0.00 | 0.03 | 0.58 | 0.67 |
| Nucleophosmin (NPM) | 1.16 | Nucleophosmin (NPM) | 80 | 61 | 0.07 | 0.08 | 0.63 | 0.73 |
| Exo1 | 1.16 | Exo1 | 645 | 487 | 0.15 | 0.03 | 5.05 | 5.87 |
| ATM | 1.16 | ATM | 80 | 60 | 0.17 | 0.05 | 0.62 | 0.72 |
| Growth Hormone (hGH) | 1.16 | Growth Hormone (hGH) | 116 | 88 | 0.06 | 0.09 | 0.91 | 1.05 |
| IL-8 | 1.16 | IL-8 | 388 | 293 | 0.09 | 0.08 | 3.04 | 3.52 |
| b Galactosidase | 1.16 | b Galactosidase | 108 | 81 | 0.27 | 0.02 | 0.84 | 0.98 |
| Heat Shock Protein 70/hsp70 | 1.16 | Heat Shock Protein 70/hsp70 | 77 | 58 | 0.06 | 0.02 | 0.60 | 0.70 |
| Parathyroid Hormone | 1.16 | Parathyroid Hormone | 77 | 58 | 0.00 | 0.10 | 0.60 | 0.70 |
| TAG-72 | 1.16 | TAG-72 | 69 | 52 | 0.05 | 0.01 | 0.54 | 0.62 |
| Calretinin | 1.16 | Calretinin | 71 | 53 | 0.05 | 0.03 | 0.55 | 0.64 |
| Calponin | 1.16 | Calponin | 4826 | 3628 | 0.04 | 0.20 | 37.77 | 43.70 |
| MCM5 | 1.16 | MCM5 | 113 | 85 | 0.18 | 0.11 | 0.88 | 1.02 |
| CD23 | 1.15 | CD23 | 70 | 53 | 0.02 | 0.12 | 0.55 | 0.63 |
| Cdk2 | 1.15 | Cdk2 | 80 | 60 | 0.04 | 0.05 | 0.63 | 0.72 |
| Claudin 5 | 1.15 | Claudin 5 | 64 | 48 | 0.02 | 0.12 | 0.50 | 0.58 |
| GFAP | 1.15 | GFAP | 62 | 47 | 0.11 | 0.08 | 0.49 | 0.56 |
| UCP3 | 1.15 | UCP3 | 76 | 57 | 0.13 | 0.10 | 0.59 | 0.69 |
| Ang-1 | 1.15 | Ang-1 | 70 | 52 | 0.05 | 0.03 | 0.54 | 0.63 |
| CD6 | 1.15 | CD6 | 1173 | 876 | 0.19 | 0.04 | 9.18 | 10.55 |
| MCM2 | 1.15 | MCM2 | 79 | 59 | 0.02 | 0.10 | 0.62 | 0.71 |
| Actin, skeletal muscle | 1.15 | Actin, skeletal muscle | 71 | 53 | 0.06 | 0.00 | 0.56 | 0.64 |
| Progesterone Receptor (phospho-specifi | 1.15 | Progesterone Receptor (phospho-specific) - Serine 29 | 99 | 74 | 0.27 | 0.11 | 0.77 | 0.89 |
| MyoD1 | 1.15 | MyoD1 | 5791 | 4316 | 0.13 | 0.15 | 45.33 | 52.00 |
| Rabies Virus | 1.15 | Rabies Virus | 139 | 104 | 0.23 | 0.06 | 1.09 | 1.25 |
| PPAR-gamma | 1.15 | PPAR-gamma | 65 | 48 | 0.05 | 0.03 | 0.50 | 0.58 |
| PCNA | 1.14 | PCNA | 113 | 84 | 0.01 | 0.03 | 0.88 | 1.01 |
| IL-2 | 1.14 | IL-2 | 76 | 56 | 0.14 | 0.05 | 0.59 | 0.67 |
| HRP | 1.14 | HRP | 89 | 66 | 0.05 | 0.04 | 0.70 | 0.80 |
| Ang-2 | 1.14 | Ang-2 | 68 | 50 | 0.03 | 0.00 | 0.53 | 0.60 |

## Antibody Array Assay Results

**Explorer Antibody Array**

| Protein List | Fold Change between Samples<br>Smaller Sample/Bigger Sample |
|---|---|
| ITK | 1.14 |
| S100A4 | 1.14 |
| PSCA | 1.14 |
| Topo II beta | 1.13 |
| CD138 | 1.13 |
| Keratin, LMW | 1.13 |
| Prostate Apoptosis Response Protein-4 | 1.13 |
| IgA | 1.13 |
| Caspase 1 | 1.13 |
| GAPDH | 1.13 |
| Surfactant Protein B | 1.13 |
| CD14 | 1.13 |
| Caldesmon | 1.13 |
| CD79a mb-1 | 1.13 |
| Retinoblastoma (Rb) (Phospho-specific Se | 1.13 |
| Osteopontin | 1.13 |
| PMP-22 | 1.12 |
| a-B-Crystallin | 1.12 |
| CXCR4 / Fusin | 1.12 |
| Gastrin 1 | 1.12 |
| Ornithine Decarboxylase | 1.12 |
| CD20 | 1.12 |
| PDGF | 1.12 |
| Transforming Growth Factor a | 1.12 |
| CD45RB | 1.12 |
| Mek6 | 1.11 |
| MHC II (HLA-DQ) | 1.11 |
| MMP-11 (Stromelysin-3) | 1.11 |
| Caspase 7 (Mch 3) | 1.11 |
| Fli-1 | 1.11 |
| MAP2a,b | 1.11 |
| CD16 | 1.10 |
| HDAC1 | 1.10 |
| CIDE-A | 1.10 |
| MLH1 | 1.10 |
| GM-CSF | 1.10 |
| ERCC1 | 1.10 |
| Prolactin Receptor | 1.10 |
| CD115/c-fms/CSF-1R/M-CSFR | 1.10 |
| c-jun | 1.10 |
| Mucin 3 (MUC3) | 1.10 |
| Raf-1 (Phospho-specific) | 1.10 |
| Neurofilament (68kDa) | 1.10 |
| Alkaline Phosphatase (AP) | 1.10 |
| CD36GPIIIb/GPIV | 1.09 |
| HDJ-2/DNAJ | 1.09 |
| S100A6 | 1.09 |
| Vitamin D Receptor (VDR) | 1.09 |
| p95VAV | 1.09 |
| PLAP | 1.09 |
| Myosin Smooth Muscle Heavy Chain | 1.09 |
| Cdk4 | 1.09 |
| p63 (p53 Family Member) | 1.09 |
| Rad51 | 1.09 |
| MHC II (HLA-DR) | 1.09 |
| E2F-1 | 1.09 |

## Assay Data

| *Median Signal* | *128* | *83* | | | | |
|---|---|---|---|---|---|---|
| Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
| | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| ITK | 165 | 122 | 0.13 | 0.09 | 1.29 | 1.46 |
| S100A4 | 126 | 93 | 0.07 | 0.09 | 0.99 | 1.12 |
| PSCA | 71 | 52 | 0.13 | 0.05 | 0.55 | 0.63 |
| Topo II beta | 70 | 52 | 0.04 | 0.04 | 0.55 | 0.62 |
| CD138 | 104 | 77 | 0.16 | 0.01 | 0.81 | 0.92 |
| Keratin, LMW | 95 | 70 | 0.04 | 0.01 | 0.74 | 0.84 |
| Prostate Apoptosis Response Protein-4 | 66 | 49 | 0.00 | 0.04 | 0.52 | 0.58 |
| IgA | 16036 | 11781 | 0.04 | 0.02 | 125.52 | 141.93 |
| Caspase 1 | 1082 | 794 | 0.32 | 0.14 | 8.47 | 9.57 |
| GAPDH | 166 | 122 | 0.01 | 0.04 | 1.30 | 1.46 |
| Surfactant Protein B | 77 | 57 | 0.09 | 0.06 | 0.60 | 0.68 |
| CD14 | 137 | 101 | 0.03 | 0.04 | 1.07 | 1.21 |
| Caldesmon | 113 | 83 | 0.18 | 0.13 | 0.88 | 0.99 |
| CD79a mb-1 | 114 | 84 | 0.04 | 0.31 | 0.89 | 1.01 |
| Retinoblastoma (Rb) (Phospho-specific Serine 608) | 69 | 51 | 0.08 | 0.01 | 0.54 | 0.61 |
| Osteopontin | 82 | 60 | 0.00 | 0.12 | 0.64 | 0.72 |
| PMP-22 | 76 | 56 | 0.07 | 0.01 | 0.59 | 0.67 |
| a-B-Crystallin | 74 | 54 | 0.01 | 0.12 | 0.58 | 0.64 |
| CXCR4 / Fusin | 305 | 222 | 0.05 | 0.09 | 2.38 | 2.67 |
| Gastrin 1 | 134 | 97 | 0.11 | 0.03 | 1.05 | 1.17 |
| Ornithine Decarboxylase | 101 | 73 | 0.02 | 0.04 | 0.79 | 0.88 |
| CD20 | 148 | 108 | 0.21 | 0.16 | 1.16 | 1.30 |
| PDGF | 79 | 57 | 0.10 | 0.07 | 0.61 | 0.69 |
| Transforming Growth Factor a | 146 | 106 | 0.02 | 0.11 | 1.14 | 1.27 |
| CD45RB | 118 | 86 | 0.11 | 0.11 | 0.92 | 1.03 |
| Mek6 | 639 | 462 | 0.16 | 0.22 | 5.00 | 5.57 |
| MHC II (HLA-DQ) | 163 | 118 | 0.13 | 0.04 | 1.27 | 1.42 |
| MMP-11 (Stromelysin-3) | 88 | 63 | 0.02 | 0.11 | 0.68 | 0.76 |
| Caspase 7 (Mch 3) | 1128 | 812 | 0.21 | 0.10 | 8.83 | 9.78 |
| Fli-1 | 79 | 57 | 0.10 | 0.04 | 0.61 | 0.68 |
| MAP2a,b | 123 | 88 | 0.02 | 0.03 | 0.96 | 1.06 |
| CD16 | 223 | 160 | 0.08 | 0.00 | 1.75 | 1.93 |
| HDAC1 | 73 | 52 | 0.03 | 0.00 | 0.57 | 0.63 |
| CIDE-A | 691 | 496 | 0.43 | 0.29 | 5.41 | 5.97 |
| MLH1 | 80 | 57 | 0.06 | 0.07 | 0.62 | 0.69 |
| GM-CSF | 51 | 37 | 0.22 | 0.02 | 0.40 | 0.44 |
| ERCC1 | 677 | 484 | 0.11 | 0.00 | 5.30 | 5.83 |
| Prolactin Receptor | 4449 | 3179 | 0.24 | 0.34 | 34.82 | 38.30 |
| CD115/c-fms/CSF-1R/M-CSFR | 212 | 152 | 0.23 | 0.08 | 1.66 | 1.83 |
| c-jun | 154 | 110 | 0.00 | 0.10 | 1.20 | 1.32 |
| Mucin 3 (MUC3) | 202 | 144 | 0.08 | 0.01 | 1.58 | 1.73 |
| Raf-1 (Phospho-specific) | 152 | 108 | 0.06 | 0.03 | 1.19 | 1.30 |
| Neurofilament (68kDa) | 162 | 115 | 0.03 | 0.06 | 1.26 | 1.39 |
| Alkaline Phosphatase (AP) | 655 | 466 | 0.25 | 0.01 | 5.13 | 5.61 |
| CD36GPIIIb/GPIV | 220 | 157 | 0.03 | 0.06 | 1.72 | 1.89 |
| HDJ-2/DNAJ | 120 | 85 | 0.11 | 0.22 | 0.94 | 1.02 |
| S100A6 | 154 | 110 | 0.27 | 0.10 | 1.21 | 1.32 |
| Vitamin D Receptor (VDR) | 738 | 525 | 0.08 | 0.08 | 5.78 | 6.32 |
| p95VAV | 80 | 57 | 0.13 | 0.06 | 0.62 | 0.68 |
| PLAP | 93 | 66 | 0.11 | 0.09 | 0.73 | 0.80 |
| Myosin Smooth Muscle Heavy Chain | 93 | 66 | 0.07 | 0.12 | 0.72 | 0.79 |
| Cdk4 | 154 | 109 | 0.08 | 0.00 | 1.21 | 1.31 |
| p63 (p53 Family Member) | 115 | 81 | 0.02 | 0.07 | 0.90 | 0.98 |
| Rad51 | 229 | 162 | 0.04 | 0.00 | 1.79 | 1.95 |
| MHC II (HLA-DR) | 190 | 134 | 0.02 | 0.12 | 1.48 | 1.61 |
| E2F-1 | 758 | 535 | 0.15 | 0.19 | 5.93 | 6.45 |

## Antibody Array Assay Results

## Assay Data

**Explorer Antibody Array**

*Median Signal* *128* *83*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| PR3 (Proteinase 3) | 1.09 | PR3 (Proteinase 3) | 7675 | 5416 | 0.02 | 0.05 | 60.08 | 65.25 |
| GRIP1 | 1.09 | GRIP1 | 95 | 67 | 0.07 | 0.04 | 0.74 | 0.81 |
| CDC14A Phosphatase | 1.09 | CDC14A Phosphatase | 78 | 55 | 0.07 | 0.05 | 0.61 | 0.66 |
| bcl-X | 1.08 | bcl-X | 71 | 50 | 0.04 | 0.03 | 0.56 | 0.60 |
| b-2-Microglobulin | 1.08 | b-2-Microglobulin | 73 | 51 | 0.20 | 0.03 | 0.57 | 0.61 |
| Phosphotyrosine | 1.08 | Phosphotyrosine | 204 | 144 | 0.12 | 0.06 | 1.60 | 1.73 |
| Erk1 | 1.08 | Erk1 | 228 | 160 | 0.04 | 0.04 | 1.78 | 1.93 |
| GLUT-3 | 1.08 | GLUT-3 | 101 | 71 | 0.05 | 0.11 | 0.79 | 0.85 |
| Claudin 4 | 1.08 | Claudin 4 | 64 | 45 | 0.08 | 0.05 | 0.50 | 0.54 |
| 14-3-3 beta | 1.08 | 14-3-3 beta | 107 | 75 | 0.14 | 0.07 | 0.83 | 0.90 |
| p16INK4a | 1.08 | p16INK4a | 68 | 48 | 0.04 | 0.13 | 0.53 | 0.57 |
| Chorionic Gonadotropin beta (hCG-beta) | 1.07 | Chorionic Gonadotropin beta (hCG-beta) | 123 | 86 | 0.01 | 0.01 | 0.96 | 1.03 |
| CD1a | 1.07 | CD1a | 113 | 79 | 0.06 | 0.14 | 0.88 | 0.95 |
| Surfactant Protein B (Pro) | 1.07 | Surfactant Protein B (Pro) | 141 | 98 | 0.02 | 0.06 | 1.10 | 1.18 |
| Progesterone | 1.07 | Progesterone | 1623 | 1130 | 0.04 | 0.08 | 12.70 | 13.61 |
| Epithelial Membrane Antigen (EMA / CA1 | 1.07 | Epithelial Membrane Antigen (EMA / CA15-MUC-1) | 179 | 125 | 0.05 | 0.03 | 1.40 | 1.50 |
| GST | 1.07 | GST | 133 | 93 | 0.15 | 0.07 | 1.04 | 1.11 |
| Calcium Pump ATPase | 1.07 | Calcium Pump ATPase | 148 | 103 | 0.11 | 0.03 | 1.15 | 1.23 |
| Cyclin E | 1.07 | Cyclin E | 3647 | 2532 | 0.21 | 0.06 | 28.54 | 30.50 |
| CD81/TAPA-1 | 1.06 | CD81/TAPA-1 | 94 | 65 | 0.00 | 0.02 | 0.74 | 0.78 |
| MHC I (HLA-A,B,C) | 1.06 | MHC I (HLA-A,B,C) | 159 | 110 | 0.06 | 0.01 | 1.24 | 1.32 |
| Tubulin | 1.06 | Tubulin | 443 | 305 | 0.17 | 0.31 | 3.46 | 3.67 |
| p53 | 1.06 | p53 | 87 | 60 | 0.14 | 0.08 | 0.68 | 0.72 |
| TGF beta 3 | 1.05 | TGF beta 3 | 186 | 127 | 0.11 | 0.11 | 1.45 | 1.53 |
| Heregulin | 1.05 | Heregulin | 117 | 80 | 0.00 | 0.14 | 0.92 | 0.96 |
| Myeloid Specific Marker | 1.05 | Myeloid Specific Marker | 177 | 121 | 0.00 | 0.06 | 1.39 | 1.46 |
| Oct-3/ | 1.05 | Oct-3/ | 79 | 54 | 0.09 | 0.03 | 0.62 | 0.65 |
| CD71 / Transferrin Receptor | 1.05 | CD71 / Transferrin Receptor | 111 | 76 | 0.10 | 0.05 | 0.86 | 0.91 |
| CD231 | 1.05 | CD231 | 166 | 113 | 0.13 | 0.08 | 1.30 | 1.36 |
| MHC II (HLA-DR) Ia | 1.05 | MHC II (HLA-DR) Ia | 155 | 106 | 0.16 | 0.09 | 1.21 | 1.27 |
| L-Plastin | 1.05 | L-Plastin | 348 | 237 | 0.10 | 0.16 | 2.72 | 2.85 |
| MMP-13 (Collagenase-3) | 1.04 | MMP-13 (Collagenase-3) | 120 | 81 | 0.16 | 0.16 | 0.94 | 0.98 |
| Flt-4 | 1.04 | Flt-4 | 76 | 52 | 0.17 | 0.01 | 0.59 | 0.62 |
| Chk1 | 1.04 | Chk1 | 1520 | 1029 | 0.09 | 0.04 | 11.90 | 12.39 |
| RPA/p70 | 1.04 | RPA/p70 | 176 | 119 | 0.03 | 0.05 | 1.38 | 1.43 |
| COX2 | 1.04 | COX2 | 83 | 56 | 0.03 | 0.06 | 0.65 | 0.67 |
| GLUT-1 | 1.03 | GLUT-1 | 79 | 53 | 0.18 | 0.08 | 0.62 | 0.64 |
| p73a/b | 1.03 | p73a/b | 81 | 54 | 0.11 | 0.00 | 0.63 | 0.65 |
| Connexin 43 | 1.03 | Connexin 43 | 93 | 62 | 0.04 | 0.07 | 0.72 | 0.75 |
| Mitochondria | 1.03 | Mitochondria | 80 | 53 | 0.29 | 0.05 | 0.62 | 0.64 |
| Fas-ligand | 1.02 | Fas-ligand | 81 | 54 | 0.13 | 0.01 | 0.63 | 0.64 |
| Bax | 1.02 | Bax | 107 | 71 | 0.09 | 0.03 | 0.83 | 0.85 |
| Tropomyosin | 1.02 | Tropomyosin | 167 | 111 | 0.02 | 0.11 | 1.31 | 1.33 |
| Ga0 | 1.02 | Ga0 | 92 | 61 | 0.10 | 0.08 | 0.72 | 0.73 |
| Glucose-Regulated Protein 94 | 1.02 | Glucose-Regulated Protein 94 | 86 | 57 | 0.14 | 0.04 | 0.67 | 0.68 |
| P504S | 1.02 | P504S | 74 | 49 | 0.09 | 0.04 | 0.58 | 0.58 |
| Filaggrin | 1.02 | Filaggrin | 96 | 63 | 0.08 | 0.00 | 0.75 | 0.76 |
| E2F-2 | 1.01 | E2F-2 | 9241 | 6087 | 0.07 | 0.13 | 72.33 | 73.34 |
| Cathepsin D | 1.01 | Cathepsin D | 81 | 53 | 0.24 | 0.03 | 0.63 | 0.64 |
| Laminin Receptor | 1.01 | Laminin Receptor | 305 | 200 | 0.03 | 0.03 | 2.39 | 2.41 |
| Muc-1 | 1.01 | Muc-1 | 97 | 64 | 0.10 | 0.03 | 0.76 | 0.77 |
| Keratin 8 (phospho-specific Ser73) | 1.00 | Keratin 8 (phospho-specific Ser73) | 178 | 116 | 0.06 | 0.12 | 1.39 | 1.40 |
| APC11 | 1.00 | APC11 | 551 | 359 | 0.21 | 0.05 | 4.31 | 4.32 |
| NF kappa B / p65 (Rel A) | 1.00 | NF kappa B / p65 (Rel A) | 675 | 439 | 0.08 | 0.17 | 5.28 | 5.29 |
| RAD1 | 1.00 | RAD1 | 174 | 113 | 0.46 | 0.09 | 1.36 | 1.36 |
| Actin, Pan | 1.00 | Actin, Pan | 115 | 75 | 0.31 | 0.09 | 0.90 | 0.90 |

## Antibody Array Assay Results

## Assay Data

**Explorer Antibody Array**

*Median Signal* 128 83

| **Protein List** | Fold Change between Samples | **Protein List** | **Average Signal of Replicate Spots** | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** |
| Heat Shock Protein 60/hsp60 | 0.99 | Heat Shock Protein 60/hsp60 | 120 | 77 | 0.15 | 0.06 | 0.94 | 0.93 |
| Estradiol | 0.99 | Estradiol | 194 | 125 | 0.13 | 0.18 | 1.52 | 1.51 |
| CD45RO | 0.99 | CD45RO | 8930 | 5753 | 0.04 | 0.01 | 69.90 | 69.31 |
| Mast Cell Chymase | 0.99 | Mast Cell Chymase | 8147 | 5239 | 0.11 | 0.09 | 63.77 | 63.12 |
| Tenascin | 0.99 | Tenascin | 91 | 59 | 0.11 | 0.01 | 0.71 | 0.70 |
| Gai1 | 0.99 | Gai1 | 6158 | 3943 | 0.19 | 0.11 | 48.20 | 47.51 |
| Luciferase | 0.97 | Luciferase | 90 | 57 | 0.27 | 0.10 | 0.70 | 0.69 |
| GABA a Receptor 1 | 0.97 | GABA a Receptor 1 | 94 | 60 | 0.21 | 0.04 | 0.74 | 0.72 |
| Estrogen Receptor | 0.97 | Estrogen Receptor | 96 | 61 | 0.10 | 0.43 | 0.75 | 0.73 |
| CD8 | 0.97 | CD8 | 110 | 69 | 0.03 | 0.08 | 0.86 | 0.83 |
| SIRP a1 | 0.97 | SIRP a1 | 949 | 598 | 0.00 | 0.02 | 7.42 | 7.20 |
| LH | 0.97 | LH | 166 | 104 | 0.15 | 0.07 | 1.30 | 1.25 |
| S100 | 0.96 | S100 | 101 | 63 | 0.20 | 0.20 | 0.79 | 0.76 |
| MMP-16 / MT3-MMP | 0.96 | MMP-16 / MT3-MMP | 384 | 240 | 0.40 | 0.01 | 3.00 | 2.89 |
| DcR1 | 0.95 | DcR1 | 121 | 75 | 0.22 | 0.10 | 0.94 | 0.90 |
| Macrophage | 0.95 | Macrophage | 27363 | 16885 | 0.08 | 0.07 | 214.19 | 203.43 |
| Keratin 8/18 | 0.95 | Keratin 8/18 | 3273 | 2018 | 0.16 | 0.13 | 25.62 | 24.31 |
| CD137 (4-1BB) | 0.95 | CD137 (4-1BB) | 94 | 58 | 0.04 | 0.06 | 0.73 | 0.69 |
| Keratin 5/6/18 | 0.95 | Keratin 5/6/18 | 367 | 226 | 0.28 | 0.01 | 2.87 | 2.72 |
| cdh1 | 0.95 | cdh1 | 118 | 73 | 0.06 | 0.01 | 0.92 | 0.87 |
| PHAS-II | 0.94 | PHAS-II | 152 | 93 | 0.03 | 0.02 | 1.19 | 1.12 |
| Neuron Specific Enolase | 0.94 | Neuron Specific Enolase | 3636 | 2230 | 0.01 | 0.01 | 28.46 | 26.86 |
| I-Kappa-B Kinase b (IKKb) | 0.94 | I-Kappa-B Kinase b (IKKb) | 171 | 104 | 0.02 | 0.20 | 1.33 | 1.25 |
| p73a | 0.94 | p73a | 160 | 98 | 0.19 | 0.12 | 1.25 | 1.17 |
| Myogenin | 0.94 | Myogenin | 189 | 115 | 0.07 | 0.04 | 1.48 | 1.39 |
| GluR6/7 | 0.94 | GluR6/7 | 93 | 57 | 0.05 | 0.01 | 0.73 | 0.68 |
| Keratin 8 | 0.93 | Keratin 8 | 4890 | 2969 | 0.01 | 0.05 | 38.27 | 35.77 |
| Caspase 5 | 0.93 | Caspase 5 | 101 | 61 | 0.08 | 0.00 | 0.79 | 0.73 |
| Keratin 5/8 | 0.93 | Keratin 5/8 | 150 | 91 | 0.14 | 0.10 | 1.17 | 1.09 |
| c-fos | 0.93 | c-fos | 98 | 59 | 0.16 | 0.02 | 0.77 | 0.71 |
| Desmin | 0.93 | Desmin | 102 | 61 | 0.01 | 0.05 | 0.79 | 0.73 |
| Ki67 | 0.92 | Ki67 | 244 | 146 | 0.06 | 0.09 | 1.91 | 1.76 |
| Melanoma (gp100) | 0.92 | Melanoma (gp100) | 4679 | 2795 | 0.06 | 0.09 | 36.63 | 33.67 |
| GluR 2/3 | 0.92 | GluR 2/3 | 91 | 54 | 0.16 | 0.05 | 0.71 | 0.65 |
| CREB | 0.91 | CREB | 607 | 360 | 0.34 | 0.30 | 4.75 | 4.33 |
| Green Fluorescent Protein (GFP) | 0.91 | Green Fluorescent Protein (GFP) | 131 | 78 | 0.18 | 0.12 | 1.03 | 0.93 |
| Pds1 | 0.91 | Pds1 | 418 | 247 | 0.06 | 0.00 | 3.27 | 2.97 |
| claudin 11 | 0.91 | claudin 11 | 103 | 61 | 0.06 | 0.08 | 0.80 | 0.73 |
| Keratin 19 | 0.91 | Keratin 19 | 313 | 184 | 0.05 | 0.07 | 2.45 | 2.22 |
| MAP1B | 0.90 | MAP1B | 4433 | 2604 | 0.17 | 0.24 | 34.70 | 31.37 |
| CD35/CR1 | 0.89 | CD35/CR1 | 269 | 156 | 0.00 | 0.10 | 2.10 | 1.88 |
| DJ-1 | 0.89 | DJ-1 | 103 | 59 | 0.19 | 0.02 | 0.80 | 0.71 |
| Grb2 | 0.88 | Grb2 | 695 | 400 | 0.01 | 0.08 | 5.44 | 4.81 |
| GluR1 | 0.88 | GluR1 | 102 | 58 | 0.03 | 0.15 | 0.79 | 0.70 |
| CREB-Binding Protein | 0.88 | CREB-Binding Protein | 124 | 71 | 0.03 | 0.01 | 0.97 | 0.85 |
| Cdk8 | 0.88 | Cdk8 | 814 | 463 | 0.16 | 0.03 | 6.37 | 5.58 |
| Paxillin | 0.88 | Paxillin | 146 | 83 | 0.10 | 0.03 | 1.14 | 1.00 |
| Keratin, Pan | 0.87 | Keratin, Pan | 114 | 65 | 0.12 | 0.03 | 0.89 | 0.78 |
| Bcl10 / CIPER / CLAP / mE10 | 0.87 | Bcl10 / CIPER / CLAP / mE10 | 352 | 199 | 0.05 | 0.15 | 2.76 | 2.39 |
| APC | 0.87 | APC | 107 | 60 | 0.05 | 0.07 | 0.83 | 0.72 |
| Negative Control for Mouse IgG3 | 0.87 | Negative Control for Mouse IgG3 | 254 | 143 | 0.01 | 0.09 | 1.99 | 1.72 |
| SREBP-1 (Sterol Regulatory Element Bindi | 0.86 | SREBP-1 (Sterol Regulatory Element Binding Protein-1 | 127 | 71 | 0.01 | 0.11 | 0.99 | 0.85 |
| Catenin alpha | 0.84 | Catenin alpha | 88 | 48 | 0.09 | 0.03 | 0.68 | 0.58 |
| Myeloperoxidase | 0.84 | Myeloperoxidase | 4854 | 2654 | 0.03 | 0.00 | 37.99 | 31.97 |
| Adenovirus Type 2 E1A | 0.84 | Adenovirus Type 2 E1A | 5639 | 3080 | 0.15 | 0.17 | 44.14 | 37.11 |
| NF kappa B / p50 | 0.83 | NF kappa B / p50 | 1080 | 584 | 0.31 | 0.15 | 8.45 | 7.04 |

## Antibody Array Assay Results

**Explorer Antibody Array**

| Protein List | Fold Change between Samples<br>Smaller Sample/Bigger Sample |
|---|---|
| Wnt-1 | 0.83 |
| Cyclin C | 0.82 |
| Heat Shock Protein 27/hsp27 | 0.81 |
| Mekk-1 | 0.79 |
| Stat6 | 0.79 |
| Fra2 | 0.79 |
| Granzyme B | 0.78 |
| Raf1 | 0.78 |
| Vinculin | 0.78 |
| p27Kip1 | 0.77 |
| Syk | 0.76 |
| B7-H2 | 0.76 |
| nm23 | 0.76 |
| Topoisomerase IIa | 0.76 |
| Myoglobin | 0.75 |
| Thymidine Phosphorylase | 0.75 |
| ERK2 | 0.75 |
| Caspase 8 (FLICE) | 0.74 |
| Ferritin | 0.74 |
| Heat Shock Protein 90b/hsp84 | 0.74 |
| Zip kinase | 0.73 |
| Helicobacter pylori | 0.73 |
| Claudin-1 | 0.71 |
| Cyclin E2 | 0.71 |
| ROC | 0.71 |
| I-FLICE / CASPER | 0.71 |
| CD63 | 0.70 |
| D4-GDI | 0.69 |
| DNA Polymerase Gamma | 0.68 |
| Bim (BOD) | 0.68 |
| Filamin | 0.67 |
| MMP-14 / MT1-MMP | 0.67 |
| DP-2 | 0.67 |
| Caspase 6 (Mch 2) | 0.67 |
| DFF45 / ICAD | 0.65 |
| CDC37 | 0.65 |
| NOS-i | 0.64 |
| Histone H1 | 0.64 |
| TNF-R2 | 0.64 |
| E2F-5 | 0.63 |
| Flk-1 / KDR / VEGFR2 | 0.63 |
| Amphiregulin | 0.63 |
| DcR2 / TRAIL-R4 / TRUNDD | 0.62 |
| Negative Control for Rabbit IgG | 0.62 |
| Somatostatin Receptor-I | 0.62 |
| Mek2 | 0.62 |
| Daxx | 0.62 |
| APC2 | 0.61 |
| A-Raf | 0.60 |
| Ask1 / MAPKKK5 | 0.60 |
| Calcitonin | 0.60 |
| Caspase 2 | 0.60 |
| Bak | 0.59 |
| Involucrin | 0.59 |
| TACE (TNF-alpha converting enzyme) / A | 0.59 |
| Gab-1 | 0.59 |

## Assay Data

| Protein List | Average Signal of Replicate Spots |  | Coefficient of Variation for Replicates |  | Data Normalized to Median Signal |  |
|---|---|---|---|---|---|---|
| *Median Signal* | *128* | *83* |  |  |  |  |
|  | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| Wnt-1 | 94 | 51 | 0.37 | 0.13 | 0.73 | 0.61 |
| Cyclin C | 247 | 132 | 0.26 | 0.04 | 1.93 | 1.58 |
| Heat Shock Protein 27/hsp27 | 4058 | 2135 | 0.20 | 0.01 | 31.77 | 25.72 |
| Mekk-1 | 148 | 76 | 0.18 | 0.13 | 1.16 | 0.92 |
| Stat6 | 103 | 53 | 0.02 | 0.04 | 0.80 | 0.63 |
| Fra2 | 212 | 109 | 0.02 | 0.15 | 1.66 | 1.31 |
| Granzyme B | 198 | 101 | 0.30 | 0.13 | 1.55 | 1.21 |
| Raf1 | 492 | 249 | 0.45 | 0.29 | 3.85 | 2.99 |
| Vinculin | 200 | 101 | 0.19 | 0.06 | 1.57 | 1.22 |
| p27Kip1 | 179 | 89 | 0.02 | 0.06 | 1.40 | 1.07 |
| Syk | 480 | 238 | 0.03 | 0.01 | 3.75 | 2.86 |
| B7-H2 | 3527 | 1741 | 0.14 | 0.18 | 27.61 | 20.98 |
| nm23 | 146 | 72 | 0.15 | 0.00 | 1.14 | 0.87 |
| Topoisomerase IIa | 172 | 85 | 0.12 | 0.01 | 1.35 | 1.02 |
| Myoglobin | 121 | 59 | 0.06 | 0.05 | 0.94 | 0.71 |
| Thymidine Phosphorylase | 124 | 61 | 0.05 | 0.04 | 0.97 | 0.73 |
| ERK2 | 189 | 92 | 0.45 | 0.04 | 1.48 | 1.10 |
| Caspase 8 (FLICE) | 139 | 67 | 0.14 | 0.08 | 1.08 | 0.81 |
| Ferritin | 1686 | 815 | 0.08 | 0.09 | 13.20 | 9.82 |
| Heat Shock Protein 90b/hsp84 | 139 | 67 | 0.10 | 0.07 | 1.08 | 0.80 |
| Zip kinase | 260 | 124 | 0.04 | 0.01 | 2.03 | 1.49 |
| Helicobacter pylori | 265 | 125 | 0.16 | 0.09 | 2.07 | 1.51 |
| Claudin-1 | 184 | 85 | 0.20 | 0.15 | 1.44 | 1.02 |
| Cyclin E2 | 148 | 69 | 0.68 | 0.09 | 1.16 | 0.83 |
| ROC | 119 | 55 | 0.23 | 0.05 | 0.93 | 0.66 |
| I-FLICE / CASPER | 186 | 85 | 0.01 | 0.13 | 1.45 | 1.02 |
| CD63 | 2280 | 1038 | 0.03 | 0.06 | 17.85 | 12.50 |
| D4-GDI | 201 | 91 | 0.06 | 0.20 | 1.57 | 1.09 |
| DNA Polymerase Gamma | 141 | 63 | 0.23 | 0.03 | 1.10 | 0.75 |
| Bim (BOD) | 385 | 170 | 0.16 | 0.01 | 3.01 | 2.05 |
| Filamin | 2149 | 939 | 0.09 | 0.10 | 16.82 | 11.31 |
| MMP-14 / MT1-MMP | 183 | 80 | 0.03 | 0.08 | 1.43 | 0.96 |
| DP-2 | 212 | 92 | 0.08 | 0.06 | 1.66 | 1.11 |
| Caspase 6 (Mch 2) | 163 | 71 | 0.03 | 0.09 | 1.28 | 0.85 |
| DFF45 / ICAD | 583 | 247 | 0.19 | 0.06 | 4.56 | 2.97 |
| CDC37 | 1435 | 605 | 0.24 | 0.19 | 11.23 | 7.28 |
| NOS-i | 202 | 85 | 0.01 | 0.18 | 1.58 | 1.02 |
| Histone H1 | 1208 | 503 | 0.18 | 0.01 | 9.46 | 6.06 |
| TNF-R2 | 176 | 73 | 0.11 | 0.07 | 1.37 | 0.87 |
| E2F-5 | 374 | 154 | 0.06 | 0.08 | 2.92 | 1.86 |
| Flk-1 / KDR / VEGFR2 | 146 | 60 | 0.16 | 0.08 | 1.14 | 0.72 |
| Amphiregulin | 170 | 69 | 0.02 | 0.08 | 1.33 | 0.83 |
| DcR2 / TRAIL-R4 / TRUNDD | 130 | 53 | 0.07 | 0.12 | 1.01 | 0.63 |
| Negative Control for Rabbit IgG | 160 | 65 | 0.03 | 0.05 | 1.25 | 0.78 |
| Somatostatin Receptor-I | 243 | 98 | 0.15 | 0.14 | 1.90 | 1.18 |
| Mek2 | 308 | 124 | 0.00 | 0.09 | 2.41 | 1.49 |
| Daxx | 162 | 65 | 0.07 | 0.07 | 1.26 | 0.78 |
| APC2 | 129 | 51 | 0.05 | 0.03 | 1.01 | 0.61 |
| A-Raf | 198 | 78 | 0.03 | 0.10 | 1.55 | 0.93 |
| Ask1 / MAPKKK5 | 227 | 89 | 0.11 | 0.14 | 1.78 | 1.07 |
| Calcitonin | 174 | 68 | 0.21 | 0.12 | 1.36 | 0.81 |
| Caspase 2 | 180 | 70 | 0.01 | 0.17 | 1.41 | 0.84 |
| Bak | 299 | 116 | 0.16 | 0.14 | 2.34 | 1.39 |
| Involucrin | 852 | 328 | 0.04 | 0.07 | 6.67 | 3.95 |
| TACE (TNF-alpha converting enzyme) / ADAM17 | 246 | 95 | 0.01 | 0.07 | 1.93 | 1.14 |
| Gab-1 | 316 | 121 | 0.17 | 0.10 | 2.47 | 1.45 |

## Antibody Array Assay Results

**Explorer Antibody Array**

| **Protein List** | **Fold Change between Samples**<br>**Smaller Sample/Bigger Sample** |
|---|---|
| Amyloid A4 Protein Precursor | 0.58 |
| PHAS-I | 0.58 |
| Lck (p56lck) | 0.57 |
| CIDE-B | 0.57 |
| ARC | 0.57 |
| Nck | 0.57 |
| p73 | 0.56 |
| FLIP | 0.56 |
| FADD (FAS-Associated death domain-con | 0.55 |
| Cyclin D1 | 0.55 |
| p57Kip2 Ab-7 | 0.54 |
| CDC47 | 0.54 |
| Flt-1 / VEGFR1 | 0.54 |
| GAD65 | 0.54 |
| Catenin beta | 0.54 |
| Mek1 | 0.54 |
| H.Pylori | 0.53 |
| p14ARF | 0.53 |
| Cadherin, (Pan) | 0.53 |
| Nitric Oxide Synthase, endothelial (eNOS | 0.53 |
| Stat3 | 0.53 |
| Stat5b | 0.53 |
| RAIDD | 0.52 |
| DNA Primase (p49) | 0.52 |
| p19Skp1 | 0.52 |
| Stat5a | 0.51 |
| TRADD | 0.51 |
| NOS-u | 0.51 |
| DNA Primase (p58) | 0.51 |
| PDGFR, alpha | 0.51 |
| p18INK4c | 0.50 |
| DFF40 (DNA Fragmentation Factor 40) / C | 0.50 |
| c-Src | 0.50 |
| PARP | 0.50 |
| Endostatin | 0.49 |
| Cullin-1 (CUL-1) | 0.49 |
| PARP (Poly ADP-Ribose Polymerase) | 0.49 |
| XRCC2 | 0.48 |
| MyD88 | 0.48 |
| Cdk3 | 0.44 |
| MMP-23 | 0.44 |
| Cullin-2 (CUL-2) | 0.42 |
| Stat-1 | 0.42 |
| CDC34 | 0.41 |
| BRCA2 (aa 1323-1346) | 0.35 |

| | |
|---|---|
| **Min** | 1.33 |
| **Max** | 4.59 |
| **Mean** | 1.55 |

## Assay Data

| | *Median Signal* | *128* | *83* | | | | |
|---|---|---|---|---|---|---|---|
| **Protein List** | | **Average Signal of Replicate Spots** | | **Coefficient of Variation for Replicates** | | **Data Normalized to Median Signal** | |
| | | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** |
| Amyloid A4 Protein Precursor | | 214 | 80 | 0.31 | 0.12 | 1.67 | 0.96 |
| PHAS-I | | 420 | 157 | 0.20 | 0.05 | 3.28 | 1.89 |
| Lck (p56lck) | | 270 | 101 | 0.19 | 0.11 | 2.11 | 1.21 |
| CIDE-B | | 321 | 120 | 0.44 | 0.29 | 2.51 | 1.44 |
| ARC | | 380 | 142 | 0.34 | 0.16 | 2.97 | 1.70 |
| Nck | | 208 | 77 | 0.15 | 0.01 | 1.63 | 0.92 |
| p73 | | 420 | 153 | 0.38 | 0.13 | 3.28 | 1.84 |
| FLIP | | 218 | 79 | 0.43 | 0.12 | 1.70 | 0.95 |
| FADD (FAS-Associated death domain-containing Prote | | 188 | 67 | 0.34 | 0.14 | 1.47 | 0.80 |
| Cyclin D1 | | 244 | 87 | 0.13 | 0.17 | 1.91 | 1.04 |
| p57Kip2 Ab-7 | | 309 | 109 | 0.31 | 0.08 | 2.41 | 1.31 |
| CDC47 | | 279 | 98 | 0.32 | 0.01 | 2.18 | 1.18 |
| Flt-1 / VEGFR1 | | 230 | 81 | 0.18 | 0.17 | 1.80 | 0.97 |
| GAD65 | | 272 | 95 | 0.32 | 0.18 | 2.13 | 1.14 |
| Catenin beta | | 178 | 62 | 0.03 | 0.00 | 1.39 | 0.75 |
| Mek1 | | 241 | 84 | 0.06 | 0.03 | 1.88 | 1.01 |
| H.Pylori | | 185 | 64 | 0.38 | 0.20 | 1.44 | 0.77 |
| p14ARF | | 167 | 58 | 0.37 | 0.01 | 1.30 | 0.69 |
| Cadherin, (Pan) | | 231 | 80 | 0.24 | 0.13 | 1.81 | 0.96 |
| Nitric Oxide Synthase, endothelial (eNOS) | | 276 | 95 | 0.45 | 0.16 | 2.16 | 1.14 |
| Stat3 | | 226 | 78 | 0.59 | 0.05 | 1.77 | 0.93 |
| Stat5b | | 172 | 59 | 0.06 | 0.06 | 1.34 | 0.70 |
| RAIDD | | 224 | 76 | 0.40 | 0.11 | 1.75 | 0.92 |
| DNA Primase (p49) | | 195 | 66 | 0.06 | 0.04 | 1.52 | 0.80 |
| p19Skp1 | | 207 | 70 | 0.27 | 0.04 | 1.62 | 0.84 |
| Stat5a | | 225 | 75 | 0.27 | 0.02 | 1.76 | 0.90 |
| TRADD | | 225 | 75 | 0.19 | 0.13 | 1.76 | 0.90 |
| NOS-u | | 354 | 118 | 0.08 | 0.04 | 2.77 | 1.42 |
| DNA Primase (p58) | | 210 | 69 | 0.08 | 0.06 | 1.64 | 0.83 |
| PDGFR, alpha | | 265 | 87 | 0.17 | 0.03 | 2.07 | 1.05 |
| p18INK4c | | 257 | 84 | 0.07 | 0.03 | 2.01 | 1.01 |
| DFF40 (DNA Fragmentation Factor 40) / CAD | | 258 | 84 | 0.11 | 0.17 | 2.02 | 1.01 |
| c-Src | | 233 | 76 | 0.29 | 0.10 | 1.82 | 0.91 |
| PARP | | 231 | 75 | 0.06 | 0.02 | 1.81 | 0.90 |
| Endostatin | | 174 | 56 | 0.09 | 0.01 | 1.36 | 0.67 |
| Cullin-1 (CUL-1) | | 160 | 51 | 0.30 | 0.04 | 1.25 | 0.61 |
| PARP (Poly ADP-Ribose Polymerase) | | 314 | 99 | 0.48 | 0.20 | 2.46 | 1.19 |
| XRCC2 | | 211 | 66 | 0.25 | 0.06 | 1.65 | 0.80 |
| MyD88 | | 218 | 68 | 0.10 | 0.10 | 1.70 | 0.82 |
| Cdk3 | | 357 | 103 | 0.37 | 0.08 | 2.79 | 1.23 |
| MMP-23 | | 301 | 86 | 0.15 | 0.11 | 2.35 | 1.03 |
| Cullin-2 (CUL-2) | | 213 | 58 | 0.48 | 0.02 | 1.67 | 0.70 |
| Stat-1 | | 414 | 112 | 0.20 | 0.14 | 3.24 | 1.35 |
| CDC34 | | 254 | 68 | 0.41 | 0.03 | 1.99 | 0.81 |
| BRCA2 (aa 1323-1346) | | 275 | 62 | 0.31 | 0.07 | 2.15 | 0.75 |

# Appendix E

# Signaling

## Antibody Array Assay Results

**Signaling Explorer Antibody Array**

| **Protein List** | **Fold Change between Samples**<br>**Smaller Sample/Bigger Sample** |
|---|---|
| Tubulin alpha | 4.41 |
| BAD | 2.15 |
| GAD1 | 1.91 |
| MAP4K4 | 1.88 |
| p42 MAPK | 1.87 |
| Caveolin-1 | 1.73 |
| CDH9 | 1.67 |
| TNFA | 1.63 |
| SND1/P100 | 1.63 |
| CA 15-3 | 1.58 |
| Keratin 15 | 1.58 |
| NYREN18 | 1.57 |
| SP3/4 | 1.57 |
| KCNMB2 | 1.56 |
| CDH24 | 1.55 |
| CEA | 1.55 |
| CMC1 | 1.53 |
| Retinoic Acid Receptor beta | 1.53 |
| Claudin 5 | 1.53 |
| Cytochrome b561 D1 | 1.52 |
| MMP-10 | 1.52 |
| mGluR2/3 | 1.51 |
| IgG | 1.51 |
| GRB14 | 1.51 |
| GRTP1 | 1.50 |
| mGluR4 | 1.49 |
| Actin-alpha-1 | 1.47 |
| STAT3 | 1.47 |
| LPA | 1.47 |
| GAD1/2 | 1.46 |
| TNF Receptor II | 1.45 |
| iNOS | 1.44 |
| RIT1 | 1.43 |
| Actin-gamma2 | 1.43 |
| KIF4A | 1.42 |
| ARSI | 1.41 |
| Desmin | 1.41 |
| Beta-Actin | 1.40 |
| UBR1 | 1.40 |
| Thrombin Receptor | 1.39 |
| CD40 | 1.39 |
| TP53INP1 | 1.39 |
| AKT2 | 1.39 |
| CDYL2 | 1.38 |
| MAGE-1 | 1.38 |
| BCL-10 | 1.37 |
| ABCD1 | 1.37 |
| PIP5K1C | 1.37 |
| Heregulin | 1.37 |
| HDAC5 | 1.37 |

## Assay Data

| | *Median Signal* | *283* | *225* | | | | |
|---|---|---|---|---|---|---|---|
| **Protein List** | | **Average Signal of Replicate Spots** | | **Coefficient of Variation for Replicates** | | **Data Normalized to Median Signal** | |
| | | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** |
| Tubulin alpha | | 2453 | 8594 | 0.04 | 0.47 | 8.67 | 38.24 |
| BAD | | 1315 | 2247 | 0.21 | 0.50 | 4.65 | 10.00 |
| GAD1 | | 1756 | 2666 | 0.13 | 0.04 | 6.20 | 11.86 |
| MAP4K4 | | 849 | 1268 | 0.45 | 0.01 | 3.00 | 5.64 |
| p42 MAPK | | 5165 | 7674 | 0.41 | 0.32 | 18.25 | 34.14 |
| Caveolin-1 | | 2848 | 3910 | 0.08 | 0.25 | 10.06 | 17.39 |
| CDH9 | | 4784 | 6330 | 0.58 | 0.75 | 16.90 | 28.16 |
| TNFA | | 2503 | 3249 | 0.01 | 0.06 | 8.84 | 14.46 |
| SND1/P100 | | 2801 | 3633 | 0.01 | 0.17 | 9.90 | 16.16 |
| CA 15-3 | | 516 | 648 | 0.27 | 0.02 | 1.82 | 2.88 |
| Keratin 15 | | 2304 | 2884 | 0.01 | 0.04 | 8.14 | 12.83 |
| NYREN18 | | 203 | 253 | 0.41 | 0.08 | 0.72 | 1.13 |
| SP3/4 | | 1299 | 1622 | 0.15 | 0.01 | 4.59 | 7.22 |
| KCNMB2 | | 4242 | 5261 | 0.05 | 0.04 | 14.99 | 23.41 |
| CDH24 | | 9045 | 11150 | 0.08 | 0.12 | 31.96 | 49.61 |
| CEA | | 328 | 403 | 0.05 | 0.08 | 1.16 | 1.79 |
| CMC1 | | 1311 | 1596 | 0.06 | 0.04 | 4.63 | 7.10 |
| Retinoic Acid Receptor beta | | 1367 | 1662 | 0.01 | 0.05 | 4.83 | 7.39 |
| Claudin 5 | | 5219 | 6339 | 0.00 | 0.12 | 18.44 | 28.20 |
| Cytochrome b561 D1 | | 17291 | 20861 | 0.04 | 0.06 | 61.10 | 92.82 |
| MMP-10 | | 2050 | 2468 | 0.04 | 0.08 | 7.24 | 10.98 |
| mGluR2/3 | | 2648 | 3184 | 0.07 | 0.05 | 9.36 | 14.16 |
| IgG | | 53652 | 64397 | 0.10 | 0.02 | 189.58 | 286.53 |
| GRB14 | | 13254 | 15852 | 0.05 | 0.02 | 46.83 | 70.53 |
| GRTP1 | | 1155 | 1372 | 0.05 | 0.01 | 4.08 | 6.10 |
| mGluR4 | | 1387 | 1637 | 0.07 | 0.10 | 4.90 | 7.28 |
| Actin-alpha-1 | | 10264 | 11984 | 0.09 | 0.05 | 36.27 | 53.32 |
| STAT3 | | 263 | 307 | 0.41 | 0.22 | 0.93 | 1.36 |
| LPA | | 267 | 311 | 0.05 | 0.04 | 0.94 | 1.38 |
| GAD1/2 | | 2230 | 2578 | 0.05 | 0.03 | 7.88 | 11.47 |
| TNF Receptor II | | 1461 | 1680 | 0.08 | 0.07 | 5.16 | 7.47 |
| iNOS | | 1275 | 1456 | 0.14 | 0.08 | 4.50 | 6.48 |
| RIT1 | | 1861 | 2117 | 0.13 | 0.10 | 6.57 | 9.42 |
| Actin-gamma2 | | 839 | 954 | 0.07 | 0.10 | 2.96 | 4.24 |
| KIF4A | | 1486 | 1675 | 0.09 | 0.08 | 5.25 | 7.45 |
| ARSI | | 7206 | 8095 | 0.03 | 0.16 | 25.46 | 36.02 |
| Desmin | | 13560 | 15175 | 0.26 | 0.42 | 47.92 | 67.52 |
| Beta-Actin | | 2110 | 2342 | 0.05 | 0.06 | 7.46 | 10.42 |
| UBR1 | | 1665 | 1847 | 0.03 | 0.05 | 5.88 | 8.22 |
| Thrombin Receptor | | 2550 | 2825 | 0.07 | 0.02 | 9.01 | 12.57 |
| CD40 | | 785 | 870 | 0.02 | 0.00 | 2.77 | 3.87 |
| TP53INP1 | | 2418 | 2664 | 0.08 | 0.13 | 8.54 | 11.85 |
| AKT2 | | 188 | 207 | 0.16 | 0.11 | 0.66 | 0.92 |
| CDYL2 | | 1128 | 1238 | 0.05 | 0.01 | 3.99 | 5.51 |
| MAGE-1 | | 1021 | 1118 | 0.05 | 0.11 | 3.61 | 4.97 |
| BCL-10 | | 765 | 834 | 0.20 | 0.20 | 2.70 | 3.71 |
| ABCD1 | | 3413 | 3719 | 0.08 | 0.07 | 12.06 | 16.55 |
| PIP5K1C | | 647 | 704 | 0.03 | 0.03 | 2.28 | 3.13 |
| Heregulin | | 396 | 430 | 0.13 | 0.12 | 1.40 | 1.91 |
| HDAC5 | | 567 | 616 | 0.13 | 0.11 | 2.00 | 2.74 |

## Antibody Array Assay Results

**Signaling Explorer Antibody Array**

## Assay Data

*Median Signal* 283 225

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| RCBTB1 | 1.36 | RCBTB1 | 1117 | 1209 | 0.11 | 0.04 | 3.95 | 5.38 |
| Claudin 3 | 1.36 | Claudin 3 | 2312 | 2495 | 0.07 | 0.04 | 8.17 | 11.10 |
| HSP105 | 1.35 | HSP105 | 857 | 918 | 0.08 | 0.03 | 3.03 | 4.08 |
| GLUT1 | 1.35 | GLUT1 | 1375 | 1473 | 0.04 | 0.10 | 4.86 | 6.55 |
| ACTR-1C | 1.34 | ACTR-1C | 1701 | 1811 | 0.11 | 0.28 | 6.01 | 8.06 |
| VEGFB | 1.34 | VEGFB | 1088 | 1155 | 0.11 | 0.18 | 3.84 | 5.14 |
| MYLIP | 1.34 | MYLIP | 2509 | 2663 | 0.15 | 0.12 | 8.87 | 11.85 |
| GADD45 beta | 1.33 | GADD45 beta | 1310 | 1388 | 0.10 | 0.10 | 4.63 | 6.18 |
| MTA1 | 1.33 | MTA1 | 940 | 994 | 0.08 | 0.09 | 3.32 | 4.42 |
| ARC | 1.33 | ARC | 5210 | 5498 | 0.06 | 0.05 | 18.41 | 24.46 |
| ARFIP1 | 1.32 | ARFIP1 | 6420 | 6754 | 0.14 | 0.01 | 22.69 | 30.05 |
| CSF2 (GM-CSF) | 1.32 | CSF2 (GM-CSF) | 265 | 278 | 0.08 | 0.36 | 0.93 | 1.23 |
| BAGE2 | 1.32 | BAGE2 | 773 | 810 | 0.06 | 0.22 | 2.73 | 3.60 |
| ORAV1 | 1.32 | ORAV1 | 2248 | 2353 | 0.03 | 0.04 | 7.94 | 10.47 |
| GRP75 | 1.31 | GRP75 | 275 | 287 | 0.15 | 0.22 | 0.97 | 1.28 |
| GPRIN2 | 1.31 | GPRIN2 | 1367 | 1424 | 0.08 | 0.05 | 4.83 | 6.34 |
| Thyroid Hormone Receptor alpha | 1.31 | Thyroid Hormone Receptor alpha | 526 | 547 | 0.07 | 0.05 | 1.86 | 2.43 |
| DP-1 | 1.31 | DP-1 | 1807 | 1877 | 0.01 | 0.06 | 6.38 | 8.35 |
| GNPAT | 1.31 | GNPAT | 1053 | 1092 | 0.10 | 0.26 | 3.72 | 4.86 |
| CDK7 | 1.30 | CDK7 | 314 | 325 | 0.03 | 0.06 | 1.11 | 1.45 |
| Actin-pan | 1.30 | Actin-pan | 3203 | 3312 | 0.05 | 0.03 | 11.32 | 14.74 |
| Angiopoietin-2 | 1.30 | Angiopoietin-2 | 116 | 120 | 0.26 | 0.05 | 0.41 | 0.53 |
| CAGE1 | 1.30 | CAGE1 | 187 | 192 | 0.00 | 0.01 | 0.66 | 0.85 |
| Galectin 3 | 1.30 | Galectin 3 | 673 | 692 | 0.01 | 0.06 | 2.38 | 3.08 |
| HSP90A | 1.29 | HSP90A | 9403 | 9642 | 0.28 | 0.11 | 33.23 | 42.90 |
| MMP-9 | 1.29 | MMP-9 | 198 | 203 | 0.10 | 0.08 | 0.70 | 0.90 |
| Testosterone | 1.29 | Testosterone | 63928 | 65535 | 0.04 | 0.00 | 225.89 | 291.59 |
| KITH | 1.29 | KITH | 184 | 189 | 0.10 | 0.06 | 0.65 | 0.84 |
| FGFR1 Oncogene Partner | 1.29 | FGFR1 Oncogene Partner | 441 | 452 | 0.07 | 0.08 | 1.56 | 2.01 |
| Ik3-2 | 1.29 | Ik3-2 | 364 | 372 | 0.00 | 0.05 | 1.29 | 1.65 |
| SRPK1 | 1.28 | SRPK1 | 622 | 634 | 0.07 | 0.08 | 2.20 | 2.82 |
| Lamin A (Cleaved-Asp230) | 1.28 | Lamin A (Cleaved-Asp230) | 960 | 978 | 0.01 | 0.08 | 3.39 | 4.35 |
| CREB-BP | 1.28 | CREB-BP | 641 | 650 | 0.02 | 0.28 | 2.26 | 2.89 |
| KCNJ2 | 1.27 | KCNJ2 | 411 | 416 | 0.07 | 0.01 | 1.45 | 1.85 |
| CATD (heavy chain,Cleaved-Leu169) | 1.27 | CATD (heavy chain,Cleaved-Leu169) | 2159 | 2184 | 0.07 | 0.21 | 7.63 | 9.72 |
| IP3KC | 1.27 | IP3KC | 1023 | 1033 | 0.11 | 0.00 | 3.61 | 4.60 |
| CD80 | 1.27 | CD80 | 1448 | 1462 | 0.12 | 0.02 | 5.11 | 6.50 |
| COX1 | 1.27 | COX1 | 1366 | 1379 | 0.01 | 0.03 | 4.83 | 6.13 |
| MASP1 (heavy chain,Cleaved-Arg448) | 1.27 | MASP1 (heavy chain,Cleaved-Arg448) | 330 | 333 | 0.04 | 0.01 | 1.16 | 1.48 |
| Collagen alpha1 XVIII | 1.27 | Collagen alpha1 XVIII | 1610 | 1623 | 0.01 | 0.09 | 5.69 | 7.22 |
| TGF beta Receptor III | 1.26 | TGF beta Receptor III | 496 | 498 | 0.01 | 0.14 | 1.75 | 2.21 |
| RAB11FIP4 | 1.26 | RAB11FIP4 | 1126 | 1130 | 0.12 | 0.04 | 3.98 | 5.03 |
| Catenin-alpha1 | 1.26 | Catenin-alpha1 | 756 | 759 | 0.10 | 0.04 | 2.67 | 3.38 |
| Pax-5 | 1.26 | Pax-5 | 2647 | 2658 | 0.06 | 0.15 | 9.35 | 11.82 |
| Patched | 1.26 | Patched | 2038 | 2046 | 0.02 | 0.07 | 7.20 | 9.10 |
| UBE1L | 1.26 | UBE1L | 442 | 442 | 0.16 | 0.07 | 1.56 | 1.97 |
| INSL4 | 1.26 | INSL4 | 265 | 265 | 0.03 | 0.12 | 0.93 | 1.18 |
| REN | 1.26 | REN | 1108 | 1107 | 0.05 | 0.01 | 3.91 | 4.92 |
| MAP3K10 | 1.26 | MAP3K10 | 208 | 207 | 0.09 | 0.02 | 0.73 | 0.92 |
| PLD4 | 1.26 | PLD4 | 395 | 394 | 0.02 | 0.06 | 1.39 | 1.75 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* 283 225

| **Protein List** | **Fold Change between Samples** | **Protein List** | **Average Signal of Replicate Spots** | | **Coefficient of Variation for Replicates** | | **Data Normalized to Median Signal** | |
|---|---|---|---|---|---|---|---|---|
| | **Smaller Sample/Bigger Sample** | | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** |
| Catenin-beta 1 | 1.25 | Catenin-beta 1 | 242 | 241 | 0.06 | 0.16 | 0.85 | 1.07 |
| MAPK 11 | 1.25 | MAPK 11 | 5705 | 5669 | 0.05 | 0.07 | 20.16 | 25.22 |
| NFYC | 1.25 | NFYC | 835 | 829 | 0.02 | 0.00 | 2.95 | 3.69 |
| C-Kit | 1.25 | C-Kit | 575 | 570 | 0.05 | 0.05 | 2.03 | 2.53 |
| KCNA1 | 1.25 | KCNA1 | 668 | 661 | 0.06 | 0.00 | 2.36 | 2.94 |
| TUBGCP3 | 1.24 | TUBGCP3 | 631 | 624 | 0.17 | 0.02 | 2.23 | 2.77 |
| AIRE | 1.24 | AIRE | 736 | 725 | 0.03 | 0.08 | 2.60 | 3.23 |
| Tubulin beta | 1.24 | Tubulin beta | 474 | 465 | 0.08 | 0.18 | 1.67 | 2.07 |
| SLC27A5 | 1.23 | SLC27A5 | 370 | 363 | 0.05 | 0.01 | 1.31 | 1.61 |
| XRCC6 | 1.23 | XRCC6 | 247 | 242 | 0.17 | 0.08 | 0.87 | 1.07 |
| TGF beta2 | 1.23 | TGF beta2 | 443 | 433 | 0.03 | 0.02 | 1.56 | 1.92 |
| SERPINB9 | 1.23 | SERPINB9 | 199 | 195 | 0.06 | 0.03 | 0.70 | 0.87 |
| MAT1 | 1.23 | MAT1 | 461 | 450 | 0.06 | 0.08 | 1.63 | 2.00 |
| TRXR2 | 1.23 | TRXR2 | 702 | 685 | 0.07 | 0.06 | 2.48 | 3.05 |
| Tubulin gamma | 1.23 | Tubulin gamma | 454 | 442 | 0.02 | 0.08 | 1.60 | 1.97 |
| EMR3 | 1.23 | EMR3 | 1221 | 1189 | 0.03 | 0.10 | 4.31 | 5.29 |
| MAP3K4 | 1.23 | MAP3K4 | 188 | 183 | 0.04 | 0.06 | 0.66 | 0.81 |
| ACAD10 | 1.23 | ACAD10 | 317 | 308 | 0.06 | 0.19 | 1.12 | 1.37 |
| Notch 1 (Cleaved-Val1754) | 1.23 | Notch 1 (Cleaved-Val1754) | 408 | 397 | 0.05 | 0.01 | 1.44 | 1.77 |
| FAS | 1.22 | FAS | 306 | 297 | 0.12 | 0.03 | 1.08 | 1.32 |
| APC6 | 1.22 | APC6 | 410 | 399 | 0.01 | 0.09 | 1.45 | 1.77 |
| p73 | 1.22 | p73 | 327 | 317 | 0.09 | 0.12 | 1.16 | 1.41 |
| NKX3.1 | 1.22 | NKX3.1 | 419 | 405 | 0.06 | 0.02 | 1.48 | 1.80 |
| GAS6 | 1.22 | GAS6 | 371 | 359 | 0.06 | 0.01 | 1.31 | 1.60 |
| NCoR1 | 1.22 | NCoR1 | 288 | 279 | 0.16 | 0.13 | 1.02 | 1.24 |
| 14-3-3 theta | 1.22 | 14-3-3 theta | 398 | 384 | 0.03 | 0.05 | 1.40 | 1.71 |
| IgA | 1.21 | IgA | 1040 | 1003 | 0.42 | 0.44 | 3.67 | 4.46 |
| Survivin | 1.21 | Survivin | 169 | 163 | 0.01 | 0.06 | 0.60 | 0.72 |
| NM23 | 1.21 | NM23 | 600 | 578 | 0.02 | 0.00 | 2.12 | 2.57 |
| CD302 | 1.21 | CD302 | 337 | 324 | 0.01 | 0.03 | 1.19 | 1.44 |
| GPR151 | 1.21 | GPR151 | 2754 | 2651 | 0.07 | 0.07 | 9.73 | 11.80 |
| TIMP3 | 1.21 | TIMP3 | 261 | 251 | 0.06 | 0.17 | 0.92 | 1.11 |
| CSF-1 (MCSF) | 1.21 | CSF-1 (MCSF) | 180 | 173 | 0.06 | 0.05 | 0.63 | 0.77 |
| GFR alpha-1 | 1.21 | GFR alpha-1 | 221 | 212 | 0.04 | 0.16 | 0.78 | 0.94 |
| IRF4 | 1.21 | IRF4 | 312 | 299 | 0.11 | 0.04 | 1.10 | 1.33 |
| CIDEB | 1.21 | CIDEB | 351 | 336 | 0.02 | 0.07 | 1.24 | 1.49 |
| TIMP4 | 1.20 | TIMP4 | 254 | 243 | 0.08 | 0.08 | 0.90 | 1.08 |
| PLK5 | 1.20 | PLK5 | 655 | 627 | 0.01 | 0.11 | 2.31 | 2.79 |
| Tyrosinase | 1.20 | Tyrosinase | 207 | 198 | 0.00 | 0.10 | 0.73 | 0.88 |
| JAB1 | 1.20 | JAB1 | 387 | 370 | 0.12 | 0.09 | 1.37 | 1.64 |
| TUBGCP6 | 1.20 | TUBGCP6 | 371 | 354 | 0.01 | 0.09 | 1.31 | 1.57 |
| SLC27A4 | 1.20 | SLC27A4 | 203 | 194 | 0.03 | 0.05 | 0.72 | 0.86 |
| ADCK2 | 1.20 | ADCK2 | 661 | 630 | 0.03 | 0.12 | 2.34 | 2.80 |
| Fibronectin | 1.20 | Fibronectin | 964 | 918 | 0.14 | 0.16 | 3.40 | 4.08 |
| FAS ligand | 1.20 | FAS ligand | 533 | 508 | 0.06 | 0.13 | 1.88 | 2.26 |
| Histone H2B (Acetyl-Lys15) | 1.20 | Histone H2B (Acetyl-Lys15) | 209 | 199 | 0.04 | 0.14 | 0.74 | 0.88 |
| FGF22 | 1.20 | FGF22 | 1111 | 1058 | 0.11 | 0.20 | 3.93 | 4.71 |
| IKB alpha | 1.20 | IKB alpha | 770 | 731 | 0.14 | 0.08 | 2.72 | 3.25 |
| SLC6A16 | 1.20 | SLC6A16 | 698 | 662 | 0.06 | 0.08 | 2.46 | 2.95 |
| CHKB | 1.19 | CHKB | 302 | 287 | 0.25 | 0.09 | 1.07 | 1.27 |
| Cytochrome P450 2B6 | 1.19 | Cytochrome P450 2B6 | 778 | 738 | 0.09 | 0.17 | 2.75 | 3.28 |
| PKCB1 | 1.19 | PKCB1 | 399 | 378 | 0.09 | 0.01 | 1.41 | 1.68 |
| GRP78 | 1.19 | GRP78 | 520 | 493 | 0.11 | 0.21 | 1.84 | 2.19 |
| Mammaglobin | 1.19 | Mammaglobin | 245 | 232 | 0.06 | 0.09 | 0.87 | 1.03 |
| NCK2 | 1.19 | NCK2 | 290 | 275 | 0.03 | 0.11 | 1.02 | 1.22 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* *283* *225*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| Claudin 2 | 1.19 | Claudin 2 | 516 | 488 | 0.02 | 0.37 | 1.82 | 2.17 |
| FGFR2 | 1.19 | FGFR2 | 278 | 263 | 0.09 | 0.05 | 0.98 | 1.17 |
| mGluR6 | 1.19 | mGluR6 | 250 | 236 | 0.09 | 0.06 | 0.88 | 1.05 |
| Keratin 5 | 1.19 | Keratin 5 | 285 | 269 | 0.08 | 0.08 | 1.01 | 1.19 |
| PSA-ACT | 1.19 | PSA-ACT | 628 | 592 | 0.00 | 0.18 | 2.22 | 2.63 |
| human Albumin | 1.19 | human Albumin | 5646 | 5317 | 0.27 | 0.28 | 19.95 | 23.66 |
| DMGDH | 1.19 | DMGDH | 729 | 687 | 0.05 | 0.04 | 2.58 | 3.05 |
| TLE2 | 1.19 | TLE2 | 299 | 281 | 0.16 | 0.26 | 1.05 | 1.25 |
| NSE | 1.18 | NSE | 270 | 254 | 0.02 | 0.04 | 0.95 | 1.13 |
| SENP2 | 1.18 | SENP2 | 388 | 365 | 0.01 | 0.01 | 1.37 | 1.62 |
| Fibrillin-1 | 1.18 | Fibrillin-1 | 327 | 308 | 0.05 | 0.08 | 1.16 | 1.37 |
| Synuclein gamma | 1.18 | Synuclein gamma | 400 | 376 | 0.01 | 0.01 | 1.41 | 1.67 |
| CIB3 | 1.18 | CIB3 | 194 | 182 | 0.10 | 0.02 | 0.69 | 0.81 |
| Bax | 1.18 | Bax | 751 | 705 | 0.09 | 0.06 | 2.65 | 3.13 |
| TIMP1 | 1.18 | TIMP1 | 742 | 696 | 0.05 | 0.02 | 2.62 | 3.09 |
| INHA (Inhibin alpha) | 1.18 | INHA (Inhibin alpha) | 168 | 157 | 0.07 | 0.18 | 0.59 | 0.70 |
| SYK | 1.18 | SYK | 355 | 333 | 0.07 | 0.01 | 1.25 | 1.48 |
| IGFBP2 | 1.18 | IGFBP2 | 213 | 199 | 0.14 | 0.05 | 0.75 | 0.89 |
| mGluR8 | 1.18 | mGluR8 | 301 | 281 | 0.13 | 0.13 | 1.06 | 1.25 |
| ALCAM | 1.18 | ALCAM | 225 | 210 | 0.06 | 0.06 | 0.79 | 0.93 |
| CLIP1 | 1.17 | CLIP1 | 1264 | 1180 | 0.03 | 0.05 | 4.47 | 5.25 |
| XRCC5 | 1.17 | XRCC5 | 287 | 268 | 0.10 | 0.07 | 1.01 | 1.19 |
| Cullin 2 | 1.17 | Cullin 2 | 791 | 737 | 0.02 | 0.06 | 2.80 | 3.28 |
| GLUT3 | 1.17 | GLUT3 | 290 | 270 | 0.06 | 0.07 | 1.02 | 1.20 |
| RAB3GAP2 | 1.17 | RAB3GAP2 | 216 | 201 | 0.04 | 0.17 | 0.76 | 0.89 |
| MMP-11 | 1.17 | MMP-11 | 494 | 460 | 0.00 | 0.12 | 1.75 | 2.04 |
| Prolactin | 1.17 | Prolactin | 299 | 278 | 0.06 | 0.02 | 1.05 | 1.23 |
| CLDN6 | 1.17 | CLDN6 | 837 | 778 | 0.02 | 0.01 | 2.96 | 3.46 |
| CNTROB | 1.17 | CNTROB | 253 | 235 | 0.10 | 0.08 | 0.89 | 1.05 |
| XRCC3 | 1.17 | XRCC3 | 316 | 294 | 0.11 | 0.07 | 1.12 | 1.31 |
| Potassium Channel Kv3.2b | 1.17 | Potassium Channel Kv3.2b | 644 | 598 | 0.14 | 0.01 | 2.27 | 2.66 |
| ST5 | 1.17 | ST5 | 286 | 265 | 0.02 | 0.02 | 1.01 | 1.18 |
| TP53I11 | 1.17 | TP53I11 | 341 | 317 | 0.02 | 0.06 | 1.20 | 1.41 |
| PDGFB | 1.17 | PDGFB | 333 | 309 | 0.00 | 0.03 | 1.17 | 1.37 |
| EFNA3 | 1.17 | EFNA3 | 745 | 691 | 0.15 | 0.09 | 2.63 | 3.07 |
| MLH3 | 1.17 | MLH3 | 275 | 255 | 0.14 | 0.03 | 0.97 | 1.13 |
| CD37 | 1.17 | CD37 | 1388 | 1287 | 0.36 | 0.11 | 4.90 | 5.72 |
| TNF Receptor I | 1.17 | TNF Receptor I | 253 | 234 | 0.06 | 0.06 | 0.89 | 1.04 |
| ADCK5 | 1.17 | ADCK5 | 195 | 181 | 0.06 | 0.29 | 0.69 | 0.80 |
| GAS1 | 1.17 | GAS1 | 443 | 410 | 0.02 | 0.04 | 1.57 | 1.82 |
| JM4 | 1.16 | JM4 | 326 | 301 | 0.12 | 0.11 | 1.15 | 1.34 |
| WNT 10B | 1.16 | WNT 10B | 138 | 128 | 0.04 | 0.08 | 0.49 | 0.57 |
| ZP4 | 1.16 | ZP4 | 656 | 606 | 0.01 | 0.02 | 2.32 | 2.69 |
| MMP-2 | 1.16 | MMP-2 | 1154 | 1066 | 0.09 | 0.07 | 4.08 | 4.74 |
| TUSC5 | 1.16 | TUSC5 | 193 | 178 | 0.07 | 0.06 | 0.68 | 0.79 |
| GRK7 | 1.16 | GRK7 | 424 | 391 | 0.07 | 0.02 | 1.50 | 1.74 |
| FKBPL | 1.16 | FKBPL | 867 | 800 | 0.10 | 0.05 | 3.06 | 3.56 |
| RASSF4 | 1.16 | RASSF4 | 218 | 201 | 0.03 | 0.14 | 0.77 | 0.89 |
| Catenin-gamma | 1.16 | Catenin-gamma | 1099 | 1012 | 0.01 | 0.08 | 3.88 | 4.50 |
| beta-2-Microglobulin | 1.16 | beta-2-Microglobulin | 3715 | 3419 | 0.07 | 0.15 | 13.13 | 15.21 |
| CDH18 | 1.16 | CDH18 | 251 | 231 | 0.04 | 0.08 | 0.89 | 1.03 |
| AOS1 | 1.16 | AOS1 | 406 | 374 | 0.02 | 0.03 | 1.43 | 1.66 |
| MMP-7 | 1.16 | MMP-7 | 381 | 350 | 0.12 | 0.11 | 1.34 | 1.56 |
| GRP94 | 1.16 | GRP94 | 281 | 258 | 0.03 | 0.09 | 0.99 | 1.15 |
| Myostatin | 1.16 | Myostatin | 261 | 240 | 0.04 | 0.07 | 0.92 | 1.07 |

## Antibody Array Assay Results

**Signaling Explorer Antibody Array**

| Protein List | Fold Change between Samples |
|---|---|
| | Smaller Sample/Bigger Sample |
| Synaptophysin | 1.16 |
| KCNK17 | 1.16 |
| USP30 | 1.16 |
| RAB6C | 1.16 |
| SENP5 | 1.16 |
| TOP2B | 1.16 |
| MMP23 (Cleaved-Tyr79) | 1.15 |
| RAB40B | 1.15 |
| FOXN4 | 1.15 |
| HSPB2 | 1.15 |
| Pirh2 (RCHY1) | 1.15 |
| Mammaglobin B | 1.15 |
| TUBB3 (Tubulin beta 3) | 1.15 |
| Sodium Channel-pan | 1.15 |
| cAMP | 1.15 |
| GPR132 | 1.15 |
| MMP-19 | 1.15 |
| GANP | 1.15 |
| CHP2 | 1.15 |
| Cyclin L1 | 1.15 |
| Collagen II | 1.15 |
| MAP2K6 | 1.14 |
| MPS1 | 1.14 |
| SENP7 | 1.14 |
| SRY | 1.14 |
| DGKD | 1.14 |
| ACOT2 | 1.14 |
| XRCC2 | 1.14 |
| Claudin 11 | 1.14 |
| ERAS | 1.14 |
| MMP-14 | 1.14 |
| Sirp alpha1 | 1.14 |
| S6K | 1.14 |
| Nrf2 | 1.14 |
| FOXR1 | 1.14 |
| TPD54 | 1.14 |
| p50 CDC37 | 1.14 |
| ATP5S | 1.14 |
| GluR5 | 1.14 |
| ERF | 1.14 |
| Vimentin | 1.14 |
| LDLRAD1 | 1.14 |
| IP6K2 | 1.14 |
| FAKD2 | 1.14 |
| p44/42 MAPK | 1.14 |
| MAP3K1 | 1.14 |
| 60S Ribosomal Protein L10 | 1.14 |
| WNT1 | 1.13 |
| MARK | 1.13 |
| PARL | 1.13 |
| p44 MAPK | 1.13 |
| Lys-acetylated proteins | 1.13 |
| Cyclosome 1 | 1.13 |
| Sumo1 | 1.13 |
| Ki67 | 1.13 |

## Assay Data

*Median Signal* *283* *225*

| Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|
| | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| Synaptophysin | 267 | 245 | 0.13 | 0.04 | 0.94 | 1.09 |
| KCNK17 | 490 | 450 | 0.02 | 0.01 | 1.73 | 2.00 |
| USP30 | 173 | 159 | 0.34 | 0.32 | 0.61 | 0.71 |
| RAB6C | 195 | 179 | 0.11 | 0.16 | 0.69 | 0.79 |
| SENP5 | 237 | 217 | 0.07 | 0.04 | 0.84 | 0.97 |
| TOP2B | 255 | 234 | 0.05 | 0.08 | 0.90 | 1.04 |
| MMP23 (Cleaved-Tyr79) | 2300 | 2109 | 0.02 | 0.01 | 8.13 | 9.38 |
| RAB40B | 403 | 370 | 0.16 | 0.20 | 1.42 | 1.64 |
| FOXN4 | 304 | 279 | 0.01 | 0.02 | 1.07 | 1.24 |
| HSPB2 | 262 | 240 | 0.04 | 0.21 | 0.93 | 1.07 |
| Pirh2 (RCHY1) | 154 | 141 | 0.03 | 0.03 | 0.54 | 0.63 |
| Mammaglobin B | 484 | 443 | 0.07 | 0.14 | 1.71 | 1.97 |
| TUBB3 (Tubulin beta 3) | 444 | 406 | 0.06 | 0.08 | 1.57 | 1.80 |
| Sodium Channel-pan | 260 | 238 | 0.11 | 0.01 | 0.92 | 1.06 |
| cAMP | 293 | 267 | 0.01 | 0.22 | 1.03 | 1.19 |
| GPR132 | 338 | 309 | 0.03 | 0.22 | 1.19 | 1.37 |
| MMP-19 | 463 | 423 | 0.13 | 0.02 | 1.64 | 1.88 |
| GANP | 229 | 209 | 0.02 | 0.06 | 0.81 | 0.93 |
| CHP2 | 227 | 207 | 0.06 | 0.05 | 0.80 | 0.92 |
| Cyclin L1 | 182 | 166 | 0.10 | 0.06 | 0.64 | 0.74 |
| Collagen II | 400 | 364 | 0.07 | 0.04 | 1.41 | 1.62 |
| MAP2K6 | 303 | 276 | 0.08 | 0.09 | 1.07 | 1.23 |
| MPS1 | 1014 | 922 | 0.05 | 0.03 | 3.58 | 4.10 |
| SENP7 | 290 | 264 | 0.03 | 0.08 | 1.02 | 1.17 |
| SRY | 312 | 283 | 0.06 | 0.14 | 1.10 | 1.26 |
| DGKD | 224 | 204 | 0.03 | 0.09 | 0.79 | 0.91 |
| ACOT2 | 136 | 124 | 0.04 | 0.05 | 0.48 | 0.55 |
| XRCC2 | 256 | 232 | 0.07 | 0.13 | 0.90 | 1.03 |
| Claudin 11 | 1240 | 1125 | 0.03 | 0.07 | 4.38 | 5.01 |
| ERAS | 375 | 340 | 0.17 | 0.11 | 1.33 | 1.51 |
| MMP-14 | 236 | 214 | 0.05 | 0.04 | 0.83 | 0.95 |
| Sirp alpha1 | 214 | 194 | 0.07 | 0.03 | 0.76 | 0.86 |
| S6K | 428 | 388 | 0.06 | 0.21 | 1.51 | 1.72 |
| Nrf2 | 255 | 231 | 0.03 | 0.09 | 0.90 | 1.03 |
| FOXR1 | 217 | 197 | 0.09 | 0.04 | 0.77 | 0.87 |
| TPD54 | 281 | 254 | 0.06 | 0.07 | 0.99 | 1.13 |
| p50 CDC37 | 206 | 187 | 0.01 | 0.03 | 0.73 | 0.83 |
| ATP5S | 248 | 225 | 0.19 | 0.01 | 0.88 | 1.00 |
| GluR5 | 311 | 282 | 0.03 | 0.12 | 1.10 | 1.25 |
| ERF | 257 | 233 | 0.13 | 0.00 | 0.91 | 1.03 |
| Vimentin | 236 | 213 | 0.15 | 0.09 | 0.83 | 0.95 |
| LDLRAD1 | 173 | 156 | 0.06 | 0.05 | 0.61 | 0.69 |
| IP6K2 | 172 | 155 | 0.04 | 0.06 | 0.61 | 0.69 |
| FAKD2 | 166 | 150 | 0.06 | 0.03 | 0.59 | 0.67 |
| p44/42 MAPK | 448 | 404 | 0.16 | 0.01 | 1.58 | 1.80 |
| MAP3K1 | 226 | 204 | 0.07 | 0.01 | 0.80 | 0.91 |
| 60S Ribosomal Protein L10 | 281 | 254 | 0.00 | 0.10 | 0.99 | 1.13 |
| WNT1 | 339 | 305 | 0.07 | 0.11 | 1.20 | 1.36 |
| MARK | 229 | 206 | 0.10 | 0.05 | 0.81 | 0.92 |
| PARL | 214 | 192 | 0.07 | 0.07 | 0.75 | 0.85 |
| p44 MAPK | 343 | 308 | 0.25 | 0.07 | 1.21 | 1.37 |
| Lys-acetylated proteins | 243 | 218 | 0.04 | 0.12 | 0.86 | 0.97 |
| Cyclosome 1 | 495 | 445 | 0.08 | 0.02 | 1.75 | 1.98 |
| Sumo1 | 333 | 299 | 0.10 | 0.10 | 1.18 | 1.33 |
| Ki67 | 273 | 245 | 0.14 | 0.00 | 0.96 | 1.09 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

| | | *Median Signal* | *283* | *225* | | | | |
|---|---|---|---|---|---|---|---|---|
| **Protein List** | **Fold Change between Samples** | **Protein List** | **Average Signal of Replicate Spots** | | **Coefficient of Variation for Replicates** | | **Data Normalized to Median Signal** | |
| | **Smaller Sample/Bigger Sample** | | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** |
| Glucagon | 1.13 | Glucagon | 281 | 252 | 0.11 | 0.07 | 0.99 | 1.12 |
| SERC1 | 1.13 | SERC1 | 164 | 147 | 0.07 | 0.04 | 0.58 | 0.65 |
| Proteinase 3 | 1.13 | Proteinase 3 | 120 | 108 | 0.01 | 0.01 | 0.42 | 0.48 |
| Septin-7 | 1.13 | Septin-7 | 206 | 185 | 0.16 | 0.03 | 0.73 | 0.82 |
| XPA | 1.13 | XPA | 302 | 270 | 0.03 | 0.05 | 1.07 | 1.20 |
| EKI2 | 1.13 | EKI2 | 162 | 145 | 0.01 | 0.00 | 0.57 | 0.64 |
| AP-2 | 1.13 | AP-2 | 398 | 356 | 0.07 | 0.03 | 1.41 | 1.58 |
| Tyk2 | 1.13 | Tyk2 | 289 | 259 | 0.01 | 0.13 | 1.02 | 1.15 |
| SENP6 | 1.13 | SENP6 | 260 | 233 | 0.00 | 0.06 | 0.92 | 1.03 |
| SLC25A31 | 1.13 | SLC25A31 | 231 | 206 | 0.05 | 0.01 | 0.81 | 0.92 |
| Granzyme B | 1.13 | Granzyme B | 343 | 307 | 0.10 | 0.05 | 1.21 | 1.36 |
| Cytochrome P450 17A1 | 1.12 | Cytochrome P450 17A1 | 314 | 280 | 0.02 | 0.21 | 1.11 | 1.25 |
| TGF alpha | 1.12 | TGF alpha | 453 | 405 | 0.03 | 0.01 | 1.60 | 1.80 |
| Peripherin | 1.12 | Peripherin | 7395 | 6598 | 0.46 | 0.06 | 26.13 | 29.35 |
| HSP60 | 1.12 | HSP60 | 273 | 244 | 0.10 | 0.14 | 0.96 | 1.08 |
| HNF4alpha/gamma | 1.12 | HNF4alpha/gamma | 577 | 514 | 0.06 | 0.14 | 2.04 | 2.29 |
| LRP11 | 1.12 | LRP11 | 410 | 365 | 0.03 | 0.07 | 1.45 | 1.62 |
| CLN6 | 1.12 | CLN6 | 244 | 217 | 0.03 | 0.17 | 0.86 | 0.97 |
| HDAC1 | 1.12 | HDAC1 | 266 | 237 | 0.01 | 0.09 | 0.94 | 1.05 |
| TGF beta3 | 1.12 | TGF beta3 | 259 | 231 | 0.10 | 0.02 | 0.92 | 1.03 |
| BRSK1 | 1.12 | BRSK1 | 418 | 372 | 0.05 | 0.06 | 1.48 | 1.65 |
| CCT6A | 1.12 | CCT6A | 182 | 162 | 0.04 | 0.00 | 0.64 | 0.72 |
| STEA2 | 1.12 | STEA2 | 191 | 170 | 0.10 | 0.03 | 0.67 | 0.75 |
| CDK5R2 | 1.12 | CDK5R2 | 313 | 278 | 0.01 | 0.05 | 1.10 | 1.24 |
| HDAC7 | 1.12 | HDAC7 | 258 | 230 | 0.03 | 0.05 | 0.91 | 1.02 |
| Somatostatin | 1.12 | Somatostatin | 317 | 282 | 0.09 | 0.01 | 1.12 | 1.25 |
| ERCC1 | 1.12 | ERCC1 | 528 | 470 | 0.06 | 0.01 | 1.87 | 2.09 |
| MMP-23 | 1.12 | MMP-23 | 223 | 198 | 0.09 | 0.02 | 0.79 | 0.88 |
| LDLRAD3 | 1.12 | LDLRAD3 | 250 | 222 | 0.10 | 0.17 | 0.88 | 0.99 |
| Bak | 1.12 | Bak | 418 | 371 | 0.06 | 0.06 | 1.48 | 1.65 |
| Prostate-specific Antigen | 1.12 | Prostate-specific Antigen | 244 | 217 | 0.08 | 0.07 | 0.86 | 0.96 |
| 5-HT-5A | 1.12 | 5-HT-5A | 384 | 341 | 0.01 | 0.05 | 1.36 | 1.52 |
| FSH | 1.12 | FSH | 247 | 219 | 0.07 | 0.06 | 0.87 | 0.97 |
| IL20RB | 1.12 | IL20RB | 198 | 176 | 0.03 | 0.08 | 0.70 | 0.78 |
| Cytochrome P450 2C8 | 1.12 | Cytochrome P450 2C8 | 202 | 179 | 0.05 | 0.01 | 0.71 | 0.79 |
| KPB1/2 | 1.11 | KPB1/2 | 192 | 170 | 0.09 | 0.00 | 0.68 | 0.75 |
| PML | 1.11 | PML | 355 | 314 | 0.11 | 0.00 | 1.25 | 1.39 |
| USF2 | 1.11 | USF2 | 220 | 195 | 0.01 | 0.19 | 0.78 | 0.87 |
| SENP3 | 1.11 | SENP3 | 203 | 179 | 0.07 | 0.06 | 0.72 | 0.80 |
| PBOV1 | 1.11 | PBOV1 | 215 | 190 | 0.11 | 0.07 | 0.76 | 0.84 |
| Cytochrome P450 26C1 | 1.11 | Cytochrome P450 26C1 | 291 | 257 | 0.03 | 0.01 | 1.03 | 1.14 |
| Synuclein beta | 1.11 | Synuclein beta | 298 | 263 | 0.05 | 0.03 | 1.05 | 1.17 |
| PIAS2 | 1.11 | PIAS2 | 217 | 191 | 0.06 | 0.12 | 0.77 | 0.85 |
| IPKB | 1.11 | IPKB | 238 | 210 | 0.06 | 0.02 | 0.84 | 0.93 |
| p300/CBP | 1.11 | p300/CBP | 305 | 269 | 0.09 | 0.03 | 1.08 | 1.19 |
| CYB5R1 | 1.11 | CYB5R1 | 448 | 395 | 0.12 | 0.13 | 1.58 | 1.76 |
| Kallikrein-11 (Cleaved-Ile54) | 1.11 | Kallikrein-11 (Cleaved-Ile54) | 215 | 190 | 0.01 | 0.19 | 0.76 | 0.84 |
| PPHLN | 1.11 | PPHLN | 207 | 182 | 0.01 | 0.05 | 0.73 | 0.81 |
| HER3 | 1.11 | HER3 | 2370 | 2089 | 0.10 | 0.03 | 8.37 | 9.29 |
| Cytochrome P450 26A1 | 1.11 | Cytochrome P450 26A1 | 825 | 727 | 0.01 | 0.05 | 2.92 | 3.23 |
| CNGA2 | 1.11 | CNGA2 | 508 | 448 | 0.11 | 0.03 | 1.80 | 1.99 |
| STK24 | 1.11 | STK24 | 214 | 189 | 0.09 | 0.07 | 0.76 | 0.84 |
| LIMK2 | 1.11 | LIMK2 | 633 | 557 | 0.05 | 0.02 | 2.23 | 2.48 |
| FLI1 | 1.11 | FLI1 | 256 | 225 | 0.09 | 0.03 | 0.90 | 1.00 |
| FGFR3 | 1.11 | FGFR3 | 323 | 284 | 0.00 | 0.02 | 1.14 | 1.26 |

## Antibody Array Assay Results

**Signaling Explorer Antibody Array**

| Protein List | Fold Change between Samples<br>Smaller Sample/Bigger Sample |
|---|---|
| PLK3 | 1.11 |
| PLA1A | 1.11 |
| Claudin 1 | 1.11 |
| Cytochrome c | 1.11 |
| TSH2 | 1.11 |
| XRCC1 | 1.11 |
| MLL | 1.11 |
| UBA2 | 1.11 |
| CDK5R1 | 1.11 |
| USP13 | 1.11 |
| MMP1 (Cleaved-Phe100) | 1.11 |
| IP6K3 | 1.11 |
| APOL2 | 1.10 |
| ATP5H | 1.10 |
| GABRG1 | 1.10 |
| VCAM1 | 1.10 |
| PROZ | 1.10 |
| TIMP2 | 1.10 |
| NPTN | 1.10 |
| CREBZF | 1.10 |
| MGMT | 1.10 |
| MAP3K6 | 1.10 |
| SLC4A11 | 1.10 |
| ASC | 1.10 |
| CBLN4 | 1.10 |
| Presenilin 1 | 1.10 |
| FAK | 1.10 |
| CNTN4 | 1.10 |
| Ezrin | 1.10 |
| Octamer-binding transcription factor 1 | 1.10 |
| SKP1A/p19 | 1.10 |
| Cytochrome P450 19A1 | 1.10 |
| ATF5 | 1.10 |
| TrkA | 1.10 |
| MAP3K3 | 1.10 |
| IL-1beta (Cleaved-Asp210) | 1.10 |
| CASP2 (p18,Cleaved-Thr325) | 1.09 |
| Keratin 17 | 1.09 |
| Notch 2 (Cleaved-Asp1733) | 1.09 |
| HDAC6 | 1.09 |
| MAPK10 | 1.09 |
| MRC2 | 1.09 |
| SORL1 | 1.09 |
| CDC2 | 1.09 |
| HDAC10 | 1.09 |
| Collagen I alpha2 | 1.09 |
| MUC13 | 1.09 |
| TRADD | 1.09 |
| MMP-3 | 1.09 |
| Cytochrome P450 1A2 | 1.09 |
| Prostate Apoptosis Response protein-4 | 1.09 |
| NT | 1.09 |
| COX11 | 1.09 |
| CDH10 | 1.09 |

## Assay Data

| | *Median Signal* | *283* | *225* | | | | |
|---|---|---|---|---|---|---|---|
| Protein List | | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
| | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| PLK3 | | 205 | 180 | 0.01 | 0.02 | 0.72 | 0.80 |
| PLA1A | | 187 | 165 | 0.00 | 0.00 | 0.66 | 0.73 |
| Claudin 1 | | 652 | 574 | 0.05 | 0.05 | 2.30 | 2.55 |
| Cytochrome c | | 401 | 353 | 0.22 | 0.03 | 1.42 | 1.57 |
| TSH2 | | 165 | 145 | 0.05 | 0.01 | 0.58 | 0.65 |
| XRCC1 | | 252 | 221 | 0.11 | 0.11 | 0.89 | 0.98 |
| MLL | | 235 | 207 | 0.02 | 0.16 | 0.83 | 0.92 |
| UBA2 | | 243 | 214 | 0.05 | 0.01 | 0.86 | 0.95 |
| CDK5R1 | | 205 | 180 | 0.06 | 0.06 | 0.72 | 0.80 |
| USP13 | | 172 | 151 | 0.08 | 0.01 | 0.61 | 0.67 |
| MMP1 (Cleaved-Phe100) | | 156 | 137 | 0.03 | 0.09 | 0.55 | 0.61 |
| IP6K3 | | 426 | 374 | 0.05 | 0.01 | 1.50 | 1.66 |
| APOL2 | | 208 | 183 | 0.12 | 0.05 | 0.73 | 0.81 |
| ATP5H | | 771 | 676 | 0.00 | 0.15 | 2.72 | 3.01 |
| GABRG1 | | 226 | 198 | 0.08 | 0.08 | 0.80 | 0.88 |
| VCAM1 | | 145 | 127 | 0.04 | 0.00 | 0.51 | 0.57 |
| PROZ | | 322 | 282 | 0.07 | 0.05 | 1.14 | 1.25 |
| TIMP2 | | 266 | 233 | 0.10 | 0.14 | 0.94 | 1.03 |
| NPTN | | 482 | 422 | 0.01 | 0.06 | 1.70 | 1.88 |
| CREBZF | | 157 | 137 | 0.10 | 0.04 | 0.55 | 0.61 |
| MGMT | | 452 | 395 | 0.08 | 0.09 | 1.60 | 1.76 |
| MAP3K6 | | 205 | 179 | 0.06 | 0.04 | 0.72 | 0.79 |
| SLC4A11 | | 424 | 370 | 0.05 | 0.08 | 1.50 | 1.65 |
| ASC | | 414 | 361 | 0.04 | 0.06 | 1.46 | 1.60 |
| CBLN4 | | 234 | 204 | 0.10 | 0.02 | 0.83 | 0.91 |
| Presenilin 1 | | 238 | 207 | 0.13 | 0.01 | 0.84 | 0.92 |
| FAK | | 164 | 143 | 0.00 | 0.12 | 0.58 | 0.63 |
| CNTN4 | | 190 | 166 | 0.02 | 0.01 | 0.67 | 0.74 |
| Ezrin | | 299 | 260 | 0.02 | 0.05 | 1.05 | 1.16 |
| Octamer-binding transcription factor 1 | | 368 | 320 | 0.01 | 0.06 | 1.30 | 1.42 |
| SKP1A/p19 | | 316 | 275 | 0.00 | 0.03 | 1.12 | 1.22 |
| Cytochrome P450 19A1 | | 405 | 352 | 0.02 | 0.08 | 1.43 | 1.57 |
| ATF5 | | 243 | 211 | 0.06 | 0.07 | 0.86 | 0.94 |
| TrkA | | 196 | 171 | 0.05 | 0.12 | 0.69 | 0.76 |
| MAP3K3 | | 338 | 294 | 0.06 | 0.04 | 1.19 | 1.31 |
| IL-1beta (Cleaved-Asp210) | | 238 | 207 | 0.13 | 0.13 | 0.84 | 0.92 |
| CASP2 (p18,Cleaved-Thr325) | | 345 | 300 | 0.43 | 0.05 | 1.22 | 1.33 |
| Keratin 17 | | 437 | 380 | 0.05 | 0.08 | 1.54 | 1.69 |
| Notch 2 (Cleaved-Asp1733) | | 271 | 236 | 0.05 | 0.01 | 0.96 | 1.05 |
| HDAC6 | | 282 | 245 | 0.04 | 0.03 | 1.00 | 1.09 |
| MAPK10 | | 492 | 427 | 0.06 | 0.09 | 1.74 | 1.90 |
| MRC2 | | 179 | 156 | 0.06 | 0.02 | 0.63 | 0.69 |
| SORL1 | | 247 | 214 | 0.14 | 0.09 | 0.87 | 0.95 |
| CDC2 | | 292 | 254 | 0.08 | 0.03 | 1.03 | 1.13 |
| HDAC10 | | 262 | 227 | 0.03 | 0.09 | 0.92 | 1.01 |
| Collagen I alpha2 | | 235 | 204 | 0.04 | 0.08 | 0.83 | 0.91 |
| MUC13 | | 151 | 131 | 0.01 | 0.05 | 0.53 | 0.58 |
| TRADD | | 316 | 274 | 0.03 | 0.10 | 1.12 | 1.22 |
| MMP-3 | | 278 | 241 | 0.10 | 0.08 | 0.98 | 1.07 |
| Cytochrome P450 1A2 | | 237 | 205 | 0.06 | 0.19 | 0.84 | 0.91 |
| Prostate Apoptosis Response protein-4 | | 263 | 228 | 0.02 | 0.00 | 0.93 | 1.01 |
| NT | | 229 | 198 | 0.06 | 0.11 | 0.81 | 0.88 |
| COX11 | | 307 | 266 | 0.03 | 0.14 | 1.08 | 1.18 |
| CDH10 | | 378 | 327 | 0.11 | 0.10 | 1.33 | 1.45 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* *283* *225*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| BIM | 1.09 | BIM | 348 | 301 | 0.01 | 0.06 | 1.23 | 1.34 |
| DNA Polymerase lambda | 1.09 | DNA Polymerase lambda | 178 | 154 | 0.01 | 0.07 | 0.63 | 0.68 |
| Keratin 7 | 1.09 | Keratin 7 | 240 | 208 | 0.05 | 0.09 | 0.85 | 0.92 |
| TNK1 | 1.09 | TNK1 | 203 | 176 | 0.03 | 0.04 | 0.72 | 0.78 |
| CA6 | 1.09 | CA6 | 236 | 204 | 0.09 | 0.08 | 0.83 | 0.91 |
| EFNA2 | 1.09 | EFNA2 | 221 | 191 | 0.04 | 0.12 | 0.78 | 0.85 |
| RABEP2 | 1.09 | RABEP2 | 463 | 400 | 0.02 | 0.01 | 1.63 | 1.78 |
| HCK | 1.09 | HCK | 158 | 136 | 0.00 | 0.07 | 0.56 | 0.61 |
| TUSC2 | 1.09 | TUSC2 | 234 | 202 | 0.20 | 0.02 | 0.83 | 0.90 |
| CHK2 | 1.09 | CHK2 | 165 | 142 | 0.00 | 0.12 | 0.58 | 0.63 |
| KAP0 | 1.09 | KAP0 | 362 | 312 | 0.08 | 0.02 | 1.28 | 1.39 |
| BARD1 | 1.09 | BARD1 | 196 | 169 | 0.04 | 0.01 | 0.69 | 0.75 |
| MER | 1.09 | MER | 138 | 119 | 0.01 | 0.13 | 0.49 | 0.53 |
| SIRPG | 1.09 | SIRPG | 297 | 256 | 0.12 | 0.07 | 1.05 | 1.14 |
| CA13 | 1.08 | CA13 | 322 | 277 | 0.03 | 0.03 | 1.14 | 1.23 |
| PIAS3 | 1.08 | PIAS3 | 256 | 220 | 0.01 | 0.10 | 0.90 | 0.98 |
| SLC9A9 | 1.08 | SLC9A9 | 319 | 275 | 0.09 | 0.10 | 1.13 | 1.22 |
| GADD45GIP1 | 1.08 | GADD45GIP1 | 308 | 265 | 0.06 | 0.10 | 1.09 | 1.18 |
| 14-3-3 epsilon | 1.08 | 14-3-3 epsilon | 204 | 176 | 0.03 | 0.08 | 0.72 | 0.78 |
| GABA-B Receptor | 1.08 | GABA-B Receptor | 279 | 240 | 0.12 | 0.06 | 0.99 | 1.07 |
| XRCC4 | 1.08 | XRCC4 | 329 | 283 | 0.11 | 0.11 | 1.16 | 1.26 |
| LAMC3 | 1.08 | LAMC3 | 236 | 203 | 0.08 | 0.08 | 0.83 | 0.90 |
| BST2 | 1.08 | BST2 | 186 | 160 | 0.09 | 0.06 | 0.66 | 0.71 |
| CD18 (ITGB2) | 1.08 | CD18 (ITGB2) | 203 | 174 | 0.02 | 0.15 | 0.72 | 0.77 |
| WASF3 | 1.08 | WASF3 | 464 | 399 | 0.14 | 0.13 | 1.64 | 1.77 |
| CD97beta (Cleaved-Ser531) | 1.08 | CD97beta (Cleaved-Ser531) | 230 | 197 | 0.03 | 0.07 | 0.81 | 0.88 |
| Histone H3 (Acetyl-Lys23) | 1.08 | Histone H3 (Acetyl-Lys23) | 297 | 255 | 0.17 | 0.20 | 1.05 | 1.13 |
| Guanylate Cyclase beta | 1.08 | Guanylate Cyclase beta | 293 | 251 | 0.06 | 0.00 | 1.03 | 1.12 |
| Octamer-binding transcription factor 6 | 1.08 | Octamer-binding transcription factor 6 | 309 | 265 | 0.01 | 0.06 | 1.09 | 1.18 |
| PRKX | 1.08 | PRKX | 270 | 231 | 0.06 | 0.07 | 0.95 | 1.03 |
| ATBP3 | 1.08 | ATBP3 | 574 | 492 | 0.15 | 0.02 | 2.03 | 2.19 |
| Parathyroid Hormone | 1.08 | Parathyroid Hormone | 315 | 270 | 0.01 | 0.06 | 1.11 | 1.20 |
| ABHD4 | 1.08 | ABHD4 | 206 | 176 | 0.13 | 0.07 | 0.73 | 0.78 |
| TNF14 | 1.08 | TNF14 | 223 | 191 | 0.07 | 0.06 | 0.79 | 0.85 |
| ARSK | 1.08 | ARSK | 435 | 372 | 0.10 | 0.25 | 1.54 | 1.66 |
| TGF beta Receptor II | 1.08 | TGF beta Receptor II | 354 | 303 | 0.05 | 0.08 | 1.25 | 1.35 |
| Dynamin-2 | 1.08 | Dynamin-2 | 132 | 113 | 0.11 | 0.01 | 0.46 | 0.50 |
| Keratin 8 | 1.08 | Keratin 8 | 294 | 251 | 0.00 | 0.07 | 1.04 | 1.12 |
| PHLA1 | 1.08 | PHLA1 | 218 | 186 | 0.03 | 0.05 | 0.77 | 0.83 |
| NEDD8 | 1.08 | NEDD8 | 251 | 215 | 0.06 | 0.06 | 0.89 | 0.95 |
| Caspase 10 | 1.08 | Caspase 10 | 450 | 385 | 0.00 | 0.06 | 1.59 | 1.71 |
| DAK | 1.08 | DAK | 254 | 217 | 0.02 | 0.01 | 0.90 | 0.97 |
| MYC | 1.08 | MYC | 192 | 164 | 0.07 | 0.01 | 0.68 | 0.73 |
| Influenza B virus Nucleoprotein | 1.08 | Influenza B virus Nucleoprotein | 141 | 120 | 0.01 | 0.04 | 0.50 | 0.53 |
| MART-1 | 1.08 | MART-1 | 383 | 327 | 0.00 | 0.13 | 1.35 | 1.45 |
| Ubiquitin | 1.07 | Ubiquitin | 304 | 260 | 0.08 | 0.10 | 1.07 | 1.15 |
| MOK | 1.07 | MOK | 202 | 172 | 0.00 | 0.07 | 0.71 | 0.77 |
| ADH7 | 1.07 | ADH7 | 178 | 152 | 0.08 | 0.07 | 0.63 | 0.67 |
| POLE1 | 1.07 | POLE1 | 229 | 195 | 0.05 | 0.15 | 0.81 | 0.87 |
| Cytochrome P450 24A1 | 1.07 | Cytochrome P450 24A1 | 338 | 288 | 0.16 | 0.10 | 1.19 | 1.28 |
| alpha hCG | 1.07 | alpha hCG | 126 | 108 | 0.06 | 0.10 | 0.45 | 0.48 |
| CDCP1 | 1.07 | CDCP1 | 160 | 137 | 0.02 | 0.02 | 0.57 | 0.61 |
| FRK | 1.07 | FRK | 218 | 186 | 0.00 | 0.05 | 0.77 | 0.83 |
| ATG4B | 1.07 | ATG4B | 289 | 246 | 0.07 | 0.02 | 1.02 | 1.09 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* *283* *225*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| EDD | 1.07 | EDD | 316 | 269 | 0.07 | 0.02 | 1.11 | 1.20 |
| FRS3 | 1.07 | FRS3 | 265 | 226 | 0.07 | 0.05 | 0.93 | 1.00 |
| SERC2 | 1.07 | SERC2 | 288 | 245 | 0.06 | 0.07 | 1.02 | 1.09 |
| CPM | 1.07 | CPM | 253 | 215 | 0.03 | 0.01 | 0.89 | 0.96 |
| SLC25A6 | 1.07 | SLC25A6 | 192 | 163 | 0.01 | 0.00 | 0.68 | 0.73 |
| PPRC1 | 1.07 | PPRC1 | 249 | 212 | 0.01 | 0.00 | 0.88 | 0.94 |
| SENP8 | 1.07 | SENP8 | 366 | 312 | 0.02 | 0.14 | 1.29 | 1.39 |
| DNA Polymerase zeta | 1.07 | DNA Polymerase zeta | 292 | 249 | 0.03 | 0.19 | 1.03 | 1.11 |
| USP24 | 1.07 | USP24 | 181 | 154 | 0.02 | 0.06 | 0.64 | 0.69 |
| Keratin 18 | 1.07 | Keratin 18 | 388 | 330 | 0.00 | 0.13 | 1.37 | 1.47 |
| PAK2 | 1.07 | PAK2 | 167 | 142 | 0.07 | 0.00 | 0.59 | 0.63 |
| CPN1 | 1.07 | CPN1 | 234 | 199 | 0.05 | 0.01 | 0.83 | 0.88 |
| MDM2 | 1.07 | MDM2 | 330 | 281 | 0.04 | 0.08 | 1.17 | 1.25 |
| SPINK6 | 1.07 | SPINK6 | 220 | 187 | 0.12 | 0.05 | 0.78 | 0.83 |
| SERC3 | 1.07 | SERC3 | 249 | 212 | 0.09 | 0.06 | 0.88 | 0.94 |
| PRPF19 | 1.07 | PRPF19 | 189 | 161 | 0.08 | 0.03 | 0.67 | 0.71 |
| CHST10 | 1.07 | CHST10 | 216 | 183 | 0.11 | 0.05 | 0.76 | 0.81 |
| LH | 1.07 | LH | 186 | 158 | 0.07 | 0.00 | 0.66 | 0.70 |
| RAB5C | 1.07 | RAB5C | 199 | 169 | 0.12 | 0.14 | 0.70 | 0.75 |
| NF1 | 1.07 | NF1 | 347 | 295 | 0.01 | 0.11 | 1.23 | 1.31 |
| RET | 1.07 | RET | 142 | 121 | 0.01 | 0.03 | 0.50 | 0.54 |
| Cytochrome P450 4F2 | 1.07 | Cytochrome P450 4F2 | 225 | 191 | 0.05 | 0.12 | 0.79 | 0.85 |
| MCM2 | 1.07 | MCM2 | 225 | 191 | 0.05 | 0.29 | 0.79 | 0.85 |
| ILKAP | 1.07 | ILKAP | 258 | 219 | 0.02 | 0.07 | 0.91 | 0.97 |
| CDC40 | 1.07 | CDC40 | 205 | 174 | 0.04 | 0.05 | 0.72 | 0.77 |
| Fra-2 | 1.07 | Fra-2 | 399 | 339 | 0.11 | 0.16 | 1.41 | 1.51 |
| Claudin 7 | 1.07 | Claudin 7 | 464 | 394 | 0.03 | 0.00 | 1.64 | 1.75 |
| CA125 | 1.07 | CA125 | 112 | 95 | 0.04 | 0.07 | 0.39 | 0.42 |
| AMACR | 1.07 | AMACR | 226 | 191 | 0.02 | 0.07 | 0.80 | 0.85 |
| p300 | 1.07 | p300 | 324 | 274 | 0.13 | 0.02 | 1.14 | 1.22 |
| TACC1 | 1.07 | TACC1 | 248 | 210 | 0.02 | 0.05 | 0.88 | 0.93 |
| 5-HT-1F | 1.07 | 5-HT-1F | 206 | 174 | 0.04 | 0.11 | 0.73 | 0.77 |
| Cytochrome P450 3A43 | 1.07 | Cytochrome P450 3A43 | 209 | 177 | 0.17 | 0.12 | 0.74 | 0.79 |
| Myeloperoxidase | 1.07 | Myeloperoxidase | 228 | 193 | 0.01 | 0.06 | 0.80 | 0.86 |
| NGFR | 1.07 | NGFR | 182 | 154 | 0.08 | 0.04 | 0.64 | 0.69 |
| ADD2 | 1.07 | ADD2 | 234 | 198 | 0.00 | 0.03 | 0.83 | 0.88 |
| LILRA1 | 1.06 | LILRA1 | 172 | 145 | 0.05 | 0.06 | 0.61 | 0.65 |
| 14-3-3 gamma | 1.06 | 14-3-3 gamma | 214 | 181 | 0.02 | 0.00 | 0.75 | 0.80 |
| YAP | 1.06 | YAP | 201 | 170 | 0.00 | 0.10 | 0.71 | 0.75 |
| GGH | 1.06 | GGH | 249 | 211 | 0.12 | 0.08 | 0.88 | 0.94 |
| EIF4G2 | 1.06 | EIF4G2 | 291 | 246 | 0.01 | 0.14 | 1.03 | 1.09 |
| FMN2 | 1.06 | FMN2 | 226 | 191 | 0.02 | 0.05 | 0.80 | 0.85 |
| TAF4 | 1.06 | TAF4 | 187 | 158 | 0.04 | 0.05 | 0.66 | 0.70 |
| HGH | 1.06 | HGH | 158 | 133 | 0.06 | 0.05 | 0.56 | 0.59 |
| MMP-16 | 1.06 | MMP-16 | 264 | 223 | 0.15 | 0.05 | 0.93 | 0.99 |
| 5-HT-3A | 1.06 | 5-HT-3A | 196 | 165 | 0.00 | 0.12 | 0.69 | 0.73 |
| RAD50 | 1.06 | RAD50 | 196 | 165 | 0.11 | 0.03 | 0.69 | 0.73 |
| ITIH1 (Cleaved-Asp672) | 1.06 | ITIH1 (Cleaved-Asp672) | 141 | 119 | 0.05 | 0.00 | 0.50 | 0.53 |
| LYN | 1.06 | LYN | 135 | 114 | 0.01 | 0.01 | 0.48 | 0.51 |
| TNXB | 1.06 | TNXB | 163 | 138 | 0.04 | 0.01 | 0.58 | 0.61 |
| Octamer-binding transcription factor 3 | 1.06 | Octamer-binding transcription factor 3 | 272 | 229 | 0.01 | 0.01 | 0.96 | 1.02 |
| Cullin 1 | 1.06 | Cullin 1 | 3968 | 3346 | 0.10 | 0.06 | 14.02 | 14.89 |
| Lck | 1.06 | Lck | 150 | 127 | 0.04 | 0.07 | 0.53 | 0.56 |
| EEF1G | 1.06 | EEF1G | 185 | 156 | 0.05 | 0.04 | 0.65 | 0.69 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* *283* *225*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| ABHD11 | 1.06 | ABHD11 | 169 | 143 | 0.09 | 0.01 | 0.60 | 0.63 |
| Involucrin | 1.06 | Involucrin | 388 | 327 | 0.14 | 0.04 | 1.37 | 1.45 |
| ALDH3B1 | 1.06 | ALDH3B1 | 169 | 142 | 0.09 | 0.05 | 0.60 | 0.63 |
| PKM2 | 1.06 | PKM2 | 172 | 145 | 0.09 | 0.00 | 0.61 | 0.64 |
| CKI-gamma1 | 1.06 | CKI-gamma1 | 165 | 139 | 0.02 | 0.01 | 0.58 | 0.62 |
| RAD51L1 | 1.06 | RAD51L1 | 165 | 139 | 0.09 | 0.02 | 0.58 | 0.62 |
| COX15 | 1.06 | COX15 | 222 | 187 | 0.07 | 0.19 | 0.78 | 0.83 |
| SLCO1A2 | 1.06 | SLCO1A2 | 178 | 150 | 0.02 | 0.05 | 0.63 | 0.67 |
| SLC39A7 | 1.06 | SLC39A7 | 168 | 141 | 0.02 | 0.01 | 0.59 | 0.63 |
| CARKL | 1.06 | CARKL | 183 | 154 | 0.11 | 0.06 | 0.65 | 0.69 |
| MUSK | 1.06 | MUSK | 148 | 125 | 0.00 | 0.02 | 0.52 | 0.55 |
| Collagen XX alpha1 | 1.06 | Collagen XX alpha1 | 252 | 212 | 0.09 | 0.07 | 0.89 | 0.94 |
| HAT | 1.06 | HAT | 308 | 259 | 0.11 | 0.07 | 1.09 | 1.15 |
| beta hCG | 1.06 | beta hCG | 242 | 203 | 0.08 | 0.17 | 0.85 | 0.90 |
| KCNK4 | 1.06 | KCNK4 | 241 | 203 | 0.04 | 0.09 | 0.85 | 0.90 |
| ADCY7 | 1.06 | ADCY7 | 175 | 147 | 0.11 | 0.02 | 0.62 | 0.65 |
| CD2 Tail-binding | 1.06 | CD2 Tail-binding | 216 | 181 | 0.02 | 0.02 | 0.76 | 0.81 |
| SLC5A2 | 1.06 | SLC5A2 | 281 | 236 | 0.02 | 0.10 | 0.99 | 1.05 |
| RHOBTB3 | 1.06 | RHOBTB3 | 234 | 197 | 0.02 | 0.03 | 0.83 | 0.87 |
| PYK2 (FAK2) | 1.06 | PYK2 (FAK2) | 159 | 134 | 0.04 | 0.12 | 0.56 | 0.59 |
| RASH/RASK | 1.06 | RASH/RASK | 332 | 279 | 0.26 | 0.10 | 1.17 | 1.24 |
| DNAJB4 | 1.06 | DNAJB4 | 245 | 206 | 0.03 | 0.02 | 0.87 | 0.91 |
| MAP2K4 | 1.06 | MAP2K4 | 292 | 245 | 0.26 | 0.00 | 1.03 | 1.09 |
| JAK1 | 1.06 | JAK1 | 202 | 169 | 0.00 | 0.03 | 0.71 | 0.75 |
| TUSC3 | 1.06 | TUSC3 | 257 | 216 | 0.01 | 0.04 | 0.91 | 0.96 |
| BUB1B | 1.06 | BUB1B | 211 | 177 | 0.01 | 0.06 | 0.74 | 0.79 |
| Dysferlin | 1.06 | Dysferlin | 443 | 371 | 0.03 | 0.08 | 1.56 | 1.65 |
| MUTYH | 1.06 | MUTYH | 513 | 430 | 0.01 | 0.00 | 1.81 | 1.91 |
| BCA3 | 1.06 | BCA3 | 155 | 130 | 0.05 | 0.01 | 0.55 | 0.58 |
| DNA Polymerase beta | 1.06 | DNA Polymerase beta | 297 | 249 | 0.04 | 0.03 | 1.05 | 1.11 |
| PAR4 | 1.06 | PAR4 | 124 | 104 | 0.04 | 0.03 | 0.44 | 0.46 |
| ELOVL4 | 1.06 | ELOVL4 | 216 | 181 | 0.09 | 0.02 | 0.76 | 0.81 |
| E2F4 | 1.06 | E2F4 | 343 | 287 | 0.10 | 0.05 | 1.21 | 1.28 |
| PPGB (32k,Cleaved-Arg326) | 1.05 | PPGB (32k,Cleaved-Arg326) | 207 | 173 | 0.02 | 0.20 | 0.73 | 0.77 |
| SPTBN1 | 1.05 | SPTBN1 | 216 | 181 | 0.02 | 0.04 | 0.76 | 0.80 |
| RAB37 | 1.05 | RAB37 | 339 | 284 | 0.04 | 0.13 | 1.20 | 1.26 |
| ERCC5 | 1.05 | ERCC5 | 252 | 211 | 0.07 | 0.06 | 0.89 | 0.94 |
| Thyroid Hormone Receptor beta | 1.05 | Thyroid Hormone Receptor beta | 295 | 247 | 0.03 | 0.01 | 1.04 | 1.10 |
| COX19 | 1.05 | COX19 | 285 | 239 | 0.06 | 0.10 | 1.01 | 1.06 |
| Cyclin A | 1.05 | Cyclin A | 401 | 336 | 0.01 | 0.02 | 1.42 | 1.49 |
| RAN | 1.05 | RAN | 309 | 259 | 0.08 | 0.01 | 1.09 | 1.15 |
| CD55 | 1.05 | CD55 | 554 | 463 | 0.03 | 0.08 | 1.96 | 2.06 |
| ABHD14A | 1.05 | ABHD14A | 186 | 156 | 0.08 | 0.02 | 0.66 | 0.69 |
| CFAB Bb (Cleaved-Lys260) | 1.05 | CFAB Bb (Cleaved-Lys260) | 195 | 163 | 0.04 | 0.12 | 0.69 | 0.73 |
| p63 | 1.05 | p63 | 280 | 234 | 0.08 | 0.02 | 0.99 | 1.04 |
| HSP40 | 1.05 | HSP40 | 453 | 379 | 0.02 | 0.04 | 1.60 | 1.68 |
| GAPDH | 1.05 | GAPDH | 386 | 322 | 0.05 | 0.05 | 1.36 | 1.43 |
| Laminin | 1.05 | Laminin | 173 | 145 | 0.02 | 0.05 | 0.61 | 0.64 |
| MRCKB | 1.05 | MRCKB | 215 | 180 | 0.09 | 0.03 | 0.76 | 0.80 |
| BAD (Cleaved-Asp71) | 1.05 | BAD (Cleaved-Asp71) | 242 | 202 | 0.03 | 0.24 | 0.86 | 0.90 |
| TGF beta1 | 1.05 | TGF beta1 | 251 | 210 | 0.00 | 0.12 | 0.89 | 0.93 |
| MADD | 1.05 | MADD | 197 | 164 | 0.10 | 0.14 | 0.69 | 0.73 |
| Keratin 16 | 1.05 | Keratin 16 | 266 | 222 | 0.01 | 0.11 | 0.94 | 0.99 |
| SAA4 | 1.05 | SAA4 | 145 | 121 | 0.03 | 0.02 | 0.51 | 0.54 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* *283* *225*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| BMP8A | 1.05 | BMP8A | 220 | 183 | 0.17 | 0.08 | 0.78 | 0.81 |
| TUBGCP5 | 1.05 | TUBGCP5 | 277 | 231 | 0.05 | 0.06 | 0.98 | 1.03 |
| CD247 (CD3Z) | 1.05 | CD247 (CD3Z) | 132 | 110 | 0.04 | 0.06 | 0.47 | 0.49 |
| CD31 | 1.05 | CD31 | 144 | 120 | 0.03 | 0.06 | 0.51 | 0.53 |
| MMP-13 | 1.05 | MMP-13 | 384 | 320 | 0.02 | 0.09 | 1.36 | 1.42 |
| MMP-8 | 1.05 | MMP-8 | 399 | 333 | 0.02 | 0.10 | 1.41 | 1.48 |
| Collagen XXIII alpha1 | 1.05 | Collagen XXIII alpha1 | 294 | 245 | 0.04 | 0.07 | 1.04 | 1.09 |
| KIAA1967 | 1.05 | KIAA1967 | 219 | 182 | 0.04 | 0.09 | 0.77 | 0.81 |
| NKX26 | 1.05 | NKX26 | 189 | 157 | 0.06 | 0.02 | 0.67 | 0.70 |
| Collagen III | 1.05 | Collagen III | 820 | 683 | 0.10 | 0.04 | 2.90 | 3.04 |
| RAB38 | 1.05 | RAB38 | 259 | 216 | 0.02 | 0.24 | 0.92 | 0.96 |
| CD253 | 1.05 | CD253 | 310 | 258 | 0.05 | 0.01 | 1.09 | 1.15 |
| Octamer-binding transcription factor 2 | 1.05 | Octamer-binding transcription factor 2 | 301 | 250 | 0.04 | 0.01 | 1.06 | 1.11 |
| GADD153 | 1.05 | GADD153 | 390 | 324 | 0.06 | 0.01 | 1.38 | 1.44 |
| GPR120 | 1.05 | GPR120 | 443 | 368 | 0.09 | 0.03 | 1.56 | 1.64 |
| LRRK1 | 1.05 | LRRK1 | 235 | 195 | 0.04 | 0.04 | 0.83 | 0.87 |
| POLDIP3 | 1.05 | POLDIP3 | 327 | 272 | 0.00 | 0.01 | 1.15 | 1.21 |
| Collagen IV alpha4 | 1.05 | Collagen IV alpha4 | 229 | 190 | 0.06 | 0.09 | 0.81 | 0.85 |
| DOK7 | 1.05 | DOK7 | 297 | 247 | 0.10 | 0.13 | 1.05 | 1.10 |
| PPP1R8 | 1.05 | PPP1R8 | 225 | 187 | 0.06 | 0.02 | 0.80 | 0.83 |
| CA14 | 1.05 | CA14 | 240 | 199 | 0.01 | 0.09 | 0.85 | 0.89 |
| DDR2 | 1.05 | DDR2 | 157 | 130 | 0.06 | 0.05 | 0.55 | 0.58 |
| Cytochrome P450 3A7 | 1.05 | Cytochrome P450 3A7 | 186 | 155 | 0.08 | 0.09 | 0.66 | 0.69 |
| TPD52 | 1.05 | TPD52 | 298 | 248 | 0.01 | 0.01 | 1.05 | 1.10 |
| FA13A (Cleaved-Gly39) | 1.05 | FA13A (Cleaved-Gly39) | 207 | 172 | 0.12 | 0.02 | 0.73 | 0.76 |
| GPR174 | 1.05 | GPR174 | 159 | 132 | 0.00 | 0.04 | 0.56 | 0.59 |
| CDKL1 | 1.05 | CDKL1 | 209 | 174 | 0.06 | 0.00 | 0.74 | 0.77 |
| PARP | 1.05 | PARP | 127 | 105 | 0.01 | 0.04 | 0.45 | 0.47 |
| STEAP4 | 1.04 | STEAP4 | 252 | 209 | 0.02 | 0.05 | 0.89 | 0.93 |
| Collagen IX alpha3 | 1.04 | Collagen IX alpha3 | 278 | 230 | 0.02 | 0.04 | 0.98 | 1.02 |
| Gastrin | 1.04 | Gastrin | 245 | 203 | 0.01 | 0.02 | 0.86 | 0.90 |
| POLD3 | 1.04 | POLD3 | 201 | 166 | 0.05 | 0.04 | 0.71 | 0.74 |
| EPN3 | 1.04 | EPN3 | 230 | 190 | 0.09 | 0.07 | 0.81 | 0.85 |
| ITGA7 (light chain,Cleaved-Glu959) | 1.04 | ITGA7 (light chain,Cleaved-Glu959) | 288 | 238 | 0.02 | 0.15 | 1.02 | 1.06 |
| CST9L | 1.04 | CST9L | 180 | 149 | 0.06 | 0.09 | 0.64 | 0.66 |
| MAP4K6 | 1.04 | MAP4K6 | 215 | 178 | 0.03 | 0.00 | 0.76 | 0.79 |
| PIAS4 | 1.04 | PIAS4 | 324 | 268 | 0.00 | 0.02 | 1.14 | 1.19 |
| TENS3 | 1.04 | TENS3 | 269 | 223 | 0.04 | 0.01 | 0.95 | 0.99 |
| hCG | 1.04 | hCG | 185 | 153 | 0.04 | 0.07 | 0.65 | 0.68 |
| CDH2 | 1.04 | CDH2 | 304 | 251 | 0.02 | 0.03 | 1.07 | 1.12 |
| APOL1 | 1.04 | APOL1 | 211 | 175 | 0.11 | 0.04 | 0.75 | 0.78 |
| Mlx | 1.04 | Mlx | 220 | 182 | 0.00 | 0.01 | 0.78 | 0.81 |
| IGF 1R | 1.04 | IGF 1R | 159 | 131 | 0.00 | 0.02 | 0.56 | 0.58 |
| Insulin | 1.04 | Insulin | 265 | 219 | 0.06 | 0.13 | 0.93 | 0.97 |
| NCOA7 | 1.04 | NCOA7 | 215 | 178 | 0.09 | 0.02 | 0.76 | 0.79 |
| SHC3 | 1.04 | SHC3 | 204 | 168 | 0.09 | 0.00 | 0.72 | 0.75 |
| ABHD12 | 1.04 | ABHD12 | 206 | 170 | 0.14 | 0.05 | 0.73 | 0.76 |
| SKP2/p45 | 1.04 | SKP2/p45 | 328 | 271 | 0.03 | 0.01 | 1.16 | 1.20 |
| XRCC3 | 1.04 | XRCC3 | 200 | 165 | 0.15 | 0.01 | 0.70 | 0.73 |
| ARHGEF9 | 1.04 | ARHGEF9 | 194 | 160 | 0.10 | 0.10 | 0.68 | 0.71 |
| SENP1 | 1.04 | SENP1 | 544 | 448 | 0.05 | 0.04 | 1.92 | 1.99 |
| THRB (AP2,Cleaved-Arg327) | 1.04 | THRB (AP2,Cleaved-Arg327) | 341 | 281 | 0.09 | 0.03 | 1.20 | 1.25 |
| SPTBN5 | 1.04 | SPTBN5 | 168 | 138 | 0.09 | 0.07 | 0.59 | 0.61 |
| B-RAF | 1.04 | B-RAF | 224 | 185 | 0.06 | 0.11 | 0.79 | 0.82 |

## Antibody Array Assay Results

**Signaling Explorer Antibody Array**

| Protein List | Fold Change between Samples<br>Smaller Sample/Bigger Sample |
|---|---|
| p50 Dynamitin | 1.04 |
| XPF | 1.04 |
| HDAC3 | 1.04 |
| ACTR3 | 1.04 |
| CD14 | 1.04 |
| EPCAM | 1.04 |
| EPHA1 | 1.04 |
| STMN4 | 1.04 |
| CIB1 | 1.04 |
| HDAC9 | 1.04 |
| FABP4 | 1.04 |
| DNA Polymerase alpha | 1.04 |
| LATH | 1.03 |
| GPR152 | 1.03 |
| Cyclin F | 1.03 |
| PIK3R5 | 1.03 |
| p14 ARF | 1.03 |
| 14-3-3 eta | 1.03 |
| DOK4 | 1.03 |
| PDGFR alpha | 1.03 |
| ZADH1 | 1.03 |
| Ku70 | 1.03 |
| R-spondin 1 | 1.03 |
| PDGFR beta | 1.03 |
| CDKA2 | 1.03 |
| MAP2K2 (MEK2) | 1.03 |
| LHR2A | 1.03 |
| PDK2 | 1.03 |
| DNAJB11 | 1.03 |
| NCOA3 | 1.03 |
| BAGE4 | 1.03 |
| CNN2 | 1.03 |
| LILRA2 | 1.03 |
| BUB3 | 1.03 |
| CPB2 | 1.03 |
| ELOVL1 | 1.03 |
| KLHL3 | 1.03 |
| APAF-1-ALT | 1.03 |
| MAP3KL4 | 1.03 |
| DGKH | 1.03 |
| COX7S/A2 | 1.03 |
| CAMK5 | 1.03 |
| TBP | 1.03 |
| S100 A1 | 1.03 |
| CHST6 | 1.03 |
| GSK3 alpha | 1.03 |
| IL-10 | 1.02 |
| Keratin 20 | 1.02 |
| LDOC1L | 1.02 |
| GCNT7 | 1.02 |
| CDCA7 | 1.02 |
| mGluR7 | 1.02 |
| BUB1 | 1.02 |
| PLA2G4D | 1.02 |

## Assay Data

*Median Signal* *283* *225*

| Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|
| | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| p50 Dynamitin | 360 | 297 | 0.00 | 0.01 | 1.27 | 1.32 |
| XPF | 325 | 268 | 0.07 | 0.10 | 1.15 | 1.19 |
| HDAC3 | 379 | 312 | 0.01 | 0.13 | 1.34 | 1.39 |
| ACTR3 | 184 | 151 | 0.04 | 0.00 | 0.65 | 0.67 |
| CD14 | 198 | 163 | 0.08 | 0.12 | 0.70 | 0.72 |
| EPCAM | 119 | 98 | 0.03 | 0.07 | 0.42 | 0.43 |
| EPHA1 | 338 | 278 | 0.02 | 0.08 | 1.19 | 1.24 |
| STMN4 | 183 | 151 | 0.02 | 0.01 | 0.65 | 0.67 |
| CIB1 | 152 | 125 | 0.07 | 0.08 | 0.54 | 0.56 |
| HDAC9 | 296 | 243 | 0.01 | 0.10 | 1.04 | 1.08 |
| FABP4 | 135 | 111 | 0.04 | 0.18 | 0.48 | 0.49 |
| DNA Polymerase alpha | 222 | 183 | 0.03 | 0.02 | 0.78 | 0.81 |
| LATH | 416 | 342 | 0.29 | 0.21 | 1.47 | 1.52 |
| GPR152 | 261 | 215 | 0.13 | 0.08 | 0.92 | 0.95 |
| Cyclin F | 691 | 567 | 0.06 | 0.02 | 2.44 | 2.52 |
| PIK3R5 | 201 | 165 | 0.06 | 0.10 | 0.71 | 0.73 |
| p14 ARF | 366 | 300 | 0.08 | 0.04 | 1.29 | 1.33 |
| 14-3-3 eta | 229 | 188 | 0.02 | 0.08 | 0.81 | 0.83 |
| DOK4 | 192 | 158 | 0.02 | 0.05 | 0.68 | 0.70 |
| PDGFR alpha | 405 | 332 | 0.02 | 0.02 | 1.43 | 1.47 |
| ZADH1 | 169 | 139 | 0.02 | 0.07 | 0.60 | 0.62 |
| Ku70 | 272 | 223 | 0.05 | 0.06 | 0.96 | 0.99 |
| R-spondin 1 | 130 | 107 | 0.03 | 0.02 | 0.46 | 0.47 |
| PDGFR beta | 141 | 116 | 0.02 | 0.07 | 0.50 | 0.51 |
| CDKA2 | 227 | 186 | 0.00 | 0.01 | 0.80 | 0.83 |
| MAP2K2 (MEK2) | 133 | 109 | 0.03 | 0.06 | 0.47 | 0.48 |
| LHR2A | 271 | 222 | 0.02 | 0.04 | 0.96 | 0.99 |
| PDK2 | 284 | 233 | 0.07 | 0.07 | 1.00 | 1.03 |
| DNAJB11 | 256 | 210 | 0.17 | 0.03 | 0.90 | 0.93 |
| NCOA3 | 206 | 169 | 0.08 | 0.01 | 0.73 | 0.75 |
| BAGE4 | 236 | 193 | 0.02 | 0.06 | 0.83 | 0.86 |
| CNN2 | 252 | 206 | 0.04 | 0.11 | 0.89 | 0.92 |
| LILRA2 | 192 | 157 | 0.11 | 0.00 | 0.68 | 0.70 |
| BUB3 | 235 | 192 | 0.07 | 0.07 | 0.83 | 0.85 |
| CPB2 | 235 | 192 | 0.05 | 0.05 | 0.83 | 0.85 |
| ELOVL1 | 210 | 172 | 0.11 | 0.05 | 0.74 | 0.76 |
| KLHL3 | 207 | 169 | 0.05 | 0.00 | 0.73 | 0.75 |
| APAF-1-ALT | 343 | 280 | 0.02 | 0.00 | 1.21 | 1.25 |
| MAP3KL4 | 708 | 578 | 0.07 | 0.05 | 2.50 | 2.57 |
| DGKH | 261 | 213 | 0.13 | 0.13 | 0.92 | 0.95 |
| COX7S/A2 | 283 | 231 | 0.02 | 0.12 | 1.00 | 1.03 |
| CAMK5 | 228 | 186 | 0.06 | 0.03 | 0.80 | 0.83 |
| TBP | 227 | 185 | 0.07 | 0.05 | 0.80 | 0.82 |
| S100 A1 | 437 | 356 | 0.03 | 0.01 | 1.54 | 1.58 |
| CHST6 | 270 | 220 | 0.03 | 0.04 | 0.95 | 0.98 |
| GSK3 alpha | 135 | 110 | 0.01 | 0.03 | 0.48 | 0.49 |
| IL-10 | 175 | 142 | 0.05 | 0.01 | 0.62 | 0.63 |
| Keratin 20 | 298 | 242 | 0.10 | 0.04 | 1.05 | 1.08 |
| LDOC1L | 300 | 244 | 0.02 | 0.02 | 1.06 | 1.09 |
| GCNT7 | 279 | 227 | 0.05 | 0.02 | 0.98 | 1.01 |
| CDCA7 | 305 | 248 | 0.10 | 0.07 | 1.08 | 1.10 |
| mGluR7 | 375 | 305 | 0.08 | 0.07 | 1.32 | 1.35 |
| BUB1 | 270 | 220 | 0.10 | 0.04 | 0.95 | 0.98 |
| PLA2G4D | 289 | 235 | 0.00 | 0.06 | 1.02 | 1.04 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* 283 225

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| ARHGEF12 | 1.02 | ARHGEF12 | 267 | 217 | 0.06 | 0.08 | 0.94 | 0.97 |
| RASSF6 | 1.02 | RASSF6 | 221 | 180 | 0.04 | 0.21 | 0.78 | 0.80 |
| MMP-1 | 1.02 | MMP-1 | 421 | 342 | 0.02 | 0.13 | 1.49 | 1.52 |
| GPRIN1 | 1.02 | GPRIN1 | 298 | 242 | 0.02 | 0.05 | 1.05 | 1.08 |
| TNF11 | 1.02 | TNF11 | 298 | 242 | 0.05 | 0.11 | 1.05 | 1.08 |
| Hepatitis B Surface Antigen | 1.02 | Hepatitis B Surface Antigen | 168 | 136 | 0.01 | 0.00 | 0.59 | 0.61 |
| SVOP | 1.02 | SVOP | 168 | 136 | 0.06 | 0.01 | 0.59 | 0.61 |
| PAR1 | 1.02 | PAR1 | 593 | 481 | 0.17 | 0.29 | 2.09 | 2.14 |
| ACVL1 | 1.02 | ACVL1 | 178 | 145 | 0.01 | 0.06 | 0.63 | 0.64 |
| Cytochrome P450 27A1 | 1.02 | Cytochrome P450 27A1 | 332 | 270 | 0.03 | 0.11 | 1.17 | 1.20 |
| KDR (VEGFR2) | 1.02 | KDR (VEGFR2) | 120 | 97 | 0.01 | 0.09 | 0.42 | 0.43 |
| SLU7 | 1.02 | SLU7 | 258 | 209 | 0.02 | 0.08 | 0.91 | 0.93 |
| MMP-15 | 1.02 | MMP-15 | 292 | 237 | 0.22 | 0.08 | 1.03 | 1.05 |
| SHIP1 | 1.02 | SHIP1 | 528 | 429 | 0.01 | 0.02 | 1.87 | 1.91 |
| DOK3 | 1.02 | DOK3 | 252 | 205 | 0.12 | 0.07 | 0.89 | 0.91 |
| CEBPE | 1.02 | CEBPE | 533 | 433 | 0.03 | 0.09 | 1.88 | 1.92 |
| EMR2 | 1.02 | EMR2 | 188 | 153 | 0.01 | 0.02 | 0.66 | 0.68 |
| GRK5 | 1.02 | GRK5 | 207 | 168 | 0.03 | 0.07 | 0.73 | 0.75 |
| Calcyclin (S100A6) | 1.02 | Calcyclin (S100A6) | 238 | 193 | 0.07 | 0.02 | 0.84 | 0.86 |
| NSG2 | 1.02 | NSG2 | 230 | 186 | 0.08 | 0.13 | 0.81 | 0.83 |
| USP53 | 1.02 | USP53 | 203 | 165 | 0.08 | 0.04 | 0.72 | 0.73 |
| FAKD1 | 1.02 | FAKD1 | 216 | 175 | 0.03 | 0.12 | 0.76 | 0.78 |
| AP2C | 1.02 | AP2C | 248 | 201 | 0.05 | 0.07 | 0.87 | 0.89 |
| GPR18 | 1.02 | GPR18 | 205 | 166 | 0.05 | 0.07 | 0.72 | 0.74 |
| PARP3 | 1.02 | PARP3 | 155 | 126 | 0.06 | 0.02 | 0.55 | 0.56 |
| C9 | 1.02 | C9 | 533 | 432 | 0.13 | 0.00 | 1.88 | 1.92 |
| Stefin B | 1.02 | Stefin B | 286 | 232 | 0.06 | 0.10 | 1.01 | 1.03 |
| NFRKB | 1.02 | NFRKB | 255 | 206 | 0.03 | 0.02 | 0.90 | 0.92 |
| LW-1 | 1.02 | LW-1 | 181 | 147 | 0.18 | 0.04 | 0.64 | 0.65 |
| CRP | 1.02 | CRP | 171 | 138 | 0.08 | 0.18 | 0.60 | 0.61 |
| HOXB2 | 1.02 | HOXB2 | 186 | 151 | 0.11 | 0.03 | 0.66 | 0.67 |
| S100B | 1.02 | S100B | 134 | 108 | 0.04 | 0.03 | 0.47 | 0.48 |
| SLC4A8/10 | 1.02 | SLC4A8/10 | 181 | 146 | 0.04 | 0.05 | 0.64 | 0.65 |
| RSK1 (p90 RSK) | 1.02 | RSK1 (p90 RSK) | 139 | 112 | 0.07 | 0.04 | 0.49 | 0.50 |
| Collagen VI alpha3 | 1.02 | Collagen VI alpha3 | 243 | 197 | 0.02 | 0.04 | 0.86 | 0.87 |
| PLK2 | 1.02 | PLK2 | 350 | 283 | 0.03 | 0.06 | 1.24 | 1.26 |
| ZHX2 | 1.02 | ZHX2 | 248 | 201 | 0.03 | 0.08 | 0.88 | 0.89 |
| Calnexin | 1.02 | Calnexin | 180 | 146 | 0.09 | 0.05 | 0.64 | 0.65 |
| IPKA | 1.02 | IPKA | 282 | 228 | 0.02 | 0.00 | 0.99 | 1.01 |
| ROR1 | 1.02 | ROR1 | 209 | 169 | 0.02 | 0.13 | 0.74 | 0.75 |
| Angiopoietin-1 | 1.02 | Angiopoietin-1 | 151 | 122 | 0.23 | 0.01 | 0.53 | 0.54 |
| CD154 (sCD40-Ligand) | 1.02 | CD154 (sCD40-Ligand) | 115 | 93 | 0.04 | 0.04 | 0.40 | 0.41 |
| ATPAF2 | 1.02 | ATPAF2 | 273 | 220 | 0.03 | 0.01 | 0.96 | 0.98 |
| CST1 | 1.02 | CST1 | 197 | 159 | 0.08 | 0.20 | 0.70 | 0.71 |
| Akt | 1.02 | Akt | 311 | 251 | 0.02 | 0.05 | 1.10 | 1.12 |
| Septin-2 | 1.02 | Septin-2 | 253 | 204 | 0.04 | 0.03 | 0.89 | 0.91 |
| KLKB1 (heavy chain,Cleaved-Arg390) | 1.02 | KLKB1 (heavy chain,Cleaved-Arg390) | 635 | 512 | 0.20 | 0.06 | 2.24 | 2.28 |
| 4-Mar | 1.01 | 4-Mar | 201 | 162 | 0.04 | 0.05 | 0.71 | 0.72 |
| TSH1 | 1.01 | TSH1 | 278 | 224 | 0.04 | 0.05 | 0.98 | 1.00 |
| 5-HT-2C | 1.01 | 5-HT-2C | 226 | 182 | 0.03 | 0.01 | 0.80 | 0.81 |
| ELOVL3 | 1.01 | ELOVL3 | 249 | 201 | 0.08 | 0.10 | 0.88 | 0.89 |

## Antibody Array Assay Results

**Signaling Explorer Antibody Array**

| Protein List | Fold Change between Samples<br>Smaller Sample/Bigger Sample |
|---|---|
| Urocortin | 1.01 |
| FAM84B | 1.01 |
| PLA2G4C | 1.01 |
| HLA-DOA | 1.01 |
| Histone 1F0 | 1.01 |
| CBR3 | 1.01 |
| C1S (heavy chain,Cleaved-Arg437) | 1.01 |
| AIFM2 | 1.01 |
| GNL3L | 1.01 |
| PTK6 (breast tumor kinase) | 1.01 |
| ZAP70 | 1.01 |
| RFPL4A | 1.01 |
| LPL | 1.01 |
| FOXB1/2 | 1.01 |
| DJ-1 | 1.01 |
| Cytochrome P450 2W1 | 1.01 |
| SIAH1 | 1.01 |
| 6-Phosphofructo-2-Kinase | 1.01 |
| HER2 | 1.01 |
| DCC | 1.01 |
| DOK6 | 1.01 |
| A26C2/3 | 1.01 |
| LIMK1 | 1.01 |
| EPN2 | 1.01 |
| PIGH | 1.01 |
| Gamma-glutamyltransferase 4 (heavy ch | 1.01 |
| NEGR1 | 1.01 |
| CLDN19 | 1.01 |
| MYH14 | 1.01 |
| HMG20B | 1.01 |
| STEA3 | 1.01 |
| Synuclein-pan | 1.01 |
| Cytochrome P450 7B1 | 1.01 |
| S100Z | 1.01 |
| CD44 | 1.01 |
| Mevalonate Kinase | 1.01 |
| Histone H3 (Acetyl-Lys27) | 1.01 |
| CYB5R3 | 1.01 |
| IL-1 alpha | 1.01 |
| BCLW | 1.01 |
| PTEN | 1.01 |
| CBLN2 | 1.01 |
| GSK3 beta | 1.01 |
| DNAL1 | 1.01 |
| CATL1 (heavy chain,Cleaved-Thr288) | 1.01 |
| TAF6L | 1.01 |
| DCT | 1.01 |
| EPHB6 | 1.01 |
| RABEP1 | 1.01 |
| ITGA5 (heavy chain,Cleaved-Phe42) | 1.01 |

## Assay Data

*Median Signal* *283* *225*

| Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|
| | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| Urocortin | 270 | 217 | 0.01 | 0.06 | 0.95 | 0.97 |
| FAM84B | 257 | 207 | 0.14 | 0.05 | 0.91 | 0.92 |
| PLA2G4C | 259 | 209 | 0.04 | 0.21 | 0.92 | 0.93 |
| HLA-DOA | 180 | 145 | 0.05 | 0.03 | 0.63 | 0.64 |
| Histone 1F0 | 485 | 390 | 0.02 | 0.09 | 1.71 | 1.74 |
| CBR3 | 228 | 184 | 0.06 | 0.03 | 0.81 | 0.82 |
| C1S (heavy chain,Cleaved-Arg437) | 354 | 285 | 0.06 | 0.07 | 1.25 | 1.27 |
| AIFM2 | 256 | 206 | 0.09 | 0.05 | 0.90 | 0.92 |
| GNL3L | 159 | 128 | 0.07 | 0.03 | 0.56 | 0.57 |
| PTK6 (breast tumor kinase) | 118 | 95 | 0.02 | 0.08 | 0.42 | 0.42 |
| ZAP70 | 120 | 97 | 0.02 | 0.05 | 0.42 | 0.43 |
| RFPL4A | 225 | 181 | 0.09 | 0.14 | 0.79 | 0.80 |
| LPL | 151 | 121 | 0.03 | 0.14 | 0.53 | 0.54 |
| FOXB1/2 | 265 | 213 | 0.00 | 0.10 | 0.94 | 0.95 |
| DJ-1 | 436 | 350 | 0.00 | 0.03 | 1.54 | 1.56 |
| Cytochrome P450 2W1 | 499 | 401 | 0.07 | 0.08 | 1.76 | 1.78 |
| SIAH1 | 247 | 198 | 0.01 | 0.01 | 0.87 | 0.88 |
| 6-Phosphofructo-2-Kinase | 310 | 249 | 0.04 | 0.11 | 1.10 | 1.11 |
| HER2 | 310 | 249 | 0.05 | 0.09 | 1.10 | 1.11 |
| DCC | 219 | 176 | 0.18 | 0.00 | 0.77 | 0.78 |
| DOK6 | 290 | 233 | 0.00 | 0.03 | 1.02 | 1.03 |
| A26C2/3 | 267 | 214 | 0.05 | 0.11 | 0.94 | 0.95 |
| LIMK1 | 236 | 190 | 0.02 | 0.05 | 0.83 | 0.84 |
| EPN2 | 264 | 212 | 0.07 | 0.02 | 0.93 | 0.94 |
| PIGH | 264 | 212 | 0.19 | 0.05 | 0.93 | 0.94 |
| Gamma-glutamyltransferase 4 (heavy chain, Cleaved | 251 | 201 | 0.02 | 0.06 | 0.89 | 0.89 |
| NEGR1 | 251 | 201 | 0.04 | 0.02 | 0.89 | 0.89 |
| CLDN19 | 294 | 236 | 0.05 | 0.00 | 1.04 | 1.05 |
| MYH14 | 177 | 142 | 0.13 | 0.09 | 0.63 | 0.63 |
| HMG20B | 190 | 152 | 0.06 | 0.01 | 0.67 | 0.68 |
| STEA3 | 270 | 217 | 0.06 | 0.05 | 0.95 | 0.96 |
| Synuclein-pan | 356 | 285 | 0.01 | 0.05 | 1.26 | 1.27 |
| Cytochrome P450 7B1 | 182 | 146 | 0.00 | 0.06 | 0.64 | 0.65 |
| S100Z | 398 | 319 | 0.08 | 0.01 | 1.41 | 1.42 |
| CD44 | 134 | 107 | 0.01 | 0.01 | 0.47 | 0.48 |
| Mevalonate Kinase | 277 | 222 | 0.04 | 0.06 | 0.98 | 0.99 |
| Histone H3 (Acetyl-Lys27) | 257 | 206 | 0.07 | 0.14 | 0.91 | 0.91 |
| CYB5R3 | 304 | 244 | 0.05 | 0.20 | 1.07 | 1.08 |
| IL-1 alpha | 108 | 87 | 0.04 | 0.06 | 0.38 | 0.38 |
| BCLW | 354 | 284 | 0.06 | 0.00 | 1.25 | 1.26 |
| PTEN | 128 | 103 | 0.01 | 0.06 | 0.45 | 0.46 |
| CBLN2 | 261 | 209 | 0.04 | 0.07 | 0.92 | 0.93 |
| GSK3 beta | 161 | 129 | 0.02 | 0.07 | 0.57 | 0.57 |
| DNAL1 | 238 | 191 | 0.04 | 0.09 | 0.84 | 0.85 |
| CATL1 (heavy chain,Cleaved-Thr288) | 246 | 197 | 0.08 | 0.10 | 0.87 | 0.87 |
| TAF6L | 251 | 201 | 0.00 | 0.11 | 0.89 | 0.89 |
| DCT | 193 | 154 | 0.07 | 0.02 | 0.68 | 0.69 |
| EPHB6 | 220 | 176 | 0.05 | 0.04 | 0.78 | 0.78 |
| RABEP1 | 240 | 192 | 0.08 | 0.04 | 0.85 | 0.85 |
| ITGA5 (heavy chain,Cleaved-Phe42) | 148 | 118 | 0.02 | 0.01 | 0.52 | 0.53 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* *283* *225*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| ULK3 | 1.01 | ULK3 | 250 | 200 | 0.00 | 0.08 | 0.88 | 0.89 |
| 5-Mar | 1.01 | 5-Mar | 235 | 188 | 0.02 | 0.07 | 0.83 | 0.83 |
| ACTN 1/2/3/4 | 1.01 | ACTN 1/2/3/4 | 235 | 188 | 0.02 | 0.09 | 0.83 | 0.83 |
| G3BP2 | 1.01 | G3BP2 | 319 | 255 | 0.02 | 0.12 | 1.13 | 1.13 |
| A1BG | 1.01 | A1BG | 159 | 127 | 0.04 | 0.04 | 0.56 | 0.57 |
| JNKK | 1.01 | JNKK | 241 | 192 | 0.01 | 0.07 | 0.85 | 0.85 |
| CDCA2 | 1.01 | CDCA2 | 298 | 238 | 0.03 | 0.04 | 1.05 | 1.06 |
| Flt3 ligand | 1.01 | Flt3 ligand | 278 | 222 | 0.00 | 0.02 | 0.98 | 0.99 |
| TOP2A | 1.00 | TOP2A | 302 | 241 | 0.05 | 0.04 | 1.07 | 1.07 |
| MATK (CTK) | 1.00 | MATK (CTK) | 121 | 97 | 0.05 | 0.04 | 0.43 | 0.43 |
| Mucin-14 | 1.00 | Mucin-14 | 249 | 199 | 0.05 | 0.00 | 0.88 | 0.88 |
| TALL-2 | 1.00 | TALL-2 | 311 | 248 | 0.13 | 0.02 | 1.10 | 1.10 |
| HPRT | 1.00 | HPRT | 131 | 104 | 0.01 | 0.03 | 0.46 | 0.46 |
| CLK2 | 1.00 | CLK2 | 187 | 149 | 0.02 | 0.03 | 0.66 | 0.66 |
| LEG9 | 1.00 | LEG9 | 246 | 196 | 0.14 | 0.01 | 0.87 | 0.87 |
| MUM1 | 1.00 | MUM1 | 271 | 216 | 0.05 | 0.15 | 0.96 | 0.96 |
| SLC24A4 | 1.00 | SLC24A4 | 180 | 143 | 0.04 | 0.00 | 0.63 | 0.64 |
| AFP | 1.00 | AFP | 1365 | 1087 | 0.07 | 0.02 | 4.82 | 4.84 |
| CD10 | 1.00 | CD10 | 128 | 102 | 0.03 | 0.12 | 0.45 | 0.45 |
| 2-Mar | 1.00 | 2-Mar | 451 | 359 | 0.08 | 0.15 | 1.59 | 1.60 |
| RAB7L1 | 1.00 | RAB7L1 | 284 | 226 | 0.07 | 0.08 | 1.00 | 1.01 |
| STAT5A/B | 1.00 | STAT5A/B | 396 | 315 | 0.02 | 0.04 | 1.40 | 1.40 |
| CD3EAP | 1.00 | CD3EAP | 456 | 363 | 0.11 | 0.08 | 1.61 | 1.61 |
| EPHB2 | 1.00 | EPHB2 | 290 | 231 | 0.07 | 0.01 | 1.02 | 1.03 |
| ATP6V1H | 1.00 | ATP6V1H | 229 | 182 | 0.21 | 0.02 | 0.81 | 0.81 |
| Keratin 19 | 1.00 | Keratin 19 | 305 | 242 | 0.01 | 0.08 | 1.08 | 1.08 |
| CHD4 | 1.00 | CHD4 | 246 | 196 | 0.02 | 0.04 | 0.87 | 0.87 |
| Collagen V alpha2 | 1.00 | Collagen V alpha2 | 239 | 190 | 0.05 | 0.13 | 0.84 | 0.84 |
| p19 INK4d | 1.00 | p19 INK4d | 270 | 215 | 0.04 | 0.04 | 0.95 | 0.95 |
| ERAB | 1.00 | ERAB | 501 | 398 | 0.13 | 0.07 | 1.77 | 1.77 |
| ENDOGL1 | 1.00 | ENDOGL1 | 241 | 191 | 0.04 | 0.01 | 0.85 | 0.85 |
| SLC5A3 | 1.00 | SLC5A3 | 192 | 152 | 0.08 | 0.11 | 0.68 | 0.68 |
| EFNA5 | 1.00 | EFNA5 | 221 | 175 | 0.06 | 0.10 | 0.78 | 0.78 |
| LAMA3 | 1.00 | LAMA3 | 264 | 210 | 0.04 | 0.03 | 0.93 | 0.93 |
| cTnI (TNNI3) | 1.00 | cTnI (TNNI3) | 145 | 115 | 0.01 | 0.04 | 0.51 | 0.51 |
| PGP9.5 | 1.00 | PGP9.5 | 290 | 230 | 0.05 | 0.01 | 1.02 | 1.02 |
| IL-8 | 1.00 | IL-8 | 138 | 109 | 0.04 | 0.06 | 0.49 | 0.48 |
| RHG17 | 1.00 | RHG17 | 287 | 228 | 0.13 | 0.05 | 1.01 | 1.01 |
| DFFA | 1.00 | DFFA | 388 | 308 | 0.04 | 0.03 | 1.37 | 1.37 |
| Myoglobin | 1.00 | Myoglobin | 154 | 122 | 0.01 | 0.05 | 0.54 | 0.54 |
| STAT5A | 1.00 | STAT5A | 229 | 181 | 0.03 | 0.01 | 0.81 | 0.81 |
| LDLRAD2 | 1.00 | LDLRAD2 | 178 | 141 | 0.09 | 0.07 | 0.63 | 0.63 |
| Osteopontin | 1.00 | Osteopontin | 350 | 277 | 0.07 | 0.01 | 1.24 | 1.23 |
| PCNA | 1.00 | PCNA | 312 | 247 | 0.01 | 0.04 | 1.10 | 1.10 |
| DNA-PK | 1.00 | DNA-PK | 436 | 345 | 0.05 | 0.09 | 1.54 | 1.53 |
| TUBGCP4 | 1.00 | TUBGCP4 | 268 | 212 | 0.13 | 0.05 | 0.95 | 0.94 |
| CHST2 | 1.00 | CHST2 | 323 | 256 | 0.01 | 0.04 | 1.14 | 1.14 |
| PTTG1 | 1.00 | PTTG1 | 325 | 257 | 0.12 | 0.07 | 1.15 | 1.14 |
| AURKB | 1.00 | AURKB | 127 | 100 | 0.04 | 0.03 | 0.45 | 0.44 |
| IKK-gamma | 1.00 | IKK-gamma | 315 | 249 | 0.10 | 0.03 | 1.11 | 1.11 |
| PLA2G4E | 1.00 | PLA2G4E | 263 | 208 | 0.03 | 0.19 | 0.93 | 0.92 |
| ABHD14B | 1.00 | ABHD14B | 186 | 147 | 0.10 | 0.08 | 0.66 | 0.65 |
| ADCY8 | 1.00 | ADCY8 | 248 | 196 | 0.03 | 0.01 | 0.88 | 0.87 |
| Free PSA (KLK3) | 1.00 | Free PSA (KLK3) | 124 | 98 | 0.06 | 0.12 | 0.44 | 0.44 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* *283* *225*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| ADK | 0.99 | ADK | 391 | 309 | 0.00 | 0.14 | 1.38 | 1.37 |
| Serpin A5 | 0.99 | Serpin A5 | 238 | 188 | 0.07 | 0.05 | 0.84 | 0.84 |
| RASSF2 | 0.99 | RASSF2 | 923 | 729 | 0.03 | 0.03 | 3.26 | 3.24 |
| MSH6 | 0.99 | MSH6 | 281 | 222 | 0.00 | 0.05 | 0.99 | 0.99 |
| FGF-1 | 0.99 | FGF-1 | 105 | 83 | 0.01 | 0.04 | 0.37 | 0.37 |
| Integrin beta5 | 0.99 | Integrin beta5 | 282 | 223 | 0.24 | 0.12 | 1.00 | 0.99 |
| Collagen XXV alpha1 | 0.99 | Collagen XXV alpha1 | 197 | 155 | 0.01 | 0.16 | 0.69 | 0.69 |
| EFEMP1 | 0.99 | EFEMP1 | 258 | 204 | 0.00 | 0.02 | 0.91 | 0.91 |
| NRBF2 | 0.99 | NRBF2 | 239 | 189 | 0.00 | 0.03 | 0.84 | 0.84 |
| CER1 | 0.99 | CER1 | 133 | 105 | 0.03 | 0.07 | 0.47 | 0.46 |
| SRC | 0.99 | SRC | 130 | 103 | 0.02 | 0.02 | 0.46 | 0.46 |
| FHIT | 0.99 | FHIT | 397 | 313 | 0.04 | 0.10 | 1.40 | 1.39 |
| Amylin | 0.99 | Amylin | 376 | 296 | 0.08 | 0.02 | 1.33 | 1.32 |
| Histone H2B | 0.99 | Histone H2B | 279 | 220 | 0.01 | 0.02 | 0.98 | 0.98 |
| Cytochrome P450 2A6 | 0.99 | Cytochrome P450 2A6 | 271 | 214 | 0.09 | 0.08 | 0.96 | 0.95 |
| SLK | 0.99 | SLK | 219 | 173 | 0.06 | 0.02 | 0.77 | 0.77 |
| LAMA5 | 0.99 | LAMA5 | 217 | 171 | 0.06 | 0.07 | 0.77 | 0.76 |
| CBLN1 | 0.99 | CBLN1 | 301 | 237 | 0.04 | 0.07 | 1.06 | 1.05 |
| Collagen XVIII alpha1 | 0.99 | Collagen XVIII alpha1 | 245 | 193 | 0.03 | 0.07 | 0.86 | 0.86 |
| CBP (Acetyl-Lys1535) | 0.99 | CBP (Acetyl-Lys1535) | 186 | 146 | 0.07 | 0.03 | 0.66 | 0.65 |
| MAST3 | 0.99 | MAST3 | 314 | 247 | 0.02 | 0.02 | 1.11 | 1.10 |
| RPC8 | 0.99 | RPC8 | 284 | 223 | 0.17 | 0.07 | 1.00 | 0.99 |
| MSH2 | 0.99 | MSH2 | 544 | 428 | 0.21 | 0.09 | 1.92 | 1.90 |
| Elk1 | 0.99 | Elk1 | 269 | 212 | 0.06 | 0.08 | 0.95 | 0.94 |
| CNKR2 | 0.99 | CNKR2 | 206 | 162 | 0.05 | 0.00 | 0.73 | 0.72 |
| Collagen IV alpha3 (Cleaved-Pro1426) | 0.99 | Collagen IV alpha3 (Cleaved-Pro1426) | 220 | 173 | 0.08 | 0.09 | 0.78 | 0.77 |
| GABRA6 | 0.99 | GABRA6 | 236 | 185 | 0.12 | 0.04 | 0.83 | 0.82 |
| Caspase 6 (Cleaved-Asp162) | 0.99 | Caspase 6 (Cleaved-Asp162) | 310 | 244 | 0.04 | 0.07 | 1.10 | 1.08 |
| EGF | 0.99 | EGF | 138 | 108 | 0.10 | 0.01 | 0.49 | 0.48 |
| HSF2 | 0.99 | HSF2 | 399 | 313 | 0.13 | 0.08 | 1.41 | 1.39 |
| Keratin 1 (CK1) | 0.99 | Keratin 1 (CK1) | 124 | 97 | 0.01 | 0.15 | 0.44 | 0.43 |
| SH-PTP2 | 0.99 | SH-PTP2 | 394 | 309 | 0.02 | 0.04 | 1.39 | 1.37 |
| Collagen XIX alpha1 | 0.99 | Collagen XIX alpha1 | 270 | 212 | 0.05 | 0.09 | 0.95 | 0.94 |
| SLC17A2 | 0.99 | SLC17A2 | 175 | 137 | 0.08 | 0.01 | 0.62 | 0.61 |
| FES | 0.99 | FES | 305 | 239 | 0.01 | 0.07 | 1.08 | 1.06 |
| SIRPB1 | 0.99 | SIRPB1 | 384 | 301 | 0.18 | 0.01 | 1.36 | 1.34 |
| HOXA11/D11 | 0.99 | HOXA11/D11 | 232 | 182 | 0.07 | 0.01 | 0.82 | 0.81 |
| Smad4 | 0.99 | Smad4 | 200 | 157 | 0.05 | 0.00 | 0.70 | 0.70 |
| DNA Polymerase theta | 0.99 | DNA Polymerase theta | 378 | 297 | 0.02 | 0.02 | 1.34 | 1.32 |
| Annexin A6 | 0.99 | Annexin A6 | 404 | 317 | 0.04 | 0.05 | 1.43 | 1.41 |
| CATD (light chain,Cleaved-Gly65) | 0.99 | CATD (light chain,Cleaved-Gly65) | 230 | 180 | 0.02 | 0.07 | 0.81 | 0.80 |
| MMP15 (Cleaved-Tyr132) | 0.99 | MMP15 (Cleaved-Tyr132) | 197 | 155 | 0.10 | 0.05 | 0.70 | 0.69 |
| Collagen IV alpha3 | 0.99 | Collagen IV alpha3 | 271 | 213 | 0.01 | 0.01 | 0.96 | 0.95 |
| CDC25C | 0.99 | CDC25C | 162 | 127 | 0.12 | 0.14 | 0.57 | 0.57 |
| CHST8 | 0.99 | CHST8 | 236 | 185 | 0.04 | 0.02 | 0.83 | 0.82 |
| POTE8 | 0.99 | POTE8 | 317 | 248 | 0.04 | 0.07 | 1.12 | 1.10 |
| PTH (Parathyroid Hormone ) | 0.99 | PTH (Parathyroid Hormone ) | 127 | 100 | 0.01 | 0.11 | 0.45 | 0.44 |
| ERK2 | 0.99 | ERK2 | 139 | 109 | 0.04 | 0.03 | 0.49 | 0.48 |
| GATA1 | 0.99 | GATA1 | 139 | 109 | 0.04 | 0.08 | 0.49 | 0.48 |
| MARK2 | 0.99 | MARK2 | 259 | 203 | 0.10 | 0.09 | 0.91 | 0.90 |
| BRI3B | 0.99 | BRI3B | 305 | 239 | 0.03 | 0.06 | 1.08 | 1.06 |
| CKI-gamma2 | 0.99 | CKI-gamma2 | 277 | 217 | 0.05 | 0.00 | 0.98 | 0.96 |
| PARP (Cleaved-Asp214) | 0.99 | PARP (Cleaved-Asp214) | 417 | 327 | 0.03 | 0.01 | 1.47 | 1.45 |
| IL-6 | 0.99 | IL-6 | 129 | 101 | 0.03 | 0.06 | 0.46 | 0.45 |
| KCNK15 | 0.99 | KCNK15 | 226 | 177 | 0.08 | 0.07 | 0.80 | 0.79 |

## Antibody Array Assay Results

Signaling Explorer Antibody Array

| Protein List | Fold Change between Samples<br>Smaller Sample/Bigger Sample |
|---|---|
| SIX5 | 0.99 |
| C3AR1 | 0.99 |
| CHK1 | 0.99 |
| Notch 2 (Cleaved-Ala1734) | 0.98 |
| CLCC1 | 0.98 |
| ALDOB | 0.98 |
| YES1 | 0.98 |
| Septin-1 | 0.98 |
| TOP3B | 0.98 |
| CDCA3 | 0.98 |
| CBLN3 | 0.98 |
| BLCAP | 0.98 |
| JAK3 | 0.98 |
| STYK1 | 0.98 |
| PARK7 | 0.98 |
| Septin-3 | 0.98 |
| IgE | 0.98 |
| RPC4 | 0.98 |
| IKBKB (IKK beta) | 0.98 |
| RPC1 | 0.98 |
| MIPT3 | 0.98 |
| FADD | 0.98 |
| TNFL4 | 0.98 |
| Collagen IV alpha5 | 0.98 |
| CSTF2T | 0.98 |
| ABHD12B | 0.98 |
| SLC5A6 | 0.98 |
| CLIC3 | 0.98 |
| LEG7 | 0.98 |
| MYST1 | 0.98 |
| CKI-alpha1/L | 0.98 |
| BMX (ETK) | 0.98 |
| CD38 | 0.98 |
| RTN3 | 0.98 |
| CDH4 | 0.98 |
| ZP1 | 0.98 |
| CLIC4 | 0.98 |
| ALDH1A2 | 0.98 |
| Neuropsin (Cleaved-Val33) | 0.98 |
| AGR3 | 0.98 |
| CDH11 | 0.98 |
| GPRIN3 | 0.98 |
| CIB2 | 0.98 |
| TUFM | 0.98 |
| C1S | 0.98 |
| ADRB1 | 0.98 |
| RDX | 0.98 |
| Fibulin 5 | 0.98 |
| HLAH | 0.98 |
| Connexin 43 | 0.98 |
| MEF2C | 0.98 |
| COX41 | 0.97 |
| BAGE3 | 0.97 |
| PRKY | 0.97 |
| Ku70/80 | 0.97 |
| Collagen I alpha2 (Cleaved-Gly1102) | 0.97 |

## Assay Data

*Median Signal* *283* *225*

| Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|
| | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| SIX5 | 184 | 144 | 0.12 | 0.11 | 0.65 | 0.64 |
| C3AR1 | 246 | 193 | 0.02 | 0.09 | 0.87 | 0.86 |
| CHK1 | 124 | 97 | 0.03 | 0.04 | 0.44 | 0.43 |
| Notch 2 (Cleaved-Ala1734) | 218 | 170 | 0.04 | 0.07 | 0.77 | 0.76 |
| CLCC1 | 238 | 186 | 0.00 | 0.11 | 0.84 | 0.83 |
| ALDOB | 215 | 168 | 0.02 | 0.13 | 0.76 | 0.75 |
| YES1 | 140 | 109 | 0.05 | 0.05 | 0.49 | 0.48 |
| Septin-1 | 343 | 268 | 0.00 | 0.12 | 1.21 | 1.19 |
| TOP3B | 304 | 238 | 0.06 | 0.07 | 1.07 | 1.06 |
| CDCA3 | 345 | 270 | 0.07 | 0.07 | 1.22 | 1.20 |
| CBLN3 | 270 | 211 | 0.15 | 0.04 | 0.95 | 0.94 |
| BLCAP | 512 | 400 | 0.02 | 0.04 | 1.81 | 1.78 |
| JAK3 | 137 | 107 | 0.07 | 0.05 | 0.48 | 0.48 |
| STYK1 | 183 | 143 | 0.03 | 0.09 | 0.64 | 0.63 |
| PARK7 | 169 | 132 | 0.08 | 0.05 | 0.60 | 0.59 |
| Septin-3 | 218 | 170 | 0.02 | 0.06 | 0.77 | 0.76 |
| IgE | 143 | 112 | 0.01 | 0.04 | 0.51 | 0.50 |
| RPC4 | 275 | 214 | 0.06 | 0.09 | 0.97 | 0.95 |
| IKBKB (IKK beta) | 127 | 99 | 0.04 | 0.03 | 0.45 | 0.44 |
| RPC1 | 399 | 311 | 0.09 | 0.05 | 1.41 | 1.38 |
| MIPT3 | 215 | 168 | 0.06 | 0.00 | 0.76 | 0.75 |
| FADD | 312 | 243 | 0.10 | 0.05 | 1.10 | 1.08 |
| TNFL4 | 271 | 211 | 0.05 | 0.05 | 0.96 | 0.94 |
| Collagen IV alpha5 | 296 | 230 | 0.04 | 0.08 | 1.04 | 1.02 |
| CSTF2T | 262 | 204 | 0.03 | 0.01 | 0.92 | 0.91 |
| ABHD12B | 228 | 177 | 0.05 | 0.02 | 0.80 | 0.79 |
| SLC5A6 | 246 | 191 | 0.07 | 0.05 | 0.87 | 0.85 |
| CLIC3 | 252 | 196 | 0.02 | 0.02 | 0.89 | 0.87 |
| LEG7 | 288 | 224 | 0.04 | 0.10 | 1.02 | 1.00 |
| MYST1 | 131 | 102 | 0.01 | 0.02 | 0.46 | 0.45 |
| CKI-alpha1/L | 272 | 212 | 0.03 | 0.00 | 0.96 | 0.94 |
| BMX (ETK) | 133 | 103 | 0.07 | 0.04 | 0.47 | 0.46 |
| CD38 | 256 | 199 | 0.17 | 0.01 | 0.90 | 0.89 |
| RTN3 | 265 | 206 | 0.11 | 0.09 | 0.93 | 0.91 |
| CDH4 | 316 | 246 | 0.00 | 0.01 | 1.12 | 1.09 |
| ZP1 | 204 | 158 | 0.14 | 0.05 | 0.72 | 0.70 |
| CLIC4 | 284 | 221 | 0.00 | 0.07 | 1.00 | 0.98 |
| ALDH1A2 | 291 | 226 | 0.11 | 0.01 | 1.03 | 1.00 |
| Neuropsin (Cleaved-Val33) | 244 | 189 | 0.06 | 0.10 | 0.86 | 0.84 |
| AGR3 | 428 | 332 | 0.08 | 0.03 | 1.51 | 1.48 |
| CDH11 | 214 | 166 | 0.01 | 0.09 | 0.76 | 0.74 |
| GPRIN3 | 239 | 185 | 0.04 | 0.05 | 0.84 | 0.82 |
| CIB2 | 294 | 228 | 0.03 | 0.09 | 1.04 | 1.01 |
| TUFM | 216 | 168 | 0.11 | 0.10 | 0.76 | 0.75 |
| C1S | 232 | 180 | 0.08 | 0.14 | 0.82 | 0.80 |
| ADRB1 | 336 | 261 | 0.03 | 0.10 | 1.19 | 1.16 |
| RDX | 296 | 229 | 0.02 | 0.08 | 1.04 | 1.02 |
| Fibulin 5 | 136 | 105 | 0.06 | 0.09 | 0.48 | 0.47 |
| HLAH | 198 | 153 | 0.08 | 0.02 | 0.70 | 0.68 |
| Connexin 43 | 446 | 346 | 0.26 | 0.02 | 1.58 | 1.54 |
| MEF2C | 193 | 150 | 0.03 | 0.07 | 0.68 | 0.67 |
| COX41 | 310 | 240 | 0.06 | 0.01 | 1.09 | 1.07 |
| BAGE3 | 210 | 163 | 0.08 | 0.08 | 0.74 | 0.72 |
| PRKY | 195 | 151 | 0.04 | 0.06 | 0.69 | 0.67 |
| Ku70/80 | 453 | 351 | 0.08 | 0.11 | 1.60 | 1.56 |
| Collagen I alpha2 (Cleaved-Gly1102) | 265 | 205 | 0.07 | 0.07 | 0.94 | 0.91 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* *283* *225*

| **Protein List** | **Fold Change between Samples** | **Protein List** | **Average Signal of Replicate Spots** | | **Coefficient of Variation for Replicates** | | **Data Normalized to Median Signal** | |
|---|---|---|---|---|---|---|---|---|
| | **Smaller Sample/Bigger Sample** | | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** |
| TSH | 0.97 | TSH | 155 | 120 | 0.01 | 0.12 | 0.55 | 0.53 |
| MARK3 | 0.97 | MARK3 | 283 | 219 | 0.06 | 0.06 | 1.00 | 0.97 |
| Thioredoxin (TRX) | 0.97 | Thioredoxin (TRX) | 128 | 99 | 0.00 | 0.04 | 0.45 | 0.44 |
| AXL | 0.97 | AXL | 139 | 108 | 0.07 | 0.09 | 0.49 | 0.48 |
| EPHB4 | 0.97 | EPHB4 | 269 | 208 | 0.04 | 0.05 | 0.95 | 0.93 |
| SLC9A7 | 0.97 | SLC9A7 | 320 | 247 | 0.03 | 0.14 | 1.13 | 1.10 |
| ATF6B | 0.97 | ATF6B | 447 | 346 | 0.03 | 0.04 | 1.58 | 1.54 |
| Collagen III alpha1 (Cleaved-Gly1221) | 0.97 | Collagen III alpha1 (Cleaved-Gly1221) | 302 | 233 | 0.12 | 0.03 | 1.07 | 1.04 |
| DAXX | 0.97 | DAXX | 132 | 102 | 0.01 | 0.00 | 0.47 | 0.45 |
| SLC25A21 | 0.97 | SLC25A21 | 262 | 202 | 0.00 | 0.09 | 0.92 | 0.90 |
| CD34 | 0.97 | CD34 | 130 | 100 | 0.01 | 0.01 | 0.46 | 0.44 |
| Akt3 | 0.97 | Akt3 | 119 | 92 | 0.03 | 0.04 | 0.42 | 0.41 |
| HIPK4 | 0.97 | HIPK4 | 272 | 210 | 0.02 | 0.04 | 0.96 | 0.93 |
| IL-2 | 0.97 | IL-2 | 136 | 105 | 0.02 | 0.08 | 0.48 | 0.47 |
| MSH3 | 0.97 | MSH3 | 338 | 261 | 0.06 | 0.07 | 1.19 | 1.16 |
| USP19 | 0.97 | USP19 | 180 | 139 | 0.04 | 0.03 | 0.63 | 0.62 |
| 4E-BP1 | 0.97 | 4E-BP1 | 166 | 128 | 0.21 | 0.01 | 0.59 | 0.57 |
| FA7 (light chain,Cleaved-Arg212) | 0.97 | FA7 (light chain,Cleaved-Arg212) | 273 | 211 | 0.05 | 0.10 | 0.96 | 0.94 |
| TYRO3 | 0.97 | TYRO3 | 162 | 125 | 0.07 | 0.06 | 0.57 | 0.55 |
| Histone H2B (Acetyl-Lys5) | 0.97 | Histone H2B (Acetyl-Lys5) | 373 | 288 | 0.14 | 0.04 | 1.32 | 1.28 |
| TAF5 | 0.97 | TAF5 | 299 | 230 | 0.01 | 0.06 | 1.05 | 1.02 |
| CARD6 | 0.97 | CARD6 | 436 | 336 | 0.06 | 0.02 | 1.54 | 1.49 |
| ITK (LYK) | 0.97 | ITK (LYK) | 135 | 104 | 0.03 | 0.08 | 0.48 | 0.46 |
| CDCA4 | 0.97 | CDCA4 | 457 | 352 | 0.07 | 0.06 | 1.61 | 1.57 |
| MPRIP | 0.97 | MPRIP | 309 | 238 | 0.02 | 0.01 | 1.09 | 1.06 |
| SMF | 0.97 | SMF | 279 | 215 | 0.02 | 0.02 | 0.98 | 0.95 |
| Caspase 9 (Cleaved-Asp353) | 0.97 | Caspase 9 (Cleaved-Asp353) | 161 | 124 | 0.04 | 0.10 | 0.57 | 0.55 |
| Nucleophosmin (NPM) | 0.97 | Nucleophosmin (NPM) | 207 | 159 | 0.22 | 0.12 | 0.73 | 0.71 |
| IGLL1 | 0.97 | IGLL1 | 185 | 142 | 0.10 | 0.00 | 0.65 | 0.63 |
| Dipeptidyl-peptidase 1 (heavy chain,Clea | 0.97 | Dipeptidyl-peptidase 1 (heavy chain,Cleaved-Arg394) | 284 | 219 | 0.10 | 0.13 | 1.00 | 0.97 |
| ALDOC | 0.97 | ALDOC | 245 | 188 | 0.04 | 0.12 | 0.86 | 0.84 |
| BACH1 | 0.97 | BACH1 | 193 | 148 | 0.05 | 0.04 | 0.68 | 0.66 |
| COX17 | 0.97 | COX17 | 266 | 205 | 0.00 | 0.10 | 0.94 | 0.91 |
| USP32 | 0.97 | USP32 | 335 | 258 | 0.10 | 0.09 | 1.18 | 1.15 |
| Dynamin-1 | 0.97 | Dynamin-1 | 136 | 105 | 0.19 | 0.07 | 0.48 | 0.46 |
| ERCC6 | 0.97 | ERCC6 | 386 | 296 | 0.01 | 0.07 | 1.36 | 1.32 |
| RAB20 | 0.97 | RAB20 | 373 | 286 | 0.01 | 0.14 | 1.32 | 1.27 |
| Prostate Stem Cell Antigen | 0.97 | Prostate Stem Cell Antigen | 357 | 274 | 0.06 | 0.03 | 1.26 | 1.22 |
| SRA | 0.97 | SRA | 179 | 137 | 0.07 | 0.22 | 0.63 | 0.61 |
| C5orf13 | 0.97 | C5orf13 | 245 | 188 | 0.06 | 0.07 | 0.87 | 0.84 |
| CSE1L | 0.97 | CSE1L | 468 | 359 | 0.17 | 0.07 | 1.65 | 1.60 |
| p53 (Acetyl-Lys386) | 0.97 | p53 (Acetyl-Lys386) | 264 | 203 | 0.01 | 0.06 | 0.93 | 0.90 |
| LAMB3 | 0.97 | LAMB3 | 324 | 249 | 0.02 | 0.01 | 1.14 | 1.11 |
| EFNA1 | 0.97 | EFNA1 | 348 | 267 | 0.05 | 0.09 | 1.23 | 1.19 |
| HSP10 | 0.97 | HSP10 | 412 | 316 | 0.00 | 0.09 | 1.45 | 1.40 |
| SLC6A6 | 0.97 | SLC6A6 | 279 | 214 | 0.05 | 0.08 | 0.98 | 0.95 |
| CDKN1B | 0.97 | CDKN1B | 129 | 99 | 0.02 | 0.01 | 0.45 | 0.44 |
| APC | 0.96 | APC | 492 | 377 | 0.06 | 0.01 | 1.74 | 1.68 |
| GATA3 | 0.96 | GATA3 | 139 | 107 | 0.03 | 0.03 | 0.49 | 0.47 |
| MEKKK 4 | 0.96 | MEKKK 4 | 319 | 244 | 0.05 | 0.06 | 1.13 | 1.09 |
| AKR1CL1 | 0.96 | AKR1CL1 | 241 | 185 | 0.16 | 0.14 | 0.85 | 0.82 |
| RAB6A | 0.96 | RAB6A | 250 | 191 | 0.04 | 0.03 | 0.88 | 0.85 |
| p18 INK | 0.96 | p18 INK | 358 | 274 | 0.06 | 0.04 | 1.27 | 1.22 |
| ACOT4 | 0.96 | ACOT4 | 200 | 153 | 0.00 | 0.08 | 0.71 | 0.68 |
| LAMA1 | 0.96 | LAMA1 | 194 | 148 | 0.09 | 0.02 | 0.68 | 0.66 |
| Transglutaminase 2 | 0.96 | Transglutaminase 2 | 396 | 303 | 0.02 | 0.05 | 1.40 | 1.35 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* *283* *225*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| ADD3 | 0.96 | ADD3 | 308 | 235 | 0.06 | 0.01 | 1.09 | 1.05 |
| ARHGEF3 | 0.96 | ARHGEF3 | 221 | 169 | 0.02 | 0.05 | 0.78 | 0.75 |
| Septin-8 | 0.96 | Septin-8 | 288 | 220 | 0.07 | 0.00 | 1.02 | 0.98 |
| LAMA4 | 0.96 | LAMA4 | 352 | 269 | 0.01 | 0.07 | 1.24 | 1.19 |
| TLE4 | 0.96 | TLE4 | 440 | 336 | 0.13 | 0.15 | 1.55 | 1.49 |
| PIGY | 0.96 | PIGY | 231 | 176 | 0.04 | 0.16 | 0.81 | 0.78 |
| Stefin A | 0.96 | Stefin A | 400 | 305 | 0.12 | 0.11 | 1.41 | 1.36 |
| EGR1 | 0.96 | EGR1 | 144 | 110 | 0.04 | 0.03 | 0.51 | 0.49 |
| HMGB1 | 0.96 | HMGB1 | 336 | 256 | 0.06 | 0.02 | 1.19 | 1.14 |
| FGR | 0.96 | FGR | 386 | 295 | 0.02 | 0.02 | 1.36 | 1.31 |
| p15 INK | 0.96 | p15 INK | 485 | 370 | 0.00 | 0.05 | 1.71 | 1.65 |
| STK39 | 0.96 | STK39 | 194 | 148 | 0.00 | 0.02 | 0.69 | 0.66 |
| CA19-9 | 0.96 | CA19-9 | 175 | 134 | 0.15 | 0.01 | 0.62 | 0.59 |
| PRIM1 | 0.96 | PRIM1 | 337 | 257 | 0.12 | 0.07 | 1.19 | 1.14 |
| CD69 | 0.96 | CD69 | 143 | 109 | 0.03 | 0.07 | 0.50 | 0.48 |
| ADA2L | 0.96 | ADA2L | 279 | 212 | 0.03 | 0.07 | 0.98 | 0.94 |
| CDH20 | 0.96 | CDH20 | 293 | 223 | 0.00 | 0.01 | 1.04 | 0.99 |
| MCL-1 | 0.96 | MCL-1 | 136 | 104 | 0.10 | 0.10 | 0.48 | 0.46 |
| Claudin 10 | 0.96 | Claudin 10 | 414 | 315 | 0.01 | 0.04 | 1.46 | 1.40 |
| Glucose-6-phosphate isomerase | 0.96 | Glucose-6-phosphate isomerase | 142 | 108 | 0.02 | 0.05 | 0.50 | 0.48 |
| FGF-2 | 0.96 | FGF-2 | 109 | 83 | 0.06 | 0.03 | 0.38 | 0.37 |
| ATP2C1 | 0.96 | ATP2C1 | 182 | 138 | 0.00 | 0.11 | 0.64 | 0.61 |
| CPNE8 | 0.96 | CPNE8 | 359 | 273 | 0.12 | 0.09 | 1.27 | 1.21 |
| Calreticulin | 0.96 | Calreticulin | 192 | 146 | 0.06 | 0.12 | 0.68 | 0.65 |
| CATZ (Cleaved-Leu62) | 0.96 | CATZ (Cleaved-Leu62) | 275 | 209 | 0.03 | 0.02 | 0.97 | 0.93 |
| ARSA | 0.96 | ARSA | 237 | 180 | 0.07 | 0.10 | 0.84 | 0.80 |
| DGKK | 0.95 | DGKK | 290 | 220 | 0.01 | 0.04 | 1.02 | 0.98 |
| BRCA2 | 0.95 | BRCA2 | 323 | 245 | 0.08 | 0.14 | 1.14 | 1.09 |
| ARHGEF5 | 0.95 | ARHGEF5 | 354 | 268 | 0.02 | 0.00 | 1.25 | 1.19 |
| CRYAB | 0.95 | CRYAB | 139 | 105 | 0.03 | 0.03 | 0.49 | 0.47 |
| ELOVL5 | 0.95 | ELOVL5 | 279 | 212 | 0.07 | 0.02 | 0.99 | 0.94 |
| IFN-gamma | 0.95 | IFN-gamma | 126 | 96 | 0.07 | 0.04 | 0.45 | 0.42 |
| MAPK9 | 0.95 | MAPK9 | 322 | 244 | 0.06 | 0.02 | 1.14 | 1.09 |
| RORA | 0.95 | RORA | 357 | 271 | 0.04 | 0.02 | 1.26 | 1.20 |
| KCNT1 | 0.95 | KCNT1 | 332 | 252 | 0.05 | 0.02 | 1.17 | 1.12 |
| CDKA1 | 0.95 | CDKA1 | 204 | 155 | 0.01 | 0.06 | 0.72 | 0.69 |
| p55CDC | 0.95 | p55CDC | 229 | 173 | 0.08 | 0.03 | 0.81 | 0.77 |
| Caspase 3 (Cleaved-Asp175) | 0.95 | Caspase 3 (Cleaved-Asp175) | 301 | 228 | 0.03 | 0.05 | 1.06 | 1.01 |
| CDK8 | 0.95 | CDK8 | 340 | 257 | 0.02 | 0.02 | 1.20 | 1.14 |
| AKR1CL2 | 0.95 | AKR1CL2 | 255 | 193 | 0.02 | 0.05 | 0.90 | 0.86 |
| ST6GAL1 | 0.95 | ST6GAL1 | 302 | 229 | 0.04 | 0.16 | 1.07 | 1.02 |
| SERPINB7 | 0.95 | SERPINB7 | 156 | 118 | 0.01 | 0.04 | 0.55 | 0.53 |
| GPR175 | 0.95 | GPR175 | 154 | 116 | 0.00 | 0.02 | 0.54 | 0.52 |
| Retinoid X Receptor gamma | 0.95 | Retinoid X Receptor gamma | 330 | 249 | 0.01 | 0.04 | 1.16 | 1.11 |
| Notch 2 (Cleaved-Val1697) | 0.95 | Notch 2 (Cleaved-Val1697) | 235 | 177 | 0.13 | 0.08 | 0.83 | 0.79 |
| E2F6 | 0.95 | E2F6 | 495 | 374 | 0.01 | 0.09 | 1.75 | 1.66 |
| UBAC1 | 0.95 | UBAC1 | 175 | 132 | 0.05 | 0.06 | 0.62 | 0.59 |
| CDH8 | 0.95 | CDH8 | 330 | 249 | 0.00 | 0.07 | 1.16 | 1.11 |
| TAF15 | 0.95 | TAF15 | 307 | 232 | 0.00 | 0.04 | 1.08 | 1.03 |
| MDM4 | 0.95 | MDM4 | 134 | 101 | 0.03 | 0.11 | 0.47 | 0.45 |
| UBTD1 | 0.95 | UBTD1 | 203 | 153 | 0.12 | 0.03 | 0.72 | 0.68 |
| Cyclin E1 | 0.95 | Cyclin E1 | 487 | 367 | 0.08 | 0.05 | 1.72 | 1.63 |
| Histone H3 (Acetyl-Lys9) | 0.95 | Histone H3 (Acetyl-Lys9) | 318 | 240 | 0.00 | 0.09 | 1.12 | 1.07 |
| MEF2B | 0.95 | MEF2B | 480 | 362 | 0.03 | 0.01 | 1.70 | 1.61 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* *283* *225*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| BRMS1 | 0.95 | BRMS1 | 162 | 122 | 0.14 | 0.00 | 0.57 | 0.54 |
| Cytochrome P450 2E1 | 0.95 | Cytochrome P450 2E1 | 205 | 154 | 0.08 | 0.07 | 0.72 | 0.69 |
| ATPG | 0.95 | ATPG | 312 | 235 | 0.09 | 0.06 | 1.10 | 1.04 |
| Adrenergic Receptor alpha-2A | 0.95 | Adrenergic Receptor alpha-2A | 273 | 206 | 0.01 | 0.01 | 0.96 | 0.91 |
| eNOS | 0.95 | eNOS | 301 | 227 | 0.12 | 0.08 | 1.06 | 1.01 |
| MYOM1 | 0.95 | MYOM1 | 253 | 190 | 0.04 | 0.01 | 0.89 | 0.85 |
| AKR1B1 | 0.95 | AKR1B1 | 238 | 179 | 0.02 | 0.06 | 0.84 | 0.80 |
| Collagen XII alpha1 | 0.95 | Collagen XII alpha1 | 252 | 190 | 0.09 | 0.04 | 0.89 | 0.84 |
| PRKAB1 | 0.95 | PRKAB1 | 288 | 217 | 0.06 | 0.03 | 1.02 | 0.96 |
| ARHGEF10 | 0.95 | ARHGEF10 | 250 | 188 | 0.02 | 0.01 | 0.88 | 0.83 |
| KCND1 | 0.95 | KCND1 | 358 | 269 | 0.07 | 0.00 | 1.26 | 1.19 |
| PIAS1 | 0.95 | PIAS1 | 524 | 394 | 0.01 | 0.07 | 1.85 | 1.75 |
| ITGA5 | 0.95 | ITGA5 | 143 | 107 | 0.07 | 0.00 | 0.50 | 0.48 |
| DDX4 | 0.95 | DDX4 | 155 | 116 | 0.11 | 0.00 | 0.55 | 0.52 |
| CSTL1 | 0.95 | CSTL1 | 235 | 176 | 0.05 | 0.18 | 0.83 | 0.78 |
| CASP5 (p10,Cleaved-Ser331) | 0.94 | CASP5 (p10,Cleaved-Ser331) | 341 | 256 | 0.12 | 0.12 | 1.20 | 1.14 |
| IP3KA | 0.94 | IP3KA | 354 | 266 | 0.01 | 0.02 | 1.25 | 1.18 |
| RCL | 0.94 | RCL | 298 | 224 | 0.10 | 0.05 | 1.05 | 0.99 |
| ABCB7 | 0.94 | ABCB7 | 274 | 205 | 0.10 | 0.11 | 0.97 | 0.91 |
| RHG22 | 0.94 | RHG22 | 224 | 168 | 0.01 | 0.06 | 0.79 | 0.75 |
| SPR1 | 0.94 | SPR1 | 319 | 239 | 0.08 | 0.19 | 1.13 | 1.06 |
| CD153 | 0.94 | CD153 | 317 | 238 | 0.04 | 0.04 | 1.12 | 1.06 |
| Cyclin A1 | 0.94 | Cyclin A1 | 514 | 385 | 0.01 | 0.01 | 1.82 | 1.71 |
| IKBKE (IKK epsilon) | 0.94 | IKBKE (IKK epsilon) | 147 | 110 | 0.03 | 0.09 | 0.52 | 0.49 |
| RBM26 | 0.94 | RBM26 | 282 | 211 | 0.02 | 0.06 | 1.00 | 0.94 |
| Total PSA | 0.94 | Total PSA | 133 | 100 | 0.07 | 0.11 | 0.47 | 0.44 |
| NKX3A | 0.94 | NKX3A | 141 | 105 | 0.01 | 0.09 | 0.50 | 0.47 |
| RhoH | 0.94 | RhoH | 378 | 282 | 0.03 | 0.06 | 1.33 | 1.25 |
| Neurogenin-3 | 0.94 | Neurogenin-3 | 162 | 121 | 0.07 | 0.25 | 0.57 | 0.54 |
| HEN1/2 | 0.94 | HEN1/2 | 361 | 270 | 0.08 | 0.01 | 1.28 | 1.20 |
| GLB1L3 | 0.94 | GLB1L3 | 320 | 239 | 0.00 | 0.02 | 1.13 | 1.06 |
| FER | 0.94 | FER | 355 | 265 | 0.02 | 0.06 | 1.25 | 1.18 |
| ADCY5/6 | 0.94 | ADCY5/6 | 223 | 166 | 0.08 | 0.09 | 0.79 | 0.74 |
| QSK | 0.94 | QSK | 332 | 248 | 0.00 | 0.05 | 1.17 | 1.10 |
| ATP7B | 0.94 | ATP7B | 358 | 267 | 0.03 | 0.06 | 1.26 | 1.19 |
| PMP22 | 0.94 | PMP22 | 322 | 240 | 0.25 | 0.01 | 1.14 | 1.07 |
| GRK6 | 0.94 | GRK6 | 226 | 168 | 0.03 | 0.08 | 0.80 | 0.75 |
| EPHB1/2/3 | 0.94 | EPHB1/2/3 | 324 | 241 | 0.12 | 0.01 | 1.14 | 1.07 |
| S100A16 | 0.94 | S100A16 | 243 | 181 | 0.04 | 0.00 | 0.86 | 0.81 |
| STRAD | 0.94 | STRAD | 300 | 223 | 0.01 | 0.02 | 1.06 | 0.99 |
| S100A10/ P11 | 0.94 | S100A10/ P11 | 137 | 102 | 0.01 | 0.01 | 0.48 | 0.45 |
| CNTD2 | 0.94 | CNTD2 | 550 | 409 | 0.04 | 0.02 | 1.94 | 1.82 |
| Cytochrome P450 2U1 | 0.94 | Cytochrome P450 2U1 | 391 | 291 | 0.12 | 0.08 | 1.38 | 1.29 |
| LAMB2 | 0.94 | LAMB2 | 408 | 303 | 0.05 | 0.05 | 1.44 | 1.35 |
| RED | 0.94 | RED | 271 | 202 | 0.05 | 0.18 | 0.96 | 0.90 |
| ITGA6 (light chain,Cleaved-Glu942) | 0.94 | ITGA6 (light chain,Cleaved-Glu942) | 265 | 197 | 0.01 | 0.05 | 0.94 | 0.88 |
| FOXJ3 | 0.94 | FOXJ3 | 322 | 239 | 0.08 | 0.11 | 1.14 | 1.06 |
| GRID2 | 0.94 | GRID2 | 263 | 196 | 0.09 | 0.02 | 0.93 | 0.87 |
| STK36 | 0.94 | STK36 | 319 | 237 | 0.07 | 0.07 | 1.13 | 1.05 |
| CDC6 | 0.94 | CDC6 | 368 | 273 | 0.08 | 0.08 | 1.30 | 1.21 |
| UBFD1 | 0.94 | UBFD1 | 193 | 143 | 0.08 | 0.01 | 0.68 | 0.64 |
| WNT5A | 0.93 | WNT5A | 130 | 97 | 0.01 | 0.10 | 0.46 | 0.43 |
| CLASP1 | 0.93 | CLASP1 | 316 | 235 | 0.09 | 0.05 | 1.12 | 1.04 |
| CREM | 0.93 | CREM | 392 | 291 | 0.02 | 0.25 | 1.38 | 1.29 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

| | | | *Median Signal* | *283* | *225* | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Protein List** | **Fold Change between Samples** | **Protein List** | **Average Signal of Replicate Spots** | | **Coefficient of Variation for Replicates** | | **Data Normalized to Median Signal** | |
| | **Smaller Sample/Bigger Sample** | | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** |
| RHG9 | 0.93 | RHG9 | 227 | 168 | 0.07 | 0.03 | 0.80 | 0.75 |
| RGS1 | 0.93 | RGS1 | 319 | 237 | 0.09 | 0.07 | 1.13 | 1.05 |
| CKI-alpha | 0.93 | CKI-alpha | 271 | 201 | 0.06 | 0.05 | 0.96 | 0.89 |
| Smad1/5/9 | 0.93 | Smad1/5/9 | 282 | 209 | 0.14 | 0.12 | 1.00 | 0.93 |
| LAT3 | 0.93 | LAT3 | 520 | 385 | 0.08 | 0.12 | 1.84 | 1.71 |
| RFWD2 | 0.93 | RFWD2 | 294 | 218 | 0.03 | 0.06 | 1.04 | 0.97 |
| CD8 | 0.93 | CD8 | 135 | 100 | 0.08 | 0.03 | 0.48 | 0.44 |
| CXADR | 0.93 | CXADR | 322 | 239 | 0.06 | 0.13 | 1.14 | 1.06 |
| ORCTL-2 | 0.93 | ORCTL-2 | 330 | 244 | 0.07 | 0.03 | 1.16 | 1.09 |
| Caspase 9 (Cleaved-Asp315) | 0.93 | Caspase 9 (Cleaved-Asp315) | 389 | 288 | 0.07 | 0.04 | 1.37 | 1.28 |
| SLC6A15 | 0.93 | SLC6A15 | 362 | 268 | 0.08 | 0.09 | 1.28 | 1.19 |
| SDCG1 | 0.93 | SDCG1 | 380 | 281 | 0.19 | 0.03 | 1.34 | 1.25 |
| CD3E | 0.93 | CD3E | 131 | 97 | 0.05 | 0.04 | 0.46 | 0.43 |
| MAP4K3 | 0.93 | MAP4K3 | 202 | 149 | 0.07 | 0.01 | 0.71 | 0.66 |
| MYBPC3 | 0.93 | MYBPC3 | 173 | 128 | 0.23 | 0.13 | 0.61 | 0.57 |
| RAB11FIP2 | 0.93 | RAB11FIP2 | 312 | 231 | 0.00 | 0.04 | 1.10 | 1.03 |
| GPR160 | 0.93 | GPR160 | 266 | 197 | 0.16 | 0.03 | 0.94 | 0.87 |
| IKK Alpha | 0.93 | IKK Alpha | 130 | 96 | 0.02 | 0.07 | 0.46 | 0.43 |
| ATF3 | 0.93 | ATF3 | 325 | 240 | 0.03 | 0.00 | 1.15 | 1.07 |
| CASP3 (p17,Cleaved-Asp175) | 0.93 | CASP3 (p17,Cleaved-Asp175) | 994 | 734 | 0.06 | 0.00 | 3.51 | 3.26 |
| MEKKK 1 | 0.93 | MEKKK 1 | 307 | 227 | 0.02 | 0.01 | 1.08 | 1.01 |
| Cytochrome P450 39A1 | 0.93 | Cytochrome P450 39A1 | 307 | 226 | 0.00 | 0.03 | 1.08 | 1.01 |
| CD45 | 0.93 | CD45 | 128 | 94 | 0.03 | 0.05 | 0.45 | 0.42 |
| CDKL3 | 0.93 | CDKL3 | 217 | 160 | 0.10 | 0.10 | 0.77 | 0.71 |
| RAB3GAP1 | 0.93 | RAB3GAP1 | 365 | 269 | 0.02 | 0.09 | 1.29 | 1.19 |
| MCL1 | 0.93 | MCL1 | 528 | 389 | 0.03 | 0.02 | 1.86 | 1.73 |
| SNCA (alpha-synuclein) | 0.93 | SNCA (alpha-synuclein) | 209 | 154 | 0.05 | 0.12 | 0.74 | 0.68 |
| MYH4 | 0.93 | MYH4 | 197 | 145 | 0.24 | 0.02 | 0.70 | 0.65 |
| EGFR | 0.93 | EGFR | 140 | 103 | 0.11 | 0.14 | 0.49 | 0.46 |
| E2F2 | 0.93 | E2F2 | 227 | 167 | 0.11 | 0.08 | 0.80 | 0.74 |
| UPF1 | 0.93 | UPF1 | 375 | 276 | 0.11 | 0.04 | 1.32 | 1.23 |
| ATP5G2 | 0.93 | ATP5G2 | 435 | 320 | 0.06 | 0.10 | 1.54 | 1.42 |
| SNAP25 | 0.93 | SNAP25 | 310 | 228 | 0.03 | 0.03 | 1.10 | 1.01 |
| ALDH1B1 | 0.93 | ALDH1B1 | 282 | 207 | 0.04 | 0.05 | 0.99 | 0.92 |
| PIP5K | 0.93 | PIP5K | 312 | 229 | 0.09 | 0.02 | 1.10 | 1.02 |
| ABL1 | 0.93 | ABL1 | 402 | 296 | 0.03 | 0.07 | 1.42 | 1.31 |
| Collagen IV alpha3 (Cleaved-Leu1425) | 0.93 | Collagen IV alpha3 (Cleaved-Leu1425) | 279 | 205 | 0.09 | 0.01 | 0.99 | 0.91 |
| RAB41 | 0.92 | RAB41 | 382 | 281 | 0.00 | 0.12 | 1.35 | 1.25 |
| Collagen IV alpha2 | 0.92 | Collagen IV alpha2 | 282 | 207 | 0.02 | 0.01 | 1.00 | 0.92 |
| MAPK15 | 0.92 | MAPK15 | 600 | 440 | 0.09 | 0.19 | 2.12 | 1.96 |
| Cytochrome P450 2S1 | 0.92 | Cytochrome P450 2S1 | 387 | 284 | 0.01 | 0.01 | 1.37 | 1.26 |
| S6K-alpha6 | 0.92 | S6K-alpha6 | 237 | 174 | 0.06 | 0.03 | 0.84 | 0.77 |
| RBM5 | 0.92 | RBM5 | 265 | 194 | 0.05 | 0.09 | 0.93 | 0.86 |
| ENAH | 0.92 | ENAH | 383 | 281 | 0.05 | 0.09 | 1.35 | 1.25 |
| EPHA7 | 0.92 | EPHA7 | 293 | 215 | 0.02 | 0.05 | 1.03 | 0.95 |
| ACTL6A | 0.92 | ACTL6A | 249 | 183 | 0.07 | 0.01 | 0.88 | 0.81 |
| CDC7 | 0.92 | CDC7 | 275 | 202 | 0.04 | 0.04 | 0.97 | 0.90 |
| JAK2 | 0.92 | JAK2 | 137 | 100 | 0.08 | 0.04 | 0.48 | 0.44 |
| TAF5L | 0.92 | TAF5L | 350 | 256 | 0.03 | 0.06 | 1.23 | 1.14 |
| CATG (Cleaved-Ile21) | 0.92 | CATG (Cleaved-Ile21) | 342 | 251 | 0.02 | 0.07 | 1.21 | 1.11 |
| MMP12 (Cleaved-Glu106) | 0.92 | MMP12 (Cleaved-Glu106) | 234 | 171 | 0.03 | 0.09 | 0.83 | 0.76 |
| Claudin 4 | 0.92 | Claudin 4 | 458 | 335 | 0.09 | 0.05 | 1.62 | 1.49 |
| 3-Mar | 0.92 | 3-Mar | 310 | 227 | 0.08 | 0.03 | 1.09 | 1.01 |
| ADCK3 | 0.92 | ADCK3 | 205 | 150 | 0.01 | 0.05 | 0.72 | 0.67 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* 283 225

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| COT2 | 0.92 | COT2 | 352 | 258 | 0.02 | 0.01 | 1.24 | 1.15 |
| Flt-1 (VEGFR1) | 0.92 | Flt-1 (VEGFR1) | 155 | 113 | 0.00 | 0.04 | 0.55 | 0.50 |
| ARPP21 | 0.92 | ARPP21 | 318 | 233 | 0.08 | 0.09 | 1.12 | 1.03 |
| USP6NL | 0.92 | USP6NL | 190 | 139 | 0.11 | 0.08 | 0.67 | 0.62 |
| Cytochrome c-type Heme Lyase | 0.92 | Cytochrome c-type Heme Lyase | 485 | 354 | 0.04 | 0.06 | 1.71 | 1.58 |
| 5-HT-4 | 0.92 | 5-HT-4 | 278 | 203 | 0.01 | 0.02 | 0.98 | 0.90 |
| Cytochrome P450 4Z1 | 0.92 | Cytochrome P450 4Z1 | 345 | 252 | 0.02 | 0.00 | 1.22 | 1.12 |
| CST2 | 0.92 | CST2 | 324 | 237 | 0.02 | 0.07 | 1.14 | 1.05 |
| ITGAV (heavy chain,Cleaved-Lys889) | 0.92 | ITGAV (heavy chain,Cleaved-Lys889) | 211 | 154 | 0.02 | 0.11 | 0.75 | 0.69 |
| PE2R4 | 0.92 | PE2R4 | 159 | 116 | 0.00 | 0.07 | 0.56 | 0.52 |
| WASF4 | 0.92 | WASF4 | 335 | 244 | 0.07 | 0.03 | 1.18 | 1.09 |
| SLC28A2 | 0.92 | SLC28A2 | 205 | 150 | 0.07 | 0.00 | 0.72 | 0.67 |
| Histone H3 (Acetyl-Lys18) | 0.92 | Histone H3 (Acetyl-Lys18) | 321 | 234 | 0.17 | 0.05 | 1.13 | 1.04 |
| Cytochrome P450 2C19 | 0.92 | Cytochrome P450 2C19 | 435 | 317 | 0.04 | 0.06 | 1.54 | 1.41 |
| GRAH | 0.92 | GRAH | 339 | 247 | 0.00 | 0.03 | 1.20 | 1.10 |
| AARSD1 | 0.92 | AARSD1 | 278 | 203 | 0.02 | 0.04 | 0.98 | 0.90 |
| ACTN alpha-2/3 | 0.92 | ACTN alpha-2/3 | 383 | 279 | 0.12 | 0.14 | 1.35 | 1.24 |
| LEG4 | 0.92 | LEG4 | 291 | 212 | 0.06 | 0.05 | 1.03 | 0.94 |
| CSK | 0.92 | CSK | 285 | 207 | 0.02 | 0.08 | 1.01 | 0.92 |
| Rab25 | 0.92 | Rab25 | 151 | 110 | 0.11 | 0.12 | 0.53 | 0.49 |
| USP42 | 0.92 | USP42 | 206 | 150 | 0.06 | 0.07 | 0.73 | 0.67 |
| CD19 | 0.92 | CD19 | 138 | 100 | 0.03 | 0.01 | 0.49 | 0.44 |
| ARHGEF2 | 0.92 | ARHGEF2 | 323 | 235 | 0.08 | 0.03 | 1.14 | 1.04 |
| RAB11FIP3 | 0.92 | RAB11FIP3 | 295 | 215 | 0.00 | 0.08 | 1.04 | 0.95 |
| CDKL2 | 0.92 | CDKL2 | 359 | 261 | 0.05 | 0.09 | 1.27 | 1.16 |
| Dyskerin | 0.91 | Dyskerin | 359 | 261 | 0.03 | 0.02 | 1.27 | 1.16 |
| NF-kB p65 (Acetyl-Lys310) | 0.91 | NF-kB p65 (Acetyl-Lys310) | 329 | 239 | 0.03 | 0.02 | 1.16 | 1.06 |
| 14-3-3 zeta | 0.91 | 14-3-3 zeta | 307 | 223 | 0.06 | 0.11 | 1.08 | 0.99 |
| RON | 0.91 | RON | 132 | 96 | 0.02 | 0.11 | 0.46 | 0.42 |
| HOXA6 | 0.91 | HOXA6 | 197 | 143 | 0.21 | 0.01 | 0.69 | 0.63 |
| TP53INP2 | 0.91 | TP53INP2 | 311 | 226 | 0.04 | 0.05 | 1.10 | 1.00 |
| IL-1 beta | 0.91 | IL-1 beta | 140 | 102 | 0.03 | 0.01 | 0.49 | 0.45 |
| SLC30A1 | 0.91 | SLC30A1 | 240 | 174 | 0.01 | 0.10 | 0.85 | 0.77 |
| Cytochrome P450 3A4/5 | 0.91 | Cytochrome P450 3A4/5 | 287 | 208 | 0.07 | 0.05 | 1.01 | 0.93 |
| C1R (light chain,Cleaved-Ile464) | 0.91 | C1R (light chain,Cleaved-Ile464) | 344 | 249 | 0.13 | 0.01 | 1.22 | 1.11 |
| ATF7 | 0.91 | ATF7 | 331 | 240 | 0.01 | 0.01 | 1.17 | 1.07 |
| FGF18 | 0.91 | FGF18 | 241 | 174 | 0.04 | 0.02 | 0.85 | 0.77 |
| ADAR1 | 0.91 | ADAR1 | 441 | 319 | 0.04 | 0.01 | 1.56 | 1.42 |
| SLC30A4 | 0.91 | SLC30A4 | 405 | 293 | 0.05 | 0.12 | 1.43 | 1.30 |
| Adrenergic Receptor alpha-2B | 0.91 | Adrenergic Receptor alpha-2B | 352 | 255 | 0.10 | 0.01 | 1.24 | 1.13 |
| PC | 0.91 | PC | 240 | 174 | 0.02 | 0.05 | 0.85 | 0.77 |
| ERN1 (IRE1) | 0.91 | ERN1 (IRE1) | 1930 | 1395 | 0.03 | 0.34 | 6.82 | 6.21 |
| ACSL6 | 0.91 | ACSL6 | 224 | 162 | 0.09 | 0.14 | 0.79 | 0.72 |
| Cullin 3 | 0.91 | Cullin 3 | 459 | 332 | 0.04 | 0.02 | 1.62 | 1.47 |
| ADNP | 0.91 | ADNP | 436 | 315 | 0.00 | 0.05 | 1.54 | 1.40 |
| KSR2 | 0.91 | KSR2 | 415 | 300 | 0.06 | 0.04 | 1.47 | 1.33 |
| C140 | 0.91 | C140 | 268 | 193 | 0.03 | 0.16 | 0.95 | 0.86 |
| AVEN | 0.91 | AVEN | 280 | 202 | 0.02 | 0.03 | 0.99 | 0.90 |
| LRP10 | 0.91 | LRP10 | 223 | 161 | 0.09 | 0.02 | 0.79 | 0.71 |
| FOXA2 | 0.91 | FOXA2 | 179 | 129 | 0.01 | 0.12 | 0.63 | 0.57 |
| KCNJ9 | 0.91 | KCNJ9 | 335 | 241 | 0.04 | 0.07 | 1.18 | 1.07 |
| ME3 | 0.91 | ME3 | 215 | 155 | 0.06 | 0.03 | 0.76 | 0.69 |
| ATP5G3 | 0.91 | ATP5G3 | 373 | 269 | 0.11 | 0.07 | 1.32 | 1.19 |
| 5-HT-1A | 0.91 | 5-HT-1A | 328 | 236 | 0.05 | 0.04 | 1.16 | 1.05 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* *283* *225*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| AATF | 0.91 | AATF | 430 | 309 | 0.10 | 0.05 | 1.52 | 1.37 |
| NF-kB p65 | 0.91 | NF-kB p65 | 335 | 241 | 0.05 | 0.08 | 1.18 | 1.07 |
| RBAK | 0.91 | RBAK | 330 | 237 | 0.00 | 0.11 | 1.16 | 1.05 |
| APLP2 | 0.90 | APLP2 | 228 | 164 | 0.08 | 0.00 | 0.80 | 0.73 |
| CYTL1 | 0.90 | CYTL1 | 210 | 151 | 0.04 | 0.04 | 0.74 | 0.67 |
| IRAK3 | 0.90 | IRAK3 | 275 | 197 | 0.06 | 0.01 | 0.97 | 0.88 |
| SLC30A8 | 0.90 | SLC30A8 | 421 | 302 | 0.04 | 0.10 | 1.49 | 1.34 |
| SNAI2 (SLUG) | 0.90 | SNAI2 (SLUG) | 145 | 104 | 0.07 | 0.10 | 0.51 | 0.46 |
| MYOM2 | 0.90 | MYOM2 | 244 | 175 | 0.12 | 0.10 | 0.86 | 0.78 |
| VANGL1 | 0.90 | VANGL1 | 231 | 166 | 0.17 | 0.04 | 0.82 | 0.74 |
| CD33 | 0.90 | CD33 | 201 | 144 | 0.01 | 0.11 | 0.71 | 0.64 |
| SOX2 | 0.90 | SOX2 | 155 | 111 | 0.03 | 0.08 | 0.55 | 0.49 |
| MARK4 | 0.90 | MARK4 | 423 | 303 | 0.03 | 0.09 | 1.49 | 1.35 |
| ATP5A1 | 0.90 | ATP5A1 | 305 | 218 | 0.00 | 0.08 | 1.08 | 0.97 |
| ADCY4 | 0.90 | ADCY4 | 343 | 246 | 0.02 | 0.08 | 1.21 | 1.09 |
| UBAP2L | 0.90 | UBAP2L | 189 | 135 | 0.07 | 0.01 | 0.67 | 0.60 |
| CDH3 | 0.90 | CDH3 | 427 | 305 | 0.04 | 0.03 | 1.51 | 1.35 |
| PDRG1 | 0.90 | PDRG1 | 329 | 235 | 0.02 | 0.01 | 1.16 | 1.04 |
| ICAM1 | 0.90 | ICAM1 | 131 | 94 | 0.05 | 0.07 | 0.46 | 0.42 |
| ATP6V1B1 | 0.90 | ATP6V1B1 | 285 | 203 | 0.13 | 0.02 | 1.01 | 0.90 |
| MAP3K9 | 0.90 | MAP3K9 | 466 | 333 | 0.08 | 0.08 | 1.65 | 1.48 |
| SAR1B | 0.90 | SAR1B | 211 | 151 | 0.07 | 0.03 | 0.75 | 0.67 |
| EFNB3 | 0.90 | EFNB3 | 487 | 347 | 0.02 | 0.16 | 1.72 | 1.54 |
| Cytochrome P450 4X1 | 0.90 | Cytochrome P450 4X1 | 221 | 158 | 0.03 | 0.02 | 0.78 | 0.70 |
| Histone H2B (Acetyl-Lys12) | 0.90 | Histone H2B (Acetyl-Lys12) | 457 | 326 | 0.02 | 0.12 | 1.61 | 1.45 |
| C56D2 | 0.90 | C56D2 | 429 | 306 | 0.00 | 0.01 | 1.52 | 1.36 |
| Fos | 0.90 | Fos | 533 | 379 | 0.13 | 0.00 | 1.88 | 1.69 |
| C9orf89 | 0.90 | C9orf89 | 304 | 216 | 0.01 | 0.01 | 1.07 | 0.96 |
| ATF1 | 0.90 | ATF1 | 397 | 283 | 0.04 | 0.00 | 1.40 | 1.26 |
| ADCK1 | 0.90 | ADCK1 | 250 | 178 | 0.03 | 0.10 | 0.88 | 0.79 |
| CLK1 | 0.90 | CLK1 | 306 | 218 | 0.03 | 0.02 | 1.08 | 0.97 |
| MLH1 | 0.89 | MLH1 | 401 | 285 | 0.02 | 0.51 | 1.42 | 1.27 |
| UBA5 | 0.89 | UBA5 | 430 | 305 | 0.02 | 0.06 | 1.52 | 1.36 |
| LRP3 | 0.89 | LRP3 | 264 | 187 | 0.01 | 0.16 | 0.93 | 0.83 |
| Collagen IV alpha6 | 0.89 | Collagen IV alpha6 | 401 | 285 | 0.04 | 0.02 | 1.42 | 1.27 |
| Keratin 10 | 0.89 | Keratin 10 | 389 | 276 | 0.02 | 0.00 | 1.37 | 1.23 |
| Collagen V alpha1 | 0.89 | Collagen V alpha1 | 333 | 236 | 0.04 | 0.08 | 1.18 | 1.05 |
| DDR1 | 0.89 | DDR1 | 175 | 124 | 0.05 | 0.14 | 0.62 | 0.55 |
| ATRX | 0.89 | ATRX | 268 | 190 | 0.03 | 0.13 | 0.95 | 0.84 |
| EPHA6 | 0.89 | EPHA6 | 563 | 399 | 0.03 | 0.02 | 1.99 | 1.77 |
| M3K13 | 0.89 | M3K13 | 320 | 227 | 0.08 | 0.02 | 1.13 | 1.01 |
| Cytochrome P450 2R1 | 0.89 | Cytochrome P450 2R1 | 296 | 210 | 0.02 | 0.06 | 1.05 | 0.93 |
| SLC24A6 | 0.89 | SLC24A6 | 221 | 156 | 0.05 | 0.10 | 0.78 | 0.69 |
| CDK2 | 0.89 | CDK2 | 323 | 229 | 0.17 | 0.05 | 1.14 | 1.02 |
| MAPK3 | 0.89 | MAPK3 | 388 | 274 | 0.09 | 0.05 | 1.37 | 1.22 |
| CMKLR1 | 0.89 | CMKLR1 | 426 | 301 | 0.01 | 0.00 | 1.51 | 1.34 |
| ARFGEF2 | 0.89 | ARFGEF2 | 417 | 295 | 0.03 | 0.07 | 1.47 | 1.31 |
| CaMK1-beta | 0.89 | CaMK1-beta | 380 | 268 | 0.02 | 0.03 | 1.34 | 1.19 |
| STAG3 | 0.89 | STAG3 | 327 | 231 | 0.04 | 0.06 | 1.15 | 1.03 |
| Cyclin G | 0.89 | Cyclin G | 1053 | 742 | 0.17 | 0.01 | 3.72 | 3.30 |
| RAB34 | 0.89 | RAB34 | 279 | 197 | 0.13 | 0.08 | 0.99 | 0.87 |
| DLEC1 | 0.89 | DLEC1 | 277 | 195 | 0.13 | 0.07 | 0.98 | 0.87 |
| Collagen XI alpha1 | 0.89 | Collagen XI alpha1 | 350 | 246 | 0.03 | 0.07 | 1.23 | 1.09 |
| NKX2.5 | 0.89 | NKX2.5 | 150 | 106 | 0.08 | 0.09 | 0.53 | 0.47 |

## Antibody Array Assay Results

**Signaling Explorer Antibody Array**

| **Protein List** | **Fold Change between Samples**<br>**Smaller Sample/Bigger Sample** |
|---|---|
| EMR1 | 0.89 |
| Aggrecan (Cleaved-Asp369) | 0.89 |
| GRB2 | 0.89 |
| SESN1 | 0.88 |
| POLI | 0.88 |
| MAST4 | 0.88 |
| Foxp3 | 0.88 |
| ARF4 | 0.88 |
| MMP17 (Cleaved-Gln129) | 0.88 |
| p53 | 0.88 |
| MET | 0.88 |
| CA5B | 0.88 |
| AMPD1 | 0.88 |
| ACBD6 | 0.88 |
| MCM5 | 0.87 |
| WDHD1 | 0.87 |
| CaMK2beta/gamma | 0.87 |
| Collagen IV | 0.87 |
| SIAH2 | 0.87 |
| SPTA2 (Cleaved-Asp1185) | 0.87 |
| MYL3 | 0.87 |
| CHML | 0.87 |
| S100A3 | 0.87 |
| UBE3B | 0.87 |
| Cytochrome P450 2A13 | 0.87 |
| KCNG3 | 0.87 |
| FA12 (heavy chain,Cleaved-Arg372) | 0.87 |
| EFNA4 | 0.86 |
| ATP5D | 0.86 |
| Cofilin | 0.86 |
| DFF45 (Cleaved-Asp224) | 0.86 |
| PMS2/PMS2CL | 0.86 |
| TNNI3K | 0.86 |
| POLG2 | 0.86 |
| ME1 | 0.86 |
| LAMP3 | 0.86 |
| AIG1 | 0.86 |
| ZADH2 | 0.86 |
| SHC2 | 0.86 |
| WEE2 | 0.86 |
| APOF | 0.86 |
| MYL2 | 0.86 |
| FA10 (activated heavy chain,Cleaved-Ile2 | 0.86 |
| Caspase 7 (Cleaved-Asp198) | 0.86 |
| Parkin | 0.85 |
| Cytochrome P450 2C8/9/18/19 | 0.85 |
| Adrenergic Receptor alpha-2C | 0.85 |
| CASP4 (p20,Cleaved-Gln81) | 0.85 |
| CA181 | 0.85 |
| Hexokinase-3 | 0.85 |
| STAT1 | 0.85 |
| Histone H4 (Acetyl-Lys12) | 0.85 |
| Histone H2A (Acetyl-Lys5) | 0.85 |
| p16 INK | 0.85 |

## Assay Data

*Median Signal* *283* *225*

| **Protein List** | **Average Signal of Replicate Spots** | | **Coefficient of Variation for Replicates** | | **Data Normalized to Median Signal** | |
|---|---|---|---|---|---|---|
| | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** | **Bigger Sample** | **Smaller Sample** |
| EMR1 | 251 | 177 | 0.01 | 0.08 | 0.89 | 0.79 |
| Aggrecan (Cleaved-Asp369) | 303 | 213 | 0.01 | 0.07 | 1.07 | 0.95 |
| GRB2 | 455 | 320 | 0.06 | 0.11 | 1.61 | 1.42 |
| SESN1 | 283 | 199 | 0.13 | 0.01 | 1.00 | 0.88 |
| POLI | 406 | 285 | 0.01 | 0.01 | 1.43 | 1.27 |
| MAST4 | 316 | 222 | 0.09 | 0.11 | 1.12 | 0.99 |
| Foxp3 | 237 | 166 | 0.00 | 0.01 | 0.84 | 0.74 |
| ARF4 | 330 | 231 | 0.01 | 0.01 | 1.17 | 1.03 |
| MMP17 (Cleaved-Gln129) | 258 | 180 | 0.11 | 0.09 | 0.91 | 0.80 |
| p53 | 312 | 217 | 0.01 | 0.00 | 1.10 | 0.97 |
| MET | 407 | 284 | 0.10 | 0.09 | 1.44 | 1.26 |
| CA5B | 459 | 319 | 0.00 | 0.04 | 1.62 | 1.42 |
| AMPD1 | 248 | 172 | 0.07 | 0.01 | 0.87 | 0.77 |
| ACBD6 | 384 | 267 | 0.16 | 0.04 | 1.36 | 1.19 |
| MCM5 | 347 | 241 | 0.04 | 0.49 | 1.23 | 1.07 |
| WDHD1 | 357 | 248 | 0.14 | 0.07 | 1.26 | 1.10 |
| CaMK2beta/gamma | 370 | 257 | 0.07 | 0.00 | 1.31 | 1.14 |
| Collagen IV | 1246 | 864 | 0.32 | 0.02 | 4.40 | 3.84 |
| SIAH2 | 362 | 251 | 0.05 | 0.01 | 1.28 | 1.12 |
| SPTA2 (Cleaved-Asp1185) | 331 | 230 | 0.05 | 0.00 | 1.17 | 1.02 |
| MYL3 | 178 | 123 | 0.00 | 0.15 | 0.63 | 0.55 |
| CHML | 345 | 239 | 0.05 | 0.05 | 1.22 | 1.06 |
| S100A3 | 369 | 255 | 0.01 | 0.03 | 1.30 | 1.13 |
| UBE3B | 310 | 215 | 0.08 | 0.01 | 1.10 | 0.95 |
| Cytochrome P450 2A13 | 338 | 234 | 0.02 | 0.19 | 1.19 | 1.04 |
| KCNG3 | 456 | 313 | 0.02 | 0.07 | 1.61 | 1.39 |
| FA12 (heavy chain,Cleaved-Arg372) | 524 | 360 | 0.02 | 0.06 | 1.85 | 1.60 |
| EFNA4 | 666 | 457 | 0.01 | 0.02 | 2.35 | 2.03 |
| ATP5D | 461 | 317 | 0.07 | 0.02 | 1.63 | 1.41 |
| Cofilin | 395 | 271 | 0.06 | 0.07 | 1.40 | 1.21 |
| DFF45 (Cleaved-Asp224) | 299 | 205 | 0.04 | 0.10 | 1.06 | 0.91 |
| PMS2/PMS2CL | 563 | 385 | 0.08 | 0.01 | 1.99 | 1.71 |
| TNNI3K | 512 | 350 | 0.03 | 0.10 | 1.81 | 1.56 |
| POLG2 | 340 | 233 | 0.04 | 0.03 | 1.20 | 1.03 |
| ME1 | 293 | 200 | 0.10 | 0.00 | 1.03 | 0.89 |
| LAMP3 | 319 | 218 | 0.00 | 0.01 | 1.13 | 0.97 |
| AIG1 | 228 | 155 | 0.07 | 0.01 | 0.80 | 0.69 |
| ZADH2 | 292 | 199 | 0.02 | 0.03 | 1.03 | 0.88 |
| SHC2 | 458 | 312 | 0.10 | 0.05 | 1.62 | 1.39 |
| WEE2 | 439 | 299 | 0.09 | 0.03 | 1.55 | 1.33 |
| APOF | 316 | 215 | 0.09 | 0.03 | 1.12 | 0.96 |
| MYL2 | 283 | 192 | 0.06 | 0.12 | 1.00 | 0.85 |
| FA10 (activated heavy chain,Cleaved-Ile235) | 382 | 260 | 0.11 | 0.12 | 1.35 | 1.15 |
| Caspase 7 (Cleaved-Asp198) | 904 | 614 | 0.19 | 0.02 | 3.19 | 2.73 |
| Parkin | 488 | 331 | 0.11 | 0.04 | 1.72 | 1.47 |
| Cytochrome P450 2C8/9/18/19 | 416 | 282 | 0.03 | 0.02 | 1.47 | 1.25 |
| Adrenergic Receptor alpha-2C | 298 | 202 | 0.09 | 0.02 | 1.05 | 0.90 |
| CASP4 (p20,Cleaved-Gln81) | 239 | 162 | 0.12 | 0.02 | 0.84 | 0.72 |
| CA181 | 353 | 239 | 0.03 | 0.03 | 1.25 | 1.06 |
| Hexokinase-3 | 307 | 207 | 0.06 | 0.22 | 1.08 | 0.92 |
| STAT1 | 337 | 228 | 0.18 | 0.01 | 1.19 | 1.01 |
| Histone H4 (Acetyl-Lys12) | 583 | 394 | 0.03 | 0.09 | 2.06 | 1.75 |
| Histone H2A (Acetyl-Lys5) | 370 | 250 | 0.27 | 0.12 | 1.31 | 1.11 |
| p16 INK | 427 | 288 | 0.07 | 0.15 | 1.51 | 1.28 |

## Antibody Array Assay Results

## Assay Data

**Signaling Explorer Antibody Array**

*Median Signal* *283* *225*

| Protein List | Fold Change between Samples | Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|---|---|
| | Smaller Sample/Bigger Sample | | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| PAR4 (Cleaved-Gly48) | 0.85 | PAR4 (Cleaved-Gly48) | 380 | 256 | 0.14 | 0.05 | 1.34 | 1.14 |
| NSG1 | 0.85 | NSG1 | 308 | 207 | 0.00 | 0.05 | 1.09 | 0.92 |
| S6K-alpha2 | 0.85 | S6K-alpha2 | 356 | 239 | 0.01 | 0.08 | 1.26 | 1.06 |
| SHD | 0.85 | SHD | 326 | 219 | 0.13 | 0.02 | 1.15 | 0.97 |
| USP36 | 0.84 | USP36 | 233 | 156 | 0.10 | 0.04 | 0.82 | 0.69 |
| TAF1A | 0.84 | TAF1A | 302 | 202 | 0.11 | 0.01 | 1.07 | 0.90 |
| TNF12 | 0.84 | TNF12 | 454 | 304 | 0.17 | 0.02 | 1.60 | 1.35 |
| ADPGK | 0.84 | ADPGK | 337 | 226 | 0.03 | 0.00 | 1.19 | 1.00 |
| p97 MAPK | 0.84 | p97 MAPK | 367 | 246 | 0.01 | 0.05 | 1.30 | 1.09 |
| Collagen XIV alpha1 | 0.84 | Collagen XIV alpha1 | 412 | 275 | 0.05 | 0.13 | 1.46 | 1.22 |
| SOD1 | 0.84 | SOD1 | 551 | 368 | 0.08 | 0.12 | 1.95 | 1.64 |
| TACD1 | 0.84 | TACD1 | 518 | 345 | 0.01 | 0.05 | 1.83 | 1.54 |
| AASDHPPT | 0.84 | AASDHPPT | 282 | 188 | 0.10 | 0.09 | 1.00 | 0.83 |
| PARP (Cleaved-Gly215) | 0.84 | PARP (Cleaved-Gly215) | 678 | 451 | 0.14 | 0.09 | 2.40 | 2.00 |
| GPR150 | 0.84 | GPR150 | 331 | 220 | 0.10 | 0.12 | 1.17 | 0.98 |
| COPZ1 | 0.83 | COPZ1 | 488 | 324 | 0.07 | 0.09 | 1.72 | 1.44 |
| CATL2 (Cleaved-Leu114) | 0.83 | CATL2 (Cleaved-Leu114) | 271 | 180 | 0.16 | 0.04 | 0.96 | 0.80 |
| CASP2 (p18,Cleaved-Gly170) | 0.83 | CASP2 (p18,Cleaved-Gly170) | 247 | 164 | 0.07 | 0.10 | 0.87 | 0.73 |
| CASP8 (Cleaved-Asp384) | 0.83 | CASP8 (Cleaved-Asp384) | 262 | 173 | 0.22 | 0.07 | 0.93 | 0.77 |
| NCR3 | 0.83 | NCR3 | 498 | 329 | 0.00 | 0.04 | 1.76 | 1.46 |
| NOX5 | 0.83 | NOX5 | 447 | 295 | 0.07 | 0.06 | 1.58 | 1.31 |
| ABCA8 | 0.83 | ABCA8 | 292 | 193 | 0.01 | 0.06 | 1.03 | 0.86 |
| URB1 | 0.83 | URB1 | 278 | 183 | 0.20 | 0.02 | 0.98 | 0.81 |
| MYO1D | 0.83 | MYO1D | 332 | 219 | 0.09 | 0.01 | 1.17 | 0.97 |
| MMP3 (Cleaved-Phe100) | 0.83 | MMP3 (Cleaved-Phe100) | 291 | 191 | 0.06 | 0.02 | 1.03 | 0.85 |
| GRK3 | 0.82 | GRK3 | 351 | 229 | 0.05 | 0.05 | 1.24 | 1.02 |
| Histone H2AX | 0.82 | Histone H2AX | 470 | 306 | 0.03 | 0.06 | 1.66 | 1.36 |
| Cytochrome P450 2D6 | 0.82 | Cytochrome P450 2D6 | 366 | 238 | 0.05 | 0.08 | 1.29 | 1.06 |
| ARSD | 0.82 | ARSD | 222 | 145 | 0.24 | 0.11 | 0.78 | 0.64 |
| HMGB2 | 0.82 | HMGB2 | 333 | 216 | 0.18 | 0.01 | 1.17 | 0.96 |
| CD3 | 0.82 | CD3 | 181 | 117 | 0.04 | 0.07 | 0.64 | 0.52 |
| NOX3 | 0.82 | NOX3 | 349 | 226 | 0.08 | 0.06 | 1.23 | 1.01 |
| p57KIP2 | 0.81 | p57KIP2 | 365 | 235 | 0.00 | 0.12 | 1.29 | 1.05 |
| KCNV2 | 0.81 | KCNV2 | 434 | 279 | 0.04 | 0.02 | 1.53 | 1.24 |
| MRP9 | 0.81 | MRP9 | 392 | 252 | 0.03 | 0.04 | 1.38 | 1.12 |
| SGOL1 | 0.81 | SGOL1 | 317 | 204 | 0.07 | 0.11 | 1.12 | 0.91 |
| Histone H4 (Acetyl-Lys8) | 0.81 | Histone H4 (Acetyl-Lys8) | 343 | 220 | 0.20 | 0.05 | 1.21 | 0.98 |
| Androgen receptor | 0.81 | Androgen receptor | 341 | 219 | 0.07 | 0.15 | 1.20 | 0.97 |
| RAB18 | 0.81 | RAB18 | 341 | 219 | 0.10 | 0.20 | 1.20 | 0.97 |
| CKLF2 | 0.80 | CKLF2 | 465 | 297 | 0.01 | 0.05 | 1.64 | 1.32 |
| UNG | 0.80 | UNG | 397 | 252 | 0.08 | 0.11 | 1.40 | 1.12 |
| IgM | 0.78 | IgM | 7177 | 4465 | 0.07 | 0.18 | 25.36 | 19.86 |
| COX2 | 0.78 | COX2 | 359 | 222 | 0.03 | 0.30 | 1.27 | 0.99 |
| Collagen I | 0.78 | Collagen I | 427 | 264 | 0.04 | 0.02 | 1.51 | 1.17 |
| CASP5 (p20,Cleaved-Asp121) | 0.78 | CASP5 (p20,Cleaved-Asp121) | 488 | 301 | 0.10 | 0.03 | 1.72 | 1.34 |
| NCR1 | 0.77 | NCR1 | 402 | 247 | 0.02 | 0.09 | 1.42 | 1.10 |
| TTF2 | 0.77 | TTF2 | 219 | 134 | 0.32 | 0.05 | 0.77 | 0.60 |
| ADAM 17 (Cleaved-Arg215) | 0.77 | ADAM 17 (Cleaved-Arg215) | 511 | 312 | 0.23 | 0.07 | 1.80 | 1.39 |
| SLC39A1 | 0.77 | SLC39A1 | 426 | 259 | 0.02 | 0.09 | 1.51 | 1.15 |
| Cadherin-pan | 0.77 | Cadherin-pan | 559 | 340 | 0.04 | 0.19 | 1.97 | 1.51 |
| PE2R3 | 0.74 | PE2R3 | 321 | 189 | 0.20 | 0.10 | 1.13 | 0.84 |
| Cytochrome P450 1A1/2 | 0.73 | Cytochrome P450 1A1/2 | 603 | 352 | 0.13 | 0.04 | 2.13 | 1.56 |
| Caspase 9 (Cleaved-Asp330) | 0.73 | Caspase 9 (Cleaved-Asp330) | 468 | 271 | 0.07 | 0.10 | 1.65 | 1.20 |
| EFNA2 (Cleaved-Asn188) | 0.73 | EFNA2 (Cleaved-Asn188) | 325 | 188 | 0.02 | 0.01 | 1.15 | 0.84 |

## Antibody Array Assay Results

**Signaling Explorer Antibody Array**

| Protein List | Fold Change between Samples<br>Smaller Sample/Bigger Sample |
|---|---|
| Ferritin | 0.73 |
| Histone H1 (Acetyl-Lys25) | 0.72 |
| BLK | 0.71 |
| 14-3-3 beta | 0.69 |
| CASP1 (p20,Cleaved-Asn120) | 0.69 |
| MMP14 (Cleaved-Tyr112) | 0.69 |
| GPR171 | 0.68 |
| E-cadherin | 0.68 |
| ITGA5 (light chain,Cleaved-Glu874) | 0.67 |
| MMP27 (Cleaved-Tyr99) | 0.67 |
| GPR173 | 0.66 |
| GPR153 | 0.61 |
| DNAL4 | 0.61 |
| MDFI | 0.60 |
| Histone H4 (Acetyl-Lys5) | 0.55 |
| SUMO2/3 (Cleaved-Gly93) | 0.54 |

| | |
|---|---|
| **Min** | 1.20 |
| **Max** | 4.41 |
| **Mean** | 1.37 |

## Assay Data

*Median Signal* *283* *225*

| Protein List | Average Signal of Replicate Spots | | Coefficient of Variation for Replicates | | Data Normalized to Median Signal | |
|---|---|---|---|---|---|---|
| | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample | Bigger Sample | Smaller Sample |
| Ferritin | 1476 | 851 | 0.01 | 0.15 | 5.21 | 3.79 |
| Histone H1 (Acetyl-Lys25) | 375 | 213 | 0.01 | 0.15 | 1.33 | 0.95 |
| BLK | 212 | 120 | 0.02 | 0.05 | 0.75 | 0.53 |
| 14-3-3 beta | 398 | 219 | 0.05 | 0.08 | 1.40 | 0.97 |
| CASP1 (p20,Cleaved-Asn120) | 589 | 323 | 0.10 | 0.05 | 2.08 | 1.43 |
| MMP14 (Cleaved-Tyr112) | 395 | 216 | 0.08 | 0.06 | 1.39 | 0.96 |
| GPR171 | 273 | 148 | 0.07 | 0.07 | 0.96 | 0.66 |
| E-cadherin | 506 | 272 | 0.03 | 0.02 | 1.79 | 1.21 |
| ITGA5 (light chain,Cleaved-Glu874) | 492 | 264 | 0.09 | 0.07 | 1.74 | 1.17 |
| MMP27 (Cleaved-Tyr99) | 772 | 410 | 0.10 | 0.06 | 2.73 | 1.82 |
| GPR173 | 394 | 207 | 0.06 | 0.20 | 1.39 | 0.92 |
| GPR153 | 783 | 380 | 0.02 | 0.01 | 2.77 | 1.69 |
| DNAL4 | 349 | 169 | 0.43 | 0.11 | 1.23 | 0.75 |
| MDFI | 568 | 270 | 0.07 | 0.08 | 2.01 | 1.20 |
| Histone H4 (Acetyl-Lys5) | 335 | 147 | 0.53 | 0.14 | 1.18 | 0.65 |
| SUMO2/3 (Cleaved-Gly93) | 811 | 347 | 0.05 | 0.04 | 2.86 | 1.54 |

| | | | | |
|---|---|---|---|---|
| Average of Empty Spots | 112 | 82 | 0.03 | 0.07 |
| Average of Negative Controls | 130 | 110 | 0.08 | 0.04 |
| Average of Positive Markers | 2405 | 2552 | 0.02 | 0.04 |

# Appendix F

# Pooled-Microarray

Globally
Normalized Signal
MIN MED MAX

%CFC
<-80% 0 >+200%

Z-ratio
<-1.5 0 >+1.5

SAMPLE DETAILS

Sample IDs: Control ID: Pooled Samples Larger
Treated ID: Pooled Samples Smaller

Globally Normalized Median (Control): 3433

Globally Normalized Median (Treated): 4055

| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Control | Globally Normalized - Control | %Error Range Control | Log2 (Intensity Corrected) - Control | Flag-Treated | Globally Normalized - Treated | %Error Range Treated | Log2 (Intensity Corrected) - Treated | %CFC (Treated from Control) | Z score (Control) | Z score (Treated) | Z-score Difference (Treated-Control) | Z-ratio (Treated, Control) | Block | Row | Column | Refseq | Uniprot Link |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NN166 | 4E-BP1 | Pan-specific | Eukaryotic translation | 0, 0 | 1279 | 2 | 7 | 0, 0 | 999 | 29 | 7 | -22 | -0.63 | -0.83 | -0.20 | -0.74 | 4 | 6 | 1 | NP_004086 | Q13541 |
| 2 | PN001 | 4E-BP1 | S65 | Eukaryotic translation | 0, 0 | 1183 | 5 | 7 | 0, 0 | 1078 | 2 | 7 | -9 | -0.67 | -0.78 | -0.11 | -0.41 | 12 | 6 | 1 | NP_004086 | Q13541 |
| 3 | PN114 | 4E-BP1 | T45 | Eukaryotic translation | 0, 0 | 1638 | 9 | 7 | 0, 0 | 1824 | 3 | 8 | 11 | -0.48 | -0.47 | 0.01 | 0.04 | 8 | 6 | 1 | NP_004086 | Q13541 |
| 4 | CN005 | 4G10 | pTyr | Phosphotyrosine (Clor | 0, 0 | 2906 | 70 | 8 | 0, 0 | 4526 | 249 | 9 | 56 | -0.16 | 0.06 | 0.22 | 0.80 | 16 | 6 | 1 | N/A | N/A |
| 5 | PK502 | A6r | Y309 | Twinfilin-2 | 0, 0 | 8478 | 21 | 10 | 0, 0 | 9463 | 21 | 10 | 12 | 0.45 | 0.50 | 0.05 | 0.16 | 4 | 6 | 2 | NP_009215.1 | Q6IBS0 |
| 6 | PK503 | AAK1 | S637 | AP2-associated protei | 0, 0 | 13538 | 63 | 10 | 0, 0 | 12646 | 38 | 10 | -7 | 0.72 | 0.67 | -0.05 | -0.18 | 8 | 6 | 2 | NP_055726.3 | Q2M2I8 |
| 7 | NK001 | Abl | Pan-specific | Abelson proto-oncoge | 0, 0 | 833 | 7 | 6 | 0, 0 | 1339 | 4 | 7 | 61 | -0.87 | -0.66 | 0.21 | 0.78 | 4 | 6 | 3 | NP_005148 | P00519 |
| 8 | NK001-2 | Abl | Pan-Specific | Abelson proto-oncoge | 0, 0 | 43951 | 4 | 12 | 0, 0 | 69095 | 12 | 13 | 57 | 1.39 | 1.67 | 0.28 | 1.02 | 16 | 6 | 2 | NP_005148 | P00519 |
| 9 | PK001 | Abl | Y393 | Abelson proto-oncoge | 0, 0 | 1981 | 11 | 8 | 0, 0 | 1933 | 1 | 8 | -2 | -0.38 | -0.44 | -0.06 | -0.23 | 12 | 6 | 2 | NP_005148 | P00519 |
| 10 | PN002 | AcCoA carboxylase | S79 | Acetyl coenzyme A ca | 0, 0 | 19324 | 6 | 11 | 0, 0 | 20525 | 2 | 11 | 6 | 0.92 | 0.96 | 0.03 | 0.12 | 8 | 6 | 3 | NP_000655 | Q13085 |
| 11 | NK002 | ACK1 | Pan-specific | Activated CDC42 kina | 0, 0 | 2677 | 20 | 8 | 0, 0 | 5211 | 3 | 9 | 95 | -0.20 | 0.15 | 0.35 | 1.27 | 12 | 6 | 3 | NP_005772 | Q07912 |
| 12 | CN001 | ACTA1 (Alpha - actin) | Pan-specific | Actin, alpha skeletal m | 0, 0 | 2884 | 0 | 8 | 0, 0 | 4818 | 9 | 9 | 67 | -0.16 | 0.10 | 0.26 | 0.95 | 16 | 6 | 3 | NP_001091.1 | P68133 |
| 13 | PN003-PN004 | Adducin a/g | S662 | Adducin alpha (ADD1 | 0, 0 | 5623 | 5 | 9 | 0, 0 | 6256 | 19 | 9 | 11 | 0.22 | 0.25 | 0.04 | 0.13 | 4 | 6 | 4 | NP_058432 | P35611 |
| 14 | NN002 | AIF | Pan-specific | Apoptosis inducing fac | 0, 0 | 1727 | 16 | 7 | 0, 0 | 3018 | 71 | 8 | 75 | -0.45 | -0.18 | 0.28 | 1.01 | 8 | 6 | 4 | NP_004199 | O95831 |
| 15 | NN003 | AK2 | Pan-specific | Adenylate kinase 2 | 0, 0 | 4508 | 34 | 9 | 0, 0 | 5073 | 23 | 9 | 13 | 0.09 | 0.13 | 0.04 | 0.13 | 12 | 6 | 4 | NP_001616 | P54819 |
| 16 | NK129-3 | Akt1 | Pan-Specific | RAC-alpha serine/thre | 0, 0 | 9868 | 12 | 10 | 0, 0 | 6806 | 14 | 9 | -31 | 0.54 | 0.30 | -0.24 | -0.86 | 16 | 6 | 4 | NP_005154 | P31749 |
| 17 | NK129-5 | Akt1 | Pan-Specific | RAC-alpha serine/thre | 0, 0 | 41169 | 18 | 12 | 0, 0 | 30450 | 29 | 12 | -26 | 1.36 | 1.19 | -0.17 | -0.60 | 4 | 6 | 5 | NP_005154 | P31749 |
| 18 | PK517 | Akt1 | Y326 | RAC-alpha serine/thre | 0, 0 | 7039 | 89 | 9 | 0, 0 | 6096 | 51 | 9 | -13 | 0.35 | 0.24 | -0.11 | -0.39 | 8 | 6 | 5 | NP_005154 | P31749 |
| 19 | NK129 | AKT1 (PKBa) | Pan-specific | RAC-alpha serine/thre | 0, 0 | 18678 | 16 | 11 | 0, 0 | 17466 | 24 | 11 | -6 | 0.90 | 0.86 | -0.04 | -0.16 | 4 | 6 | 6 | NP_005154 | P31749 |
| 20 | PK072-1 | Akt1 (PKBa) | S473 | RAC-alpha serine/thre | 0, 0 | 642 | 6 | 6 | 0, 0 | 683 | 27 | 6 | 6 | -1.02 | -1.05 | -0.04 | -0.13 | 12 | 6 | 6 | NP_005154 | P31749 |
| 21 | PK072-3 | Akt1 (PKBa) | S473 | RAC-alpha serine/thre | 0, 0 | 522 | 8 | 6 | 0, 0 | 364 | 14 | 5 | -30 | -1.14 | -1.43 | -0.29 | -1.05 | 8 | 6 | 6 | NP_005154 | P31749 |
| 22 | PK072-5 | Akt1 (PKBa) | S473 | RAC-alpha serine/thre | 0, 0 | 4326 | 27 | 9 | 0, 0 | 3312 | 8 | 8 | -23 | 0.07 | -0.12 | -0.19 | -0.69 | 12 | 6 | 5 | NP_005154 | P31749 |
| 23 | PK148 | Akt1 (PKBa) | Y474 | RAC-alpha serine/thre | 0, 0 | 1982 | 77 | 8 | 0, 0 | 2042 | 5 | 8 | 3 | -0.38 | -0.41 | -0.03 | -0.11 | 16 | 6 | 5 | NP_005154 | P31749 |
| 24 | NK130-4 | Akt2 | Pan-Specific | RAC-beta serine/threo | 0, 0 | 19180 | 0 | 11 | 0, 0 | 12930 | 28 | 10 | -33 | 0.92 | 0.68 | -0.24 | -0.86 | 16 | 6 | 6 | NP_001617 | P31751 |
| 25 | NK130-6 | Akt2 | Pan-specific | RAC-beta serine/threo | 0, 0 | 5060 | 17 | 9 | 0, 0 | 5830 | 9 | 9 | 15 | 0.16 | 0.21 | 0.05 | 0.19 | 11 | 6 | 1 | NP_001617 | P31751 |
| 26 | NK130-7 | Akt2 | Pan-specific | RAC-beta serine/threo | 0, 0 | 4247 | 12 | 9 | 0, 0 | 5645 | 9 | 9 | 33 | 0.06 | 0.19 | 0.13 | 0.49 | 15 | 6 | 1 | NP_001617 | P31751 |
| 27 | NK130-8 | Akt2 | Pan-Specific | RAC-beta serine/threo | 0, 0 | 43939 | 16 | 12 | 0, 0 | 44572 | 26 | 12 | 1 | 1.39 | 1.41 | 0.02 | 0.08 | 3 | 6 | 1 | NP_001617 | P31751 |
| 28 | NK130-9 | Akt2 | Pan-Specific | RAC-beta serine/threo | 0, 0 | 54724 | 1 | 12 | 0, 0 | 71378 | 10 | 13 | 30 | 1.52 | 1.69 | 0.17 | 0.63 | 7 | 6 | 1 | NP_001617 | P31751 |
| 29 | NK131-3 | Akt3 | Pan-Specific | RAC-gamma serine/th | 0, 0 | 52426 | 10 | 12 | 0, 0 | 58269 | 18 | 13 | 11 | 1.49 | 1.57 | 0.08 | 0.29 | 3 | 6 | 2 | NP_005456 | Q9Y243 |
| 30 | NK003 | ALK | Pan-specific | Anaplastic lymphoma | 0, 0 | 33389 | 7 | 12 | 0, 0 | 34476 | 20 | 12 | 3 | 1.24 | 1.26 | 0.03 | 0.10 | 7 | 6 | 2 | AAB71619 | Q9UM73 |
| 31 | PK520 | ALK | Y1507 | Anaplastic lymphoma | 0, 0 | 10333 | 22 | 10 | 0, 0 | 12794 | 2 | 10 | 24 | 0.57 | 0.68 | 0.11 | 0.40 | 11 | 6 | 2 | AAB71619 | Q9UM73 |
| 32 | PK522 | AMPKa2 | S377 | 5'-AMP-activated prote | 0, 0 | 9665 | 21 | 10 | 0, 0 | 10462 | 18 | 10 | 8 | 0.53 | 0.56 | 0.03 | 0.11 | 15 | 6 | 2 | NP_006243.2 | P54646 |
| 33 | PK523 | ANKRD3 | S438 | Ankyrin repeat domain | 0, 0 | 2430 | 49 | 8 | 0, 0 | 2630 | 23 | 8 | 8 | -0.26 | -0.26 | 0.00 | 0.01 | 3 | 6 | 3 | NP_065690.2 | P57078 |
| 34 | PN504 | ANXA2 | Y238 | Annexin A2 | 0, 0 | 3259 | 5 | 8 | 0, 0 | 3680 | 12 | 9 | 13 | -0.09 | -0.06 | 0.03 | 0.12 | 7 | 6 | 3 | NP_001002857.1 | P07355 |
| 35 | NN004 | APG1 | Pan-specific | Hsp 70-related heat sh | 0, 0 | 2431 | 33 | 8 | 0, 0 | 5993 | 18 | 9 | 147 | -0.26 | 0.23 | 0.49 | 1.77 | 11 | 6 | 3 | NP_055093 | O95757 |
| 36 | NN122 | APG2 | Pan-specific | Hsp 70-related heat sh | 0, 0 | 3148 | 1 | 8 | 0, 0 | 9355 | 275 | 10 | 197 | -0.11 | 0.49 | 0.60 | 2.19 | 15 | 6 | 3 | BAA75062 | P34932 |
| 37 | PN189 | APP | T743 | Amyloid beta A4 prote | 0, 0 | 445 | 2 | 5 | 0, 0 | 1395 | 81 | 7 | 214 | -1.23 | -0.63 | 0.60 | 2.16 | 3 | 6 | 4 | NP_000475.1 | P05067 |
| 38 | NK205-2 | A-Raf | Pan-specific | A-Raf proto-oncogene | 0, 0 | 2947 | 20 | 8 | 0, 0 | 6471 | 272 | 9 | 120 | -0.15 | 0.27 | 0.42 | 1.53 | 3 | 6 | 5 | NP_001645.1 | P10398 |
| 39 | NK205-4 | A-Raf | Pan-Specific | A-Raf proto-oncogene | 0, 0 | 77291 | 4 | 13 | 0, 0 | 74399 | 1 | 13 | -4 | 1.72 | 1.72 | 0.00 | 0.01 | 7 | 6 | 4 | NP_001645.1 | P10398 |
| 40 | NK205-5 | A-Raf | Pan-Specific | A-Raf proto-oncogene | 0, 0 | 54134 | 131 | 12 | 0, 0 | 46181 | 47 | 12 | -15 | 1.51 | 1.44 | -0.08 | -0.28 | 11 | 6 | 4 | NP_001645.1 | P10398 |
| 41 | PK500 | A-Raf | Y302 | A-Raf proto-oncogene | 0, 0 | 13275 | 23 | 10 | 0, 0 | 12135 | 24 | 10 | -9 | 0.71 | 0.65 | -0.06 | -0.23 | 15 | 6 | 4 | NP_001645.1 | P10398 |
| 42 | NN121 | Arrestin b | Pan-specific | Arrestin beta 1 | 0, 0 | 422 | 16 | 5 | 0, 0 | 358 | 11 | 5 | -15 | -1.26 | -1.44 | -0.18 | -0.64 | 11 | 6 | 5 | NP_004032 | P49407 |
| 43 | PN133 | Arrestin b | S412 | Arrestin beta 1 | 0, 0 | 13385 | 21 | 10 | 0, 0 | 11838 | 24 | 10 | -12 | 0.71 | 0.63 | -0.08 | -0.30 | 7 | 6 | 5 | NP_004032 | P49407 |
| 44 | NK007 | ASK1 | Pan-specific | Apoptosis signal regul | 0, 0 | 4306 | 16 | 9 | 0, 0 | 8633 | 10 | 10 | 101 | 0.07 | 0.44 | 0.38 | 1.37 | 7 | 6 | 6 | NP_005914 | Q99683 |
| 45 | NK007-2 | ASK1 | Pan-specific | Apoptosis signal regul | 0, 0 | 6135 | 41 | 9 | 0, 0 | 3643 | 110 | 9 | -41 | 0.27 | -0.07 | -0.33 | -1.21 | 3 | 6 | 6 | NP_005914 | Q99683 |
| 46 | PK143 | ASK1 | S966 | Apoptosis signal regul | 0, 0 | 526 | 18 | 6 | 0, 0 | 509 | 17 | 6 | -3 | -1.13 | -1.23 | -0.10 | -0.35 | 15 | 6 | 5 | NP_005914 | Q59GL6 |
| 47 | PN115 | ATF2 | S94/S112 | Activating transcription | 0, 0 | 3414 | 97 | 8 | 0, 0 | 2347 | 58 | 8 | -31 | -0.07 | -0.33 | -0.26 | -0.94 | 2 | 6 | 1 | NP_001871 | P15336 |
| 48 | PN006-1 | ATF2 | T69+T71 | Activating transcription | 0, 0 | 7831 | 19 | 10 | 0, 0 | 7480 | 14 | 10 | -4 | 0.41 | 0.36 | -0.05 | -0.18 | 15 | 6 | 6 | NP_001871 | P15336 |
| 49 | NK008-3 | AurKA | Pan-Specific | Aurora Kinase A (serin | 0, 0 | 9509 | 22 | 10 | 0, 0 | 13925 | 149 | 10 | 46 | 0.52 | 0.73 | 0.21 | 0.75 | 6 | 6 | 1 | NP_940835 | O14965 |
| 50 | NK008-4 | AurKA | Pan-Specific | Aurora Kinase A (serin | 0, 0 | 55853 | 14 | 12 | 0, 0 | 73240 | 3 | 13 | 31 | 1.53 | 1.71 | 0.18 | 0.65 | 10 | 6 | 1 | NP_940835 | O14965 |
| 51 | NK008-5 | AurKA | Pan-Specific | Aurora Kinase A (serin | 0, 0 | 32540 | 37 | 12 | 0, 0 | 34058 | 37 | 12 | 5 | 1.22 | 1.26 | 0.03 | 0.12 | 14 | 6 | 1 | NP_940835 | O14965 |
| 52 | NK193-2 | AurKB | Pan-Specific | Aurora Kinase B (serin | 0, 0 | 27283 | 8 | 11 | 0, 0 | 19213 | 33 | 11 | -30 | 1.12 | 0.92 | -0.20 | -0.74 | 2 | 6 | 2 | NP_004208 | Q96GD4 |
| 53 | NK193-3 | AurKB | Pan-Specific | Aurora Kinase B (serin | 0, 0 | 40853 | 8 | 12 | 0, 0 | 42532 | 7 | 12 | 4 | 1.35 | 1.39 | 0.04 | 0.13 | 6 | 6 | 2 | NP_004208 | Q96GD4 |
| 54 | NK193-4 | AurKB | Pan-Specific | Aurora Kinase B (serin | 0, 0 | 22551 | 308 | 11 | 0, 0 | 11125 | 21 | 10 | -51 | 1.01 | 0.59 | -0.42 | -1.51 | 10 | 6 | 2 | NP_004208 | Q96GD4 |
| 55 | PK530 | AurKB | S227 | Aurora Kinase B (serin | 0, 0 | 25015 | 294 | 11 | 0, 0 | 21895 | 194 | 11 | -12 | 1.07 | 0.99 | -0.08 | -0.28 | 14 | 6 | 2 | NP_004208 | Q96GD4 |
| 56 | NK009-2 | AurKC | Pan-Specific | Aurora Kinase C (serin | 0, 0 | 23079 | 35 | 11 | 0, 0 | 17382 | 29 | 11 | -25 | 1.03 | 0.86 | -0.17 | -0.61 | 2 | 6 | 3 | NP_003151 | Q9UQB9 |
| 57 | PN008 | B23 (NPM) | T199 | B23 (nucleophosmin, | 0, 0 | 797 | 1 | 6 | 0, 0 | 811 | 93 | 6 | 2 | -0.90 | -0.95 | -0.06 | -0.21 | 6 | 6 | 3 | NP_002511 | P06748 |
| 58 | PN009 | B23 (NPM) | T234/237 | B23 (nucleophosmin, | 0, 0 | 252 | 27 | 5 | 0, 0 | 198 | 1 | 4 | -21 | -1.55 | -1.79 | -0.23 | -0.84 | 10 | 6 | 3 | NP_002511 | P06748 |
| 59 | NN000 | Bak | Pan-specific | Bcl2 homologous anta | 0, 0 | 3160 | 45 | 8 | 0, 0 | 1529 | 43 | 7 | -52 | -0.11 | -0.58 | -0.47 | -1.70 | 14 | 6 | 3 | NP_001179 | Q16611 |
| 60 | NN005 | Bax | Pan-specific | Apoptosis regulator Ba | 0, 0 | 9855 | 76 | 10 | 0, 0 | 16330 | 34 | 11 | 66 | 0.54 | 0.82 | 0.28 | 1.02 | 2 | 6 | 4 | NP_620116 | Q07812 |
| 61 | NK257-1 | BCKD (BCKDK) | Pan-Specific | [3-methyl-2-oxobutano | 0, 0 | 14808 | 37 | 11 | 0, 0 | 19597 | 45 | 11 | 32 | 0.77 | 0.93 | 0.16 | 0.57 | 6 | 6 | 4 | NP_001116429.1 | O14874 |
| 62 | NN006-1 | BCL | Pan-specific | B-cell lymphoma prote | 0, 0 | 282 | 12 | 5 | 0, 0 | 289 | 8 | 5 | 2 | -1.49 | -1.56 | -0.07 | -0.27 | 10 | 6 | 4 | NP_000624 | P10415 |
| 63 | NN006 | Bcl2 | Pan-specific | B-cell lymphoma prote | 0, 0 | 231 | 34 | 4 | 0, 0 | 257 | 39 | 5 | 11 | -1.60 | -1.63 | -0.03 | -0.10 | 14 | 6 | 4 | NP_000624 | P10415 |
| 64 | NN007 | Bcl-XL | Pan-specific | Bcl2-like protein 1 | 0, 0 | 12691 | 7 | 10 | 0, 0 | 19485 | 54 | 11 | 54 | 0.68 | 0.93 | 0.24 | 0.87 | 2 | 6 | 5 | NP_612815 | Q07817 |
| 65 | NN008 | Bcl-xS/L | Pan-specific | Bcl2-like protein 1 | 0, 0 | 2220 | 17 | 8 | 0, 0 | 4632 | 19 | 9 | 109 | -0.31 | 0.08 | 0.39 | 1.40 | 6 | 6 | 5 | NP_612815 | Q07817 |
| 66 | PK164 | Bcr | Y177 | Breakpoint cluster reg | 0, 0 | 281 | 30 | 5 | 0, 0 | 274 | 0 | 5 | -3 | -1.49 | -1.60 | -0.10 | -0.37 | 10 | 6 | 5 | NP_004318.3 | P11274 |
| 67 | PK538 | Bcr | Y177 | Breakpoint cluster reg | 0, 0 | 2174 | 110 | 8 | 0, 0 | 3583 | 22 | 9 | 65 | -0.32 | -0.07 | 0.25 | 0.90 | 14 | 6 | 5 | NP_004318.3 | P11274 |
| 68 | NN009 | Bid | Pan-specific | BH3 interacting domai | 0, 0 | 1037 | 60 | 7 | 0, 0 | 3690 | 139 | 9 | 256 | -0.75 | -0.06 | 0.69 | 2.49 | 2 | 6 | 6 | NP_001187 | P55957 |
| 69 | PK542 | BLK | Y188 | B lymphoid tyrosine ki | 0, 0 | 16960 | 32 | 11 | 0, 0 | 13889 | 13 | 10 | -18 | 0.85 | 0.73 | -0.12 | -0.45 | 6 | 6 | 6 | NP_001706.2 | P51451 |
| 70 | PN013 | BLNK | Y84 | B-cell linker protein | 0, 0 | 11974 | 14 | 10 | 0, 0 | 9228 | 9 | 10 | -23 | 0.65 | 0.48 | -0.17 | -0.60 | 10 | 6 | 6 | NP_037446 | O75498 |
| 71 | NK012 | BMX (Etk) | Pan-specific | Bone marrow X protein | 0, 0 | 586 | 61 | 6 | 0, 0 | 798 | 0 | 6 | 36 | -1.07 | -0.96 | 0.11 | 0.40 | 5 | 6 | 1 | NP_001712 | P51813 |
| 72 | PK003 | BMX (Etk) | Y40 | Bone marrow X protein | 0, 0 | 131 | 24 | 4 | 0, 0 | 110 | 18 | 3 | -16 | -1.93 | -2.13 | -0.21 | -0.76 | 14 | 6 | 6 | NP_001712 | P51813 |
| 73 | NK156 | B-Raf | Pan-specific | RafB proto-oncogene- | 0, 0 | 1730 | 28 | 7 | 0, 0 | 2511 | 19 | 8 | 45 | -0.45 | -0.29 | 0.17 | 0.61 | 9 | 6 | 2 | NP_004324 | P15056 |
| 74 | NK156-4 | B-Raf | Pan-Specific | RafB proto-oncogene- | 0, 0 | 36252 | 8 | 12 | 0, 0 | 27344 | 12 | 11 | -25 | 1.28 | 1.13 | -0.16 | -0.57 | 9 | 6 | 1 | NP_004324 | P15056 |
| 75 | NK156-5 | B-Raf | Pan-Specific | RafB proto-oncogene- | 0, 0 | 8923 | 60 | 10 | 0, 0 | 6619 | 31 | 9 | -26 | 0.48 | 0.29 | -0.20 | -0.71 | 13 | 6 | 1 | NP_004324 | P15056 |
| 76 | PK534 | B-Raf | S446+pS447 | RafB proto-oncogene- | 0, 0 | 25355 | 29 | 11 | 0, 0 | 22653 | 14 | 11 | -11 | 1.08 | 1.01 | -0.06 | -0.23 | 1 | 6 | 2 | NP_004324 | P15056 |
| 77 | PK535 | B-Raf | S729 | RafB proto-oncogene- | 0, 0 | 24433 | 45 | 11 | 0, 0 | 33610 | 35 | 12 | 38 | 1.06 | 1.25 | 0.19 | 0.69 | 5 | 6 | 2 | NP_004324 | P15056 |
| 78 | PN116 | BRCA1 | S1423 | Breast cancer type 1 s | 0, 0 | 416 | 4 | 5 | 0, 0 | 269 | 13 | 5 | -35 | -1.27 | -1.60 | -0.34 | -1.22 | 13 | 6 | 2 | NP_009225 | P38398 |
| 79 | PN014 | BRCA1 | S1497 | Breast cancer type 1 s | 0, 0 | 126 | 29 | 4 | 0, 0 | 264 | 19 | 5 | 109 | -1.95 | -1.62 | 0.33 | 1.20 | 1 | 6 | 3 | NP_009225 | P38398 |
| 80 | NK013 | BRD2 | Pan-specific | Bromodomain-contain | 0, 0 | 3324 | 20 | 8 | 0, 0 | 4973 | 19 | 9 | 50 | -0.08 | 0.12 | 0.20 | 0.72 | 5 | 6 | 3 | NP_005095 | P25440 |
| 81 | PK549 | BRSK1 | T189 | BR serine/threonine-p | 0, 0 | 12522 | 102 | 10 | 0, 0 | 12206 | 30 | 10 | -3 | 0.68 | 0.65 | -0.03 | -0.10 | 9 | 6 | 3 | NP_115806.1 | Q8TDC3 |
| 82 | NK014 | Btk | Pan-specific | Bruton's agammaglob | 0, 0 | 2333 | 61 | 8 | 0, 0 | 7568 | 544 | 10 | 224 | -0.28 | 0.37 | 0.65 | 2.35 | 13 | 6 | 3 | NP_000052 | Q06187 |
| 83 | NN174 | CA9 | Pan-specific | Carbonic anhydrase 9 | 0, 0 | 3691 | 6 | 8 | 0, 0 | 4468 | 51 | 9 | 21 | -0.02 | 0.06 | 0.08 | 0.28 | 1 | 6 | 4 | XP_006716930.1 | Q16790 |
| 84 | PN015 | Caldesmon | S789 | Caldesmon | 0, 0 | 161 | 25 | 4 | 0, 0 | 179 | 69 | 4 | 12 | -1.81 | -1.84 | -0.03 | -0.13 | 5 | 6 | 4 | NP_004333 | Q05682 |
| 85 | NN136-2 | Calnexin | Pan-specific | Calnexin | 0, 0 | 31616 | 11 | 12 | 0, 0 | 29793 | 9 | 12 | -6 | 1.20 | 1.18 | -0.03 | -0.10 | 9 | 6 | 4 | NP_001019820.1 | P27824 |
| 86 | NN137-1 | Calreticulin | Pan-specific | Calreticulin | 0, 0 | 56136 | 3 | 12 | 0, 0 | 54364 | 4 | 12 | -3 | 1.53 | 1.53 | 0.00 | 0.00 | 13 | 6 | 4 | NP_004334.1 | P27797 |
| 87 | NK016-2 | CaMK1d | Pan-specific | Calcium/calmodulin-de | 0, 0 | 1520 | 4 | 7 | 0, 0 | 2141 | 34 | 8 | 41 | -0.53 | -0.38 | 0.15 | 0.54 | 1 | 6 | 5 | NP_003647 | Q8IU85 |

Globally Normalized Signal
MIN MED MAX

%CFC
<-80% 0 >+200%

Z-ratio
<-1.5 0 >+1.5

SAMPLE DETAILS

Sample IDs: Control ID: Pooled Samples Larger
Treated ID: Pooled Samples Smaller

Globally Normalized Median (Control): 3433

Globally Normalized Median (Treated): 4055

| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Control | Globally Normalized - Control | %Error Range Control | Log2 (Intensity Corrected) - Control | Flag-Treated | Globally Normalized - Treated | %Error Range Treated | Log2 (Intensity Corrected) - Treated | %CFC (Treated from Control) | Z score (Control) | Z score (Treated) | Z-score Difference (Treated-Control) | Z-ratio (Treated, Control) | Block | Row | Column | Refseq | Uniprot Link |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88 | PK555 | CaMK2a | T286 | Calcium/calmodulin-de | 0, 0 | 13946 | 58 | 10 | 0, 0 | 10994 | 76 | 10 | -21 | 0.74 | 0.59 | -0.15 | -0.54 | 5 | 6 | 5 | NP_057065.2 | Q9UQM7 |
| 89 | NK019-2 | CAMK2d | Pan-specific | Calcium/calmodulin-de | 0, 0 | 4695 | 57 | 9 | 0, 0 | 5143 | 33 | 9 | 10 | 0.12 | 0.14 | 0.02 | 0.08 | 9 | 6 | 5 | NP_742126 | Q13557 |
| 90 | NK021-3 | CaMK4 | Pan-specific | Calcium/calmodulin-de | 0, 0 | 20776 | 22 | 11 | 0, 0 | 19420 | 0 | 11 | -7 | 0.97 | 0.92 | -0.04 | -0.15 | 1 | 6 | 6 | NP_001735 | Q16566 |
| 91 | PK556 | CaMK4 | T200 | Calcium/calmodulin-de | 0, 0 | 4362 | 63 | 9 | 0, 0 | 4651 | 51 | 9 | 7 | 0.07 | 0.08 | 0.00 | 0.02 | 13 | 6 | 5 | NP_001735.1 | Q16566 |
| 92 | NK211 | CamKI | Pan-specific | Calcium/calmodulin-de | 0, 0 | 1520 | 35 | 7 | 0, 0 | 2661 | 8 | 8 | 75 | -0.53 | -0.25 | 0.28 | 1.00 | 5 | 6 | 6 | NP_003647.1 | Q14012 |
| 93 | NK022 | CaMKK | Pan-Specific | Calcium/calmodulin-de | 0, 0 | 3908 | 26 | 9 | 0, 0 | 4116 | 6 | 9 | 5 | 0.01 | 0.01 | 0.00 | -0.02 | 9 | 6 | 6 | NP_006540 | Q8N5S9 |
| 94 | PN505 | Cas-L | Y166 | Enhancer of filamenta | 0, 0 | 5199 | 36 | 9 | 0, 0 | 5760 | 22 | 9 | 11 | 0.17 | 0.21 | 0.03 | 0.11 | 13 | 6 | 6 | NP_001135865.1 | Q14511 |
| 95 | NN011 | Caspase 1 | Pan-specific | Caspase 1 (Interleuki | 0, 0 | 4700 | 50 | 9 | 0, 0 | 8815 | 51 | 10 | 88 | 0.12 | 0.46 | 0.34 | 1.23 | 4 | 6 | 7 | NP_001214 | P29466 |
| 96 | NN013 | Caspase 3 | Pan-specific | Caspase 3 (apopain, | 0, 0 | 406 | 44 | 5 | 0, 0 | 397 | 25 | 5 | -2 | -1.28 | -1.38 | -0.09 | -0.34 | 8 | 6 | 7 | NP_004337 | P42574 |
| 97 | NN016 | Caspase 6 | Pan-specific | Caspase 6 (apoptotic | 0, 0 | 151 | 24 | 4 | 0, 0 | 184 | 21 | 4 | 22 | -1.84 | -1.83 | 0.02 | 0.05 | 16 | 6 | 7 | NP_001217 | P55212 |
| 98 | NN017-2 | Caspase 7 | Pan-specific | Caspase 7 (ICE-like a | 0, 0 | 1159 | 29 | 7 | 0, 0 | 1666 | 32 | 7 | 44 | -0.68 | -0.53 | 0.15 | 0.56 | 4 | 6 | 8 | NP_01218 | P55210 |
| 99 | PN162 | Catenin a | S641 | Catenin (cadherin-ass | 0, 0 | 1073 | 38 | 7 | 0, 0 | 1136 | 29 | 7 | 6 | -0.73 | -0.75 | -0.03 | -0.10 | 8 | 6 | 8 | NP_001277236.1 | P35221 |
| 100 | NN021 | Catenin b | Pan-specific | Catenin (cadherin-ass | 0, 0 | 2196 | 124 | 8 | 0, 0 | 2086 | 7 | 8 | -5 | -0.32 | -0.39 | -0.08 | -0.28 | 12 | 6 | 8 | NP_001895 | P35222 |
| 101 | PN166 | Catenin b | S33 | Catenin (cadherin-ass | 0, 0 | 1340 | 96 | 7 | 0, 0 | 1673 | 42 | 7 | 25 | -0.60 | -0.53 | 0.07 | 0.27 | 16 | 6 | 8 | NP_001895 | P35222 |
| 102 | PN167 | Catenin b | Y333 | Catenin (cadherin-ass | 0, 0 | 501 | 1 | 6 | 0, 0 | 653 | 20 | 6 | 30 | -1.16 | -1.08 | 0.08 | 0.29 | 4 | 6 | 9 | NP_001895 | P35222 |
| 103 | NN021-1 | Catenin b1 | Pan-Specific | Catenin (cadherin-ass | 0, 0 | 384 | 34 | 5 | 0, 0 | 466 | 34 | 6 | 21 | -1.31 | -1.28 | 0.03 | 0.11 | 8 | 6 | 9 | NP_001895 | P35222 |
| 104 | NN167 | Caveolin 1 | Pan-specific | Caveolin 1 | 0, 0 | 119 | 20 | 4 | 0, 0 | 155 | 43 | 4 | 30 | -1.98 | -1.93 | 0.05 | 0.19 | 12 | 6 | 9 | NP_001166366.1 | Q03135 |
| 105 | PN147 | Caveolin 1 | Y14 | Caveolin 1 | 0, 0 | 351 | 11 | 5 | 0, 0 | 336 | 26 | 5 | -4 | -1.36 | -1.47 | -0.11 | -0.40 | 16 | 6 | 9 | NP_001166366.1 | Q03135 |
| 106 | NN022-1 | Caveolin 2 | Pan-specific | Caveolin 2 | 0, 0 | 2291 | 10 | 8 | 0, 0 | 1833 | 5 | 8 | -20 | -0.29 | -0.47 | -0.18 | -0.64 | 8 | 6 | 10 | NP_001224 | P51636 |
| 107 | PN018 | Caveolin 2 | S36 | Caveolin 2 | 0, 0 | 3695 | 16 | 8 | 0, 0 | 4001 | 29 | 9 | 8 | -0.02 | -0.01 | 0.01 | 0.04 | 4 | 6 | 10 | NP_001224 | P51636 |
| 108 | PN171 | c-Cbl | Y700 | Signal transduction pr | 0, 0 | 285 | 1 | 5 | 0, 0 | 258 | 66 | 5 | -9 | -1.48 | -1.63 | -0.15 | -0.53 | 12 | 6 | 10 | NP_005179.2 | P22681 |
| 109 | NP001 | CD45 | Pan-specific | Leukocyte common ar | 0, 0 | 853 | 36 | 6 | 0, 0 | 714 | 23 | 6 | -16 | -0.86 | -1.03 | -0.17 | -0.62 | 16 | 6 | 10 | NP_002829 | P08575 |
| 110 | NN186 | CD63 | Pan-specific | CF63 Antigen | 0, 0 | 66642 | 23 | 13 | 0, 0 | 6295 | 72 | 9 | -91 | 1.63 | 0.26 | -1.37 | -4.97 | 4 | 6 | 11 | NP_001244318.1 | P08962 |
| 111 | NK025-5 | Cdc2 p34 | Pan-specific | Cyclin-dependent prot | 0, 0 | 705 | 81 | 6 | 0, 0 | 1301 | 16 | 7 | 85 | -0.97 | -0.67 | 0.29 | 1.06 | 8 | 6 | 11 | NP_001777 | P06493 |
| 112 | NK025-6 | Cdc2 p34 | Pan-specific | Cyclin-dependent prot | 0, 0 | 5058 | 125 | 9 | 0, 0 | 3644 | 8 | 9 | -28 | 0.16 | -0.07 | -0.22 | -0.81 | 12 | 6 | 11 | NP_001777 | P06493 |
| 113 | NP038-1 | CDC25A | Pan-Specific | Cell division cycle 25A | 0, 0 | 13432 | 17 | 10 | 0, 0 | 8663 | 102 | 10 | -36 | 0.72 | 0.45 | -0.27 | -0.98 | 16 | 6 | 11 | NP_001780.2 | P30304 |
| 114 | NP038-2 | CDC25A | Pan-Specific | Cell division cycle 25A | 0, 0 | 39187 | 32 | 12 | 0, 0 | 31088 | 63 | 12 | -21 | 1.33 | 1.20 | -0.13 | -0.46 | 4 | 7 | 1 | NP_001780.2 | P30304 |
| 115 | NP038-3 | CDC25A | Pan-Specific | Cell division cycle 25A | 0, 0 | 8921 | 31 | 10 | 0, 0 | 6221 | 43 | 9 | -30 | 0.48 | 0.25 | -0.23 | -0.84 | 8 | 7 | 1 | NP_001780.2 | P30304 |
| 116 | NP002 | Cdc25B | Pan-specific | Cell division cycle 25B | 0, 0 | 1769 | 25 | 7 | 0, 0 | 1340 | 23 | 7 | -24 | -0.44 | -0.66 | -0.22 | -0.78 | 3 | 6 | 7 | NP_004349 | P30305 |
| 117 | NP002-2 | Cdc25B | Pan-Specific | Cell division cycle 25B | 0, 0 | 24698 | 37 | 11 | 0, 0 | 21225 | 29 | 11 | -14 | 1.06 | 0.98 | -0.09 | -0.32 | 12 | 7 | 1 | NP_004349 | P30305 |
| 118 | NP002-3 | Cdc25B | Pan-Specific | Cell division cycle 25B | 0, 0 | 48033 | 11 | 12 | 0, 0 | 47731 | 10 | 12 | -1 | 1.44 | 1.45 | 0.01 | 0.04 | 16 | 7 | 1 | NP_004349 | P30305 |
| 119 | NP003 | Cdc25C | Pan-specific | Cell division cycle 25C | 0, 0 | 2485 | 46 | 8 | 0, 0 | 2750 | 19 | 8 | 11 | -0.25 | -0.23 | 0.02 | 0.06 | 15 | 6 | 7 | NP_001781 | P30307 |
| 120 | NP003-2 | Cdc25C | Pan-Specific | Cell division cycle 25C | 0, 0 | 52621 | 9 | 12 | 0, 0 | 57410 | 7 | 13 | 9 | 1.50 | 1.56 | 0.07 | 0.25 | 7 | 6 | 7 | NP_001781 | P30307 |
| 121 | NP003-3 | Cdc25C | Pan-Specific | Cell division cycle 25C | 0, 0 | 41174 | 18 | 12 | 0, 0 | 41343 | 27 | 12 | 0 | 1.36 | 1.37 | 0.01 | 0.05 | 11 | 6 | 7 | NP_001781 | P30307 |
| 122 | NK024 | CDC2L5 | Pan-specific | Cell division cycle 2-lik | 0, 0 | 3672 | 15 | 8 | 0, 0 | 5759 | 42 | 9 | 57 | -0.02 | 0.21 | 0.23 | 0.83 | 3 | 6 | 8 | NP_003709 | Q14004 |
| 123 | NN023 | Cdc34 | Pan-specific | Cell division cycle 34 ( | 0, 0 | 763 | 6 | 6 | 0, 0 | 572 | 7 | 6 | -25 | -0.92 | -1.16 | -0.24 | -0.86 | 7 | 6 | 8 | NP_004350 | P49427 |
| 124 | NN024 | CDC42 | Pan-specific | Cell division control pr | 0, 0 | 1059 | 9 | 7 | 0, 0 | 759 | 13 | 6 | -28 | -0.73 | -0.99 | -0.26 | -0.93 | 11 | 6 | 8 | NP_001782 | P60953 |
| 125 | PK558 | CDC7 | T376 | Cell division cycle 7-re | 0, 0 | 1784 | 9 | 7 | 0, 0 | 1998 | 22 | 8 | 12 | -0.44 | -0.42 | 0.02 | 0.06 | 15 | 6 | 8 | NP_001127891.1 | O00311 |
| 126 | NK025-1 | CDK1 | Pan-specific | Cyclin-dependent prot | 0, 0 | 13082 | 27 | 10 | 0, 0 | 12136 | 18 | 10 | -7 | 0.70 | 0.65 | -0.06 | -0.20 | 3 | 6 | 9 | NP_001777 | P06493 |
| 127 | NK025-2 | CDK1 | Pan-specific | Cyclin-dependent prot | 0, 0 | 477 | 8 | 6 | 0, 0 | 375 | 17 | 5 | -21 | -1.19 | -1.41 | -0.22 | -0.80 | 7 | 6 | 9 | NP_001777 | P06493 |
| 128 | PK563 | CDK1 | Y19 | Cyclin-dependent prot | 0, 0 | 8092 | 75 | 10 | 0, 0 | 10129 | 84 | 10 | 25 | 0.43 | 0.54 | 0.11 | 0.41 | 11 | 6 | 9 | NP_001777 | P06493 |
| 129 | PK006 | CDK1/2 | Y14/Y15 | Cyclin-dependent prot | 0, 0 | 1431 | 63 | 7 | 0, 0 | 1191 | 15 | 7 | -17 | -0.56 | -0.73 | -0.16 | -0.59 | 15 | 6 | 9 | NP_001777 | P06493 |
| 130 | PK007-1 | CDK1/2 | Y15 | Cyclin-dependent prot | 0, 0 | 154 | 4 | 4 | 0, 0 | 172 | 54 | 4 | 12 | -1.84 | -1.87 | -0.03 | -0.12 | 7 | 6 | 10 | NP_001777 | P06493 |
| 131 | PK007-3 | CDK1/2 | Y15 | Cyclin-dependent prot | 0, 0 | 224 | 4 | 4 | 0, 0 | 272 | 41 | 5 | 22 | -1.62 | -1.60 | 0.02 | 0.08 | 3 | 6 | 10 | NP_001777 | P06493 |
| 132 | PK008-1 | CDK1/CDC2 | T161 | Cyclin-dependent prot | 0, 0 | 293 | 73 | 5 | 0, 0 | 209 | 9 | 4 | -29 | -1.47 | -1.75 | -0.29 | -1.04 | 11 | 6 | 10 | NP_001777 | P06493 |
| 133 | PK565 | CDK11A | T583 | Cell division cycle 2-lik | 0, 0 | 4899 | 20 | 9 | 0, 0 | 4076 | 4 | 9 | -17 | 0.14 | 0.00 | -0.14 | -0.50 | 15 | 6 | 10 | NP_076916.2 | Q9UQ88 |
| 134 | NK026-3 | CDK2 | Pan-specific | Cyclin-dependent prot | 0, 0 | 51 | 34 | 2 | 0, 0 | 48 | 23 | 2 | -5 | -2.47 | -2.62 | -0.15 | -0.55 | 15 | 6 | 11 | NP_001789 | P24941 |
| 135 | NK026-5 | CDK2 | Pan-specific | Cyclin-dependent prot | 0, 0 | 3432 | 47 | 8 | 0, 0 | 4311 | 59 | 9 | 26 | -0.06 | 0.03 | 0.10 | 0.35 | 3 | 6 | 11 | NP_001789 | P24941 |
| 136 | NK026-6 | CDK2 | Pan-specific | Cyclin-dependent prot | 0, 0 | 9381 | 435 | 10 | 0, 0 | 7369 | 13 | 10 | -21 | 0.51 | 0.35 | -0.16 | -0.58 | 7 | 6 | 11 | NP_001789 | P24941 |
| 137 | NK026-7 | CDK2 | Pan-specific | Cyclin-dependent prot | 0, 0 | 2743 | 286 | 8 | 0, 0 | 1645 | 36 | 7 | -40 | -0.19 | -0.54 | -0.34 | -1.25 | 11 | 6 | 11 | NP_001789 | P24941 |
| 138 | NK027 | CDK4 | Pan-specific | Cyclin-dependent prot | 0, 0 | 28341 | 24 | 11 | 0, 0 | 31368 | 16 | 12 | 11 | 1.14 | 1.21 | 0.06 | 0.23 | 12 | 6 | 7 | NP_000066 | P11802 |
| 139 | NK027-2 | CDK4 | Pan-specific | Cyclin-dependent prot | 0, 0 | 980 | 23 | 7 | 0, 0 | 1196 | 12 | 7 | 22 | -0.78 | -0.72 | 0.06 | 0.20 | 7 | 7 | 1 | NP_000066 | P11802 |
| 140 | PK569 | CDK4 | T172 | Cyclin-dependent prot | 0, 0 | 12242 | 208 | 10 | 0, 0 | 10978 | 193 | 10 | -10 | 0.66 | 0.59 | -0.08 | -0.28 | 3 | 7 | 1 | NP_000066 | P11802 |
| 141 | NK028-2 | CDK5 | Pan-specific | Cyclin-dependent prot | 0, 0 | 33922 | 14 | 12 | 0, 0 | 26949 | 5 | 11 | -21 | 1.25 | 1.12 | -0.13 | -0.46 | 2 | 6 | 7 | NP_004926 | Q00535 |
| 142 | NK028-4 | CDK5 | Pan-specific | Cyclin-dependent prot | 0, 0 | 17087 | 972 | 11 | 0, 0 | 4550 | 31 | 9 | -73 | 0.85 | 0.07 | -0.79 | -2.85 | 11 | 7 | 1 | NP_004926 | Q00535 |
| 143 | NK028-5 | CDK5 | Pan-specific | Cyclin-dependent prot | 0, 0 | 3687 | 31 | 8 | 0, 0 | 5521 | 30 | 9 | 50 | -0.02 | 0.18 | 0.20 | 0.73 | 15 | 7 | 1 | NP_004926 | Q00535 |
| 144 | NK029 | CDK6 | Pan-specific | Cyclin-dependent prot | 0, 0 | 53698 | 12 | 12 | 0, 0 | 56937 | 25 | 13 | 6 | 1.51 | 1.56 | 0.05 | 0.19 | 6 | 6 | 7 | NP_001250 | Q00534 |
| 145 | NK029-3 | CDK6 | Pan-specific | Cyclin-dependent prot | 0, 0 | 3031 | 277 | 8 | 0, 0 | 969 | 64 | 7 | -68 | -0.13 | -0.85 | -0.71 | -2.59 | 14 | 6 | 7 | NP_001250 | Q00534 |
| 146 | PK165 | CDK6 | Y13 | Cyclin-dependent prot | 0, 0 | 798 | 26 | 6 | 0, 0 | 651 | 26 | 6 | -18 | -0.89 | -1.08 | -0.19 | -0.68 | 10 | 6 | 7 | NP_001250 | Q00534 |
| 147 | NK030-2 | CDK7 | Pan-specific | Cyclin-dependent prot | 0, 0 | 934 | 14 | 7 | 0, 0 | 7560 | 71 | 10 | 709 | -0.81 | 0.37 | 1.17 | 4.24 | 2 | 6 | 8 | NP_001790 | P50613 |
| 148 | NK031-5 | CDK8 | Pan-specific | Cyclin-dependent prot | 0, 0 | 2257 | 16 | 8 | 0, 0 | 2287 | 47 | 8 | 1 | -0.30 | -0.34 | -0.04 | -0.14 | 6 | 6 | 8 | NP_001252 | P49336 |
| 149 | NK032 | CDK9 | Pan-specific | Cyclin-dependent prot | 0, 0 | 4512 | 120 | 9 | 0, 0 | 8403 | 185 | 10 | 86 | 0.09 | 0.43 | 0.33 | 1.21 | 2 | 6 | 9 | NP_001252.1 | P50750 |
| 150 | PK574 | CDK9 | S347 | Cyclin-dependent prot | 0, 0 | 4712 | 104 | 9 | 0, 0 | 3639 | 30 | 9 | -23 | 0.12 | -0.07 | -0.18 | -0.67 | 10 | 6 | 8 | NP_001252.1 | P50750 |
| 151 | PK575 | CDK9 | T186 | Cyclin-dependent prot | 0, 0 | 10504 | 74 | 10 | 0, 0 | 10056 | 60 | 10 | -4 | 0.58 | 0.53 | -0.04 | -0.15 | 14 | 6 | 8 | NP_001252.1 | P50750 |
| 152 | NK034 | Chk1 | Pan-specific | Checkpoint protein-se | 0, 0 | 4886 | 193 | 9 | 0, 0 | 4393 | 110 | 9 | -10 | 0.14 | 0.05 | -0.09 | -0.34 | 14 | 6 | 9 | NP_001265 | O14757 |
| 153 | NK034-2 | Chk1 | Pan-specific | Checkpoint protein-se | 0, 0 | 3433 | 183 | 8 | 0, 0 | 4962 | 32 | 9 | 45 | -0.06 | 0.12 | 0.18 | 0.65 | 2 | 6 | 10 | NP_001265 | O14757 |
| 154 | PK162 | Chk1 | S280 | Checkpoint protein-se | 0, 0 | 147 | 25 | 4 | 0, 0 | 159 | 24 | 4 | 8 | -1.86 | -1.92 | -0.06 | -0.21 | 10 | 6 | 9 | NP_001265 | O14757 |
| 155 | PK577 | Chk1 | S280 | Checkpoint protein-se | 0, 0 | 15644 | 122 | 11 | 0, 0 | 10474 | 74 | 10 | -33 | 0.80 | 0.56 | -0.24 | -0.89 | 6 | 6 | 10 | NP_001265 | O14757 |
| 156 | PK578 | Chk1 | S317 | Checkpoint protein-se | 0, 0 | 2533 | 44 | 8 | 0, 0 | 2692 | 36 | 8 | 6 | -0.24 | -0.24 | -0.01 | -0.03 | 6 | 6 | 9 | NP_001265 | O14757 |
| 157 | PK579 | Chk1 | S345 | Checkpoint protein-se | 0, 0 | 3956 | 61 | 9 | 0, 0 | 3847 | 34 | 9 | -3 | 0.02 | -0.03 | -0.05 | -0.19 | 10 | 6 | 10 | NP_001265 | O14757 |
| 158 | NK035 | Chk2 | Pan-specific | Checkpoint protein-se | 0, 0 | 2956 | 289 | 8 | 0, 0 | 7063 | 590 | 9 | 139 | -0.15 | 0.33 | 0.47 | 1.71 | 14 | 6 | 10 | NP_009125 | O96017 |
| 159 | PK119 | Chk2 | T68 | Checkpoint protein-se | 0, 0 | 243 | 18 | 5 | 0, 0 | 244 | 36 | 5 | 0 | -1.57 | -1.66 | -0.09 | -0.32 | 2 | 6 | 11 | NP_009125 | O96017 |
| 160 | PK581 | Chk2 | T68 | Checkpoint protein-se | 0, 0 | 2431 | 70 | 8 | 0, 0 | 2132 | 36 | 8 | -12 | -0.26 | -0.38 | -0.12 | -0.44 | 6 | 6 | 11 | NP_009125 | O96017 |
| 161 | NK036 | CK1d | Pan-specific | Casein protein-serine | 0, 0 | 1674 | 21 | 7 | 0, 0 | 2074 | 39 | 8 | 24 | -0.47 | -0.40 | 0.07 | 0.27 | 10 | 6 | 11 | NP_001884 | P48730 |
| 162 | NK037-1 | CK1e | Pan-specific | Casein protein-serine | 0, 0 | 44843 | 14 | 12 | 0, 0 | 48734 | 17 | 12 | 9 | 1.40 | 1.47 | 0.06 | 0.23 | 14 | 6 | 11 | NP_001885 | P49674 |
| 163 | NK041 | CK2a | Pan-Specific | Casein protein-serine | 0, 0 | 10428 | 46 | 10 | 0, 0 | 8845 | 34 | 10 | -15 | 0.57 | 0.46 | -0.11 | -0.41 | 2 | 7 | 1 | NP_001887 | P68400 |
| 164 | PK167 | CK2a | T360/S362 | Casein protein-serine | 0, 0 | 117 | 71 | 4 | 0, 0 | 141 | 67 | 4 | 20 | -1.99 | -1.99 | 0.00 | 0.01 | 6 | 7 | 1 | NP_001887 | P68400 |
| 165 | NN026 | Cofilin | Pan-specific | Cofilin 1 | 0, 0 | 539 | 35 | 6 | 0, 0 | 382 | 51 | 5 | -29 | -1.12 | -1.40 | -0.28 | -1.01 | 10 | 7 | 1 | NP_005498 | P23528 |
| 166 | PN019 | Cofilin 1 | S3 | Cofilin 1 | 0, 0 | 821 | 77 | 6 | 0, 0 | 724 | 12 | 6 | -12 | -0.88 | -1.02 | -0.14 | -0.51 | 14 | 7 | 1 | NP_005498 | P23528 |
| 167 | PN020 | Cofilin 2 | S3 | Cofilin 2 | 0, 0 | 2030 | 32 | 8 | 0, 0 | 1990 | 1 | 8 | -2 | -0.36 | -0.42 | -0.06 | -0.22 | 1 | 6 | 7 | NP_068733 | Q9Y281 |
| 168 | PN148 | Connexin 43 | S367 | Gap junction alpha-1 | 0, 0 | 283 | 8 | 5 | 0, 0 | 440 | 65 | 5 | 56 | -1.49 | -1.31 | 0.17 | 0.63 | 5 | 6 | 7 | NP_000156.1 | P17302 |
| 169 | PN022-2 | Cortactin | Y466 | Cortactin (amplaxin) ( | 0, 0 | 6502 | 25 | 9 | 0, 0 | 6810 | 12 | 9 | 5 | 0.30 | 0.30 | 0.00 | 0.01 | 9 | 6 | 7 | NP_031829 | Q14247 |
| 170 | NK042 | COT | Pan-Specific | Osaka thyroid oncoge | 0, 0 | 18321 | 30 | 11 | 0, 0 | 16839 | 26 | 11 | -8 | 0.89 | 0.84 | -0.05 | -0.20 | 13 | 6 | 7 | NP_005195 | P41279 |
| 171 | NK042-2 | COT | Pan-Specific | Osaka thyroid oncoge | 0, 0 | 13829 | 42 | 10 | 0, 0 | 10341 | 16 | 10 | -25 | 0.73 | 0.55 | -0.18 | -0.66 | 1 | 6 | 8 | NP_005195 | P41279 |
| 172 | NN027 | COX2 | Pan-specific | Cyclo-oxygenase 2 (p | 0, 0 | 1436 | 819 | 7 | 0, 0 | 199 | 50 | 4 | -86 | -0.56 | -1.78 | -1.22 | -4.43 | 5 | 6 | 8 | NP_000954 | P35354 |
| 173 | NK043 | CPG16/CaMKinase VI | Pan-specific | Serine/threonine-prote | 0, 0 | 397 | 152 | 5 | 0, 0 | 310 | 14 | 5 | -22 | -1.29 | -1.52 | -0.23 | -0.82 | 9 | 6 | 8 | NP_004725 | O15075 |
| 174 | NK134-2 | cPKC ?II | Pan-specific | Protein-serine kinase | 0, 0 | 2602 | 53 | 8 | 0, 0 | 2836 | 35 | 8 | 9 | -0.22 | -0.21 | 0.01 | 0.03 | 13 | 6 | 8 | AAA60095 | P05771-2 |

Globally Normalized Signal
MIN MED MAX

%CFC
<-80% 0 >+200%

Z-ratio
<-1.5 0 >+1.5

SAMPLE DETAILS

Sample IDs: Control ID: Pooled Samples Larger
Treated ID: Pooled Samples Smaller

| | | | | | | Globally Normalized Median<br>3433 | | | | Globally Normalized Median<br>4055 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Control | Globally Normalized - Control | %Error Range Control | Log2 (Intensity Corrected) - Control | Flag-Treated | Globally Normalized - Treated | %Error Range Treated | Log2 (Intensity Corrected) - Treated | %CFC (Treated from Control) | Z score (Control) | Z score (Treated) | Z-score Difference (Treated-Control) | Z-ratio (Treated, Control) | Block | Row | Column | Refseq | Uniprot Link |
| 175 | PN023 | CREB1 | S129/S133 | cAMP response eleme | 0, 0 | 377 | 10 | 5 | 0, 0 | 311 | 13 | 5 | -18 | -1.32 | -1.52 | -0.20 | -0.71 | 1 | 6 | 9 | NP_004370 | P16220 |
| 176 | PN024 | CREB1 | S133 | cAMP response eleme | 0, 0 | 18492 | 10 | 11 | 0, 0 | 9990 | 13 | 10 | -46 | 0.90 | 0.53 | -0.37 | -1.33 | 5 | 6 | 9 | NP_004370 | P16220 |
| 177 | NN182 | CrkL (32H4) | Pan-specific | Crk-like protein | 0, 0 | 11600 | 35 | 10 | 0, 0 | 10671 | 17 | 10 | -8 | 0.63 | 0.57 | -0.06 | -0.23 | 9 | 6 | 9 | NP_005198.1 | P46109 |
| 178 | NN149-1 | Crystallin aB | Pan-specific | Crystallin alpha B (hea | 0, 0 | 20231 | 7 | 11 | 0, 0 | 19215 | 3 | 11 | -5 | 0.95 | 0.92 | -0.03 | -0.12 | 5 | 6 | 10 | NP_001876 | P02511 |
| 179 | NN149-2 | Crystallin aB | Pan-specific | Crystallin alpha B (hea | 0, 0 | 2391 | 5 | 8 | 0, 0 | 2674 | 18 | 8 | 12 | -0.27 | -0.25 | 0.02 | 0.08 | 9 | 6 | 10 | NP_001876 | P02511 |
| 180 | PN025 | Crystallin aB | S19 | Crystallin alpha B (hea | 0, 0 | 23305 | 32 | 11 | 0, 0 | 19310 | 39 | 11 | -17 | 1.03 | 0.92 | -0.11 | -0.40 | 13 | 6 | 9 | NP_001876 | P02511 |
| 181 | PN110 | Crystallin aB | S45 | Crystallin alpha B (hea | 0, 0 | 16114 | 25 | 11 | 0, 0 | 10532 | 12 | 10 | -35 | 0.82 | 0.56 | -0.26 | -0.93 | 1 | 6 | 10 | NP_001876 | P02511 |
| 182 | NK234-3 | CSF1R | Pan-Specific | Macrophage colony-st | 0, 0 | 52530 | 52 | 12 | 0, 0 | 47202 | 41 | 12 | -10 | 1.49 | 1.45 | -0.05 | -0.17 | 13 | 6 | 10 | NP_001275634.1 | P07333 |
| 183 | PK587 | CSF1R | Y699 | Macrophage colony-st | 0, 0 | 3593 | 54 | 8 | 0, 0 | 4522 | 39 | 9 | 26 | -0.04 | 0.06 | 0.10 | 0.36 | 1 | 6 | 11 | NP_001275634.1 | P07333 |
| 184 | NK044 | Csk | Pan-specific | C-terminus of Src tyro | 1, 0 | 16491 | 14 | 11 | 1, 0 | 3129 | 12 | 8 | -81 | 0.83 | -0.15 | -0.99 | -3.58 | 5 | 6 | 11 | NP_004374 | P41240 |
| 185 | NK044-2 | Csk | Pan-specific | C-terminus of Src tyro | 0, 0 | 1963 | 80 | 8 | 0, 0 | 2012 | 36 | 8 | 2 | -0.38 | -0.42 | -0.03 | -0.13 | 9 | 6 | 11 | NP_004374 | P41240 |
| 186 | NN028 | Cyclin A | Pan-specific | Cyclin A1 | 0, 0 | 32054 | 21 | 12 | 0, 0 | 29325 | 21 | 12 | -9 | 1.21 | 1.17 | -0.05 | -0.17 | 13 | 6 | 11 | NP_003905 | P78396 |
| 187 | NN029 | Cyclin B1 | Pan-specific | Cyclin B1 | 0, 0 | 1627 | 49 | 7 | 0, 0 | 3071 | 10 | 8 | 89 | -0.49 | -0.17 | 0.32 | 1.17 | 5 | 7 | 1 | NP_114172 | P14635 |
| 188 | PN190 | Cyclin B1 | S147 | Cyclin B1 | 0, 0 | 1529 | 28 | 7 | 0, 0 | 1352 | 14 | 7 | -12 | -0.52 | -0.65 | -0.13 | -0.46 | 1 | 7 | 1 | NP_114172 | P14635 |
| 189 | NN030-1 | Cyclin D1 | Pan-specific | Cyclin D1 (PRAD1) | 0, 0 | 20429 | 48 | 11 | 0, 0 | 12767 | 24 | 10 | -38 | 0.96 | 0.68 | -0.28 | -1.01 | 9 | 7 | 1 | NP_444284 | P24385 |
| 190 | NN031 | Cyclin E | Pan-specific | Cyclin E1 | 0, 0 | 3347 | 74 | 8 | 0, 0 | 12676 | 215 | 10 | 279 | -0.08 | 0.67 | 0.75 | 2.71 | 4 | 7 | 2 | NP_001229 | P24864 |
| 191 | PN191 | Cyclin E | T395 | Cyclin E1 | 0, 0 | 1512 | 0 | 7 | 0, 0 | 1953 | 29 | 8 | 29 | -0.53 | -0.43 | 0.10 | 0.35 | 13 | 7 | 1 | NP_001229 | P24864 |
| 192 | NN032 | Cyclin G1 | Pan-specific | Cyclin G1 | 0, 0 | 4039 | 14 | 9 | 0, 0 | 7605 | 175 | 10 | 88 | 0.03 | 0.37 | 0.34 | 1.23 | 8 | 7 | 2 | NP_004051 | P51959 |
| 193 | NN033 | CytoC | Pan-specific | Cytochrome C | 0, 0 | 2605 | 6 | 8 | 0, 0 | 18996 | 85 | 11 | 629 | -0.22 | 0.91 | 1.13 | 4.09 | 12 | 7 | 2 | NP_061820 | P99999 |
| 194 | PN026 | Dab1 | Y198 | Disabled homolog 1 | 0, 0 | 386 | 10 | 5 | 0, 0 | 510 | 115 | 6 | 32 | -1.31 | -1.23 | 0.08 | 0.30 | 16 | 7 | 2 | NP_066566 | O75553 |
| 195 | NN034 | DAXX | Pan-specific | Death-associated prot | 0, 0 | 5658 | 96 | 9 | 0, 0 | 3984 | 139 | 9 | -30 | 0.22 | -0.01 | -0.24 | -0.85 | 4 | 7 | 3 | NP_001341 | Q9UER7 |
| 196 | PK591 | DDR1 | Y796+pY797 | Epithelial discoidin do | 0, 0 | 4449 | 102 | 9 | 0, 0 | 4257 | 43 | 9 | -4 | 0.09 | 0.03 | -0.06 | -0.21 | 8 | 7 | 3 | NP_001189450.1 | Q08345 |
| 197 | NK219 | DGKZ | Pan-specific | Diacylglycerol kinase z | 0, 0 | 3807 | 21 | 9 | 0, 0 | 7605 | 20 | 10 | 100 | 0.00 | 0.37 | 0.37 | 1.35 | 12 | 7 | 3 | NP_963290 | Q13574 |
| 198 | NK048 | DNAPK | Pan-specific | DNA-activated protein | 0, 0 | 514 | 14 | 6 | 0, 0 | 650 | 7 | 6 | 27 | -1.15 | -1.08 | 0.06 | 0.23 | 16 | 7 | 3 | NP_008835 | P78527 |
| 199 | PK595 | DNAPK | T2609 | DNA-activated protein | 0, 0 | 2320 | 39 | 8 | 0, 0 | 2853 | 28 | 8 | 23 | -0.29 | -0.21 | 0.08 | 0.28 | 4 | 7 | 4 | NP_008835 | P78527 |
| 200 | PN027 | Dok2 | Y142 | Docking protein 2 | 0, 0 | 5057 | 30 | 9 | 0, 0 | 4141 | 22 | 9 | -18 | 0.16 | 0.01 | -0.15 | -0.54 | 12 | 7 | 4 | NP_034201 | O60496 |
| 201 | PN027-2 | Dok2 | Y142 | Docking protein 2 | 0, 0 | 8250 | 38 | 10 | 0, 0 | 5295 | 15 | 9 | -36 | 0.44 | 0.16 | -0.28 | -1.02 | 8 | 7 | 4 | NP_034201 | O60496 |
| 202 | NK050 | DRAK2 | Pan-specific | DAP kinase-related ap | 0, 0 | 9602 | 32 | 10 | 0, 0 | 11036 | 25 | 10 | 15 | 0.52 | 0.59 | 0.06 | 0.24 | 16 | 7 | 4 | NP_004217 | O94768 |
| 203 | NP006-2 | DUSP1 (MKP1) | Pan-Specific | MAP kinase phosphat | 0, 0 | 52371 | 4 | 12 | 0, 0 | 57511 | 11 | 13 | 10 | 1.49 | 1.57 | 0.07 | 0.26 | 4 | 7 | 5 | NP_004408.1 | P28562 |
| 204 | NP006-3 | DUSP1 (MKP1) | Pan-Specific | MAP kinase phosphat | 0, 0 | 62341 | 13 | 13 | 0, 0 | 67111 | 7 | 13 | 8 | 1.59 | 1.66 | 0.06 | 0.23 | 8 | 7 | 5 | NP_004408.1 | P28562 |
| 205 | NP047-2 | DUSP10 | Pan-Specific | Dual specificity protein | 0, 0 | 9001 | 83 | 10 | 0, 0 | 5604 | 39 | 9 | -38 | 0.49 | 0.19 | -0.30 | -1.08 | 12 | 7 | 5 | NP_009138.1 | Q9Y6W6 |
| 206 | NP045-2 | DUSP11 | Pan-Specific | Phosphatidylinositol-3 | 0, 0 | 18395 | 1 | 11 | 0, 0 | 13081 | 22 | 10 | -29 | 0.90 | 0.69 | -0.21 | -0.74 | 16 | 7 | 5 | NP_001558.3 | O15357 |
| 207 | NP045-3 | DUSP11 | Pan-Specific | Phosphatidylinositol-3 | 0, 0 | 12848 | 16 | 10 | 0, 0 | 12344 | 3 | 10 | -4 | 0.69 | 0.66 | -0.04 | -0.13 | 4 | 7 | 6 | NP_001558.3 | O15357 |
| 208 | NP046-2 | DUSP12 | Pan-Specific | Dual specificity protein | 0, 0 | 17597 | 21 | 11 | 0, 0 | 6642 | 49 | 9 | -62 | 0.87 | 0.29 | -0.58 | -2.10 | 8 | 7 | 6 | NP_009171.1 | Q9UNI6 |
| 209 | NP046-3 | DUSP12 | Pan-Specific | Dual specificity protein | 0, 0 | 20860 | 27 | 11 | 0, 0 | 12860 | 22 | 10 | -38 | 0.97 | 0.68 | -0.29 | -1.04 | 12 | 7 | 6 | NP_009171.1 | Q9UNI6 |
| 210 | NP008-2 | DUSP2 | Pan-Specific | Dual specificity protein | 0, 0 | 70537 | 2 | 13 | 0, 0 | 82695 | 14 | 13 | 17 | 1.66 | 1.78 | 0.12 | 0.42 | 16 | 7 | 6 | NP_004409.1 | Q05923 |
| 211 | NP008-4 | DUSP2 | Pan-Specific | Dual specificity protein | 0, 0 | 88425 | 8 | 13 | 0, 0 | 87376 | 3 | 13 | -1 | 1.79 | 1.81 | 0.02 | 0.07 | 4 | 7 | 7 | NP_004409.1 | Q05923 |
| 212 | NP030-2 | DUSP3 | Pan-Specific | Dual specificity protein | 0, 0 | 70094 | 12 | 13 | 0, 0 | 70605 | 11 | 13 | 1 | 1.66 | 1.69 | 0.03 | 0.10 | 8 | 7 | 7 | NP_004081.1 | P51452 |
| 213 | NP030-3 | DUSP3 | Pan-Specific | Dual specificity protein | 0, 0 | 13683 | 15 | 10 | 0, 0 | 7118 | 29 | 10 | -48 | 0.73 | 0.33 | -0.40 | -1.43 | 12 | 7 | 7 | NP_004081.1 | P51452 |
| 214 | NP030-4 | DUSP3 | Pan-Specific | Dual specificity protein | 0, 0 | 29820 | 14 | 12 | 0, 0 | 26743 | 8 | 11 | -10 | 1.17 | 1.11 | -0.06 | -0.21 | 16 | 7 | 7 | NP_004081.1 | P51452 |
| 215 | NP007-3 | DUSP4 | Pan-Specific | Dual specificity protein | 0, 0 | 51925 | 13 | 12 | 0, 0 | 54063 | 0 | 12 | 4 | 1.49 | 1.53 | 0.04 | 0.15 | 3 | 7 | 2 | NP_001385.1 | Q13115 |
| 216 | NP007-4 | DUSP4 | Pan-Specific | Dual specificity protein | 0, 0 | 54019 | 4 | 12 | 0, 0 | 63054 | 12 | 13 | 17 | 1.51 | 1.62 | 0.11 | 0.39 | 7 | 7 | 2 | NP_001385.1 | Q13115 |
| 217 | NP039-2 | DUSP5 | Pan-Specific | Dual specificity protein | 0, 0 | 18447 | 39 | 11 | 0, 0 | 32764 | 73 | 12 | 78 | 0.90 | 1.23 | 0.34 | 1.21 | 11 | 7 | 2 | NP_004410.3 | Q16690 |
| 218 | NP040-1 | DUSP6 | Pan-Specific | Dual specificity protein | 0, 0 | 50481 | 29 | 12 | 0, 0 | 51767 | 26 | 12 | 3 | 1.47 | 1.50 | 0.03 | 0.11 | 15 | 7 | 2 | NP_001937.2 | Q16828 |
| 219 | NP040-2 | DUSP6 | Pan-Specific | Dual specificity protein | 0, 0 | 20708 | 29 | 11 | 0, 0 | 12832 | 11 | 10 | -38 | 0.96 | 0.68 | -0.28 | -1.03 | 3 | 7 | 3 | NP_001937.2 | Q16828 |
| 220 | NP040-3 | DUSP6 | Pan-Specific | Dual specificity protein | 0, 0 | 15026 | 18 | 11 | 0, 0 | 16153 | 15 | 11 | 8 | 0.78 | 0.81 | 0.03 | 0.12 | 7 | 7 | 3 | NP_001937.2 | Q16828 |
| 221 | NP041-1 | DUSP7 | Pan-Specific | Dual specificity protein | 0, 0 | 17620 | 30 | 11 | 0, 0 | 14386 | 16 | 11 | -18 | 0.87 | 0.75 | -0.12 | -0.45 | 11 | 7 | 3 | NP_001938.2 | Q16829 |
| 222 | NP041-2 | DUSP7 | Pan-Specific | Dual specificity protein | 0, 0 | 36261 | 23 | 12 | 0, 0 | 33773 | 49 | 12 | -7 | 1.28 | 1.25 | -0.03 | -0.12 | 15 | 7 | 3 | NP_001938.2 | Q16829 |
| 223 | NP041-3 | DUSP7 | Pan-Specific | Dual specificity protein | 0, 0 | 34924 | 2 | 12 | 0, 0 | 29910 | 4 | 12 | -14 | 1.26 | 1.18 | -0.08 | -0.30 | 3 | 7 | 4 | NP_001938.2 | Q16829 |
| 224 | NP042-3 | DUSP8 | Pan-Specific | Dual specificity protein | 0, 0 | 26583 | 3 | 11 | 0, 0 | 22231 | 3 | 11 | -16 | 1.11 | 1.00 | -0.10 | -0.37 | 7 | 7 | 4 | NP_004411.2 | Q13202 |
| 225 | NP043-2 | DUSP9 | Pan-Specific | Dual specificity protein | 0, 0 | 30618 | 49 | 12 | 0, 0 | 26332 | 24 | 11 | -14 | 1.19 | 1.10 | -0.08 | -0.30 | 11 | 7 | 4 | NP_001386.1 | Q99956 |
| 226 | PN509 | eEF1A1 | Y141 | Elongation factor 1-alp | 0, 0 | 2440 | 29 | 8 | 0, 0 | 2663 | 33 | 8 | 9 | -0.26 | -0.25 | 0.01 | 0.02 | 15 | 7 | 4 | NP_001393.1 | P68104 |
| 227 | NN175 | EFNA5 | Pan-Specific | Ephrin-A5 | 0, 0 | 324 | 35 | 5 | 0, 0 | 229 | 26 | 5 | -29 | -1.41 | -1.70 | -0.29 | -1.05 | 3 | 7 | 5 | NP_001953.1 | P52803 |
| 228 | NK052-1 | EGFR | Pan-specific | Epidermal growth fact | 0, 0 | 21806 | 27 | 11 | 0, 0 | 15781 | 12 | 11 | -28 | 0.99 | 0.80 | -0.19 | -0.69 | 11 | 7 | 7 | NP_005219 | P00533 |
| 229 | NK052-4 | EGFR | Pan-Specific | Epidermal growth fact | 0, 0 | 49060 | 9 | 12 | 0, 0 | 51119 | 10 | 12 | 4 | 1.46 | 1.50 | 0.04 | 0.14 | 3 | 7 | 7 | NP_005219 | P00533 |
| 230 | NK052-5 | EGFR | Pan-Specific | Epidermal growth fact | 0, 0 | 54753 | 17 | 12 | 0, 0 | 54645 | 17 | 12 | 0 | 1.52 | 1.53 | 0.02 | 0.06 | 11 | 7 | 6 | NP_005219 | P00533 |
| 231 | NK052-6 | EGFR | Pan-Specific | Epidermal growth fact | 0, 0 | 44239 | 16 | 12 | 0, 0 | 45427 | 12 | 12 | 3 | 1.40 | 1.43 | 0.03 | 0.11 | 15 | 7 | 6 | NP_005219 | P00533 |
| 232 | PK121 | EGFR | T693 | Epidermal growth fact | 0, 0 | 753 | 40 | 6 | 0, 0 | 1209 | 160 | 7 | 61 | -0.93 | -0.72 | 0.21 | 0.77 | 11 | 7 | 5 | NP_005219 | P00533 |
| 233 | PK122-1 | EGFR | Y1068 | Epidermal growth fact | 0, 0 | 588 | 9 | 6 | 0, 0 | 665 | 12 | 6 | 13 | -1.07 | -1.07 | 0.00 | 0.00 | 7 | 7 | 6 | NP_005219 | P00533 |
| 234 | PK123 | EGFR | Y1110 | Epidermal growth fact | 0, 0 | 1229 | 13 | 7 | 0, 0 | 1278 | 10 | 7 | 4 | -0.65 | -0.68 | -0.04 | -0.13 | 15 | 7 | 5 | NP_005219 | P00533 |
| 235 | PK010 | EGFR | Y1148 | Epidermal growth fact | 0, 0 | 1480 | 2 | 7 | 0, 0 | 1316 | 28 | 7 | -11 | -0.54 | -0.67 | -0.12 | -0.45 | 3 | 7 | 6 | NP_005219 | P00533 |
| 236 | PK010-2 | EGFR | Y1148 | Epidermal growth fact | 0, 0 | 958 | 1 | 7 | 0, 0 | 1305 | 66 | 7 | 36 | -0.79 | -0.67 | 0.12 | 0.43 | 7 | 7 | 7 | NP_005219 | P00533 |
| 237 | PK011-1 | EGFR | Y1197 | Epidermal growth fact | 0, 0 | 476 | 0 | 6 | 0, 0 | 678 | 233 | 6 | 42 | -1.19 | -1.06 | 0.13 | 0.48 | 7 | 7 | 5 | NP_005219 | P00533 |
| 238 | PK603 | EGFR | Y998 | Epidermal growth fact | 0, 0 | 3589 | 84 | 8 | 0, 0 | 3756 | 38 | 9 | 5 | -0.04 | -0.05 | -0.01 | -0.04 | 15 | 7 | 7 | NP_005219 | P00533 |
| 239 | NN038-1 | eIF2a | Pan-specific | Eukaryotic translation | 0, 0 | 36 | 187 | 2 | 0, 0 | 41 | 110 | 2 | 14 | -2.66 | -2.71 | -0.05 | -0.19 | 2 | 7 | 2 | NP_004085 | P05198 |
| 240 | PN028-1 | eIF2a | S52 | Eukaryotic translation | 0, 0 | 427 | 39 | 5 | 0, 0 | 393 | 49 | 5 | -8 | -1.25 | -1.38 | -0.13 | -0.47 | 6 | 7 | 2 | NP_004085 | P05198 |
| 241 | PN028-2 | eIF2a | S52 | Eukaryotic translation | 0, 0 | 213 | 20 | 4 | 0, 0 | 369 | 61 | 5 | 73 | -1.65 | -1.42 | 0.23 | 0.84 | 10 | 7 | 2 | NP_004085 | P05198 |
| 242 | PN172 | eIF4B | S422 | Eukaryotic translation | 0, 0 | 306 | 43 | 5 | 0, 0 | 262 | 5 | 5 | -14 | -1.44 | -1.62 | -0.18 | -0.64 | 14 | 7 | 2 | NP_001287750.1 | P23588 |
| 243 | NN039-1 | eIF4E | Pan-specific | Eukaryotic translation | 0, 0 | 851 | 61 | 6 | 0, 0 | 339 | 21 | 5 | -60 | -0.86 | -1.47 | -0.61 | -2.21 | 10 | 7 | 3 | NP_001959 | P06730 |
| 244 | PN030-1 | eIF4E | S209 | Eukaryotic translation | 0, 0 | 15184 | 32 | 11 | 0, 0 | 12265 | 10 | 10 | -19 | 0.79 | 0.65 | -0.13 | -0.49 | 2 | 7 | 3 | NP_001959 | P06730 |
| 245 | PN030-2 | eIF4E | S209 | Eukaryotic translation | 0, 0 | 366 | 46 | 5 | 0, 0 | 251 | 46 | 5 | -31 | -1.34 | -1.64 | -0.31 | -1.10 | 6 | 7 | 3 | NP_001959 | P06730 |
| 246 | PN031 | eIF4G | S1108 | Eukaryotic translation | 0, 0 | 5431 | 18 | 9 | 0, 0 | 4411 | 27 | 9 | -19 | 0.20 | 0.05 | -0.15 | -0.55 | 14 | 7 | 3 | NP_004944 | Q04637 |
| 247 | PN193 | eIF4G | S1232 | Eukaryotic translation | 0, 0 | 304 | 7 | 5 | 0, 0 | 784 | 68 | 6 | 158 | -1.45 | -0.97 | 0.47 | 1.71 | 2 | 7 | 4 | NP_004944 | Q04637 |
| 248 | NN168 | Elk 1 | Pan-specific | ETS domain-containin | 0, 0 | 129 | 21 | 4 | 0, 0 | 131 | 49 | 4 | 2 | -1.94 | -2.03 | -0.09 | -0.34 | 6 | 7 | 4 | NP_001107595.1 | P19419 |
| 249 | PN149 | Elk1 | S383 | ETS domain-containin | 0, 0 | 780 | 9 | 6 | 0, 0 | 628 | 6 | 6 | -19 | -0.91 | -1.10 | -0.20 | -0.71 | 10 | 7 | 4 | NP_001107595.1 | P19419 |
| 250 | PN170 | Elk1 | S389 | ETS domain-containin | 0, 0 | 397 | 18 | 5 | 0, 0 | 359 | 51 | 5 | -10 | -1.29 | -1.43 | -0.14 | -0.51 | 14 | 7 | 4 | NP_001107595.1 | P19419 |
| 251 | NN173 | Epcam | Pan-Specific | Epithelial cell adhesio | 0, 0 | 243 | 47 | 5 | 0, 0 | 327 | 6 | 5 | 35 | -1.57 | -1.49 | 0.08 | 0.31 | 2 | 7 | 5 | NP_002345.2 | P16422 |
| 252 | NK053 | EphA1 | Pan-specific | Ephrin type-A recepto | 0, 0 | 754 | 77 | 6 | 0, 0 | 1013 | 24 | 7 | 34 | -0.93 | -0.82 | 0.11 | 0.38 | 6 | 7 | 5 | NP_005223 | P21709 |
| 253 | PN173 | Ephrin-B2 | Y316 | EPH-related receptor t | 0, 0 | 526 | 7 | 6 | 0, 0 | 561 | 20 | 6 | 7 | -1.13 | -1.17 | -0.04 | -0.14 | 10 | 7 | 5 | NP_004084.1 | P52799 |
| 254 | PK134 | ERB2 | T686 | ErbB2 (Neu) receptor- | 0, 0 | 51201 | 41 | 12 | 0, 0 | 52514 | 9 | 12 | 3 | 1.48 | 1.51 | 0.03 | 0.11 | 14 | 7 | 5 | NP_004439 | P04626 |
| 255 | NK054-2 | ErbB2 | Pan-specific | ErbB2 (Neu) receptor- | 0, 0 | 2281 | 21 | 8 | 0, 0 | 11089 | 65 | 10 | 386 | -0.30 | 0.59 | 0.89 | 3.22 | 2 | 7 | 6 | NP_004439 | P04626 |
| 256 | NK054-4 | ErbB2 | Pan-Specific | ErbB2 (Neu) receptor- | 0, 0 | 39981 | 10 | 12 | 0, 0 | 36890 | 20 | 12 | -8 | 1.34 | 1.30 | -0.04 | -0.13 | 6 | 7 | 6 | NP_004439 | P04626 |
| 257 | NK054-5 | ErbB2 | Pan-Specific | ErbB2 (Neu) receptor- | 0, 0 | 31474 | 0 | 12 | 0, 0 | 31783 | 14 | 12 | 1 | 1.20 | 1.21 | 0.01 | 0.04 | 10 | 7 | 6 | NP_004439 | P04626 |
| 258 | PK013-1 | ErbB2 | Y1248 | ErbB2 (Neu) receptor- | 0, 0 | 14948 | 53 | 11 | 0, 0 | 12271 | 51 | 10 | -18 | 0.78 | 0.65 | -0.13 | -0.45 | 14 | 7 | 6 | NP_004439 | P04626 |
| 259 | NK231-2 | ErbB3 | Pan-Specific | Tyrosine kinase-type c | 0, 0 | 54019 | 3 | 12 | 0, 0 | 57961 | 2 | 13 | 7 | 1.51 | 1.57 | 0.06 | 0.21 | 2 | 7 | 7 | NP_001005915.1 | P21860 |
| 260 | NK231-3 | ErbB3 | Pan-Specific | Tyrosine kinase-type c | 0, 0 | 39244 | 13 | 12 | 0, 0 | 40848 | 10 | 12 | 4 | 1.33 | 1.36 | 0.03 | 0.13 | 6 | 7 | 7 | NP_001005915.1 | P21860 |
| 261 | PK163 | ErbB3 | Y1328 | Tyrosine kinase-type c | 0, 0 | 1207 | 10 | 7 | 0, 0 | 988 | 33 | 7 | -18 | -0.66 | -0.84 | -0.18 | -0.64 | 10 | 7 | 7 | NP_001005915.1 | P21860 |

Globally Normalized Signal
MIN MED MAX

%CFC
<-80% 0 >+200%

Z-ratio
<-1.5 0 >+1.5

SAMPLE DETAILS

Sample IDs: Control ID: Pooled Samples Larger
Treated ID: Pooled Samples Smaller

| Globally Normalized Median | Globally Normalized Median |
|---|---|
| 3433 | 4055 |

| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Control | Globally Normalized - Control | %Error Range Control | Log2 (Intensity Corrected) - Control | Flag-Treated | Globally Normalized - Treated | %Error Range Treated | Log2 (Intensity Corrected) - Treated | %CFC (Treated from Control) | Z score (Control) | Z score (Treated) | Z-score Difference (Treated-Control) | Z-ratio (Treated, Control) | Block | Row | Column | Refseq | Uniprot Link |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 262 | NK235-1 | ErbB4 | Pan-Specific | Receptor tyrosine-prot | 0, 0 | 34166 | 37 | 12 | 0, 0 | 27892 | 44 | 11 | -18 | 1.25 | 1.14 | -0.11 | -0.40 | 14 | 7 | 7 | NP_001036064.1 | Q15303 |
| 263 | NK235-3 | ErbB4 | Pan-Specific | Receptor tyrosine-prot | 0, 0 | 41147 | 23 | 12 | 0, 0 | 40594 | 20 | 12 | -1 | 1.36 | 1.36 | 0.00 | 0.01 | 1 | 7 | 2 | NP_001036064.1 | Q15303 |
| 264 | NK055-1 | ERK1 | Pan-Specific | Extracellular regulated | 0, 0 | 52427 | 21 | 12 | 0, 0 | 40302 | 13 | 12 | -23 | 1.49 | 1.35 | -0.14 | -0.50 | 13 | 7 | 2 | 36142.1, NP_00 | P27361 |
| 265 | NK055-2 | ERK1 | Pan-Specific | Extracellular regulated | 0, 0 | 29454 | 20 | 11 | 0, 0 | 17327 | 23 | 11 | -41 | 1.16 | 0.86 | -0.31 | -1.12 | 1 | 7 | 3 | 36142.1, NP_00 | P27361 |
| 266 | NK055-3 | ERK1 | Pan-Specific | Extracellular regulated | 0, 0 | 46086 | 15 | 12 | 0, 0 | 41950 | 3 | 12 | -9 | 1.42 | 1.38 | -0.04 | -0.15 | 5 | 7 | 3 | 36142.1, NP_00 | P27361 |
| 267 | NK055-NK056 | ERK1/2 | Pan-specific | Extracellular regulated | 0, 0 | 6240 | 13 | 9 | 0, 0 | 5738 | 8 | 9 | -8 | 0.28 | 0.20 | -0.08 | -0.27 | 9 | 7 | 3 | 36142.1, NP_00 | P27361 |
| 268 | PK867 | ERK1 | S74 | Extracellular regulated | 0, 0 | 3714 | 37 | 9 | 0, 0 | 3144 | 7 | 8 | -15 | -0.02 | -0.15 | -0.13 | -0.49 | 9 | 7 | 2 | 36142.1, NP_00 | P27361 |
| 269 | PK621 | ERK1 | T202+Y204 | Extracellular regulated | 0, 0 | 4763 | 75 | 9 | 0, 0 | 6553 | 115 | 9 | 38 | 0.12 | 0.28 | 0.16 | 0.57 | 13 | 7 | 3 | 36142.1, NP_00 | P27361 |
| 270 | PK865 | ERK1 | T207 | Extracellular regulated | 0, 0 | 841 | 20 | 6 | 0, 0 | 1619 | 366 | 7 | 92 | -0.86 | -0.54 | 0.32 | 1.16 | 1 | 7 | 4 | 36142.1, NP_00 | P27361 |
| 271 | PK864 | ERK1 | Y204 | Extracellular regulated | 0, 0 | 623 | 59 | 6 | 0, 0 | 808 | 91 | 6 | 30 | -1.04 | -0.96 | 0.08 | 0.30 | 5 | 7 | 4 | 36142.1, NP_00 | P27361 |
| 272 | PK866 | ERK1 | Y204+T207 | Extracellular regulated | 0, 1 | 2066 | 167 | 8 | 0, 1 | 2245 | 19 | 8 | 9 | -0.35 | -0.35 | 0.00 | 0.00 | 5 | 7 | 2 | 36142.1, NP_00 | P27361 |
| 273 | NK055-NK056-2 | ERK1/2 | Pan-specific | Extracellular regulated | 0, 0 | 15721 | 1 | 11 | 0, 0 | 14372 | 16 | 11 | -9 | 0.81 | 0.75 | -0.06 | -0.22 | 1 | 7 | 5 | 36142.1, NP_00 | P27361 |
| 274 | PK170-PK171 | ERK1/2 | T202 | Extracellular regulated | 0, 0 | 590 | 7 | 6 | 0, 0 | 653 | 9 | 6 | 11 | -1.07 | -1.08 | -0.01 | -0.05 | 13 | 7 | 4 | AAA36142.1 | P27361 |
| 275 | PK168-PK169 | ERK1/2 | Y204 | Extracellular regulated | 0, 0 | 429 | 1 | 5 | 0, 0 | 501 | 10 | 6 | 17 | -1.25 | -1.24 | 0.01 | 0.04 | 9 | 7 | 4 | AAA36142.1 | P27361 |
| 276 | NK056-3 | ERK2 | Pan-Specific | Extracellular regulated | 0, 0 | 29404 | 28 | 11 | 0, 0 | 30322 | 29 | 12 | 3 | 1.16 | 1.19 | 0.02 | 0.08 | 5 | 7 | 5 | NP_002736 | P28482 |
| 277 | NK056-4 | ERK2 | Pan-Specific | Extracellular regulated | 0, 0 | 72220 | 26 | 13 | 0, 0 | 87853 | 10 | 13 | 22 | 1.68 | 1.82 | 0.14 | 0.50 | 9 | 7 | 5 | NP_002736 | P28482 |
| 278 | NK057-2 | ERK3 | Pan-specific | Extracellular regulated | 0, 0 | 3780 | 31 | 9 | 0, 0 | 4739 | 35 | 9 | 25 | -0.01 | 0.09 | 0.10 | 0.35 | 1 | 7 | 6 | NP_002739 | Q16659 |
| 279 | NK058 | ERK3 | Pan-specific | Extracellular regulated | 0, 0 | 1238 | 89 | 7 | 0, 0 | 1662 | 57 | 7 | 34 | -0.64 | -0.53 | 0.12 | 0.42 | 13 | 7 | 5 | NP_002738 | P31152 |
| 280 | PK624 | ERK4 | S186 | Extracellular regulated | 0, 0 | 21771 | 137 | 11 | 0, 0 | 21036 | 134 | 11 | -3 | 0.99 | 0.97 | -0.02 | -0.08 | 5 | 7 | 6 | NP_001278968.1 | P31152 |
| 281 | NK206-3 | ERK5 | Pan-specific | Extracellular regulated | 0, 0 | 1943 | 31 | 8 | 0, 0 | 2970 | 7 | 8 | 53 | -0.39 | -0.19 | 0.20 | 0.73 | 5 | 7 | 7 | NP_620602 | Q13164 |
| 282 | NK206-4 | ERK5 | Pan-Specific | Extracellular regulated | 0, 0 | 50763 | 17 | 12 | 0, 0 | 39565 | 21 | 12 | -22 | 1.48 | 1.34 | -0.13 | -0.47 | 9 | 7 | 6 | NP_620602 | Q13164 |
| 283 | NK206-5 | ERK5 | Pan-Specific | Extracellular regulated | 0, 0 | 36137 | 30 | 12 | 0, 0 | 29762 | 13 | 12 | -18 | 1.28 | 1.18 | -0.11 | -0.38 | 13 | 7 | 6 | NP_620602 | Q13164 |
| 284 | PK016-3 | ERK5 | T218+Y220 | Extracellular regulated | 0, 0 | 1968 | 125 | 8 | 0, 0 | 813 | 20 | 6 | -59 | -0.38 | -0.95 | -0.57 | -2.07 | 1 | 7 | 7 | NP_620602 | Q13164 |
| 285 | PK625 | ERK5 | T219+Y221 | Extracellular regulated | 0, 0 | 10932 | 40 | 10 | 0, 0 | 9780 | 3 | 10 | -11 | 0.60 | 0.52 | -0.08 | -0.29 | 9 | 7 | 7 | NP_002740.2 | Q13164 |
| 286 | PK626 | ERK5 | Y221 | Extracellular regulated | 0, 0 | 66751 | 31 | 13 | 0, 0 | 71093 | 20 | 13 | 7 | 1.63 | 1.69 | 0.06 | 0.21 | 13 | 7 | 7 | NP_002740.2 | Q13164 |
| 287 | PN198 | strongen Recept | S104 | Estrogen receptor alph | 0, 0 | 906 | 10 | 6 | 0, 0 | 1697 | 83 | 7 | 87 | -0.82 | -0.52 | 0.31 | 1.11 | 4 | 7 | 8 | NP_000116.2 | P03372 |
| 288 | PN174 | Ezrin | T567 | Cytovillin 2 | 0, 0 | 181 | 24 | 4 | 0, 0 | 290 | 27 | 5 | 60 | -1.74 | -1.56 | 0.18 | 0.66 | 8 | 7 | 8 | NP_001104547.1 | P15311 |
| 289 | PN175 | Ezrin | Y353 | Cytovillin 2 | 0, 0 | 2692 | 24 | 8 | 0, 0 | 4399 | 44 | 9 | 63 | -0.20 | 0.05 | 0.25 | 0.90 | 12 | 7 | 8 | NP_001104547.1 | P15311 |
| 290 | NK060 | FAK | Pan-specific | Focal adhesion protein | 0, 0 | 1313 | 88 | 7 | 0, 0 | 1212 | 28 | 7 | -8 | -0.61 | -0.72 | -0.10 | -0.38 | 8 | 7 | 10 | NP_005598 | Q05397 |
| 291 | PK020 | FAK | S722 | Focal adhesion protein | 0, 0 | 451 | 8 | 5 | 0, 0 | 916 | 3 | 7 | 103 | -1.22 | -0.88 | 0.34 | 1.23 | 4 | 7 | 9 | NP_005598 | Q05397 |
| 292 | PK020-3 | FAK | S722 | Focal adhesion protein | 0, 0 | 1817 | 68 | 7 | 0, 0 | 2060 | 60 | 8 | 13 | -0.43 | -0.40 | 0.02 | 0.08 | 16 | 7 | 9 | NP_005598 | Q05397 |
| 293 | PK021 | FAK | S732 | Focal adhesion protein | 0, 0 | 1006 | 10 | 7 | 0, 0 | 1097 | 59 | 7 | 9 | -0.76 | -0.77 | -0.01 | -0.04 | 8 | 7 | 9 | NP_005598 | Q05397 |
| 294 | PK024 | FAK | S910 | Focal adhesion protein | 0, 0 | 1215 | 6 | 7 | 0, 0 | 2736 | 152 | 8 | 125 | -0.66 | -0.23 | 0.42 | 1.52 | 12 | 7 | 9 | NP_005598 | Q05397 |
| 295 | PK017 | FAK | Y397 | Focal adhesion protein | 0, 0 | 24181 | 11 | 11 | 0, 0 | 20821 | 3 | 11 | -14 | 1.05 | 0.96 | -0.09 | -0.32 | 12 | 7 | 10 | NP_005598 | Q05397 |
| 296 | PK017-1 | FAK | Y397 | Focal adhesion protein | 0, 0 | 4037 | 2 | 9 | 0, 0 | 4674 | 4 | 9 | 16 | 0.03 | 0.08 | 0.05 | 0.19 | 16 | 7 | 8 | NP_005598 | Q05397 |
| 297 | PK151 | FAK | Y576+Y577 | Focal adhesion protein | 0, 0 | 335 | 105 | 5 | 0, 0 | 379 | 11 | 5 | 13 | -1.39 | -1.40 | -0.01 | -0.04 | 4 | 7 | 10 | NP_005598 | Q05397 |
| 298 | PK629 | FAK | Y577 | Focal adhesion protein | 0, 0 | 4124 | 47 | 9 | 0, 0 | 5852 | 49 | 9 | 42 | 0.04 | 0.21 | 0.17 | 0.62 | 16 | 7 | 10 | NP_005598 | Q05397 |
| 299 | NN042 | FAS | Pan-specific | Tumor necrosis factor | 0, 0 | 183 | 38 | 4 | 0, 0 | 1964 | 65 | 8 | 974 | -1.74 | -0.43 | 1.31 | 4.73 | 4 | 7 | 11 | NP_003789 | P25445 |
| 300 | NN043 | FasL | Pan-specific | Tumor necrosis factor | 0, 0 | 996 | 20 | 7 | 0, 0 | 492 | 53 | 6 | -51 | -0.77 | -1.25 | -0.48 | -1.74 | 8 | 7 | 11 | NP_000630 | P48023 |
| 301 | NK061 | Fes | Pan-specific | Fes/Fps protein-tyrosi | 0, 0 | 1511 | 20 | 7 | 0, 0 | 2478 | 16 | 8 | 64 | -0.53 | -0.29 | 0.24 | 0.86 | 12 | 7 | 11 | NP_001996 | P07332 |
| 302 | NK062-3 | FGFR1 | Pan-Specific | Fibroblast growth facto | 0, 0 | 26969 | 6 | 11 | 0, 0 | 27575 | 14 | 11 | 2 | 1.11 | 1.13 | 0.02 | 0.06 | 16 | 7 | 11 | NP_001167534.1 | P11362 |
| 303 | PK634 | FGFR1 | Y653+Y654 | Fibroblast growth facto | 0, 0 | 21244 | 155 | 11 | 0, 0 | 15594 | 16 | 11 | -27 | 0.98 | 0.79 | -0.18 | -0.67 | 4 | 8 | 1 | NP_001167534.1 | P11362 |
| 304 | NK063-2 | FGFR2 | Pan-Specific | Fibroblast growth facto | 0, 0 | 43727 | 1 | 12 | 0, 0 | 47368 | 6 | 12 | 8 | 1.39 | 1.45 | 0.06 | 0.22 | 16 | 8 | 1 | NP_000132.3 | P21802 |
| 305 | NK063-3 | FGFR2 | Pan-Specific | Fibroblast growth facto | 0, 0 | 55021 | 1 | 12 | 0, 0 | 58747 | 12 | 13 | 7 | 1.52 | 1.58 | 0.06 | 0.20 | 8 | 8 | 1 | NP_000132.3 | P21802 |
| 306 | NK063-4 | FGFR2 | Pan-Specific | Fibroblast growth facto | 0, 0 | 18736 | 17 | 11 | 0, 0 | 8393 | 9 | 10 | -55 | 0.91 | 0.43 | -0.48 | -1.73 | 12 | 8 | 1 | NP_000132.3 | P21802 |
| 307 | NK236-2 | FGFR3 | Pan-Specific | Fibroblast growth facto | 0, 0 | 39353 | 14 | 12 | 0, 0 | 34671 | 4 | 12 | -12 | 1.33 | 1.27 | -0.06 | -0.23 | 4 | 8 | 2 | NP_000133.1 | P22607 |
| 308 | NK236-3 | FGFR3 | Pan-Specific | Fibroblast growth facto | 0, 0 | 14632 | 9 | 10 | 0, 0 | 8522 | 60 | 10 | -42 | 0.77 | 0.44 | -0.33 | -1.19 | 8 | 8 | 2 | NP_000133.1 | P22607 |
| 309 | PK637 | FGFR3 | Y647+Y648 | Fibroblast growth facto | 0, 0 | 15424 | 88 | 11 | 0, 0 | 12115 | 0 | 10 | -21 | 0.80 | 0.64 | -0.15 | -0.54 | 12 | 8 | 2 | NP_000133.1 | P22607 |
| 310 | NN172 | FHL2 | Pan-Specific | Four and a half LIM do | 0, 0 | 416 | 33 | 5 | 0, 0 | 851 | 64 | 6 | 104 | -1.27 | -0.92 | 0.34 | 1.24 | 16 | 8 | 2 | NP_001034581.1 | Q14192 |
| 311 | PN194 | FKHR | S256 | Forkhead box protein | 0, 0 | 295 | 14 | 5 | 0, 0 | 406 | 75 | 5 | 38 | -1.46 | -1.36 | 0.10 | 0.37 | 3 | 7 | 8 | NP_002006.2 | Q12778 |
| 312 | PN195 | FKHR | S319 | Forkhead box protein | 0, 0 | 137 | 36 | 4 | 0, 0 | 207 | 20 | 4 | 51 | -1.90 | -1.76 | 0.14 | 0.52 | 7 | 7 | 8 | NP_002006.2 | Q12778 |
| 313 | NK240-1 | Flt3 | Pan-Specific | Receptor-type tyrosine | 0, 0 | 31802 | 14 | 12 | 0, 0 | 52667 | 173 | 12 | 66 | 1.21 | 1.51 | 0.30 | 1.10 | 11 | 7 | 8 | NP_004110.2 | P36888 |
| 314 | NN044 | Fos | Pan-specific | Fos-c FBJ murine oste | 0, 0 | 13610 | 8 | 10 | 0, 0 | 4612 | 26 | 9 | -66 | 0.72 | 0.07 | -0.65 | -2.35 | 3 | 7 | 9 | NP_005243 | P01100 |
| 315 | PN033 | Fos | T232 | Fos-c FBJ murine oste | 0, 0 | 61 | 18 | 3 | 0, 0 | 96 | 10 | 3 | 58 | -2.37 | -2.22 | 0.15 | 0.54 | 15 | 7 | 8 | NP_005243 | P01100 |
| 316 | PK641 | FRK | Y387 | Tyrosine-protein kinas | 0, 0 | 21573 | 59 | 11 | 0, 0 | 5144 | 344 | 9 | -76 | 0.99 | 0.14 | -0.85 | -3.07 | 7 | 7 | 9 | NP_002022.1 | P42685 |
| 317 | PN146 | FRS2 | Y349 | Fibroblast growth facto | 0, 0 | 5683 | 55 | 9 | 0, 0 | 3629 | 28 | 9 | -36 | 0.23 | -0.07 | -0.29 | -1.06 | 11 | 7 | 9 | NP_001036020.1 | Q8WU20 |
| 318 | NK065 | Fyn | Pan-specific | Fyn proto-oncogene-e | 0, 0 | 1056 | 53 | 7 | 0, 0 | 2427 | 18 | 8 | 130 | -0.73 | -0.31 | 0.43 | 1.56 | 15 | 7 | 9 | NP_002028 | P06241 |
| 319 | PN192 | Gab1 | Y627 | GRB2-associated binc | 0, 0 | 1293 | 20 | 7 | 0, 0 | 1782 | 10 | 8 | 38 | -0.62 | -0.49 | 0.13 | 0.48 | 3 | 7 | 10 | NP_002030.2 | Q13480 |
| 320 | NN163 | GADD 153 (CHOP) | Pan-specific | DNA damage-inducibl | 0, 0 | 2028 | 14 | 8 | 0, 0 | 5989 | 36 | 9 | 195 | -0.36 | 0.23 | 0.59 | 2.14 | 7 | 7 | 10 | - | P35639 |
| 321 | PN196 | GATA1 | S142 | Erythroid transcription | 0, 0 | 400 | 33 | 5 | 0, 0 | 407 | 35 | 5 | 2 | -1.29 | -1.36 | -0.07 | -0.26 | 11 | 7 | 10 | NP_002040.1 | P15976 |
| 322 | NK066 | GCK | Pan-specific | Germinal centre protei | 0, 0 | 5447 | 100 | 9 | 0, 0 | 4859 | 57 | 9 | -11 | 0.20 | 0.10 | -0.10 | -0.35 | 15 | 7 | 10 | NP_004570 | Q12851 |
| 323 | PN034 | GFAP | S8 | Glial fibrillary acidic pr | 0, 0 | 1837 | 13 | 7 | 0, 0 | 2366 | 2 | 8 | 29 | -0.42 | -0.32 | 0.10 | 0.36 | 3 | 7 | 11 | NP_002046 | P14136 |
| 324 | PN178 | GluR1 | S849 | Glutamate receptor 1 | 0, 0 | 1006 | 22 | 7 | 0, 0 | 1086 | 6 | 7 | 8 | -0.76 | -0.78 | -0.02 | -0.06 | 7 | 7 | 11 | NP_000818.2 | P42261 |
| 325 | NN045 | GNB2L1 | Pan-specific | Guanine nucleotide-bi | 0, 0 | 1872 | 49 | 8 | 0, 0 | 2512 | 30 | 8 | 34 | -0.41 | -0.28 | 0.12 | 0.45 | 11 | 7 | 11 | NP_006089 | P63244 |
| 326 | NK067 | GRK2 | Pan-specific | G protein-coupled rec | 0, 0 | 4272 | 33 | 9 | 0, 0 | 7934 | 23 | 10 | 86 | 0.06 | 0.39 | 0.33 | 1.20 | 3 | 8 | 1 | NP_001610 | P25098 |
| 327 | PK025 | GRK2 | S670 | G protein-coupled rec | 0, 0 | 29415 | 22 | 11 | 0, 0 | 27339 | 21 | 11 | -7 | 1.16 | 1.13 | -0.04 | -0.14 | 15 | 7 | 11 | NP_001610 | P25098 |
| 328 | NN046 | GroEL | Pan-specific | GroEL homolog (may | 0, 0 | 2332 | 33 | 8 | 0, 0 | 2143 | 0 | 8 | -8 | -0.28 | -0.38 | -0.10 | -0.35 | 7 | 8 | 1 | NP_002147 | P10809 |
| 329 | NN047 | Grp75 | Pan-specific | Glucose regulated pro | 0, 0 | 46515 | 4 | 12 | 0, 0 | 38870 | 15 | 12 | -16 | 1.43 | 1.33 | -0.09 | -0.33 | 11 | 8 | 1 | NP_004125 | P38646 |
| 330 | NN048 | Grp78 | Pan-specific | Glucose regulated pro | 0, 0 | 22229 | 1 | 11 | 0, 0 | 23039 | 19 | 11 | 4 | 1.00 | 1.02 | 0.02 | 0.08 | 15 | 8 | 1 | NP_005338 | P11021 |
| 331 | NN048-2 | Grp78 | Pan-specific | Glucose regulated pro | 0, 0 | 24068 | 48 | 11 | 0, 0 | 22876 | 23 | 11 | -5 | 1.05 | 1.02 | -0.03 | -0.10 | 3 | 8 | 2 | NP_005338 | P11021 |
| 332 | NN049 | Grp94 | Pan-specific | Glucose regulated pro | 0, 0 | 30517 | 2 | 12 | 0, 0 | 26165 | 2 | 11 | -14 | 1.18 | 1.10 | -0.08 | -0.31 | 7 | 8 | 2 | NP_003290 | P14625 |
| 333 | PK648 | GSK3a | T19+pS21 | Glycogen synthase-se | 0, 0 | 7188 | 75 | 9 | 0, 0 | 6956 | 69 | 9 | -3 | 0.36 | 0.32 | -0.04 | -0.15 | 15 | 8 | 2 | NP_063937 | P49840 |
| 334 | PK650 | GSK3a | Y284+Y285 | Glycogen synthase-se | 0, 0 | 2257 | 77 | 8 | 0, 0 | 2064 | 10 | 8 | -9 | -0.30 | -0.40 | -0.10 | -0.36 | 11 | 8 | 2 | NP_063937 | P49840 |
| 335 | NK069-NK070-2 | GSK3a/b | Pan-specific | Glycogen synthase-se | 0, 0 | 5108 | 44 | 9 | 0, 0 | 3169 | 32 | 8 | -38 | 0.16 | -0.15 | -0.31 | -1.13 | 2 | 7 | 8 | NP_063937 | P49840 |
| 336 | PK028-PK029-1 | GSK3a/b | Y279/Y216 | Glycogen synthase-se | 0, 0 | 668 | 48 | 6 | 0, 0 | 445 | 22 | 6 | -33 | -1.00 | -1.31 | -0.31 | -1.13 | 6 | 7 | 8 | NP_063937 | P49840 |
| 337 | PK651 | GTF2F1 | S385+T389 | General transcription f | 0, 0 | 8700 | 75 | 10 | 0, 0 | 6392 | 41 | 9 | -27 | 0.47 | 0.27 | -0.20 | -0.73 | 10 | 7 | 8 | NP_002087.2 | P35269 |
| 338 | NK071 | Haspin | Pan-specific | Haploid germ cell-spec | 0, 0 | 1199 | 140 | 7 | 0, 0 | 2004 | 74 | 8 | 67 | -0.66 | -0.42 | 0.24 | 0.89 | 14 | 7 | 8 | NP_114171 | Q8TF76 |
| 339 | NN169 | HDAC4 | Pan-specific | Histone deacetylase 4 | 0, 0 | 102 | 13 | 3 | 0, 0 | 95 | 24 | 3 | -6 | -2.07 | -2.22 | -0.15 | -0.54 | 2 | 7 | 9 | NP_006028.2 | P56524 |
| 340 | PN179-PN180-PN181 | HDAC4/5/9 | S246/259/220 | Histone deacetylase 4 | 0, 0 | 549 | 18 | 6 | 0, 0 | 881 | 146 | 6 | 60 | -1.11 | -0.90 | 0.20 | 0.74 | 6 | 7 | 9 | NP_006028.2 | P56524 |
| 341 | PN188 | HDAC5 | S498 | Histone deacetylase 5 | 0, 0 | 908 | 119 | 6 | 0, 0 | 404 | 17 | 5 | -55 | -0.82 | -1.36 | -0.54 | -1.96 | 10 | 7 | 9 | NP_001015053.1 | Q9UQL6 |
| 342 | NN050 | hHR23B | Pan-specific | UV excison repair prot | 0, 0 | 339 | 19 | 5 | 0, 0 | 236 | 41 | 5 | -30 | -1.38 | -1.68 | -0.30 | -1.08 | 14 | 7 | 9 | NP_002865 | P54727 |
| 343 | NN051 | Hip | Pan-specific | Hsp70/Hsc70 interacti | 0, 0 | 22028 | 11 | 11 | 0, 0 | 28099 | 28 | 11 | 28 | 1.00 | 1.14 | 0.14 | 0.52 | 2 | 7 | 10 | NP_003923 | P50502 |
| 344 | PN036 | Histone H2A.X | S139 | Histone H2A variant X | 0, 0 | 941 | 20 | 7 | 0, 0 | 948 | 32 | 7 | 1 | -0.80 | -0.86 | -0.06 | -0.21 | 6 | 7 | 10 | NP_002096 | P16104 |
| 345 | PN037 | Histone H2B | S14 | Histone H2B | 0, 0 | 26959 | 35 | 11 | 0, 0 | 23529 | 29 | 11 | -13 | 1.11 | 1.04 | -0.08 | -0.28 | 10 | 7 | 10 | NP_778225 | P33778 |
| 346 | PN038 | Histone H3 | S10 | Histone H3.3 | 0, 0 | 20682 | 62 | 11 | 0, 0 | 27358 | 103 | 11 | 32 | 0.96 | 1.13 | 0.16 | 0.59 | 14 | 7 | 10 | NP_003521 | P84243 |
| 347 | PN039 | Histone H3 | S28 | Histone H3.3 | 0, 0 | 16196 | 10 | 11 | 0, 0 | 16885 | 4 | 11 | 4 | 0.82 | 0.84 | 0.02 | 0.06 | 2 | 7 | 11 | NP_003521 | P84243 |
| 348 | PN100 | Histone H3 | T11 | Histone H3.3 | 0, 0 | 1645 | 16 | 7 | 0, 0 | 1213 | 10 | 7 | -26 | -0.48 | -0.71 | -0.23 | -0.84 | 6 | 7 | 11 | NP_003521 | P84243 |

Globally Normalized Signal
MIN MED MAX

%CFC
<-80% 0 >+200%

Z-ratio
<-1.5 0 >+1.5

SAMPLE DETAILS

Sample IDs: Control ID: Pooled Samples Larger
Treated ID: Pooled Samples Smaller

| | | | | | | Globally Normalized Median 3433 | | | | Globally Normalized Median 4055 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Control | Globally Normalized - Control | %Error Range Control | Log2 (Intensity Corrected) - Control | Flag-Treated | Globally Normalized - Treated | %Error Range Treated | Log2 (Intensity Corrected) - Treated | %CFC (Treated from Control) | Z score (Control) | Z score (Treated) | Z-score Difference (Treated-Control) | Z-ratio (Treated, Control) | Block | Row | Column | Refseq | Uniprot Link |
| 349 | PN101 | Histone H3 | T3 | Histone H3.3 | 0, 0 | 20690 | 42 | 11 | 0, 0 | 18338 | 25 | 11 | -11 | 0.96 | 0.89 | -0.07 | -0.26 | 10 | 7 | 11 | NP_003521 | P84243 |
| 350 | PN101-2 | Histone H3 | T3 | Histone H3.3 | 0, 0 | 532 | 5 | 6 | 0, 0 | 588 | 47 | 6 | 10 | -1.13 | -1.14 | -0.02 | -0.06 | 14 | 7 | 11 | NP_003521 | P84243 |
| 351 | NN052 | HO1 | Pan-specific | Heme oxygenase 1 | 0, 0 | 19163 | 6 | 11 | 0, 0 | 17993 | 11 | 11 | -6 | 0.92 | 0.88 | -0.04 | -0.15 | 2 | 8 | 1 | NP_002124 | P09601 |
| 352 | NN053 | HO2 | Pan-specific | Heme oxygenase 2 | 0, 0 | 20709 | 3 | 11 | 0, 0 | 19407 | 5 | 11 | -6 | 0.96 | 0.92 | -0.04 | -0.15 | 6 | 8 | 1 | NP_002125 | P30519 |
| 353 | NK072 | Hpk1 | Pan-specific | Hematopoetic progeni | 0, 0 | 5260 | 183 | 9 | 0, 0 | 3561 | 11 | 9 | -32 | 0.18 | -0.08 | -0.26 | -0.94 | 10 | 8 | 1 | NP_009112 | Q92918 |
| 354 | NN054 | Hsc70 | Pan-specific | Heat shock 70 kDa pr | 0, 0 | 1142 | 26 | 7 | 0, 0 | 1682 | 60 | 7 | 47 | -0.69 | -0.52 | 0.17 | 0.61 | 14 | 8 | 1 | NP_006588 | P11142 |
| 355 | NN054-2 | Hsc70 | Pan-specific | Heat shock 70 kDa pr | 0, 0 | 20551 | 1 | 11 | 0, 0 | 18527 | 13 | 11 | -10 | 0.96 | 0.90 | -0.06 | -0.23 | 2 | 8 | 2 | NP_006588 | P11142 |
| 356 | NN055 | HSF4 | Pan-specific | Heat shock transcripti | 0, 0 | 611 | 88 | 6 | 0, 0 | 466 | 52 | 6 | -24 | -1.05 | -1.28 | -0.23 | -0.84 | 6 | 8 | 2 | NP_001529 | Q9ULV5 |
| 357 | NN062 | Hsp105 | Pan-specific | Heat shock 105 kDa p | 0, 0 | 2380 | 326 | 8 | 0, 0 | 3608 | 247 | 9 | 52 | -0.27 | -0.07 | 0.20 | 0.73 | 10 | 8 | 2 | NP_006635 | Q92598 |
| 358 | NN152-1 | Hsp25 | Pan-specific | Heat shock 27 kDa pr | 0, 0 | 19543 | 6 | 11 | 0, 0 | 19701 | 16 | 11 | 1 | 0.93 | 0.93 | 0.00 | 0.01 | 1 | 7 | 8 | NP_001531 | P04792 |
| 359 | PN042-3 | Hsp25 | S82 | Heat shock 27 kDa pr | 0, 0 | 1673 | 12 | 7 | 0, 0 | 862 | 11 | 6 | -48 | -0.47 | -0.92 | -0.44 | -1.61 | 14 | 8 | 2 | NP_001531 | P04792 |
| 360 | PN040-2 | Hsp27 | S15 | Heat shock 27 kDa pr | 0, 0 | 6818 | 0 | 9 | 0, 0 | 7325 | 7 | 10 | 7 | 0.33 | 0.35 | 0.02 | 0.07 | 13 | 7 | 8 | NP_001531 | P04792 |
| 361 | PN041 | Hsp27 | S78 | Heat shock 27 kDa pr | 0, 0 | 29180 | 1 | 11 | 0, 0 | 25255 | 2 | 11 | -13 | 1.16 | 1.08 | -0.08 | -0.29 | 9 | 7 | 8 | NP_001531 | P04792 |
| 362 | PN042-1 | Hsp27 | S86 | Heat shock 27 kDa pr | 0, 0 | 566 | 2 | 6 | 0, 0 | 498 | 25 | 6 | -12 | -1.09 | -1.24 | -0.15 | -0.54 | 5 | 7 | 8 | NP_001531 | P04792 |
| 363 | NN057-2 | Hsp40 | Pan-specific | DnaJ homolog, subfar | 0, 0 | 8026 | 5 | 10 | 0, 0 | 9717 | 8 | 10 | 21 | 0.42 | 0.51 | 0.09 | 0.33 | 1 | 7 | 9 | NP_006136 | P25685 |
| 364 | NN057-3 | Hsp40 | Pan-specific | DnaJ homolog, subfar | 0, 0 | 15211 | 20 | 11 | 0, 0 | 14353 | 11 | 11 | -6 | 0.79 | 0.74 | -0.04 | -0.15 | 5 | 7 | 9 | NP_006136 | P25685 |
| 365 | NN058 | Hsp47 | Pan-specific | Heat shock 47 kDa pr | 0, 0 | 211 | 45 | 4 | 0, 0 | 625 | 247 | 6 | 196 | -1.65 | -1.11 | 0.55 | 1.98 | 9 | 7 | 9 | NP_001226 | P29043 |
| 366 | NN059-1 | Hsp60 | Pan-specific | Heat shock 60 kDa pr | 0, 0 | 2863 | 16 | 8 | 0, 0 | 3822 | 8 | 9 | 33 | -0.17 | -0.04 | 0.13 | 0.47 | 13 | 7 | 9 | NP_002147 | P10809 |
| 367 | NN059-2 | Hsp60 | Pan-specific | Heat shock 60 kDa pr | 0, 0 | 63447 | 26 | 13 | 0, 0 | 65455 | 32 | 13 | 3 | 1.60 | 1.64 | 0.04 | 0.14 | 1 | 7 | 10 | NP_002147 | P10809 |
| 368 | NN059-3 | Hsp60 | Pan-specific | Heat shock 60 kDa pr | 0, 0 | 262 | 2 | 5 | 0, 0 | 268 | 13 | 5 | 2 | -1.53 | -1.61 | -0.08 | -0.27 | 1 | 7 | 11 | NP_002147 | P10809 |
| 369 | NN060-2 | Hsp70 | Pan-specific | Heat shock 70 kDa pr | 1, 1 | 791 | 49 | 6 | 1, 1 | 3813 | 40 | 9 | 382 | -0.90 | -0.04 | 0.86 | 3.12 | 5 | 7 | 10 | NP_005336 | P08107 |
| 370 | NN060-3 | Hsp70 | Pan-specific | Heat shock 70 kDa pr | 0, 0 | 25004 | 3 | 11 | 0, 0 | 32166 | 8 | 12 | 29 | 1.07 | 1.22 | 0.15 | 0.55 | 9 | 7 | 10 | NP_005336 | P08107 |
| 371 | NN061 | Hsp90 | Pan-specific | Heat shock 90 kDa pr | 0, 0 | 2741 | 77 | 8 | 0, 0 | 7281 | 62 | 10 | 166 | -0.19 | 0.34 | 0.53 | 1.94 | 13 | 7 | 10 | NP_005339 | P07900 |
| 372 | NN061-16 | Hsp90 alpha | Pan-specific | Heat shock 90 kDa pr | 0, 0 | 18853 | 3 | 11 | 0, 0 | 18690 | 18 | 11 | -1 | 0.91 | 0.90 | -0.01 | -0.03 | 5 | 7 | 11 | NP_005339 | P07900 |
| 373 | NN165-1 | hsp90 beta | Pan-specific | Heat shock 90 kDa pr | 0, 0 | 27928 | 12 | 11 | 0, 0 | 30671 | 7 | 12 | 10 | 1.13 | 1.19 | 0.06 | 0.22 | 9 | 7 | 11 | NP_031381 | P08238 |
| 374 | NN164 | Hsp90a | Pan-specific | Heat shock 90 kDa pr | 0, 0 | 8453 | 13 | 10 | 0, 0 | 9669 | 17 | 10 | 14 | 0.45 | 0.51 | 0.06 | 0.22 | 13 | 7 | 11 | NP_005339 | P07900 |
| 375 | NN165 | Hsp90b | Pan-specific | Heat shock 90 kDa pr | 0, 0 | 7354 | 13 | 9 | 0, 0 | 5980 | 22 | 9 | -19 | 0.37 | 0.23 | -0.14 | -0.52 | 5 | 8 | 1 | NP_031381 | P08238 |
| 376 | PN176 | Hsp90b | S254 | Heat shock 90 kDa pr | 0, 0 | 128 | 5 | 4 | 0, 0 | 256 | 35 | 5 | 99 | -1.94 | -1.64 | 0.30 | 1.10 | 1 | 8 | 1 | NP_031381 | P08238 |
| 377 | NN063 | HspBP1 | Pan-specific | Hsp70 binding protein | 0, 0 | 628 | 28 | 6 | 0, 0 | 1979 | 12 | 8 | 215 | -1.03 | -0.43 | 0.61 | 2.19 | 9 | 8 | 1 | NP_036399 | O95351 |
| 378 | NK193 | HSTK12 (Aurora 2) | Pan-specific | Aurora Kinase B (serir | 0, 0 | 3555 | 44 | 8 | 0, 0 | 5399 | 17 | 9 | 52 | -0.04 | 0.17 | 0.21 | 0.76 | 13 | 8 | 1 | NP_004208 | Q96GD4 |
| 379 | PN103 | Huntingtin | S421 | Huntington's disease p | 0, 0 | 12703 | 149 | 10 | 0, 0 | 4850 | 103 | 9 | -62 | 0.68 | 0.10 | -0.58 | -2.10 | 1 | 8 | 2 | NP_002102 | P42858 |
| 380 | NN064-2 | IκB-α | Pan-specific | Inhibitor of NF-kappa-I | 0, 0 | 2169 | 61 | 8 | 0, 0 | 2370 | 5 | 8 | 9 | -0.32 | -0.32 | 0.01 | 0.02 | 3 | 8 | 4 | NP_065390 | P25963 |
| 381 | NN130 | I1PP2A (PHAPI) | Pan-specific | Acidic leucine-rich nuc | 0, 0 | 15192 | 48 | 11 | 0, 0 | 13552 | 34 | 10 | -11 | 0.79 | 0.71 | -0.08 | -0.27 | 5 | 8 | 2 | NP_006296 | P39687 |
| 382 | NN131 | I2PP2A (PHAPII) | Pan-specific | Protein SET | 0, 0 | 21401 | 3 | 11 | 0, 0 | 18313 | 9 | 11 | -14 | 0.98 | 0.89 | -0.09 | -0.34 | 9 | 8 | 2 | NP_003002 | Q01105 |
| 383 | NN025 | IAP1 | Pan-specific | Cellular inhibitor of apo | 0, 0 | 1497 | 31 | 7 | 0, 0 | 2128 | 19 | 8 | 42 | -0.54 | -0.38 | 0.15 | 0.55 | 13 | 8 | 2 | NP_001156 | Q13490 |
| 384 | PK655 | ICK | Y156+T157 | Intestinal cell (MAK-lik | 0, 0 | 7925 | 66 | 10 | 0, 0 | 11593 | 183 | 10 | 46 | 0.42 | 0.62 | 0.20 | 0.74 | 4 | 8 | 3 | NP_055735.1 | Q9UPZ9 |
| 385 | PK153 | IGF1R | Y1165/Y1166 | Insulin-like growth fact | 0, 0 | 288 | 16 | 5 | 0, 0 | 292 | 29 | 5 | 2 | -1.48 | -1.56 | -0.08 | -0.29 | 16 | 8 | 3 | NP_000866 | P08069 |
| 386 | PK152 | IGF1R | Y1280 | Insulin-like growth fact | 0, 0 | 1117 | 12 | 7 | 0, 0 | 2263 | 46 | 8 | 103 | -0.70 | -0.35 | 0.36 | 1.29 | 12 | 8 | 3 | NP_000866 | P08069 |
| 387 | PK658 | IGF1R | Y1346 | Insulin-like growth fact | 0, 0 | 2470 | 20 | 8 | 0, 0 | 2676 | 31 | 8 | 8 | -0.25 | -0.25 | 0.00 | 0.01 | 8 | 8 | 3 | NP_000866 | P08069 |
| 388 | NK075-6 | IkB Kinase alpha | Pan-specific | Inhibitor of NF-kappa-I | 0, 0 | 5788 | 35 | 9 | 0, 0 | 6343 | 22 | 9 | 10 | 0.24 | 0.26 | 0.03 | 0.10 | 4 | 8 | 4 | NP_001269 | O15111 |
| 389 | NN064 | IkBa | Pan-specific | Inhibitor of NF-kappa-I | 0, 0 | 1752 | 14 | 7 | 0, 0 | 2005 | 15 | 8 | 14 | -0.45 | -0.42 | 0.03 | 0.10 | 8 | 8 | 4 | NP_065390 | P25963 |
| 390 | PN164 | IkBa | Y42 | Inhibitor of NF-kappa-I | 0, 0 | 931 | 4 | 7 | 0, 0 | 1194 | 8 | 7 | 28 | -0.81 | -0.72 | 0.08 | 0.30 | 12 | 8 | 4 | NP_065390 | P25963 |
| 391 | NN065 | IkBb | Pan-specific | Inhibitor of NF-kappa-I | 0, 0 | 1216 | 2 | 7 | 0, 0 | 1593 | 6 | 7 | 31 | -0.65 | -0.55 | 0.10 | 0.37 | 16 | 8 | 4 | NP_002494 | Q15653 |
| 392 | PN168 | IkBe | S22 | NF-kappa-B inhibitor e | 0, 0 | 1816 | 19 | 7 | 0, 0 | 2020 | 10 | 8 | 11 | -0.43 | -0.41 | 0.01 | 0.04 | 4 | 8 | 5 | NP_004547.2 | O00221 |
| 393 | NK075-2 | IKKa | Pan-specific | Inhibitor of NF-kappa-I | 0, 0 | 966 | 15 | 7 | 0, 0 | 2457 | 22 | 8 | 154 | -0.79 | -0.30 | 0.49 | 1.77 | 8 | 8 | 5 | NP_001269 | O15111 |
| 394 | NK075-3 | IKKa | Pan-specific | Inhibitor of NF-kappa-I | 0, 0 | 8566 | 8 | 10 | 0, 0 | 10877 | 20 | 10 | 27 | 0.46 | 0.58 | 0.12 | 0.44 | 16 | 8 | 5 | NP_001269 | O15111 |
| 395 | PK154 | IKKa | T23 | Inhibitor of NF-kappa-I | 0, 0 | 338 | 42 | 5 | 0, 0 | 467 | 13 | 6 | 38 | -1.39 | -1.28 | 0.11 | 0.39 | 12 | 8 | 5 | NP_001269 | O15111 |
| 396 | NN161 | IKKg/NEMO | Pan-specific | I-kappa-B kinase gam | 0, 0 | 855 | 19 | 6 | 0, 0 | 593 | 11 | 6 | -31 | -0.86 | -1.14 | -0.28 | -1.02 | 4 | 8 | 6 | NP_003630 | Q9Y6K9 |
| 397 | NK078-2 | ILK1 | Pan-specific | Integrin-linked protein- | 0, 0 | 2096 | 40 | 8 | 0, 0 | 2350 | 34 | 8 | 12 | -0.34 | -0.32 | 0.02 | 0.07 | 8 | 8 | 6 | NP_001547 | O14920 |
| 398 | PK662 | ILK1 | Y351 | Integrin-linked protein- | 0, 0 | 908 | 35 | 6 | 0, 0 | 1144 | 32 | 7 | 26 | -0.82 | -0.75 | 0.07 | 0.26 | 12 | 8 | 6 | NP_001547 | O14920 |
| 399 | PK663 | InsR | Y1189 | INSR insulin receptor | 0, 0 | 2329 | 23 | 8 | 0, 0 | 2887 | 8 | 8 | 24 | -0.28 | -0.20 | 0.08 | 0.29 | 16 | 8 | 6 | NP_000199 | P06213 |
| 400 | NK079 | Insulin Receptor b | Pan-specific | Insulin receptor beta c | 0, 0 | 931 | 157 | 7 | 0, 0 | 498 | 30 | 6 | -47 | -0.81 | -1.24 | -0.43 | -1.57 | 4 | 8 | 7 | NP_000199 | P06213 |
| 401 | PN043 | Integrin a4 | S988 | Integrin alpha 4 (VLA4 | 0, 0 | 53763 | 12 | 12 | 0, 0 | 52306 | 2 | 12 | -3 | 1.51 | 1.51 | 0.00 | 0.00 | 8 | 8 | 7 | NP_000876 | P13612 |
| 402 | PN044 | Integrin b1 | S785 | Integrin beta 1 (fibrone | 0, 0 | 2556 | 14 | 8 | 0, 0 | 4190 | 63 | 9 | 64 | -0.23 | 0.02 | 0.25 | 0.90 | 12 | 8 | 7 | NP_002202 | P05556 |
| 403 | PK032-1 | IR | Y972 | Insulin receptor | 0, 0 | 1220 | 24 | 7 | 0, 0 | 1316 | 34 | 7 | 8 | -0.65 | -0.67 | -0.01 | -0.05 | 16 | 8 | 7 | NP_000199 | P06213 |
| 404 | PK033 | IR/IGF1R | Y1162/Y1163 | Insulin receptor / Insul | 0, 0 | 389 | 1 | 5 | 0, 0 | 506 | 9 | 6 | 30 | -1.31 | -1.23 | 0.07 | 0.26 | 4 | 8 | 8 | NP_000866 | P06213 |
| 405 | NK080-2 | IRAK1 | Pan-specific | Interleukin 1 receptor- | 0, 0 | 972 | 23 | 7 | 0, 0 | 3001 | 47 | 8 | 209 | -0.78 | -0.18 | 0.60 | 2.18 | 8 | 8 | 8 | NP_001560 | P51617 |
| 406 | NK081 | IRAK2 | Pan-specific | Interleukin 1 receptor- | 0, 0 | 3967 | 71 | 9 | 0, 0 | 3810 | 5 | 9 | -4 | 0.02 | -0.04 | -0.06 | -0.21 | 12 | 8 | 8 | NP_001561.3 | O43187 |
| 407 | PK665 | IRAK4 | T345+S346 | Interleukin 1 receptor- | 0, 0 | 16882 | 68 | 11 | 0, 0 | 14288 | 87 | 11 | -15 | 0.85 | 0.74 | -0.10 | -0.38 | 16 | 8 | 8 | NP_001107654.1 | Q9NWZ3 |
| 408 | PN117 | IRS1 | S312 | Insulin receptor substr | 0, 0 | 626 | 25 | 6 | 0, 0 | 1742 | 74 | 7 | 178 | -1.03 | -0.50 | 0.53 | 1.93 | 7 | 8 | 3 | NP_005535 | P35568 |
| 409 | PN118 | IRS1 | S639 | Insulin receptor substr | 0, 0 | 175 | 44 | 4 | 0, 0 | 295 | 56 | 5 | 69 | -1.76 | -1.55 | 0.21 | 0.76 | 11 | 8 | 3 | NP_005535 | P35568 |
| 410 | PN046-2 | IRS1 | Y1179 | Insulin receptor substr | 0, 0 | 5644 | 23 | 9 | 0, 0 | 4947 | 4 | 9 | -12 | 0.22 | 0.12 | -0.11 | -0.38 | 3 | 8 | 3 | NP_005535 | P35568 |
| 411 | PN045 | IRS1 | Y612 | Insulin receptor substr | 0, 0 | 2456 | 95 | 8 | 0, 0 | 1582 | 8 | 7 | -36 | -0.25 | -0.56 | -0.30 | -1.10 | 15 | 8 | 3 | NP_005535 | P35568 |
| 412 | NK084-5 | JAK1 | Pan-Specific | Janus protein-tyrosine | 0, 0 | 69115 | 20 | 13 | 0, 0 | 74339 | 2 | 13 | 8 | 1.65 | 1.72 | 0.07 | 0.24 | 11 | 8 | 4 | NP_002218 | P23458 |
| 413 | PK126 | JAK1 | Y1022 | Janus protein-tyrosine | 0, 0 | 296 | 7 | 5 | 0, 0 | 493 | 20 | 6 | 67 | -1.46 | -1.25 | 0.21 | 0.78 | 7 | 8 | 4 | NP_002218 | P23458 |
| 414 | NK085 | JAK2 | Pan-specific | Janus protein-tyrosine | 0, 0 | 653 | 14 | 6 | 0, 0 | 980 | 8 | 7 | 50 | -1.01 | -0.84 | 0.17 | 0.61 | 3 | 8 | 5 | NP_004963 | O60674 |
| 415 | NK085-2 | JAK2 | Pan-Specific | Janus protein-tyrosine | 0, 0 | 72737 | 5 | 13 | 0, 0 | 84796 | 9 | 13 | 17 | 1.68 | 1.79 | 0.11 | 0.41 | 11 | 8 | 5 | NP_004963 | O60674 |
| 416 | NK085-3 | JAK2 | Pan-Specific | Janus protein-tyrosine | 0, 0 | 54575 | 6 | 12 | 0, 0 | 60847 | 6 | 13 | 11 | 1.52 | 1.60 | 0.08 | 0.30 | 15 | 8 | 5 | NP_004963 | O60674 |
| 417 | NK085-4 | JAK2 | Pan-Specific | Janus protein-tyrosine | 0, 0 | 37330 | 21 | 12 | 0, 0 | 34032 | 2 | 12 | -9 | 1.30 | 1.26 | -0.04 | -0.16 | 3 | 8 | 6 | NP_004963 | O60674 |
| 418 | PK034-2 | JAK2 | Y1007/1008 | Janus protein-tyrosine | 0, 0 | 6076 | 1 | 9 | 0, 0 | 6492 | 32 | 9 | 7 | 0.26 | 0.28 | 0.01 | 0.05 | 7 | 8 | 5 | NP_004963 | O60674 |
| 419 | PK034-1 | JAK2 | Y1007+Y1008 | Janus protein-tyrosine | 0, 0 | 158 | 15 | 4 | 0, 0 | 399 | 7 | 5 | 153 | -1.82 | -1.37 | 0.45 | 1.62 | 15 | 8 | 4 | NP_004963 | O60674 |
| 420 | NK086 | JAK3 | Pan-specific | Janus protein-tyrosine | 0, 0 | 11191 | 34 | 10 | 0, 0 | 15328 | 40 | 11 | 37 | 0.61 | 0.78 | 0.17 | 0.62 | 3 | 8 | 7 | NP_000206 | P52333 |
| 421 | NK086-2 | JAK3 | Pan-Specific | Janus protein-tyrosine | 0, 0 | 26754 | 5 | 11 | 0, 0 | 20067 | 19 | 11 | -25 | 1.11 | 0.94 | -0.17 | -0.60 | 7 | 8 | 6 | NP_000206 | P52333 |
| 422 | NK086-3 | JAK3 | Pan-Specific | Janus protein-tyrosine | 0, 0 | 47345 | 1 | 12 | 0, 0 | 44898 | 8 | 12 | -5 | 1.44 | 1.42 | -0.02 | -0.06 | 11 | 8 | 6 | NP_000206 | P52333 |
| 423 | NK086-4 | JAK3 | Pan-Specific | Janus protein-tyrosine | 0, 0 | 34106 | 3 | 12 | 0, 0 | 40973 | 34 | 12 | 20 | 1.25 | 1.36 | 0.12 | 0.42 | 15 | 8 | 6 | NP_000206 | P52333 |
| 424 | PK669 | JAK3 | Y980+Y981 | Janus protein-tyrosine | 0, 0 | 17017 | 65 | 11 | 0, 0 | 13394 | 69 | 10 | -21 | 0.85 | 0.70 | -0.15 | -0.53 | 7 | 8 | 7 | NP_000206 | P52333 |
| 425 | PK035-1 | JNK | T183/Y185 | Jun N-terminus protei | 0, 0 | 11391 | 232 | 10 | 0, 0 | 10273 | 193 | 10 | -10 | 0.62 | 0.55 | -0.07 | -0.27 | 11 | 8 | 7 | NP_002741 | P45983 |
| 426 | PK035-2 | JNK | T183/Y185 | Jun N-terminus protei | 0, 0 | 1059 | 0 | 7 | 0, 0 | 913 | 6 | 7 | -14 | -0.73 | -0.88 | -0.15 | -0.54 | 3 | 8 | 8 | NP_002741 | P45983 |
| 427 | PK035-4 | JNK | T183/Y185 | Jun N-terminus protei | 0, 0 | 842 | 35 | 6 | 0, 0 | 697 | 8 | 6 | -17 | -0.86 | -1.04 | -0.18 | -0.64 | 15 | 8 | 7 | NP_002741 | P45983 |
| 428 | NK217-2 | JNK1 | Pan-Specific | Jun N-terminus protei | 0, 0 | 34098 | 2 | 12 | 0, 0 | 26005 | 2 | 11 | -24 | 1.25 | 1.10 | -0.15 | -0.55 | 7 | 8 | 8 | NP_002741 | P45983 |
| 429 | NK217 | JNK1 (MAPK p49 | Pan-specific | Jun N-terminus protei | 0, 0 | 293 | 32 | 5 | 0, 0 | 356 | 46 | 5 | 22 | -1.47 | -1.44 | 0.03 | 0.10 | 11 | 8 | 8 | NP_620637.1 | P45983 |
| 430 | NK088-2 | JNK2 | Pan-specific | Jun N-terminus protei | 0, 0 | 1832 | 9 | 7 | 0, 0 | 3050 | 47 | 8 | 66 | -0.42 | -0.17 | 0.25 | 0.91 | 2 | 8 | 3 | NP_002741 | P45983 |
| 431 | NK189-2 | JNK2 | Pan-Specific | Jun N-terminus protei | 0, 0 | 56341 | 3 | 12 | 0, 0 | 62096 | 1 | 13 | 10 | 1.53 | 1.61 | 0.08 | 0.27 | 15 | 8 | 8 | NP_002744 | P45984 |
| 432 | NK197-2 | JNK3 | Pan-Specific | Jun N-terminus protei | 0, 0 | 47323 | 14 | 12 | 0, 0 | 54832 | 23 | 12 | 16 | 1.44 | 1.54 | 0.10 | 0.37 | 6 | 8 | 3 | NP_002744.1 | P53779 |
| 433 | NN162 | Jun | Pan-specific | Jun proto-oncogene-e | 0, 0 | 280 | 49 | 5 | 0, 0 | 238 | 18 | 5 | -15 | -1.49 | -1.68 | -0.19 | -0.67 | 10 | 8 | 4 | NP_002219 | P05412 |
| 434 | PN154 | Jun | S243 | Jun proto-oncogene-e | 0, 0 | 336 | 22 | 5 | 0, 0 | 313 | 28 | 5 | -7 | -1.39 | -1.51 | -0.13 | -0.46 | 10 | 8 | 3 | NP_002219 | P05412 |
| 435 | PN048-1 | Jun | S73 | Jun proto-oncogene-e | 0, 0 | 14446 | 2 | 10 | 0, 0 | 18575 | 15 | 11 | 29 | 0.76 | 0.90 | 0.14 | 0.50 | 14 | 8 | 4 | NP_002219 | P05412 |

Globally Normalized Signal
MIN MED MAX

%CFC
<-80% 0 >+200%

Z-ratio
<-1.5 0 >+1.5

SAMPLE DETAILS

Sample IDs: Control ID: Pooled Samples Larger
Treated ID: Pooled Samples Smaller

| | | | | | | Globally Normalized Median<br>3433 | | | | Globally Normalized Median<br>4055 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Serial No.** | **Antibody Codes** | **Target Protein Name** | **Phospho Site (Human)** | **Full Target Protein Name** | **Flag-Control** | **Globally Normalized - Control** | **%Error Range Control** | **Log2 (Intensity Corrected) - Control** | **Flag-Treated** | **Globally Normalized - Treated** | **%Error Range Treated** | **Log2 (Intensity Corrected) - Treated** | **%CFC (Treated from Control)** | **Z score (Control)** | **Z score (Treated)** | **Z-score Difference (Treated-Control)** | **Z-ratio (Treated, Control)** | **Block** | **Row** | **Column** | **Refseq** | **Uniprot Link** |
| 436 | PN048-2 | Jun | S73 | Jun proto-oncogene-e | 0, 0 | 9708 | 4 | 10 | 0, 0 | 10409 | 16 | 10 | 7 | 0.53 | 0.56 | 0.02 | 0.09 | 6 | 8 | 4 | NP_002219 | P05412 |
| 437 | PN163 | Jun | T91 | Jun proto-oncogene-e | 0, 0 | 606 | 2 | 6 | 0, 0 | 1795 | 73 | 8 | 196 | -1.05 | -0.48 | 0.57 | 2.06 | 2 | 8 | 4 | NP_002219 | P05412 |
| 438 | PN155 | Jun | Y170 | Jun proto-oncogene-e | 0, 0 | 516 | 138 | 6 | 0, 0 | 447 | 164 | 6 | -13 | -1.14 | -1.30 | -0.16 | -0.58 | 14 | 8 | 3 | NP_002219 | P05412 |
| 439 | NP004 | KAP | Pan-specific | Cyclin-dependent kin | 0, 0 | 1202 | 30 | 7 | 0, 0 | 3610 | 51 | 9 | 200 | -0.66 | -0.07 | 0.59 | 2.14 | 2 | 8 | 5 | NP_005183 | Q16667 |
| 440 | NN153 | KDEL Receptor, KR10 | Pan-specific | ER lumen protein reta | 0, 0 | 1985 | 9 | 8 | 0, 0 | 2444 | 22 | 8 | 23 | -0.37 | -0.30 | 0.07 | 0.27 | 6 | 8 | 5 | NP_006792.1 | P24390 |
| 441 | NK241-2 | Kit | Pan-Specific | Mast/stem cell growth | 0, 0 | 50161 | 1 | 12 | 0, 0 | 53222 | 12 | 12 | 6 | 1.47 | 1.52 | 0.05 | 0.18 | 6 | 8 | 6 | NP_006566 | P10721 |
| 442 | PK036 | Kit | Y703 | Mast/stem cell growth | 0, 0 | 8045 | 49 | 10 | 0, 0 | 7174 | 29 | 10 | -11 | 0.42 | 0.34 | -0.09 | -0.32 | 10 | 8 | 5 | NP_006566 | P10721 |
| 443 | PK150 | Kit | Y721 | Mast/stem cell growth | 0, 0 | 566 | 48 | 6 | 0, 0 | 774 | 29 | 6 | 37 | -1.09 | -0.98 | 0.11 | 0.40 | 10 | 8 | 6 | NP_006566 | P10721 |
| 444 | PK037 | Kit | Y730 | Mast/stem cell growth | 0, 0 | 7955 | 43 | 10 | 0, 0 | 7226 | 37 | 10 | -9 | 0.42 | 0.34 | -0.08 | -0.28 | 14 | 8 | 5 | NP_006566 | P10721 |
| 445 | PK038 | Kit | Y936 | Mast/stem cell growth | 0, 0 | 878 | 11 | 6 | 0, 0 | 1768 | 157 | 7 | 101 | -0.84 | -0.49 | 0.35 | 1.26 | 2 | 8 | 6 | NP_006566 | P10721 |
| 446 | NK090-2 | Krs-1 | Pan-specific | Protein-serine kinase s | 0, 0 | 1406 | 60 | 7 | 0, 0 | 1921 | 58 | 8 | 37 | -0.57 | -0.44 | 0.13 | 0.47 | 14 | 8 | 6 | AAC50354.1 | Q8IVT5 |
| 447 | NK113-3 | Krs-2 | Pan-specific | Mammalian STE20-lik | 0, 0 | 1113 | 94 | 7 | 0, 0 | 3174 | 16 | 8 | 185 | -0.71 | -0.15 | 0.56 | 2.02 | 2 | 8 | 7 | NP_006273 | Q13043 |
| 448 | NP005 | LAR | Pan-specific | LCA antigen-related (L | 0, 0 | 437 | 15 | 5 | 0, 0 | 264 | 8 | 5 | -39 | -1.24 | -1.62 | -0.38 | -1.36 | 6 | 8 | 7 | NP_002831 | P10586 |
| 449 | NK092-2 | Lck | Pan-specific | Lymphocyte-specific p | 0, 0 | 1396 | 8 | 7 | 0, 0 | 1233 | 4 | 7 | -12 | -0.58 | -0.71 | -0.13 | -0.47 | 10 | 8 | 8 | NP_005347 | P06239 |
| 450 | NK092-3 | Lck | Pan-specific | Lymphocyte-specific p | 0, 0 | 275 | 2 | 5 | 0, 0 | 229 | 25 | 5 | -17 | -1.50 | -1.70 | -0.20 | -0.71 | 14 | 8 | 8 | NP_005347 | P06239 |
| 451 | PK039 | Lck | S158 | Lymphocyte-specific p | 0, 0 | 4426 | 33 | 9 | 0, 0 | 5575 | 24 | 9 | 26 | 0.08 | 0.19 | 0.10 | 0.37 | 14 | 8 | 7 | NP_005347 | P06239 |
| 452 | PK040 | Lck | Y192 | Lymphocyte-specific p | 0, 0 | 7334 | 21 | 9 | 0, 0 | 7012 | 40 | 9 | -4 | 0.37 | 0.32 | -0.05 | -0.18 | 2 | 8 | 8 | NP_005347 | P06239 |
| 453 | PK149 | Lck | Y394 | Lymphocyte-specific p | 0, 0 | 13640 | 19 | 10 | 0, 0 | 13794 | 16 | 10 | 1 | 0.73 | 0.72 | 0.00 | -0.01 | 10 | 8 | 7 | NP_005347 | P06239 |
| 454 | PK041 | Lck | Y505 | Lymphocyte-specific p | 0, 0 | 469 | 55 | 6 | 0, 0 | 263 | 9 | 5 | -44 | -1.20 | -1.62 | -0.42 | -1.52 | 6 | 8 | 8 | NP_005347 | P06239 |
| 455 | NK093 | LIMK1 | Pan-specific | LIM domain kinase 1 | 0, 1 | 3197 | 515 | 8 | 0, 1 | 1438 | 27 | 7 | -55 | -0.10 | -0.61 | -0.51 | -1.85 | 1 | 8 | 3 | NP_002305 | P53667 |
| 456 | PK042-PK144 | LIMK1/2 | Y507/T508 | LIM domain kinase 1 | 0, 0 | 5363 | 34 | 9 | 0, 0 | 4053 | 7 | 9 | -24 | 0.19 | 0.00 | -0.19 | -0.70 | 5 | 8 | 3 | NP_002305 | P53667 |
| 457 | NK227-2 | LKB1 | Pan-Specific | Serine/threonine-prote | 0, 0 | 61763 | 5 | 13 | 0, 0 | 69262 | 0 | 13 | 12 | 1.59 | 1.67 | 0.09 | 0.32 | 9 | 8 | 3 | NP_000446.1 | Q15831 |
| 458 | NK227-3 | LKB1 | Pan-Specific | Serine/threonine-prote | 0, 0 | 20178 | 51 | 11 | 0, 0 | 20566 | 108 | 11 | 2 | 0.95 | 0.96 | 0.01 | 0.03 | 13 | 8 | 3 | NP_000446.1 | Q15831 |
| 459 | NK227-4 | LKB1 | Pan-Specific | Serine/threonine-prote | 0, 0 | 47898 | 28 | 12 | 0, 0 | 47535 | 13 | 12 | -1 | 1.44 | 1.45 | 0.01 | 0.04 | 1 | 8 | 4 | NP_000446.1 | Q15831 |
| 460 | NK095 | Lyn | Pan-specific | Yes-related protein-tyr | 0, 0 | 1348 | 3 | 7 | 0, 0 | 4547 | 30 | 9 | 237 | -0.60 | 0.07 | 0.66 | 2.40 | 5 | 8 | 4 | NP_002341 | P07948 |
| 461 | NK097 | MAPKAPK2 | Pan-specific | Mitogen-activated prot | 0, 0 | 1678 | 25 | 7 | 0, 0 | 3115 | 17 | 8 | 86 | -0.47 | -0.16 | 0.31 | 1.13 | 13 | 8 | 4 | NP_004750 | P49137 |
| 462 | PK044 | MAPKAPK2 | T222 | Mitogen-activated prot | 0, 0 | 560 | 26 | 6 | 0, 0 | 1120 | 56 | 7 | 100 | -1.10 | -0.76 | 0.34 | 1.21 | 1 | 8 | 5 | NP_004750 | P49137 |
| 463 | PN049-PN112-2 | MAPKAPK2 | T334 | Mitogen-activated prot | 0, 0 | 1445 | 16 | 7 | 0, 0 | 1097 | 8 | 7 | -24 | -0.56 | -0.77 | -0.22 | -0.79 | 9 | 8 | 4 | NP_004750 | P49137 |
| 464 | PK693 | MAPKAPK5 | T186 | MAP kinase-activated | 0, 0 | 16465 | 58 | 11 | 0, 0 | 14979 | 106 | 11 | -9 | 0.83 | 0.77 | -0.06 | -0.23 | 5 | 8 | 5 | NP_003659.2 | Q8IW41 |
| 465 | PN050-1 | MARCKS | S152/S156 | Myristoylated alanine-r | 0, 0 | 135 | 51 | 4 | 0, 0 | 290 | 9 | 5 | 115 | -1.91 | -1.56 | 0.35 | 1.26 | 9 | 8 | 5 | NP_002347 | P29966 |
| 466 | PK694 | MARK1 | T215 | MAP/microtubule affin | 0, 0 | 36305 | 34 | 12 | 0, 0 | 28740 | 36 | 12 | -21 | 1.28 | 1.16 | -0.13 | -0.47 | 13 | 8 | 5 | NP_001273053.1 | Q9P0L2 |
| 467 | NN067 | Mcl1 | Pan-specific | Myeloid cell leukemia | 0, 0 | 2271 | 11 | 8 | 0, 0 | 2092 | 18 | 8 | -8 | -0.30 | -0.39 | -0.09 | -0.34 | 1 | 8 | 6 | NP_068779 | Q07820 |
| 468 | PN169 | MDM2 | S166 | Double minute 2 | 0, 0 | 5473 | 18 | 9 | 0, 0 | 5862 | 11 | 9 | 7 | 0.20 | 0.22 | 0.01 | 0.04 | 5 | 8 | 6 | NP_001138809.1 | Q00987 |
| 469 | NN155 | MEF-2 | Pan-specific | Myelin expression fact | 0, 0 | 3542 | 19 | 8 | 0, 0 | 6276 | 8 | 9 | 77 | -0.04 | 0.26 | 0.30 | 1.09 | 9 | 8 | 6 | NP_057216.2 | Q9P2K5 |
| 470 | NK099-1 | MEK1 | Pan-specific | MAPK/ERK protein-se | 0, 0 | 639 | 52 | 6 | 0, 0 | 618 | 23 | 6 | -3 | -1.02 | -1.11 | -0.09 | -0.33 | 4 | 8 | 9 | NP_002746 | Q02750 |
| 471 | NK099-3 | MEK1 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 20145 | 60 | 11 | 0, 0 | 14186 | 65 | 11 | -30 | 0.95 | 0.74 | -0.21 | -0.76 | 5 | 8 | 7 | NP_002746 | Q02750 |
| 472 | NK099-7 | MEK1 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 36866 | 7 | 12 | 0, 0 | 38143 | 19 | 12 | 3 | 1.29 | 1.32 | 0.03 | 0.11 | 1 | 8 | 8 | NP_002746 | Q02750 |
| 473 | NK099-8 | MEK1 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 54544 | 22 | 12 | 0, 0 | 63120 | 25 | 13 | 16 | 1.52 | 1.62 | 0.10 | 0.38 | 9 | 8 | 7 | NP_002746 | Q02750 |
| 474 | NK099-9 | MEK1 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 21501 | 63 | 11 | 0, 0 | 16995 | 46 | 11 | -21 | 0.98 | 0.84 | -0.14 | -0.51 | 13 | 8 | 7 | NP_002746 | Q02750 |
| 475 | PK046-2 | MEK1 | S292 | MAPK/ERK protein-se | 0, 0 | 17484 | 17 | 11 | 0, 0 | 13167 | 15 | 10 | -25 | 0.87 | 0.69 | -0.17 | -0.63 | 5 | 8 | 8 | NP_002746 | Q02750 |
| 476 | PK047-2 | MEK1 | S298 | MAPK/ERK protein-se | 0, 0 | 15786 | 39 | 11 | 0, 0 | 12678 | 27 | 10 | -20 | 0.81 | 0.67 | -0.14 | -0.50 | 9 | 8 | 8 | NP_002746 | Q02750 |
| 477 | PK046-1 | MEK1 | T292 | MAPK/ERK protein-se | 0, 0 | 16950 | 59 | 11 | 0, 0 | 12969 | 49 | 10 | -23 | 0.85 | 0.69 | -0.16 | -0.59 | 13 | 8 | 6 | NP_002746 | Q02750 |
| 478 | PK048-1 | MEK1 | T386 | MAPK/ERK protein-se | 0, 0 | 5174 | 49 | 9 | 0, 0 | 3896 | 38 | 9 | -25 | 0.17 | -0.03 | -0.20 | -0.71 | 1 | 8 | 7 | NP_002746 | Q02750 |
| 479 | PK048-2 | MEK1 | T386 | MAPK/ERK protein-se | 0, 0 | 22688 | 28 | 11 | 0, 0 | 18317 | 26 | 11 | -19 | 1.02 | 0.89 | -0.13 | -0.46 | 13 | 8 | 8 | NP_002746 | Q02750 |
| 480 | PK045-PN007 | MEK1 + B23(NPM) | S217+S221 | B23 (nucleophosmin, | 0, 0 | 134 | 38 | 4 | 0, 0 | 138 | 21 | 4 | 3 | -1.91 | -2.00 | -0.08 | -0.31 | 8 | 8 | 9 | NP_002511 | P06748 |
| 481 | NK100-1 | MEK2 | Pan-specific | MAPK/ERK protein-se | 0, 0 | 215 | 28 | 4 | 0, 0 | 516 | 148 | 6 | 141 | -1.64 | -1.22 | 0.42 | 1.54 | 12 | 8 | 10 | AAH00471.1 | P36507 |
| 482 | NK100-4 | MEK2 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 24011 | 27 | 11 | 0, 0 | 27207 | 31 | 11 | 13 | 1.05 | 1.12 | 0.07 | 0.27 | 4 | 8 | 10 | AAH00471.1 | P36507 |
| 483 | NK100-5 | MEK2 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 41022 | 8 | 12 | 0, 0 | 45372 | 17 | 12 | 11 | 1.35 | 1.42 | 0.07 | 0.26 | 16 | 8 | 9 | AAH00471.1 | P36507 |
| 484 | NK100-6 | MEK2 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 30589 | 6 | 12 | 0, 0 | 20318 | 7 | 11 | -34 | 1.19 | 0.95 | -0.24 | -0.85 | 8 | 8 | 10 | AAH00471.1 | P36507 |
| 485 | PK049 | MEK2 | T394 | MAPK/ERK protein-se | 0, 0 | 2252 | 10 | 8 | 0, 0 | 3563 | 12 | 9 | 58 | -0.30 | -0.08 | 0.22 | 0.81 | 12 | 8 | 9 | AAH00471.1 | P36507 |
| 486 | PK049-2 | MEK2 human | T394 | MAPK/ERK protein-se | 0, 0 | 4016 | 4 | 9 | 0, 0 | 4041 | 15 | 9 | 1 | 0.03 | 0.00 | -0.03 | -0.11 | 16 | 8 | 10 | AAH00471.1 | P36507 |
| 487 | PK050 | MEK2 mouse | T394 | MAPK/ERK protein-se | 0, 0 | 8516 | 18 | 10 | 0, 0 | 6673 | 1 | 9 | -22 | 0.46 | 0.29 | -0.16 | -0.59 | 4 | 8 | 11 | NP_075627 | P36507 |
| 488 | NK101 | MEK3 | Pan-specific | MAPK/ERK protein-se | 0, 0 | 1437 | 46 | 7 | 0, 0 | 1432 | 4 | 7 | 0 | -0.56 | -0.62 | -0.06 | -0.21 | 8 | 8 | 11 | NP_659732 | P46734 |
| 489 | NK101-3 | MEK-3 | Pan-specific | MAPK/ERK protein-se | 0, 0 | 10752 | 5 | 10 | 0, 0 | 9538 | 5 | 10 | -11 | 0.59 | 0.50 | -0.09 | -0.31 | 12 | 8 | 11 | NP_659732 | P46734 |
| 490 | PK051 | MEK3/6 | S189 + S207 | MAPK/ERK protein-se | 0, 0 | 372 | 15 | 5 | 0, 0 | 786 | 58 | 6 | 111 | -1.33 | -0.97 | 0.36 | 1.30 | 16 | 8 | 11 | NP_002747 | P46734 |
| 491 | PK051-2 | MEK3/6 | S189/193/S207/211 | MAPK/ERK protein-se | 0, 0 | 11481 | 22 | 10 | 0, 0 | 8941 | 6 | 10 | -22 | 0.63 | 0.47 | -0.16 | -0.58 | 4 | 9 | 1 | NP_002747 | P46734 |
| 492 | NK102 | MEK3b | Pan-specific | MAPK/ERK protein-se | 0, 0 | 364 | 22 | 5 | 0, 0 | 261 | 6 | 5 | -28 | -1.34 | -1.62 | -0.28 | -1.01 | 8 | 9 | 1 | NP_659731 | P46734 |
| 493 | NK103 | MEK4 | Pan-specific | MAPK/ERK protein-se | 0, 0 | 1544 | 83 | 7 | 0, 0 | 1881 | 25 | 8 | 22 | -0.52 | -0.46 | 0.06 | 0.23 | 4 | 9 | 2 | NP_003001 | P45985 |
| 494 | NK103-2 | MEK4 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 5822 | 19 | 9 | 0, 0 | 4408 | 7 | 9 | -24 | 0.24 | 0.05 | -0.19 | -0.69 | 16 | 9 | 1 | NP_003001 | P45985 |
| 495 | PK052 | MEK4 | S257/T261 | MAPK/ERK protein-se | 0, 0 | 9055 | 12 | 10 | 0, 0 | 8010 | 13 | 10 | -12 | 0.49 | 0.40 | -0.09 | -0.33 | 12 | 9 | 1 | NP_003001 | P45985 |
| 496 | NK104 | MEK5 | Pan-specific | MAPK/ERK protein-se | 0, 0 | 719 | 29 | 6 | 0, 0 | 1488 | 25 | 7 | 107 | -0.95 | -0.59 | 0.36 | 1.30 | 16 | 9 | 2 | NP_660143 | Q13163 |
| 497 | NK104-3 | MEK5 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 32257 | 8 | 12 | 0, 0 | 27936 | 17 | 11 | -13 | 1.22 | 1.14 | -0.08 | -0.28 | 8 | 9 | 2 | NP_660143 | Q13163 |
| 498 | NK104-4 | MEK5 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 33123 | 17 | 12 | 0, 0 | 35075 | 1 | 12 | 6 | 1.23 | 1.27 | 0.04 | 0.15 | 12 | 9 | 2 | NP_660143 | Q13163 |
| 499 | NK104-5 | MEK5-3 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 30676 | 6 | 12 | 0, 0 | 28503 | 3 | 12 | -7 | 1.19 | 1.15 | -0.04 | -0.14 | 4 | 9 | 3 | NP_660143 | Q13163 |
| 500 | NK105-1 | MEK6 | Pan-specific | MAPK/ERK protein-se | 0, 0 | 172 | 13 | 4 | 0, 0 | 378 | 4 | 5 | 120 | -1.77 | -1.40 | 0.37 | 1.33 | 8 | 9 | 3 | NP_002749 | P52564 |
| 501 | NK106-2 | MEK7 | Pan-specific | MAPK/ERK protein-se | 0, 0 | 945 | 5 | 7 | 0, 0 | 2139 | 22 | 8 | 126 | -0.80 | -0.38 | 0.42 | 1.52 | 12 | 9 | 3 | NP_005034 | O14733 |
| 502 | NK107-4 | MEKK-1 | Pan-specific | MAPK/ERK kinase kir | 0, 0 | 1251 | 3 | 7 | 0, 0 | 1231 | 12 | 7 | -2 | -0.64 | -0.71 | -0.07 | -0.24 | 16 | 9 | 3 | XP_042066 | Q13233 |
| 503 | NK108-2 | MEKK2 | Pan-specific | MAPK/ERK kinase kir | 0, 0 | 1835 | 59 | 7 | 0, 0 | 2147 | 70 | 8 | 17 | -0.42 | -0.38 | 0.04 | 0.15 | 3 | 8 | 9 | NP_006600 | Q9Y2U5 |
| 504 | NK107-3 | MEKK-NT | Pan-Specific | MAPK/ERK kinase kir | 0, 0 | 6755 | 69 | 9 | 0, 0 | 2679 | 9 | 8 | -60 | 0.32 | -0.25 | -0.57 | -2.07 | 7 | 8 | 9 | XP_042066 | Q13233 |
| 505 | NK229-2 | MELK | Pan-Specific | Maternal embryonic le | 0, 0 | 42229 | 1 | 12 | 0, 0 | 43688 | 7 | 12 | 3 | 1.37 | 1.40 | 0.03 | 0.12 | 11 | 8 | 9 | NP_001243614.1 | Q14680 |
| 506 | NK229-3 | MELK | Pan-Specific | Maternal embryonic le | 0, 0 | 48 | 4 | 2 | 0, 0 | 53 | 14 | 2 | 11 | -2.50 | -2.56 | -0.06 | -0.22 | 15 | 8 | 9 | NP_001243614.1 | Q14680 |
| 507 | NK110-2 | Met | Pan-Specific | Hepatocyte growth fac | 0, 0 | 56828 | 12 | 12 | 0, 0 | 57101 | 0 | 13 | 0 | 1.54 | 1.56 | 0.02 | 0.08 | 3 | 8 | 11 | NP_000236.2 | P08581 |
| 508 | NK110-3 | Met | Pan-Specific | Hepatocyte growth fac | 0, 0 | 34200 | 8 | 12 | 0, 0 | 23207 | 1 | 11 | -32 | 1.25 | 1.03 | -0.22 | -0.80 | 7 | 8 | 11 | NP_000236.2 | P08581 |
| 509 | PK706 | Met | T1241 | Hepatocyte growth fac | 0, 0 | 7202 | 156 | 9 | 0, 0 | 4910 | 110 | 9 | -32 | 0.36 | 0.11 | -0.25 | -0.90 | 11 | 8 | 10 | NP_000236.2 | P08581 |
| 510 | PK707 | Met | T1355+Y1356 | Hepatocyte growth fac | 0, 0 | 7386 | 32 | 9 | 0, 0 | 8770 | 33 | 10 | 19 | 0.37 | 0.45 | 0.08 | 0.29 | 15 | 8 | 10 | NP_000236.2 | P08581 |
| 511 | PK054-2 | Met | Y1003 | Hepatocyte growth fac | 0, 0 | 7337 | 29 | 9 | 0, 0 | 6194 | 29 | 9 | -16 | 0.37 | 0.25 | -0.12 | -0.44 | 3 | 8 | 10 | NP_000236 | P08581 |
| 512 | PK055-1 | Met | 1230/Y1234/Y123 | Hepatocyte growth fac | 0, 0 | 801 | 19 | 6 | 0, 0 | 642 | 20 | 6 | -20 | -0.89 | -1.09 | -0.20 | -0.72 | 7 | 8 | 10 | NP_000236 | P08581 |
| 513 | NK101-4 | MKK3 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 29100 | 22 | 11 | 0, 0 | 44369 | 10 | 12 | 52 | 1.16 | 1.41 | 0.25 | 0.92 | 7 | 9 | 1 | NP_002747 | P46734 |
| 514 | NK101-5 | MKK3 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 63878 | 36 | 13 | 0, 0 | 59081 | 15 | 13 | -8 | 1.61 | 1.58 | -0.03 | -0.09 | 11 | 9 | 1 | NP_002747 | P46734 |
| 515 | NK101-6 | MKK3 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 54644 | 12 | 12 | 0, 0 | 70067 | 2 | 13 | 28 | 1.52 | 1.68 | 0.16 | 0.60 | 15 | 9 | 1 | NP_002747 | P46734 |
| 516 | PK051-4 | MKK3 | S189 | MAPK/ERK protein-se | 0, 0 | 322 | 160 | 5 | 0, 0 | 174 | 11 | 4 | -46 | -1.41 | -1.86 | -0.45 | -1.63 | 11 | 8 | 11 | NP_002747 | P46734 |
| 517 | PK713 | MKK3 | S218 | MAPK/ERK protein-se | 0, 0 | 26630 | 37 | 11 | 0, 0 | 25364 | 101 | 11 | -5 | 1.11 | 1.08 | -0.03 | -0.09 | 15 | 8 | 11 | NP_002747.2 | P46734 |
| 518 | PK714 | MKK3 | Y230 | MAPK/ERK protein-se | 0, 0 | 4999 | 27 | 9 | 0, 0 | 5441 | 20 | 9 | 9 | 0.15 | 0.17 | 0.02 | 0.07 | 3 | 9 | 1 | NP_002747.2 | P46734 |
| 519 | NK103-4 | MKK4 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 40044 | 2 | 12 | 0, 0 | 42621 | 15 | 12 | 6 | 1.34 | 1.39 | 0.05 | 0.17 | 3 | 9 | 2 | NP_003001 | P45985 |
| 520 | NK103-5 | MKK4 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 48053 | 7 | 12 | 0, 0 | 103965 | 60 | 13 | 116 | 1.44 | 1.91 | 0.47 | 1.71 | 7 | 9 | 2 | NP_003001 | P45985 |
| 521 | NK103-6 | MKK4 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 48712 | 1 | 12 | 0, 0 | 61140 | 8 | 13 | 26 | 1.45 | 1.60 | 0.15 | 0.54 | 11 | 9 | 2 | NP_003001 | P45985 |
| 522 | NK105-3 | MKK6 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 44604 | 1 | 12 | 0, 0 | 55670 | 7 | 12 | 25 | 1.40 | 1.55 | 0.14 | 0.52 | 15 | 9 | 2 | NP_002749.2 | P52564 |

Globally Normalized Signal
MIN MED MAX

%CFC
<-80% 0 >+200%

Z-ratio
<-1.5 0 >+1.5

SAMPLE DETAILS

Sample IDs:
Control ID: Pooled Samples Larger
Treated ID: Pooled Samples Smaller

Globally Normalized Median – Control: 3433

Globally Normalized Median – Treated: 4055

| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Control | Globally Normalized - Control | %Error Range Control | Log2 (Intensity Corrected) - Control | Flag-Treated | Globally Normalized - Treated | %Error Range Treated | Log2 (Intensity Corrected) - Treated | %CFC (Treated from Control) | Z score (Control) | Z score (Treated) | Z-score Difference (Treated-Control) | Z-ratio (Treated, Control) | Block | Row | Column | Refseq | Uniprot Link |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 523 | NK105-4 | MKK6 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 19095 | 7 | 11 | 0, 0 | 10684 | 8 | 10 | -44 | 0.92 | 0.57 | -0.35 | -1.25 | 3 | 9 | 3 | NP_002749.2 | P52564 |
| 524 | NK105-5 | MKK6 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 23613 | 5 | 11 | 0, 0 | 58953 | 318 | 13 | 150 | 1.04 | 1.58 | 0.54 | 1.96 | 7 | 9 | 3 | NP_002749.2 | P52564 |
| 525 | NK106-4 | MKK7 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 29591 | 4 | 11 | 0, 0 | 31714 | 6 | 12 | 7 | 1.17 | 1.21 | 0.05 | 0.17 | 11 | 9 | 3 | NP_005034 | O14733 |
| 526 | NK106-5 | MKK7 | Pan-Specific | MAPK/ERK protein-se | 0, 0 | 47893 | 1 | 12 | 0, 0 | 63818 | 18 | 13 | 33 | 1.44 | 1.63 | 0.18 | 0.67 | 15 | 9 | 3 | NP_005034 | O14733 |
| 527 | NP006 | MKP1 | Pan-specific | MAP kinase phosphat | 0, 0 | 3039 | 80 | 8 | 0, 0 | 9918 | 347 | 10 | 226 | -0.13 | 0.53 | 0.66 | 2.38 | 2 | 8 | 9 | NP_004408 | P28562 |
| 528 | NP007 | MKP2 | Pan-specific | MAP kinase phosphat | 0, 0 | 751 | 63 | 6 | 0, 0 | 308 | 17 | 5 | -59 | -0.93 | -1.52 | -0.59 | -2.15 | 6 | 8 | 9 | NP_001385 | Q13115 |
| 529 | PN051-1 | MLC | S19 | Myosin regulatory light | 0, 0 | 10364 | 12 | 10 | 0, 0 | 9858 | 22 | 10 | -5 | 0.57 | 0.52 | -0.05 | -0.16 | 10 | 8 | 9 | NP_291024 | P19105 |
| 530 | NK208 | MLK3 | Pan-specific | Mixed-lineage protein- | 0, 0 | 728 | 1 | 6 | 0, 0 | 1317 | 133 | 7 | 81 | -0.95 | -0.67 | 0.28 | 1.02 | 2 | 8 | 10 | NP_002410 | Q16584 |
| 531 | PK056 | MLK3 | T277+S281 | Mixed-lineage protein- | 0, 0 | 23403 | 28 | 11 | 0, 0 | 23567 | 25 | 11 | 1 | 1.03 | 1.04 | 0.00 | 0.02 | 14 | 8 | 9 | NP_002410 | Q16584 |
| 532 | NN132 | mMOB1 | Pan-specific | Preimplantation protei | 0, 0 | 12644 | 16 | 10 | 0, 0 | 9653 | 2 | 10 | -24 | 0.68 | 0.51 | -0.17 | -0.62 | 6 | 8 | 10 | NP_056202 | Q9Y3A3 |
| 533 | PK057 | Mnk1 | T197+T202 | MAP kinase-interactin | 0, 0 | 123 | 13 | 4 | 0, 0 | 140 | 8 | 4 | 14 | -1.96 | -1.99 | -0.03 | -0.10 | 10 | 8 | 10 | NP_003675 | Q9BUB5 |
| 534 | NK111 | Mnk2 | Pan-specific | MAP kinase-interactin | 0, 0 | 689 | 38 | 6 | 0, 0 | 1250 | 1 | 7 | 81 | -0.98 | -0.70 | 0.28 | 1.02 | 14 | 8 | 10 | NP_060042 | Q9HBH9 |
| 535 | NN069 | MSH2 | Pan-specific | DNA mismatch repair | 0, 0 | 1583 | 15 | 7 | 0, 0 | 1117 | 2 | 7 | -29 | -0.50 | -0.76 | -0.26 | -0.94 | 2 | 8 | 11 | NP_000242 | P43246 |
| 536 | PK058 | Msk1 | S376 | Mitogen & stress-activ | 0, 0 | 490 | 5 | 6 | 0, 0 | 624 | 10 | 6 | 28 | -1.17 | -1.11 | 0.07 | 0.24 | 6 | 8 | 11 | NP_004746 | O75582 |
| 537 | NK113-1 | MST1 | Pan-specific | Mammalian STE20-lik | 0, 0 | 891 | 34 | 6 | 0, 0 | 1230 | 10 | 7 | 38 | -0.83 | -0.71 | 0.13 | 0.46 | 10 | 8 | 11 | NP_006273 | Q13043 |
| 538 | NK113-2 | MST1 | Pan-specific | Mammalian STE20-lik | 0, 0 | 544 | 24 | 6 | 0, 0 | 440 | 34 | 5 | -19 | -1.11 | -1.31 | -0.20 | -0.72 | 14 | 8 | 11 | NP_006273 | Q13043 |
| 539 | NK114 | MST2 | Pan-specific | Mammalian STE20-lik | 0, 0 | 51468 | 13 | 12 | 0, 0 | 65924 | 9 | 13 | 28 | 1.48 | 1.65 | 0.16 | 0.59 | 2 | 9 | 1 | NP_006272 | Q13188 |
| 540 | NK115 | MST3 | Pan-specific | Mammalian STE20-lik | 0, 0 | 205 | 20 | 4 | 0, 0 | 186 | 26 | 4 | -9 | -1.67 | -1.82 | -0.15 | -0.55 | 6 | 9 | 1 | NP_003567 | Q9Y6E0 |
| 541 | PK727 | MST3 | T184 | Mammalian STE20-lik | 0, 0 | 7502 | 146 | 10 | 0, 0 | 5590 | 162 | 9 | -25 | 0.38 | 0.19 | -0.20 | -0.71 | 10 | 9 | 1 | NP_001027467.2 | Q9Y6E0 |
| 542 | PK728 | MST3 | T190 | Mammalian STE20-lik | 0, 0 | 9530 | 237 | 10 | 0, 0 | 6026 | 219 | 9 | -37 | 0.52 | 0.23 | -0.29 | -1.04 | 14 | 9 | 1 | NP_001027467.2 | Q9Y6E0 |
| 543 | NK116-3 | mTOR | Pan-Specific | Mammalian target of r | 0, 0 | 11333 | 26 | 10 | 0, 0 | 9598 | 46 | 10 | -15 | 0.62 | 0.51 | -0.11 | -0.41 | 6 | 9 | 2 | NP_004949 | P42345 |
| 544 | NK116-4 | mTOR | Pan-Specific | Mammalian target of r | 0, 0 | 43575 | 17 | 12 | 0, 0 | 50454 | 22 | 12 | 16 | 1.39 | 1.49 | 0.10 | 0.36 | 2 | 9 | 2 | NP_004949 | P42345 |
| 545 | PK116 | mTOR (FRAP) | S2448 | Mammalian target of r | 0, 0 | 1110 | 3 | 7 | 0, 0 | 1035 | 17 | 7 | -7 | -0.71 | -0.81 | -0.10 | -0.37 | 10 | 9 | 2 | NP_004949 | P42345 |
| 546 | PN186 | Myc | S373 | Myc proto-oncogene p | 0, 0 | 853 | 12 | 6 | 0, 0 | 690 | 4 | 6 | -19 | -0.86 | -1.05 | -0.19 | -0.69 | 14 | 9 | 2 | NP_002458.2 | P01106 |
| 547 | PN199 | Myc | T58 | Myc proto-oncogene p | 0, 0 | 1856 | 44 | 8 | 0, 0 | 2376 | 40 | 8 | 28 | -0.41 | -0.32 | 0.10 | 0.35 | 2 | 9 | 3 | NP_002458.2 | P01106 |
| 548 | PN182 | MyoD | S200 | Myoblast determinatio | 0, 0 | 208 | 8 | 4 | 0, 0 | 409 | 62 | 5 | 96 | -1.66 | -1.36 | 0.30 | 1.10 | 6 | 9 | 3 | NP_002469.2 | P15172 |
| 549 | PN052 | MYPT1 | T696 | Myosin phosphatase t | 0, 0 | 1920 | 198 | 8 | 0, 0 | 724 | 1 | 6 | -62 | -0.39 | -1.02 | -0.63 | -2.26 | 10 | 9 | 3 | NP_446342 | O14974 |
| 550 | NK117-3 | Nek2 | Pan-specific | NIMA (never-in-mitosis | 0, 0 | 4832 | 948 | 9 | 0, 0 | 1478 | 57 | 7 | -69 | 0.13 | -0.60 | -0.73 | -2.65 | 14 | 9 | 3 | NP_002488 | P51955 |
| 551 | NK117-4 | Nek2 | Pan-specific | NIMA (never-in-mitosis | 0, 0 | 925 | 16 | 6 | 0, 0 | 1613 | 23 | 7 | 74 | -0.81 | -0.55 | 0.26 | 0.96 | 1 | 8 | 9 | NP_002488 | P51955 |
| 552 | NK117-5 | Nek2 | Pan-specific | NIMA (never-in-mitosis | 0, 0 | 5929 | 60 | 9 | 0, 0 | 4446 | 35 | 9 | -25 | 0.25 | 0.05 | -0.20 | -0.71 | 5 | 8 | 9 | NP_002488 | P51955 |
| 553 | PK732 | Nek2 | S171 | NIMA (never-in-mitosis | 0, 0 | 56565 | 28 | 12 | 0, 0 | 63682 | 37 | 13 | 13 | 1.54 | 1.63 | 0.09 | 0.32 | 9 | 8 | 9 | NP_002488 | P51955 |
| 554 | NK119 | Nek7 | Pan-specific | NIMA (never-in-mitosis | 0, 0 | 2005 | 57 | 8 | 0, 0 | 2906 | 29 | 8 | 45 | -0.37 | -0.20 | 0.17 | 0.62 | 13 | 8 | 9 | NP_598001 | Q8TDX7 |
| 555 | NN070 | NFkappaB p50 | Pan-specific | NF-kappa-B p50 nucle | 0, 0 | 494 | 27 | 6 | 0, 0 | 882 | 6 | 6 | 79 | -1.17 | -0.90 | 0.27 | 0.96 | 1 | 8 | 10 | NP_003989 | P19838 |
| 556 | NN071 | NFkappaB p65 | Pan-specific | NF-kappa-B p65 nucle | 0, 0 | 1086 | 12 | 7 | 0, 0 | 1193 | 6 | 7 | 10 | -0.72 | -0.72 | -0.01 | -0.02 | 5 | 8 | 10 | NP_003989 | Q04206 |
| 557 | PN156 | NFKB p65 | S529 | NF-kappa-B p65 nucle | 0, 0 | 2392 | 188 | 8 | 0, 0 | 1499 | 45 | 7 | -37 | -0.27 | -0.59 | -0.32 | -1.16 | 9 | 8 | 10 | NP_003989 | Q04206 |
| 558 | PN157 | NFKB p65 | S536 | NF-kappa-B p65 nucle | 0, 0 | 6614 | 77 | 9 | 0, 0 | 3643 | 21 | 9 | -45 | 0.31 | -0.07 | -0.38 | -1.37 | 13 | 8 | 10 | NP_003989 | Q04206 |
| 559 | PN053-1 | NFKB p65 (Rel A) | S276 | NF-kappa-B p65 nucle | 0, 0 | 12512 | 105 | 10 | 0, 0 | 8220 | 59 | 10 | -34 | 0.68 | 0.42 | -0.26 | -0.94 | 1 | 8 | 11 | NP_003989 | Q04206 |
| 560 | NK207 | NIK | Pan-specific | NF-kappa beta-inducir | 0, 1 | 3765 | 45 | 9 | 0, 1 | 2821 | 202 | 8 | -25 | -0.01 | -0.22 | -0.21 | -0.75 | 5 | 8 | 11 | NP_003945.2 | Q99558 |
| 561 | NK212 | Nlk | Pan-specific | Serine/threonine prote | 0, 0 | 1310 | 22 | 7 | 0, 0 | 2081 | 30 | 8 | 59 | -0.61 | -0.40 | 0.22 | 0.78 | 9 | 8 | 11 | NP_057315.3 | Q9UBE8 |
| 562 | PN055-1 | NMDAR1 | S896 | N-methyl-D-aspartate | 0, 0 | 1238 | 299 | 7 | 0, 0 | 683 | 13 | 6 | -45 | -0.64 | -1.05 | -0.41 | -1.48 | 13 | 8 | 11 | NP_000823 | Q05586 |
| 563 | PN054 | NMDAR2B | Y1472 | N-methyl-D-aspartate | 0, 0 | 113 | 53 | 3 | 0, 0 | 138 | 32 | 4 | 22 | -2.01 | -2.00 | 0.01 | 0.05 | 1 | 9 | 1 | NP_000825 | Q13224 |
| 564 | NN074 | NME7 | Pan-specific | Nucleotide diphosphat | 0, 0 | 2870 | 44 | 8 | 0, 0 | 2672 | 90 | 8 | -7 | -0.16 | -0.25 | -0.08 | -0.30 | 5 | 9 | 1 | NP_037462 | Q9Y5B8 |
| 565 | NN075 | NT5E | Pan-specific | Ecto-5'-nucleotidase ( | 0, 0 | 7027 | 29 | 9 | 0, 0 | 7337 | 17 | 10 | 4 | 0.35 | 0.35 | 0.00 | 0.01 | 9 | 9 | 1 | NP_002517 | P21589 |
| 566 | NN083 | p107 | Pan-specific | Retinoblastoma (Rb) p | 0, 0 | 1880 | 31 | 8 | 0, 0 | 2447 | 34 | 8 | 30 | -0.41 | -0.30 | 0.11 | 0.38 | 13 | 9 | 1 | NP_P28749 | P28749 |
| 567 | NN077 | p18 INK4c | Pan-specific | p18 INK4c cyclin-depe | 0, 0 | 4985 | 36 | 9 | 0, 0 | 2961 | 28 | 8 | -41 | 0.15 | -0.19 | -0.34 | -1.22 | 1 | 9 | 2 | NP_523240 | P42773 |
| 568 | NN078 | p21 CDKI1 | Pan-specific | cyclin-dependent kina | 0, 0 | 3070 | 3 | 8 | 0, 0 | 4189 | 9 | 9 | 36 | -0.13 | 0.02 | 0.14 | 0.52 | 5 | 9 | 2 | NP_000380 | P38936 |
| 569 | NN080 | p27 Kip1 | Pan-specific | p27 cyclin-dependent | 0, 0 | 2964 | 17 | 8 | 0, 0 | 3785 | 21 | 9 | 28 | -0.15 | -0.04 | 0.10 | 0.38 | 9 | 9 | 2 | NP_004055 | P46527 |
| 570 | NN081-NN120 | p35 | Pan-specific | CDK5 regulatory subu | 0, 0 | 5417 | 22 | 9 | 0, 0 | 23896 | 72 | 11 | 341 | 0.20 | 1.05 | 0.85 | 3.07 | 13 | 9 | 2 | NP_003876.1 | Q15078 |
| 571 | NK120-5 | p38 (1727) | Pan-specific | Mitogen-activated prot | 0, 0 | 17270 | 7 | 11 | 0, 0 | 15395 | 5 | 11 | -11 | 0.86 | 0.79 | -0.07 | -0.27 | 1 | 9 | 3 | NP_001306 | Q16539 |
| 572 | NK059-1 | p38 g (Erk6/SAPK3) | Pan-specific | Mitogen-activated prot | 0, 0 | 297 | 13 | 5 | 0, 0 | 553 | 26 | 6 | 86 | -1.46 | -1.18 | 0.28 | 1.01 | 5 | 9 | 3 | NP_002960 | P53778 |
| 573 | NK120-2 | p38a (MAPK 14) | Pan-specific | Mitogen-activated prot | 0, 0 | 11559 | 13 | 10 | 0, 0 | 11800 | 0 | 10 | 2 | 0.63 | 0.63 | 0.00 | 0.00 | 9 | 9 | 3 | NP_001306 | Q16539 |
| 574 | NK120-4 | p38a MAPK | Pan-specific | Mitogen-activated prot | 0, 0 | 1542 | 42 | 7 | 0, 0 | 1550 | 9 | 7 | 0 | -0.52 | -0.57 | -0.05 | -0.19 | 16 | 9 | 4 | NP_001306 | Q16539 |
| 575 | NK120-8 | p38a MAPK | Pan-Specific | Mitogen-activated prot | 0, 0 | 29606 | 9 | 12 | 0, 0 | 28172 | 53 | 11 | -5 | 1.17 | 1.14 | -0.02 | -0.09 | 8 | 9 | 4 | NP_001306 | Q16539 |
| 576 | PK060-1 | p38a MAPK | T180/Y182 | Mitogen-activated prot | 0, 0 | 2844 | 17 | 8 | 0, 0 | 3349 | 13 | 8 | 18 | -0.17 | -0.11 | 0.05 | 0.20 | 13 | 9 | 3 | NP_001306 | Q16539 |
| 577 | PK060-3 | p38a MAPK | T180/Y182 | Mitogen-activated prot | 0, 0 | 1372 | 12 | 7 | 0, 0 | 900 | 17 | 7 | -34 | -0.59 | -0.89 | -0.31 | -1.10 | 12 | 9 | 4 | NP_001306 | Q16539 |
| 578 | PK739 | p38a MAPK | T180+pY182 | Mitogen-activated prot | 0, 0 | 28537 | 63 | 11 | 0, 0 | 27169 | 77 | 11 | -5 | 1.15 | 1.12 | -0.02 | -0.09 | 4 | 9 | 4 | NP_001306 | Q16539 |
| 579 | NK248-1 | p38b | Pan-Specific | Mitogen-activated prot | 0, 0 | 14748 | 8 | 10 | 0, 0 | 12341 | 21 | 10 | -16 | 0.77 | 0.66 | -0.11 | -0.41 | 12 | 9 | 5 | NP_002742.3 | Q15759 |
| 580 | NK248-2 | p38b | Pan-Specific | Mitogen-activated prot | 0, 0 | 25383 | 11 | 11 | 0, 0 | 24992 | 10 | 11 | -2 | 1.08 | 1.07 | -0.01 | -0.03 | 4 | 9 | 5 | NP_002742.3 | Q15759 |
| 581 | NK248-3 | p38b | Pan-Specific | Mitogen-activated prot | 0, 0 | 14603 | 82 | 10 | 0, 0 | 13685 | 160 | 10 | -6 | 0.76 | 0.72 | -0.05 | -0.17 | 8 | 9 | 5 | NP_002742.3 | Q15759 |
| 582 | PK741 | p38b | T180+pY182 | Mitogen-activated prot | 0, 0 | 7976 | 46 | 10 | 0, 0 | 7716 | 38 | 10 | -3 | 0.42 | 0.38 | -0.04 | -0.15 | 16 | 9 | 5 | NP_002742.3 | Q15759 |
| 583 | NK121-2 | p38d | Pan-Specific | Mitogen-activated prot | 0, 0 | 34764 | 23 | 12 | 0, 0 | 35116 | 10 | 12 | 1 | 1.26 | 1.27 | 0.01 | 0.05 | 4 | 9 | 6 | NP_002745 | O15264 |
| 584 | NK121-3 | p38d | Pan-Specific | Mitogen-activated prot | 0, 0 | 48229 | 4 | 12 | 0, 0 | 47532 | 17 | 12 | -1 | 1.45 | 1.45 | 0.01 | 0.02 | 8 | 9 | 6 | NP_002745 | O15264 |
| 585 | NK121-4 | p38d | Pan-Specific | Mitogen-activated prot | 0, 0 | 29301 | 3 | 11 | 0, 0 | 32651 | 7 | 12 | 11 | 1.16 | 1.23 | 0.07 | 0.25 | 12 | 9 | 6 | NP_002745 | O15264 |
| 586 | PK743 | p38d | Y182 | Mitogen-activated prot | 0, 0 | 14535 | 67 | 10 | 0, 0 | 11175 | 67 | 10 | -23 | 0.76 | 0.60 | -0.16 | -0.59 | 16 | 9 | 6 | NP_002745.1 | O15264 |
| 587 | NK059-3 | p38g | Pan-Specific | Mitogen-activated prot | 0, 0 | 25353 | 15 | 11 | 0, 0 | 18136 | 2 | 11 | -28 | 1.08 | 0.88 | -0.20 | -0.71 | 4 | 9 | 7 | NP_002960 | P53778 |
| 588 | NK059-4 | p38g | Pan-Specific | Mitogen-activated prot | 0, 0 | 35497 | 8 | 12 | 0, 0 | 32664 | 25 | 12 | -8 | 1.27 | 1.23 | -0.04 | -0.15 | 8 | 9 | 7 | NP_002960 | P53778 |
| 589 | NK059-5 | p38g | Pan-Specific | Mitogen-activated prot | 0, 0 | 19438 | 17 | 11 | 0, 0 | 19664 | 12 | 11 | 1 | 0.93 | 0.93 | 0.00 | 0.01 | 12 | 9 | 7 | NP_002960 | P53778 |
| 590 | NN082 | p53 | Pan-specific | Tumor suppressor pro | 0, 0 | 1156 | 6 | 7 | 0, 0 | 732 | 11 | 6 | -37 | -0.68 | -1.01 | -0.33 | -1.19 | 16 | 9 | 8 | NP_000537 | P04637 |
| 591 | PN158 | p53 | S33 | Tumor suppressor pro | 0, 0 | 232 | 5 | 5 | 0, 0 | 461 | 35 | 6 | 99 | -1.60 | -1.29 | 0.31 | 1.14 | 4 | 9 | 8 | NP_000537 | P04637 |
| 592 | PN159 | p53 | S37 | Tumor suppressor pro | 0, 0 | 3628 | 0 | 8 | 0, 0 | 4346 | 4 | 9 | 20 | -0.03 | 0.04 | 0.07 | 0.25 | 8 | 9 | 8 | NP_000537 | P04637 |
| 593 | PN057-2 | p53 | S392 | Tumor suppressor pro | 0, 0 | 970 | 9 | 7 | 0, 0 | 1026 | 26 | 7 | 6 | -0.78 | -0.81 | -0.03 | -0.11 | 16 | 9 | 7 | NP_000537 | P04637 |
| 594 | PN160 | p53 | S6 | Tumor suppressor pro | 0, 0 | 512 | 0 | 6 | 0, 0 | 890 | 55 | 7 | 74 | -1.15 | -0.90 | 0.25 | 0.91 | 12 | 9 | 8 | NP_000537 | P04637 |
| 595 | PK166 | p70 S6K | S411 | Ribosomal protein S6 | 0, 0 | 1733 | 18 | 7 | 0, 0 | 1458 | 27 | 7 | -16 | -0.45 | -0.61 | -0.15 | -0.56 | 12 | 9 | 9 | NP_003152 | P23443 |
| 596 | PK156 | p70 S6K | S424 | Ribosomal protein S6 | 0, 0 | 272 | 34 | 5 | 0, 0 | 179 | 39 | 4 | -34 | -1.51 | -1.85 | -0.34 | -1.21 | 8 | 9 | 9 | NP_003152 | P23443 |
| 597 | PK146 | p70 S6K | T421/S424 | Ribosomal protein S6 | 0, 0 | 107 | 7 | 3 | 0, 0 | 123 | 24 | 4 | 14 | -2.04 | -2.07 | -0.03 | -0.10 | 4 | 9 | 9 | NP_003152 | P23443 |
| 598 | NK223 | p70 S6Ka | Pan-specific | Ribosomal protein S6 | 0, 0 | 6946 | 314 | 9 | 0, 0 | 3703 | 15 | 9 | -47 | 0.34 | -0.06 | -0.40 | -1.43 | 16 | 9 | 9 | NP_003152 | P23443 |
| 599 | PK145 | p70-S6K | T229 | Ribosomal protein S6 | 0, 0 | 1179 | 3 | 7 | 0, 0 | 2202 | 70 | 8 | 87 | -0.67 | -0.36 | 0.31 | 1.12 | 3 | 9 | 4 | NP_003152 | P23443 |
| 600 | NN123 | p73 | Pan-specific | Tumor suppressor pro | 0, 0 | 42293 | 3 | 12 | 0, 0 | 36125 | 1 | 12 | -15 | 1.37 | 1.29 | -0.08 | -0.29 | 7 | 9 | 4 | NP_005418 | O15350 |
| 601 | PK157 | p90 RSK | S352 | Ribosomal S6 protein- | 0, 0 | 1650 | 1 | 7 | 0, 0 | 1799 | 5 | 8 | 9 | -0.48 | -0.48 | 0.00 | 0.00 | 11 | 9 | 4 | NP_002944 | Q15418 |
| 602 | PK158 | p90 RSK | T348 | Ribosomal S6 protein- | 0, 0 | 400 | 29 | 5 | 0, 0 | 2020 | 9 | 8 | 405 | -1.29 | -0.41 | 0.88 | 3.17 | 15 | 9 | 4 | NP_002944 | Q15418 |
| 603 | PN187 | p95 NBS1 | S343 | Nijmegen breakage sy | 0, 0 | 215 | 21 | 4 | 0, 0 | 948 | 541 | 7 | 340 | -1.64 | -0.86 | 0.78 | 2.83 | 3 | 9 | 5 | NP_002476.2 | O60934 |
| 604 | NP008 | PAC1 | Pan-specific | Dual specificity MAP k | 0, 0 | 2424 | 39 | 8 | 0, 0 | 8844 | 95 | 10 | 265 | -0.26 | 0.46 | 0.72 | 2.61 | 7 | 9 | 5 | NP_004409 | Q05923 |
| 605 | NN084 | PACSIN1 | Pan-specific | Protein kinase C + cas | 0, 0 | 2379 | 6 | 8 | 0, 0 | 3243 | 18 | 8 | 36 | -0.27 | -0.13 | 0.14 | 0.50 | 11 | 9 | 5 | NP_065855 | Q9BY11 |
| 606 | NK122-4 | PAK a | Pan-specific | p21-activated kinase 1 | 0, 0 | 993 | 17 | 7 | 0, 0 | 4055 | 80 | 9 | 308 | -0.77 | 0.00 | 0.77 | 2.78 | 15 | 9 | 5 | NP_002567 | Q13153 |
| 607 | NK122 | PAK1 | Pan-specific | p21-activated kinase 1 | 0, 0 | 2774 | 240 | 8 | 0, 0 | 1037 | 51 | 7 | -63 | -0.18 | -0.81 | -0.62 | -2.26 | 7 | 9 | 6 | NP_002567 | Q13153 |
| 608 | PK130 | PAK1 | T212 | p21-activated kinase 1 | 0, 0 | 1343 | 6 | 7 | 0, 0 | 1514 | 51 | 7 | 13 | -0.60 | -0.58 | 0.01 | 0.05 | 3 | 9 | 6 | NP_002567 | Q13153 |
| 609 | PK061 | PAK1/2/3 | S144/S141/S154 | p21-activated kinase 1 | 0, 0 | 863 | 14 | 6 | 0, 0 | 997 | 10 | 7 | 16 | -0.85 | -0.83 | 0.02 | 0.07 | 11 | 9 | 6 | NP_002567 | Q13153 |

Globally
Normalized Signal
MIN MED MAX

%CFC
<-80% 0 >+200%

Z-ratio
<-1.5 0 >+1.5

## SAMPLE DETAILS

**Sample IDs:** Control ID: Pooled Samples Larger
Treated ID: Pooled Samples Smaller

**Globally Normalized Median** (Control): 3433
**Globally Normalized Median** (Treated): 4055

| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Control | Globally Normalized - Control | %Error Range Control | Log2 (Intensity Corrected) - Control | Flag-Treated | Globally Normalized - Treated | %Error Range Treated | Log2 (Intensity Corrected) - Treated | %CFC (Treated from Control) | Z score (Control) | Z score (Treated) | Z-score Difference (Treated-Control) | Z-ratio (Treated, Control) | Block | Row | Column | Refseq | Uniprot Link |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 610 | NK123 | PAK3 | Pan-specific | p21-activated kinase 3 | 0, 0 | 2033 | 62 | 8 | 0, 0 | 3902 | 63 | 9 | 92 | -0.36 | -0.02 | 0.34 | 1.22 | 15 | 9 | 6 | NP_002569 | O75914 |
| 611 | PK752 | PAK4 | S474 | p21-activated kinase 4 | 0, 0 | 19767 | 28 | 11 | 0, 0 | 24523 | 68 | 11 | 24 | 0.94 | 1.06 | 0.12 | 0.45 | 3 | 9 | 7 | NP_001014831.1 | O96013 |
| 612 | NK200-2 | PAKg | Pan-specific | p21-activated kinase 2 | 0, 0 | 1573 | 30 | 7 | 0, 0 | 3708 | 17 | 9 | 136 | -0.51 | -0.05 | 0.45 | 1.64 | 7 | 9 | 7 | NP_002568.2 | Q13177 |
| 613 | NN085-1 | PARP1 | Pan-specific | Poly [ADP-ribose] poly | 0, 0 | 38105 | 7 | 12 | 0, 0 | 51771 | 20 | 12 | 36 | 1.31 | 1.50 | 0.19 | 0.69 | 11 | 9 | 7 | NP_001609 | P09874 |
| 614 | NN086 | Paxillin | Pan-specific | Paxillin 1 | 0, 0 | 173 | 2 | 4 | 0, 0 | 202 | 8 | 4 | 17 | -1.77 | -1.78 | -0.01 | -0.03 | 15 | 9 | 7 | NP_002850 | P49023 |
| 615 | PN060-1 | Paxillin 1 | Y118 | Paxillin 1 | 0, 0 | 855 | 4 | 6 | 0, 0 | 1115 | 44 | 7 | 30 | -0.86 | -0.76 | 0.09 | 0.33 | 7 | 9 | 8 | NP_002850 | P49023 |
| 616 | PN059 | Paxillin 1 | Y31 | Paxillin 1 | 0, 0 | 1925 | 21 | 8 | 0, 0 | 2067 | 9 | 8 | 7 | -0.39 | -0.40 | -0.01 | -0.03 | 3 | 9 | 8 | NP_002850 | P49023 |
| 617 | NK125 | PCTK1 | Pan-specific | PCTAIRE-1 protein-se | 0, 0 | 3655 | 300 | 8 | 0, 0 | 3370 | 95 | 8 | -8 | -0.03 | -0.11 | -0.08 | -0.31 | 11 | 9 | 8 | NP_148978 | Q00536 |
| 618 | PK756 | PCTK2 | S180 | Cell division protein ki | 0, 0 | 4256 | 73 | 9 | 0, 0 | 4423 | 67 | 9 | 4 | 0.06 | 0.05 | -0.01 | -0.04 | 15 | 9 | 8 | NP_001163935.1 | Q00537 |
| 619 | NK242-1 | PDGFRA | Pan-Specific | Platelet-derived growth | 0, 0 | 46010 | 22 | 12 | 0, 0 | 41257 | 4 | 12 | -10 | 1.42 | 1.37 | -0.05 | -0.18 | 7 | 9 | 9 | NP_006197.1 | P16234 |
| 620 | NK242-2 | PDGFRA | Pan-Specific | Platelet-derived growth | 0, 0 | 36176 | 12 | 12 | 0, 0 | 43015 | 1 | 12 | 19 | 1.28 | 1.39 | 0.11 | 0.40 | 11 | 9 | 9 | NP_006197.1 | P16234 |
| 621 | PK757 | PDGFRa | S847+pY849 | Platelet-derived growth | 0, 0 | 8417 | 22 | 10 | 0, 0 | 11757 | 22 | 10 | 40 | 0.45 | 0.63 | 0.18 | 0.64 | 15 | 9 | 9 | NP_006197.1 | P16234 |
| 622 | PK063 | PDGFRa | Y754 | Platelet-derived growth | 0, 0 | 8031 | 32 | 10 | 0, 0 | 6863 | 14 | 9 | -15 | 0.42 | 0.31 | -0.11 | -0.41 | 3 | 9 | 9 | NP_006197.1 | P16234 |
| 623 | PK758 | PDGFRa | Y762 | Platelet-derived growth | 0, 0 | 7580 | 12 | 10 | 0, 0 | 11262 | 4 | 10 | 49 | 0.39 | 0.60 | 0.21 | 0.77 | 2 | 9 | 4 | NP_006197.1 | P16234 |
| 624 | PK759 | PDGFRa | Y768 | Platelet-derived growth | 0, 0 | 2659 | 138 | 8 | 0, 0 | 2225 | 42 | 8 | -16 | -0.21 | -0.36 | -0.15 | -0.54 | 6 | 9 | 4 | NP_006197.1 | P16234 |
| 625 | NK243-1 | PDGFRB | Pan-Specific | Platelet-derived growth | 0, 0 | 5065 | 58 | 9 | 0, 0 | 3817 | 78 | 9 | -25 | 0.16 | -0.04 | -0.20 | -0.71 | 14 | 9 | 4 | NP_002600.1 | P09619 |
| 626 | NK243-3 | PDGFRB | Pan-Specific | Platelet-derived growth | 0, 0 | 9409 | 2 | 10 | 0, 0 | 19771 | 75 | 11 | 110 | 0.51 | 0.93 | 0.42 | 1.52 | 2 | 9 | 5 | NP_002600.1 | P09619 |
| 627 | PK065 | PDGFRb | Y716 | Platelet-derived growth | 0, 0 | 2812 | 10 | 8 | 0, 0 | 3560 | 31 | 9 | 27 | -0.18 | -0.08 | 0.10 | 0.35 | 10 | 9 | 4 | NP_032835 | P09619 |
| 628 | NN141-1 | PDI | Pan-specific | Protein disulfide-isome | 0, 0 | 21505 | 13 | 11 | 0, 0 | 21298 | 12 | 11 | -1 | 0.98 | 0.98 | -0.01 | -0.02 | 6 | 9 | 5 | NP_000909.2 | P07237 |
| 629 | NK126-2 | PDK1 | Pan-specific | 3-phosphoinositide-de | 0, 0 | 890 | 22 | 6 | 0, 0 | 2874 | 144 | 8 | 223 | -0.83 | -0.21 | 0.63 | 2.27 | 2 | 9 | 6 | NP_002604 | O15530 |
| 630 | NN179-1 | PDK1 | Pan-Specific | Pyruvate dehydrogena | 0, 0 | 38600 | 12 | 12 | 0, 0 | 46345 | 2 | 12 | 20 | 1.32 | 1.44 | 0.12 | 0.43 | 10 | 9 | 5 | NP_001265478.1 | Q15118 |
| 631 | NN179-2 | PDK1 | Pan-Specific | Pyruvate dehydrogena | 0, 0 | 21817 | 22 | 11 | 0, 0 | 19230 | 23 | 11 | -12 | 0.99 | 0.92 | -0.08 | -0.27 | 14 | 9 | 5 | NP_001265478.1 | Q15118 |
| 632 | NN180-1 | PDK2 | Pan-Specific | Pyruvate dehydrogena | 0, 0 | 34975 | 11 | 12 | 0, 0 | 39205 | 5 | 12 | 12 | 1.26 | 1.34 | 0.08 | 0.28 | 6 | 9 | 6 | NP_002602 | Q15119 |
| 633 | NN180-2 | PDK2 | Pan-Specific | Pyruvate dehydrogena | 0, 0 | 43078 | 56 | 12 | 0, 0 | 35866 | 5 | 12 | -17 | 1.38 | 1.29 | -0.10 | -0.35 | 10 | 9 | 6 | NP_002602 | Q15119 |
| 634 | NN181-1 | PDK3 | Pan-Specific | Pyruvate dehydrogena | 0, 0 | 1040 | 19 | 7 | 0, 0 | 1193 | 6 | 7 | 15 | -0.74 | -0.72 | 0.02 | 0.07 | 14 | 9 | 6 | NP_001135858.1 | Q15120 |
| 635 | NN181-2 | PDK3 | Pan-Specific | Pyruvate dehydrogena | 0, 0 | 39129 | 12 | 12 | 0, 0 | 45253 | 35 | 12 | 16 | 1.33 | 1.42 | 0.10 | 0.35 | 2 | 9 | 7 | NP_001135858.1 | Q15120 |
| 636 | NN178-2 | PDK4 | Pan-Specific | [Pyruvate dehydrogen | 0, 0 | 38417 | 3 | 12 | 0, 0 | 37331 | 23 | 12 | -3 | 1.32 | 1.31 | -0.01 | -0.02 | 6 | 9 | 7 | NP_002603.1 | Q16654 |
| 637 | NN178-3 | PDK4 | Pan-Specific | [Pyruvate dehydrogen | 0, 0 | 37281 | 0 | 12 | 0, 0 | 43441 | 6 | 12 | 17 | 1.30 | 1.40 | 0.10 | 0.36 | 10 | 9 | 7 | NP_002603.1 | Q16654 |
| 638 | PN061 | PED15 (PEA15) | S116 | Phosphoprotein-enrich | 0, 0 | 2029 | 38 | 8 | 0, 0 | 1772 | 5 | 7 | -13 | -0.36 | -0.49 | -0.13 | -0.47 | 14 | 9 | 7 | NP_003759 | Q15121 |
| 639 | NN088 | PERP | Pan-specific | p53-induced protein P | 0, 0 | 6504 | 26 | 9 | 0, 0 | 4437 | 54 | 9 | -32 | 0.30 | 0.05 | -0.25 | -0.91 | 2 | 9 | 8 | NP_071404 | Q9H230 |
| 640 | NN089 | PI3-Kinase | Pan-specific | Phosphatidylinositol 3- | 0, 0 | 1355 | 19 | 7 | 0, 0 | 597 | 121 | 6 | -56 | -0.59 | -1.13 | -0.54 | -1.96 | 6 | 9 | 8 | NP_852664 | P27986 |
| 641 | NK213 | PITSLRE | Pan-specific | PITSLRE serine/threo | 0, 0 | 2401 | 57 | 8 | 0, 0 | 2315 | 15 | 8 | -4 | -0.27 | -0.33 | -0.07 | -0.24 | 10 | 9 | 8 | NP_001278274.1 | P21127 |
| 642 | NK127-1 | PKA | Pan-specific | cAMP-dependent prot | 0, 0 | 384 | 24 | 5 | 0, 0 | 368 | 11 | 5 | -4 | -1.31 | -1.42 | -0.11 | -0.39 | 14 | 9 | 8 | NP_002721 | P17612 |
| 643 | PK067 | PKA Ca/b | T197 | cAMP-dependent prot | 0, 0 | 7780 | 13 | 10 | 0, 0 | 6167 | 15 | 9 | -21 | 0.40 | 0.25 | -0.16 | -0.57 | 2 | 9 | 9 | NP_002721 | P17612 |
| 644 | PK068 | PKA Cb | S338 | cAMP-dependent prot | 0, 0 | 1893 | 2 | 8 | 0, 0 | 3065 | 64 | 8 | 62 | -0.40 | -0.17 | 0.23 | 0.85 | 6 | 9 | 9 | NP_002722 | P22694 |
| 645 | PK069 | PKA R2a (PKR2) | S98 | cAMP-dependent prot | 0, 0 | 156 | 20 | 4 | 0, 0 | 193 | 28 | 4 | 24 | -1.83 | -1.80 | 0.03 | 0.09 | 10 | 9 | 9 | NP_523671 | P13861 |
| 646 | NK130-5 | PKB2-PCT | Pan-Specific | RAC-beta serine/threo | 0, 0 | 11474 | 66 | 10 | 0, 0 | 7541 | 17 | 10 | -34 | 0.63 | 0.36 | -0.26 | -0.95 | 14 | 9 | 9 | NP_001617 | P31751 |
| 647 | NK218 | PKC h | Pan-specific | Protein kinase C eta ty | 0, 0 | 1074 | 40 | 7 | 0, 0 | 2908 | 29 | 8 | 171 | -0.73 | -0.20 | 0.53 | 1.91 | 1 | 9 | 4 | NP_006246.2 | P24723 |
| 648 | NK132 | PKCa | Pan-specific | Protein-serine kinase | 0, 0 | 753 | 39 | 6 | 0, 0 | 813 | 14 | 6 | 8 | -0.93 | -0.95 | -0.02 | -0.09 | 5 | 9 | 4 | NP_002728 | P17252 |
| 649 | PK073 | PKCa | S657 | Protein-serine kinase | 0, 0 | 5228 | 10 | 9 | 0, 0 | 6129 | 20 | 9 | 17 | 0.18 | 0.24 | 0.06 | 0.23 | 9 | 9 | 4 | NP_002728 | P17252 |
| 650 | NK133-2 | PKCb | Pan-Specific | Protein-serine kinase | 0, 0 | 10630 | 30 | 10 | 0, 0 | 11104 | 25 | 10 | 4 | 0.58 | 0.59 | 0.01 | 0.04 | 13 | 9 | 4 | NP_002729 | P05771 |
| 651 | PK076-2 | PKCb 2 | T641 | Protein-serine kinase | 0, 0 | 2893 | 113 | 8 | 0, 0 | 2962 | 47 | 8 | 2 | -0.16 | -0.19 | -0.03 | -0.10 | 1 | 9 | 5 | NP_002729 | P05771 |
| 652 | NK133 | PKCb1 | Pan-specific | Protein-serine kinase | 0, 0 | 1219 | 19 | 7 | 0, 0 | 2104 | 7 | 8 | 73 | -0.65 | -0.39 | 0.26 | 0.96 | 5 | 9 | 5 | NP_002729 | P05771 |
| 653 | PK075-2 | PKCb1/2 | T500 | Protein-serine kinase | 0, 0 | 3765 | 6 | 9 | 0, 0 | 3016 | 6 | 8 | -20 | -0.01 | -0.18 | -0.17 | -0.61 | 9 | 9 | 5 | NP_002729 | P05771 |
| 654 | NK135 | PKCd | Pan-specific | Protein-serine kinase | 0, 0 | 6180 | 1 | 9 | 0, 0 | 8896 | 28 | 10 | 44 | 0.27 | 0.46 | 0.19 | 0.68 | 9 | 9 | 6 | NP_006245 | Q05655 |
| 655 | PK079-1 | PKCd | S645 | Protein-serine kinase | 0, 0 | 483 | 32 | 6 | 0, 0 | 522 | 13 | 6 | 8 | -1.18 | -1.21 | -0.03 | -0.11 | 5 | 9 | 6 | NP_006245 | Q05655 |
| 656 | PK080 | PKCd | S664 | Protein-serine kinase | 0, 0 | 2583 | 28 | 8 | 0, 0 | 1625 | 1 | 7 | -37 | -0.22 | -0.54 | -0.32 | -1.15 | 1 | 9 | 6 | NP_006245 | Q05655 |
| 657 | PK077-1 | PKCd | Y311 | Protein-serine kinase | 0, 0 | 10811 | 40 | 10 | 0, 0 | 9700 | 29 | 10 | -10 | 0.59 | 0.51 | -0.08 | -0.29 | 13 | 9 | 5 | NP_006245 | Q05655 |
| 658 | PK077-2 | PKCd | Y311 | Protein-serine kinase | 0, 0 | 20526 | 28 | 11 | 0, 0 | 16568 | 20 | 11 | -19 | 0.96 | 0.83 | -0.13 | -0.47 | 13 | 9 | 6 | NP_006245 | Q05655 |
| 659 | NK136 | PKCe | Pan-specific | Protein-serine kinase | 0, 0 | 1798 | 17 | 7 | 0, 0 | 4000 | 28 | 9 | 122 | -0.43 | -0.01 | 0.42 | 1.53 | 5 | 9 | 7 | NP_005391 | Q02156 |
| 660 | NK136-2 | PKCe | Pan-specific | Protein-serine kinase | 0, 0 | 1526 | 23 | 7 | 0, 0 | 2074 | 27 | 8 | 36 | -0.53 | -0.40 | 0.13 | 0.46 | 9 | 9 | 7 | NP_005391 | Q02156 |
| 661 | PK081-1 | PKCe | S729 | Protein-serine kinase | 0, 0 | 1114 | 43 | 7 | 0, 0 | 1078 | 28 | 7 | -3 | -0.70 | -0.78 | -0.08 | -0.29 | 13 | 9 | 7 | NP_005391 | Q02156 |
| 662 | PK081-2 | PKCe | S729 | Protein-serine kinase | 0, 0 | 671 | 18 | 6 | 0, 0 | 567 | 15 | 6 | -16 | -0.99 | -1.16 | -0.17 | -0.62 | 1 | 9 | 7 | NP_005391 | Q02156 |
| 663 | NK137 | PKCg | Pan-specific | Protein-serine kinase | 0, 0 | 2155 | 21 | 8 | 0, 0 | 2634 | 17 | 8 | 22 | -0.33 | -0.26 | 0.07 | 0.26 | 9 | 9 | 8 | NP_002730 | P05129 |
| 664 | PK082-1 | PKCg | T514 | Protein-serine kinase | 0, 0 | 6565 | 17 | 9 | 0, 0 | 5732 | 10 | 9 | -13 | 0.31 | 0.20 | -0.11 | -0.38 | 1 | 9 | 8 | NP_002730 | P05129 |
| 665 | PK082-2 | PKCg | T514 | Protein-serine kinase | 0, 0 | 17795 | 19 | 11 | 0, 0 | 15132 | 14 | 11 | -15 | 0.88 | 0.78 | -0.10 | -0.36 | 13 | 9 | 8 | NP_002730 | P05129 |
| 666 | PK083 | PKCg | T655 | Protein-serine kinase | 0, 0 | 8305 | 8 | 10 | 0, 0 | 7342 | 5 | 10 | -12 | 0.44 | 0.35 | -0.09 | -0.34 | 5 | 9 | 8 | NP_002730 | P05129 |
| 667 | PK084 | PKCg | T674 | Protein-serine kinase | 0, 0 | 10573 | 10 | 10 | 0, 0 | 8342 | 10 | 10 | -21 | 0.58 | 0.42 | -0.16 | -0.56 | 1 | 9 | 9 | NP_002730 | P05129 |
| 668 | PK085 | PKCh | T655 | Protein-serine kinase | 0, 0 | 11523 | 9 | 10 | 0, 0 | 10967 | 1 | 10 | -5 | 0.63 | 0.59 | -0.04 | -0.16 | 5 | 9 | 9 | NP_006246 | P24723 |
| 669 | NK138-1 | PKCl | Pan-specific | Protein-serine kinase | 0, 0 | 4027 | 23 | 9 | 0, 0 | 5632 | 20 | 9 | 40 | 0.03 | 0.19 | 0.16 | 0.59 | 13 | 9 | 9 | NP_002731 | P41743 |
| 670 | PK087 | PKCl | T555/T563 | Protein-serine kinase | 0, 0 | 1513 | 10 | 7 | 0, 0 | 1379 | 37 | 7 | -9 | -0.53 | -0.64 | -0.11 | -0.39 | 9 | 9 | 9 | NP_002731 | P41743 |
| 671 | PK092 | PKCm (PKD) | S738/S742 | Protein-serine kinase | 0, 0 | 1091 | 6 | 7 | 0, 0 | 1045 | 33 | 7 | -4 | -0.72 | -0.80 | -0.09 | -0.31 | 4 | 9 | 10 | NP_002733 | Q15139 |
| 672 | PK093-1 | PKCm (PKD) | S916 | Protein-serine kinase | 0, 0 | 4353 | 26 | 9 | 0, 0 | 2836 | 14 | 8 | -35 | 0.07 | -0.21 | -0.29 | -1.04 | 8 | 9 | 10 | NP_002733 | Q15139 |
| 673 | NK140 | PKCt | Pan-specific | Protein-serine kinase | 0, 0 | 2357 | 30 | 8 | 0, 0 | 2463 | 10 | 8 | 5 | -0.28 | -0.30 | -0.02 | -0.07 | 4 | 9 | 11 | NP_006248 | Q04759 |
| 674 | PK089-1 | PKCt | S676 | Protein-serine kinase | 0, 0 | 460 | 2 | 5 | 0, 0 | 1555 | 6 | 7 | 238 | -1.21 | -0.57 | 0.64 | 2.32 | 12 | 9 | 10 | NP_006248 | Q04759 |
| 675 | PK090-1 | PKCt | S695 | Protein-serine kinase | 0, 0 | 618 | 55 | 6 | 0, 0 | 939 | 27 | 7 | 52 | -1.04 | -0.87 | 0.18 | 0.63 | 16 | 9 | 10 | NP_006248 | Q04759 |
| 676 | NK141 | PKCz | Pan-specific | Protein-serine kinase | 0, 0 | 1273 | 17 | 7 | 0, 0 | 1161 | 11 | 7 | -9 | -0.63 | -0.74 | -0.11 | -0.41 | 8 | 9 | 11 | NP_002735 | Q05513 |
| 677 | NK142 | PKD (PKCm) | Pan-specific | Protein-serine kinase | 0, 0 | 1114 | 7 | 7 | 0, 0 | 1132 | 20 | 7 | 2 | -0.70 | -0.76 | -0.05 | -0.18 | 12 | 9 | 11 | NP_002733 | Q15139 |
| 678 | NK143 | PKG1 | Pan-specific | cGMP-dependent prot | 0, 0 | 351 | 60 | 5 | 0, 0 | 298 | 62 | 5 | -15 | -1.36 | -1.54 | -0.18 | -0.65 | 16 | 10 | 3 | NP_006249 | Q13976 |
| 679 | NK203 | PKG1b-NT | Pan-Specific | cGMP-dependent prot | 0, 0 | 4873 | 43 | 9 | 0, 0 | 5729 | 30 | 9 | 18 | 0.14 | 0.20 | 0.06 | 0.23 | 16 | 9 | 11 | NP_006249.1 | P14619 |
| 680 | NK148 | PKN | Pan-specific | Protein kinase C-relate | 0, 0 | 988 | 8 | 7 | 0, 0 | 1803 | 14 | 8 | 82 | -0.77 | -0.48 | 0.29 | 1.06 | 4 | 10 | 1 | NP_002732 | Q16512 |
| 681 | NK144-1 | PKR1 | Pan-specific | Double stranded RNA | 0, 0 | 143 | 71 | 4 | 0, 0 | 7184 | 59 | 10 | 4937 | -1.88 | 0.34 | 2.21 | 8.01 | 12 | 10 | 1 | NP_002750 | P19525 |
| 682 | PK132 | PKR1 | T446 | Double-stranded RNA | 0, 0 | 169 | 24 | 4 | 0, 0 | 146 | 0 | 4 | -14 | -1.78 | -1.96 | -0.18 | -0.67 | 8 | 10 | 1 | NP_002750 | P19525 |
| 683 | NN156 | PLC R(PLCg2) | Pan-specific | 1-phosphatidylinositol- | 0, 0 | 1384 | 17 | 7 | 0, 0 | 2701 | 59 | 8 | 95 | -0.58 | -0.24 | 0.34 | 1.23 | 16 | 10 | 1 | NP_002652.2 | P16885 |
| 684 | PN165 | PLCg1 | Y771 | 1-phosphatidylinositol- | 0, 0 | 308 | 18 | 5 | 0, 0 | 939 | 28 | 7 | 205 | -1.44 | -0.87 | 0.57 | 2.07 | 8 | 10 | 2 | NP_877963.1 | P19174 |
| 685 | PN144 | PLCg1 | Y783 | 1-phosphatidylinositol- | 0, 0 | 145 | 8 | 4 | 0, 0 | 190 | 30 | 4 | 31 | -1.87 | -1.81 | 0.06 | 0.21 | 4 | 10 | 2 | NP_877963.1 | P19174 |
| 686 | PN143 | PLCg2 | Y753 | 1-phosphatidylinositol- | 0, 0 | 429 | 111 | 5 | 0, 0 | 368 | 5 | 5 | -14 | -1.25 | -1.42 | -0.17 | -0.62 | 12 | 10 | 2 | NP_002652.2 | P16885 |
| 687 | NP009-2 | PP1/Ca (PP1a) | Pan-specific | Protein-serine phosph | 0, 0 | 14815 | 3 | 11 | 0, 0 | 12779 | 19 | 10 | -14 | 0.77 | 0.68 | -0.10 | -0.35 | 16 | 10 | 2 | NP_002699 | P62136 |
| 688 | NP010 | PP1/Cb (PP1b) | Pan-specific | Protein-serine phosph | 0, 0 | 26702 | 22 | 11 | 0, 0 | 26150 | 21 | 11 | -2 | 1.11 | 1.10 | -0.01 | -0.03 | 4 | 10 | 3 | NP_002700 | P62140 |
| 689 | NP011 | PP1/Cg (PP1g1) | Pan-specific | Protein-serine phosph | 0, 0 | 45310 | 4 | 12 | 0, 0 | 43894 | 25 | 12 | -3 | 1.41 | 1.41 | 0.00 | -0.02 | 8 | 10 | 3 | NP_002701 | P36873 |
| 690 | NP033 | PP2A B' (B56) | Pan-specific | Protein-serine phosph | 0, 0 | 16412 | 3 | 11 | 0, 0 | 20642 | 28 | 11 | 26 | 0.83 | 0.96 | 0.13 | 0.47 | 12 | 10 | 3 | NP_001186685.1 | Q15172 |
| 691 | NP012 | PP2A/Aa/b | Pan-specific | Protein-serine phosph | 0, 0 | 43813 | 3 | 12 | 0, 0 | 40495 | 3 | 12 | -8 | 1.39 | 1.36 | -0.03 | -0.12 | 4 | 10 | 4 | NP_002707 | P30153 |
| 692 | NP035 | PP2A/Bb | Pan-specific | Protein-serine phosph | 0, 0 | 56203 | 4 | 12 | 0, 0 | 49423 | 10 | 12 | -12 | 1.53 | 1.48 | -0.06 | -0.21 | 8 | 10 | 4 | NP_001258828.1 | Q00005 |
| 693 | NP032 | PP2A/Bg2 | Pan-specific | Protein-serine phosph | 0, 0 | 54111 | 14 | 12 | 0, 0 | 53962 | 9 | 12 | 0 | 1.51 | 1.53 | 0.02 | 0.06 | 12 | 10 | 4 | NP_001193923.1 | Q9Y2T4 |
| 694 | NP013-NP014 | PP2A/Ca | Pan-specific | Protein-serine phosph | 0, 0 | 655 | 30 | 6 | 0, 0 | 451 | 33 | 6 | -31 | -1.01 | -1.30 | -0.29 | -1.06 | 16 | 10 | 4 | NP_002706 | P67775 |
| 695 | NP015 | PP2B/Aa | Pan-specific | Protein-serine phosph | 0, 0 | 32705 | 15 | 12 | 0, 0 | 24803 | 5 | 11 | -24 | 1.22 | 1.07 | -0.16 | -0.57 | 3 | 9 | 10 | NP_000935 | Q08209 |
| 696 | NP018 | PP2Cd | Pan-specific | Protein-serine phosph | 0, 0 | 563 | 34 | 6 | 0, 0 | 364 | 94 | 5 | -35 | -1.09 | -1.43 | -0.33 | -1.20 | 7 | 9 | 10 | NP_110395 | O15297 |

Globally Normalized Signal
MIN MED MAX

%CFC
<-80% 0 >+200%

Z-ratio
<-1.5 0 >+1.5

SAMPLE DETAILS

Sample IDs: Control ID: Pooled Samples Larger
Treated ID: Pooled Samples Smaller

Globally Normalized Median (Control): 3433
Globally Normalized Median (Treated): 4055

| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Control | Globally Normalized - Control | %Error Range Control | Log2 (Intensity Corrected) - Control | Flag-Treated | Globally Normalized - Treated | %Error Range Treated | Log2 (Intensity Corrected) - Treated | %CFC (Treated from Control) | Z score (Control) | Z score (Treated) | Z-score Difference (Treated-Control) | Z-ratio (Treated, Control) | Block | Row | Column | Refseq | Uniprot Link |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 697 | NP019 | PP4/A'2 | Pan-specific | Protein-serine phosph | 0, 0 | 45533 | 3 | 12 | 0, 0 | 41310 | 4 | 12 | -9 | 1.41 | 1.37 | -0.04 | -0.16 | 11 | 9 | 10 | NP_005125 | Q8TF05 |
| 698 | NP020 | PP4C (X/C) | Pan-specific | Protein-serine phosph | 0, 0 | 39829 | 1 | 12 | 0, 0 | 35203 | 1 | 12 | -12 | 1.34 | 1.28 | -0.06 | -0.22 | 15 | 9 | 10 | NP_002711 | P60510 |
| 699 | NP020-2 | PP4C (X/C) | Pan-specific | Protein-serine phosph | 0, 0 | 53155 | 18 | 12 | 0, 0 | 49504 | 6 | 12 | -7 | 1.50 | 1.48 | -0.02 | -0.09 | 3 | 9 | 11 | NP_002711 | P60510 |
| 700 | NP021 | PP5/PPT | Pan-specific | Protein-serine phosph | 0, 0 | 532 | 17 | 6 | 0, 0 | 461 | 9 | 6 | -13 | -1.13 | -1.29 | -0.16 | -0.58 | 7 | 9 | 11 | NP_006238 | P53041 |
| 701 | PN532 | PPP1R11 | Y64 | Protein phosphatase 1 | 0, 0 | 3083 | 118 | 8 | 0, 0 | 1545 | 26 | 7 | -50 | -0.12 | -0.57 | -0.45 | -1.62 | 11 | 9 | 11 | NP_068778.1 | O60927 |
| 702 | PN062 | PRAS40 | T246 | Proline-rich Akt substr | 0, 0 | 1628 | 35 | 7 | 0, 0 | 1396 | 30 | 7 | -14 | -0.49 | -0.63 | -0.14 | -0.52 | 15 | 9 | 11 | NP_115751 | Q96B36 |
| 703 | NK149 | PRK2 | Pan-specific | Protein kinase C-relate | 0, 0 | 17130 | 3 | 11 | 0, 0 | 11951 | 8 | 10 | -30 | 0.86 | 0.64 | -0.22 | -0.79 | 3 | 10 | 1 | NP_006247 | Q16513 |
| 704 | NK149-2 | PRK2 | Pan-specific | Protein kinase C-relate | 0, 0 | 1256 | 2 | 7 | 0, 0 | 2329 | 0 | 8 | 85 | -0.64 | -0.33 | 0.31 | 1.11 | 7 | 10 | 1 | NP_006247 | Q16513 |
| 705 | NK048-4 | PRKDC (DNAPK) | Pan-Specific | DNA-activated protein | 0, 0 | 47335 | 2 | 12 | 0, 0 | 46545 | 4 | 12 | -2 | 1.44 | 1.44 | 0.00 | 0.02 | 11 | 10 | 1 | NP_001075109.1 | P78527 |
| 706 | NK048-5 | PRKDC (DNAPK | Pan-Specific | DNA-activated protein | 0, 0 | 35148 | 3 | 12 | 0, 0 | 43360 | 7 | 12 | 23 | 1.27 | 1.40 | 0.13 | 0.48 | 15 | 10 | 1 | NP_001075109.1 | P78527 |
| 707 | NK048-6 | PRKDC (DNAPK | Pan-Specific | DNA-activated protein | 0, 0 | 46880 | 14 | 12 | 0, 0 | 43481 | 2 | 12 | -7 | 1.43 | 1.40 | -0.03 | -0.11 | 3 | 10 | 2 | NP_001075109.1 | P78527 |
| 708 | NK048-7 | PRKDC (DNAPK | Pan-Specific | DNA-activated protein | 0, 0 | 39928 | 3 | 12 | 0, 0 | 44350 | 10 | 12 | 11 | 1.34 | 1.41 | 0.07 | 0.27 | 7 | 10 | 2 | NP_001075109.1 | P78527 |
| 709 | NK151 | PRKWNK4 | Pan-specific | Putative protein-serine | 0, 0 | 2062 | 5 | 8 | 0, 0 | 2850 | 10 | 8 | 38 | -0.35 | -0.21 | 0.14 | 0.52 | 11 | 10 | 2 | NP_115763 | Q96J92 |
| 710 | PN104 | Progesterone Receptor | S294 | Progesterone receptor | 0, 0 | 463 | 6 | 6 | 0, 0 | 550 | 46 | 6 | 19 | -1.21 | -1.18 | 0.02 | 0.08 | 15 | 10 | 2 | NP_000917 | P06401 |
| 711 | PK786 | PRP4K | Y849 | Protein-serine kinase I | 0, 0 | 3358 | 35 | 8 | 0, 0 | 3306 | 12 | 8 | -2 | -0.07 | -0.12 | -0.05 | -0.17 | 3 | 10 | 3 | NP_003904.3 | Q13523 |
| 712 | NN142 | PSD-95 | Pan-specific | Disks large homolog 4 | 0, 0 | 310 | 14 | 5 | 0, 0 | 1937 | 34 | 8 | 526 | -1.44 | -0.44 | 1.00 | 3.61 | 7 | 10 | 3 | NP_001356.1 | P78352 |
| 713 | NP023 | PTEN | Pan-specific | Phosphatidylinositol-3 | 0, 0 | 3599 | 12 | 8 | 0, 0 | 25090 | 58 | 11 | 597 | -0.04 | 1.07 | 1.11 | 4.02 | 15 | 10 | 4 | NP_000305 | P60484 |
| 714 | NP023-3 | PTEN | Pan-Specific | Phosphatidylinositol-3 | 0, 0 | 9447 | 63 | 10 | 0, 0 | 14249 | 70 | 11 | 51 | 0.52 | 0.74 | 0.23 | 0.82 | 3 | 10 | 4 | NP_000305.3 | P60484 |
| 715 | NP023-5 | PTEN | Pan-Specific | Phosphatidylinositol-3 | 0, 0 | 35773 | 5 | 12 | 0, 0 | 33261 | 5 | 12 | -7 | 1.28 | 1.24 | -0.03 | -0.12 | 7 | 10 | 4 | NP_000305.3 | P60484 |
| 716 | PP003 | PTEN | S380/S382/S385 | Phosphatidylinositol-3 | 0, 0 | 2750 | 5 | 8 | 0, 0 | 2356 | 6 | 8 | -14 | -0.19 | -0.32 | -0.13 | -0.48 | 15 | 10 | 3 | NP_000305 | P60484 |
| 717 | PP006 | PTEN | S380/T382/T383 | Phosphatidylinositol-3 | 0, 0 | 257 | 57 | 5 | 0, 0 | 347 | 36 | 5 | 35 | -1.54 | -1.45 | 0.09 | 0.32 | 11 | 10 | 3 | NP_000305 | P60484 |
| 718 | PP006-1 | PTEN | S380/T382/T383 | Phosphatidylinositol-3 | 0, 0 | 713 | 15 | 6 | 0, 0 | 755 | 7 | 6 | 6 | -0.96 | -0.99 | -0.04 | -0.13 | 11 | 10 | 4 | NP_000305 | P60484 |
| 719 | NP024 | PTP1B | Pan-specific | Protein-tyrosine phosp | 0, 0 | 1112 | 33 | 7 | 0, 0 | 1215 | 50 | 7 | 9 | -0.71 | -0.71 | -0.01 | -0.03 | 2 | 9 | 10 | NP_002818 | P18031 |
| 720 | NP025 | PTP1C | Pan-specific | Protein-tyrosine phosp | 0, 0 | 1225 | 3 | 7 | 0, 0 | 529 | 25 | 6 | -57 | -0.65 | -1.21 | -0.55 | -2.01 | 6 | 9 | 10 | NP_002822 | P29350 |
| 721 | NP026 | PTP1D/SHP2 | Pan-specific | Protein-tyrosine phosp | 0, 0 | 2148 | 0 | 8 | 0, 0 | 1270 | 36 | 7 | -41 | -0.33 | -0.69 | -0.36 | -1.29 | 10 | 9 | 10 | NP_002825 | Q06124 |
| 722 | NP036 | PTPD1 | Pan-specific | Protein-tyrosine phosp | 0, 0 | 16379 | 27 | 11 | 0, 0 | 13269 | 31 | 10 | -19 | 0.83 | 0.70 | -0.13 | -0.47 | 14 | 9 | 10 | NP_008970.2 | Q16825 |
| 723 | NP027 | PTP-PEST | Pan-specific | Protein tyrosine phosp | 0, 0 | 4726 | 42 | 9 | 0, 0 | 7382 | 18 | 10 | 56 | 0.12 | 0.35 | 0.23 | 0.84 | 2 | 9 | 11 | NP_001124480.1 | Q05209 |
| 724 | PG001 | PYK | pTyr | Generic phosphotyros | 0, 0 | 8650 | 148 | 10 | 0, 0 | 6809 | 76 | 9 | -21 | 0.47 | 0.30 | -0.16 | -0.58 | 6 | 9 | 11 | N/A | N/A |
| 725 | NK154 | Pyk2 | Pan-specific | Protein-tyrosine kinase | 0, 0 | 1855 | 83 | 8 | 0, 0 | 2338 | 25 | 8 | 26 | -0.41 | -0.33 | 0.09 | 0.31 | 14 | 9 | 11 | NP_004094 | Q14289 |
| 726 | PK097-3 | PYK2 | Y579 | Protein-tyrosine kinase | 0, 0 | 344 | 17 | 5 | 0, 0 | 347 | 9 | 5 | 1 | -1.37 | -1.45 | -0.08 | -0.29 | 10 | 9 | 11 | NP_004094 | Q14289 |
| 727 | PG005 | PYKSD8 | pTyr | Phosphotyrosine resid | 0, 0 | 28208 | 15 | 11 | 0, 0 | 21601 | 37 | 11 | -23 | 1.14 | 0.99 | -0.15 | -0.55 | 2 | 10 | 1 | N/A | N/A |
| 728 | NN092-1 | Rac1 | Pan-specific | Ras-related C3 botulin | 0, 0 | 784 | 39 | 6 | 0, 0 | 565 | 12 | 6 | -28 | -0.91 | -1.17 | -0.26 | -0.95 | 6 | 10 | 1 | NP_001782 | P63000 |
| 729 | PN063 | Rac1/cdc42 | S71 | Ras-related C3 botulin | 0, 0 | 1041 | 25 | 7 | 0, 0 | 890 | 24 | 7 | -14 | -0.74 | -0.90 | -0.15 | -0.56 | 10 | 10 | 1 | NP_008839 | P63000 |
| 730 | PN064 | Rad17 | S645 | Rad17 homolog | 0, 0 | 148 | 37 | 4 | 0, 0 | 150 | 31 | 4 | 2 | -1.86 | -1.95 | -0.09 | -0.33 | 14 | 10 | 1 | NP_579921 | O75943 |
| 731 | PK098 | Raf1 | S259 | Raf1 proto-oncogene- | 0, 0 | 182 | 48 | 4 | 0, 0 | 186 | 37 | 4 | 2 | -1.74 | -1.82 | -0.08 | -0.30 | 2 | 10 | 2 | NP_002871 | P04049 |
| 732 | NK155-4 | Raf-1 | Pan-specific | Rad17 homolog | 0, 0 | 3382 | 24 | 8 | 0, 0 | 1418 | 20 | 7 | -58 | -0.07 | -0.62 | -0.55 | -2.00 | 14 | 10 | 2 | NP_002871 | P04049 |
| 733 | NK155-5 | Raf-1 | Pan-Specific | Raf1 proto-oncogene- | 0, 0 | 26125 | 1 | 11 | 0, 0 | 34069 | 13 | 12 | 30 | 1.10 | 1.26 | 0.16 | 0.58 | 6 | 10 | 2 | NP_002871 | P04049 |
| 734 | NK155-6 | Raf-1 | Pan-Specific | Raf1 proto-oncogene- | 0, 0 | 14130 | 7 | 10 | 0, 0 | 6493 | 17 | 9 | -54 | 0.75 | 0.28 | -0.47 | -1.70 | 10 | 10 | 2 | NP_002871 | P04049 |
| 735 | NN093 | Rb | Pan-specific | Retinoblastoma-assoc | 0, 0 | 1039 | 35 | 7 | 0, 0 | 971 | 20 | 7 | -7 | -0.74 | -0.85 | -0.10 | -0.37 | 5 | 9 | 10 | NP_000312 | P06400 |
| 736 | PN113 | Rb | S608 | Retinoblastoma-assoc | 0, 0 | 2094 | 24 | 8 | 0, 0 | 2184 | 16 | 8 | 4 | -0.34 | -0.37 | -0.02 | -0.08 | 1 | 9 | 10 | NP_000312 | P06400 |
| 737 | PN066 | Rb | S612 | Retinoblastoma-assoc | 0, 0 | 20004 | 21 | 11 | 0, 0 | 15533 | 29 | 11 | -22 | 0.94 | 0.79 | -0.15 | -0.55 | 6 | 10 | 3 | NP_000312 | P06400 |
| 738 | PN067 | Rb | S780 | Retinoblastoma-assoc | 0, 0 | 2895 | 18 | 8 | 0, 0 | 3365 | 16 | 8 | 16 | -0.16 | -0.11 | 0.05 | 0.17 | 6 | 10 | 4 | NP_000312 | P06400 |
| 739 | PN131-1 | Rb | S795 | Retinoblastoma-assoc | 0, 0 | 657 | 114 | 6 | 0, 0 | 613 | 66 | 6 | -7 | -1.01 | -1.12 | -0.11 | -0.41 | 14 | 10 | 4 | NP_000312 | P06400 |
| 740 | PN068 | Rb | S807 | Retinoblastoma-assoc | 0, 0 | 6471 | 6 | 9 | 0, 0 | 6569 | 11 | 9 | 2 | 0.30 | 0.28 | -0.02 | -0.06 | 10 | 10 | 3 | NP_000312 | P06400 |
| 741 | PN069 | Rb | S807+S811 | Retinoblastoma-assoc | 0, 0 | 1518 | 24 | 7 | 0, 0 | 1685 | 38 | 7 | 11 | -0.53 | -0.52 | 0.01 | 0.03 | 10 | 10 | 4 | NP_000312 | P06400 |
| 742 | PN065 | Rb | T356 | Retinoblastoma-assoc | 0, 0 | 9358 | 37 | 10 | 0, 0 | 7428 | 31 | 10 | -21 | 0.51 | 0.36 | -0.15 | -0.56 | 2 | 10 | 3 | NP_000312 | P06400 |
| 743 | PN070 | Rb | T821 | Retinoblastoma-assoc | 0, 0 | 914 | 45 | 6 | 0, 0 | 659 | 8 | 6 | -28 | -0.82 | -1.08 | -0.26 | -0.93 | 14 | 10 | 3 | NP_000312 | P06400 |
| 744 | PN071 | Rb | T826 | Retinoblastoma-assoc | 0, 0 | 9549 | 10 | 10 | 0, 0 | 9387 | 12 | 10 | -2 | 0.52 | 0.49 | -0.03 | -0.10 | 2 | 10 | 4 | NP_000312 | P06400 |
| 745 | NN170 | RelB | Pan-specific | Transcription factor Re | 0, 0 | 106 | 40 | 3 | 0, 0 | 120 | 18 | 4 | 14 | -2.05 | -2.08 | -0.03 | -0.11 | 9 | 9 | 10 | NP_006500.2 | Q01201 |
| 746 | PN151 | RelB | S552 | Transcription factor Re | 0, 0 | 1299 | 164 | 7 | 0, 0 | 485 | 13 | 6 | -63 | -0.62 | -1.26 | -0.64 | -2.32 | 13 | 9 | 10 | NP_006500.2 | Q01201 |
| 747 | NK244-1 | Ret | Pan-Specific | Proto-oncogene tyrosi | 0, 0 | 31360 | 15 | 12 | 0, 0 | 37508 | 21 | 12 | 20 | 1.20 | 1.31 | 0.11 | 0.41 | 1 | 9 | 11 | NP_065681 | P07949 |
| 748 | NK244-2 | Ret | Pan-Specific | Proto-oncogene tyrosi | 0, 0 | 31968 | 11 | 12 | 0, 0 | 40109 | 32 | 12 | 25 | 1.21 | 1.35 | 0.14 | 0.51 | 5 | 9 | 11 | NP_065681 | P07949 |
| 749 | NK157 | RIP2/RICK | Pan-specific | Receptor-interacting s | 0, 0 | 1827 | 15 | 7 | 0, 0 | 1201 | 39 | 7 | -34 | -0.42 | -0.72 | -0.30 | -1.08 | 9 | 9 | 11 | NP_003812 | O43353 |
| 750 | NK158 | RIPK | Pan-specific | Receptor-interacting p | 0, 0 | 1305 | 86 | 7 | 0, 0 | 890 | 32 | 7 | -32 | -0.61 | -0.90 | -0.28 | -1.03 | 13 | 9 | 11 | NP_003795 | Q13546 |
| 751 | NK160 | ROCK-I/ROKb | Pan-specific | RhoA protein-serine ki | 0, 0 | 2715 | 8 | 8 | 0, 0 | 1826 | 6 | 8 | -33 | -0.20 | -0.47 | -0.28 | -1.00 | 1 | 10 | 1 | NP_005397 | Q13464 |
| 752 | NK159-1 | ROKa | Pan-specific | Rho-associated protei | 0, 0 | 860 | 3 | 6 | 0, 0 | 997 | 307 | 7 | 16 | -0.85 | -0.83 | 0.02 | 0.08 | 5 | 10 | 1 | NP_004841 | O75116 |
| 753 | NK159-2 | ROKa | Pan-specific | Rho-associated protei | 0, 0 | 1527 | 18 | 7 | 0, 0 | 2483 | 14 | 8 | 63 | -0.52 | -0.29 | 0.23 | 0.84 | 13 | 10 | 1 | NP_004841 | O75116 |
| 754 | NK161-2 | Ron | Pan-Specific | Macrophage-stimulatir | 0, 0 | 23955 | 8 | 11 | 0, 0 | 18415 | 23 | 11 | -23 | 1.05 | 0.89 | -0.15 | -0.56 | 1 | 10 | 2 | NP_002438 | Q04912 |
| 755 | NK161-3 | Ron | Pan-Specific | Macrophage-stimulatir | 0, 0 | 44795 | 4 | 12 | 0, 0 | 53148 | 15 | 12 | 19 | 1.40 | 1.52 | 0.11 | 0.42 | 5 | 10 | 2 | NP_002438 | Q04912 |
| 756 | PK800 | Ron | Y1238 | Macrophage-stimulatir | 0, 0 | 17697 | 16 | 11 | 0, 0 | 8710 | 10 | 10 | -51 | 0.87 | 0.45 | -0.42 | -1.53 | 9 | 10 | 2 | NP_002438 | Q04912 |
| 757 | NK161 | RONa | Pan-specific | Macrophage-stimulatir | 0, 0 | 1627 | 24 | 7 | 0, 0 | 935 | 19 | 7 | -43 | -0.49 | -0.87 | -0.38 | -1.38 | 13 | 10 | 2 | NP_002438 | Q04912 |
| 758 | NK163-3 | Ros | Pan-Specific | Orosomucoid 1 recept | 0, 0 | 42826 | 0 | 12 | 0, 0 | 41795 | 14 | 12 | -2 | 1.38 | 1.38 | 0.00 | -0.01 | 1 | 10 | 3 | NP_002935 | P08922 |
| 759 | NK163-4 | Ros | Pan-Specific | Orosomucoid 1 recept | 0, 0 | 57495 | 6 | 12 | 0, 0 | 68644 | 4 | 13 | 19 | 1.55 | 1.67 | 0.12 | 0.45 | 5 | 10 | 3 | NP_002935 | P08922 |
| 760 | NK164 | RSK1 | Pan-specific | Ribosomal S6 protein- | 0, 0 | 2411 | 20 | 8 | 0, 0 | 2991 | 10 | 8 | 24 | -0.26 | -0.18 | 0.08 | 0.30 | 9 | 10 | 3 | NP_002944 | Q15418 |
| 761 | PK099 | RSK1/2 | S221/S227 | Ribosomal S6 protein- | 0, 0 | 2381 | 14 | 8 | 0, 0 | 4142 | 40 | 9 | 74 | -0.27 | 0.01 | 0.28 | 1.02 | 13 | 10 | 3 | NP_002944 | Q15418 |
| 762 | PK100 | RSK1/2 | S363/S369 | Ribosomal S6 protein- | 0, 0 | 1331 | 9 | 7 | 0, 0 | 1220 | 0 | 7 | -8 | -0.60 | -0.71 | -0.11 | -0.39 | 1 | 10 | 4 | NP_002944 | Q15418 |
| 763 | PK100-2 | RSK1/2 | S363/S369 | Ribosomal S6 protein- | 0, 0 | 1818 | 13 | 7 | 0, 0 | 1967 | 21 | 8 | 8 | -0.43 | -0.43 | 0.00 | -0.01 | 9 | 10 | 4 | NP_002944 | Q15418 |
| 764 | PK101-2 | RSK1/2 | S380/S386 | Ribosomal S6 protein- | 0, 0 | 1218 | 23 | 7 | 0, 0 | 872 | 12 | 6 | -28 | -0.65 | -0.91 | -0.26 | -0.93 | 5 | 10 | 4 | NP_002944 | Q15418 |
| 765 | PK102 | RSK1/2/3 | T573 | Ribosomal S6 protein- | 0, 0 | 457 | 37 | 5 | 0, 0 | 551 | 41 | 6 | 20 | -1.21 | -1.18 | 0.03 | 0.11 | 13 | 10 | 4 | NP_002944 | Q15418 |
| 766 | PN073 | S6 | S235 | 40S ribosomal protein | 0, 0 | 584 | 4 | 6 | 0, 0 | 966 | 129 | 7 | 66 | -1.07 | -0.85 | 0.22 | 0.81 | 4 | 10 | 5 | NP_001001 | P62753 |
| 767 | PK147 | S6K | T412 | Ribosomal protein S6 | 0, 0 | 54 | 117 | 2 | 0, 0 | 57 | 19 | 3 | 5 | -2.43 | -2.52 | -0.09 | -0.34 | 8 | 10 | 5 | NP_003152 | P23443 |
| 768 | NK197 | SAPKb-NT | Pan-Specific | Jun N-terminus protei | 0, 0 | 35472 | 8 | 12 | 0, 0 | 35522 | 9 | 12 | 0 | 1.27 | 1.28 | 0.01 | 0.04 | 12 | 10 | 5 | NP_002744.1 | P53779 |
| 769 | NN133 | SG2NA | Pan-specific | Striatin-3 | 0, 0 | 14406 | 9 | 10 | 0, 0 | 9357 | 39 | 10 | -35 | 0.76 | 0.49 | -0.26 | -0.96 | 16 | 10 | 5 | XP_005267626.1 | Q13033 |
| 770 | PN074 | Shc1 | Y239?Y240 | SH2 domain-containin | 0, 0 | 9960 | 24 | 10 | 0, 0 | 7658 | 16 | 10 | -23 | 0.55 | 0.37 | -0.17 | -0.62 | 4 | 10 | 6 | NP_003020 | P29353 |
| 771 | PN161 | Shc1 | Y349 | SH2 domain-containin | 0, 0 | 243 | 18 | 5 | 0, 0 | 220 | 46 | 4 | -9 | -1.57 | -1.72 | -0.15 | -0.53 | 8 | 10 | 6 | NP_003020 | P29353 |
| 772 | NP044-2 | SHIP1 | Pan-Specific | Phosphatidylinositol-3 | 0, 0 | 15779 | 27 | 11 | 0, 0 | 5969 | 8 | 9 | -62 | 0.81 | 0.23 | -0.58 | -2.11 | 12 | 10 | 6 | NP_001017915.1 | Q92835 |
| 773 | NP045-1 | SHIP2 | Pan-Specific | Phosphatidylinositol-3 | 0, 0 | 22654 | 9 | 11 | 0, 0 | 24773 | 4 | 11 | 9 | 1.01 | 1.07 | 0.05 | 0.19 | 16 | 10 | 6 | NP_001558.3 | O15357 |
| 774 | NP026-2 | SHP2 | Pan-specific | Protein-tyrosine phosp | 0, 0 | 6247 | 31 | 9 | 0, 0 | 6309 | 15 | 9 | 1 | 0.28 | 0.26 | -0.02 | -0.07 | 8 | 10 | 7 | NP_002825 | Q06124 |
| 775 | PP004 | SHP2 | S576 | Protein-tyrosine phosp | 0, 0 | 2021 | 29 | 8 | 0, 0 | 1595 | 68 | 7 | -21 | -0.36 | -0.55 | -0.19 | -0.68 | 4 | 10 | 7 | NP_002825 | Q06124 |
| 776 | NK249-1 | SIK2 | Pan-Specific | Serine/threonine-prote | 0, 0 | 15561 | 4 | 11 | 0, 0 | 10875 | 5 | 10 | -30 | 0.80 | 0.58 | -0.22 | -0.79 | 12 | 10 | 7 | NP_056006.1 | Q9H0K1 |
| 777 | NK249-2 | SIK2 | Pan-Specific | Serine/threonine-prote | 0, 0 | 16001 | 12 | 11 | 0, 0 | 13461 | 4 | 10 | -16 | 0.82 | 0.71 | -0.11 | -0.40 | 16 | 10 | 7 | NP_056006.1 | Q9H0K1 |
| 778 | NK249-3 | SIK2 | Pan-Specific | Serine/threonine-prote | 0, 0 | 23858 | 16 | 11 | 0, 0 | 19136 | 19 | 11 | -20 | 1.04 | 0.91 | -0.13 | -0.47 | 4 | 10 | 8 | NP_056006.1 | Q9H0K1 |
| 779 | NK250-1 | SIK3 | Pan-Specific | Serine/threonine-prote | 0, 0 | 25731 | 11 | 11 | 0, 0 | 20910 | 2 | 11 | -19 | 1.09 | 0.97 | -0.12 | -0.43 | 8 | 10 | 8 | NP_001268677.1 | Q9Y2K2 |
| 780 | NK250-3 | SIK3 | Pan-Specific | Serine/threonine-prote | 0, 0 | 27270 | 7 | 11 | 0, 0 | 18583 | 2 | 11 | -32 | 1.12 | 0.90 | -0.22 | -0.81 | 12 | 10 | 8 | NP_001268677.1 | Q9Y2K2 |
| 781 | NN095 | Smac/DIABLO | Pan-specific | Second mitochondria- | 0, 0 | 575 | 13 | 6 | 0, 0 | 489 | 37 | 6 | -15 | -1.08 | -1.25 | -0.17 | -0.62 | 16 | 10 | 8 | NP_620308 | Q9NR28 |
| 782 | PN183 | Smad1 | S465 | Mothers against decap | 0, 0 | 433 | 9 | 5 | 0, 0 | 540 | 9 | 6 | 25 | -1.24 | -1.19 | 0.05 | 0.18 | 4 | 10 | 9 | NP_001003688.1 | Q15797 |
| 783 | PN184 | Smad2 | S467 | Mothers against decap | 0, 0 | 565 | 84 | 6 | 0, 0 | 654 | 50 | 6 | 16 | -1.09 | -1.08 | 0.01 | 0.04 | 8 | 10 | 9 | NP_001003652 | Q15796 |

Globally Normalized Signal

MIN MED MAX

%CFC

<-80% 0 >+200%

Z-ratio

<-1.5 0 >+1.5

SAMPLE DETAILS

Sample IDs: Control ID: Pooled Samples Larger
Treated ID: Pooled Samples Smaller

| | | | | | | Globally Normalized Median<br>3433 | | | | Globally Normalized Median<br>4055 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Serial No.** | **Antibody Codes** | **Target Protein Name** | **Phospho Site (Human)** | **Full Target Protein Name** | **Flag-Control** | **Globally Normalized - Control** | **%Error Range Control** | **Log2 (Intensity Corrected) - Control** | **Flag-Treated** | **Globally Normalized - Treated** | **%Error Range Treated** | **Log2 (Intensity Corrected) - Treated** | **%CFC (Treated from Control)** | **Z score (Control)** | **Z score (Treated)** | **Z-score Difference (Treated-Control)** | **Z-ratio (Treated, Control)** | **Block** | **Row** | **Column** | **Refseq** | **Uniprot Link** |
| 784 | PN185 | Smad2 | T220 | Mothers against decap | 0, 0 | 2075 | 15 | 8 | 0, 0 | 4174 | 47 | 9 | 101 | -0.35 | 0.02 | 0.36 | 1.32 | 12 | 10 | 9 | NP_001003652 | Q15796 |
| 785 | NN096 | Smad2/3 | Pan-specific | SMA- and mothers ag | 0, 0 | 1586 | 80 | 7 | 0, 0 | 643 | 62 | 6 | -59 | -0.50 | -1.09 | -0.59 | -2.12 | 16 | 10 | 9 | NP_005892 | Q15796 |
| 786 | PN125 | SMC1 | S957 | Structural maintenanc | 0, 0 | 18598 | 23 | 11 | 0, 0 | 14092 | 9 | 10 | -24 | 0.90 | 0.73 | -0.17 | -0.61 | 4 | 10 | 10 | NP_006297.2. | Q14683 |
| 787 | NK233-1 | SMG1 | Pan-Specific | Lambda/iota protein ki | 0, 0 | 68702 | 2 | 13 | 0, 0 | 58670 | 1 | 13 | -15 | 1.65 | 1.58 | -0.07 | -0.26 | 8 | 10 | 10 | NP_055907.3 | Q96Q15 |
| 788 | NK233-3 | SMG1 | Pan-Specific | Lambda/iota protein ki | 0, 0 | 43423 | 2 | 12 | 0, 0 | 43552 | 4 | 12 | 0 | 1.39 | 1.40 | 0.01 | 0.05 | 12 | 10 | 10 | NP_055907.3 | Q96Q15 |
| 789 | PN197 | NCA (a-Synuclei | S129 | Alpha-synuclein | 0, 0 | 501 | 89 | 6 | 0, 0 | 755 | 12 | 6 | 51 | -1.16 | -1.00 | 0.17 | 0.60 | 11 | 6 | 6 | NP_000336.1 | P37840 |
| 790 | NK251-1 | SNF1lK | Pan-Specific | Serine/threonine-prote | 0, 0 | 44022 | 3 | 12 | 0, 0 | 49477 | 12 | 12 | 12 | 1.39 | 1.48 | 0.08 | 0.30 | 16 | 10 | 10 | NP_775490.2 | P57059 |
| 791 | NK146-2 | Snk | Pan-specific | Polo-like protein kinas | 0, 0 | 1972 | 4 | 8 | 0, 0 | 3886 | 50 | 9 | 97 | -0.38 | -0.03 | 0.35 | 1.27 | 3 | 10 | 5 | NP_006613 | Q9NYY3 |
| 792 | NN145 | SOCS2 | Pan-specific | Suppressor of cytokine | 0, 0 | 3565 | 107 | 8 | 0, 0 | 6744 | 606 | 9 | 89 | -0.04 | 0.30 | 0.34 | 1.23 | 7 | 10 | 5 | NP_003868.1 | O14508 |
| 793 | NN097 | SOCS4 | Pan-specific | Suppressor of cytokine | 0, 0 | 8428 | 20 | 10 | 0, 0 | 2971 | 7 | 8 | -65 | 0.45 | -0.19 | -0.64 | -2.30 | 11 | 10 | 5 | NP_543143 | Q8WXH5 |
| 794 | NN098 | SOD (Cu/Zn) | Pan-specific | Superoxide dismutase | 0, 0 | 740 | 39 | 6 | 0, 0 | 521 | 4 | 6 | -30 | -0.94 | -1.21 | -0.28 | -1.00 | 15 | 10 | 5 | NP_000445 | Q6ND84 |
| 795 | NN099 | SODD | Pan-specific | Silencer of death dom | 0, 0 | 7386 | 18 | 9 | 0, 0 | 3076 | 0 | 8 | -58 | 0.37 | -0.17 | -0.54 | -1.96 | 3 | 10 | 6 | NP_004865 | O95429 |
| 796 | PN077 | SOX9 | S181 | SRY (sex determining | 0, 0 | 3396 | 1 | 8 | 0, 0 | 4101 | 39 | 9 | 21 | -0.07 | 0.00 | 0.07 | 0.27 | 7 | 10 | 6 | NP_000337 | P48436 |
| 797 | NN100 | SPHK1 | Pan-specific | Sphingosine kinase 1 | 0, 0 | 2382 | 28 | 8 | 0, 0 | 3136 | 17 | 8 | 32 | -0.27 | -0.15 | 0.12 | 0.42 | 11 | 10 | 6 | NP_892010 | Q9NYA1 |
| 798 | NN101 | SPHK2 | Pan-specific | Sphingosine kinase 2 | 0, 0 | 3001 | 16 | 8 | 0, 0 | 4466 | 11 | 9 | 49 | -0.14 | 0.06 | 0.19 | 0.70 | 15 | 10 | 6 | NP_064511 | Q9NRA0 |
| 799 | NK172-2 | Src | Pan-specific | Src proto-oncogene-e | 0, 0 | 59224 | 18 | 13 | 0, 0 | 68613 | 12 | 13 | 16 | 1.56 | 1.67 | 0.11 | 0.38 | 3 | 10 | 8 | NP_005408 | P12931 |
| 800 | NK172-3 | Src | Pan-specific | Src proto-oncogene-e | 0, 0 | 1499 | 20 | 7 | 0, 0 | 11653 | 64 | 10 | 677 | -0.54 | 0.62 | 1.16 | 4.19 | 11 | 10 | 7 | NP_005408 | P12931 |
| 801 | NK172-4 | Src | Pan-specific | Src proto-oncogene-e | 0, 0 | 736 | 17 | 6 | 0, 0 | 2552 | 26 | 8 | 246 | -0.94 | -0.28 | 0.67 | 2.41 | 15 | 10 | 7 | NP_005408 | P12931 |
| 802 | PK107 | Src | Y418 | Src proto-oncogene-e | 0, 0 | 1658 | 42 | 7 | 0, 0 | 1495 | 40 | 7 | -10 | -0.48 | -0.59 | -0.11 | -0.41 | 3 | 10 | 7 | NP_005408 | P12931 |
| 803 | PK108 | Src | Y529 | Src proto-oncogene-e | 0, 0 | 1192 | 60 | 7 | 0, 0 | 1246 | 3 | 7 | 5 | -0.67 | -0.70 | -0.03 | -0.12 | 7 | 10 | 7 | NP_005408 | P12931 |
| 804 | NN102-NN124 | STAT1 | Pan-specific | Signal transducer and | 0, 0 | 2586 | 122 | 8 | 0, 0 | 2510 | 49 | 8 | -3 | -0.22 | -0.29 | -0.06 | -0.22 | 11 | 10 | 8 | NP_009330 | P42224 |
| 805 | PN078-PN135 | STAT1 | S727 | Signal transducer and | 0, 0 | 750 | 19 | 6 | 0, 0 | 758 | 24 | 6 | 1 | -0.93 | -0.99 | -0.06 | -0.22 | 7 | 10 | 8 | NP_009330 | P42224 |
| 806 | PN079-PN136 | STAT1 | Y701 | Signal transducer and | 0, 0 | 1557 | 51 | 7 | 0, 0 | 3044 | 3 | 8 | 95 | -0.51 | -0.17 | 0.34 | 1.24 | 15 | 10 | 8 | NP_009330 | P42224 |
| 807 | NN103 | STAT2 | Pan-specific | Signal transducer and | 0, 0 | 4211 | 1 | 9 | 0, 0 | 3775 | 13 | 9 | -10 | 0.05 | -0.04 | -0.10 | -0.36 | 3 | 10 | 9 | NP_005410 | P52630 |
| 808 | PN080 | STAT2 | Y689 | Signal transducer and | 0, 0 | 229 | 119 | 4 | 0, 0 | 133 | 45 | 4 | -42 | -1.61 | -2.02 | -0.42 | -1.50 | 7 | 10 | 9 | NP_005410 | P52630 |
| 809 | NN104 | STAT3 | Pan-specific | Signal transducer and | 0, 0 | 2818 | 85 | 8 | 0, 0 | 4707 | 88 | 9 | 67 | -0.18 | 0.09 | 0.26 | 0.95 | 15 | 10 | 9 | NP_003141 | P40763 |
| 810 | PN082-1 | STAT3 | Y704 | Signal transducer and | 0, 0 | 6701 | 20 | 9 | 0, 0 | 5576 | 13 | 9 | -17 | 0.32 | 0.19 | -0.13 | -0.48 | 11 | 10 | 9 | NP_003141 | P40763 |
| 811 | NN117 | STAT4 | Pan-specific | Signal transducer and | 0, 0 | 1838 | 46 | 7 | 0, 0 | 1511 | 5 | 7 | -18 | -0.42 | -0.59 | -0.17 | -0.60 | 3 | 10 | 10 | NP_003142 | Q14765 |
| 812 | PN083-1 | STAT5 | Y694 | Signal transducer and | 0, 0 | 1332 | 243 | 7 | 0, 0 | 811 | 19 | 6 | -39 | -0.60 | -0.95 | -0.35 | -1.27 | 7 | 10 | 10 | NP_003143 | P42229 |
| 813 | NN105 | STAT5A | Pan-specific | Signal transducer and | 0, 0 | 3822 | 57 | 9 | 0, 0 | 2716 | 1 | 8 | -29 | 0.00 | -0.24 | -0.24 | -0.86 | 11 | 10 | 10 | NP_003143 | P42229 |
| 814 | PN119 | STAT5A | S780 | Signal transducer and | 0, 0 | 743 | 26 | 6 | 0, 0 | 1003 | 48 | 7 | 35 | -0.94 | -0.83 | 0.11 | 0.39 | 15 | 10 | 10 | NP_003143 | P42229 |
| 815 | NN106 | STAT5B | Pan-specific | Signal transducer and | 0, 0 | 741 | 5 | 6 | 0, 0 | 1992 | 57 | 8 | 169 | -0.94 | -0.42 | 0.52 | 1.87 | 2 | 10 | 5 | NP_036580 | P51692 |
| 816 | NN107 | STAT6 | Pan-specific | Signal transducer and | 0, 0 | 1176 | 2 | 7 | 0, 0 | 1714 | 50 | 7 | 46 | -0.67 | -0.51 | 0.16 | 0.59 | 6 | 10 | 5 | NP_003144 | P42226 |
| 817 | NN108 | STI1 | Pan-specific | Stress induced phosp | 0, 0 | 572 | 25 | 6 | 0, 0 | 353 | 32 | 5 | -38 | -1.09 | -1.44 | -0.36 | -1.30 | 10 | 10 | 5 | NP_006810 | P31948 |
| 818 | NN134 | Striatin | Pan-specific | Striatin | 1, 0 | 12578 | 4 | 10 | 1, 0 | 12598 | 33 | 10 | 0 | 0.68 | 0.67 | -0.01 | -0.04 | 14 | 10 | 5 | NP_003153.2 | O43815 |
| 819 | NK174 | Syk | Pan-specific | Spleen protein-tyrosin | 0, 0 | 9998 | 12 | 10 | 0, 0 | 8751 | 6 | 10 | -12 | 0.55 | 0.45 | -0.10 | -0.34 | 10 | 10 | 6 | NP_003168 | P43405 |
| 820 | PK159 | Syk | Y323 | Spleen protein-tyrosin | 0, 0 | 690 | 9 | 6 | 0, 0 | 217 | 10 | 4 | -69 | -0.98 | -1.73 | -0.75 | -2.73 | 6 | 10 | 6 | NP_003168 | P43405 |
| 821 | PK821 | Syk | Y323 | Spleen protein-tyrosin | 0, 0 | 3844 | 0 | 9 | 0, 0 | 7664 | 46 | 10 | 99 | 0.00 | 0.37 | 0.37 | 1.35 | 2 | 10 | 6 | NP_003168 | P43405 |
| 822 | NN171 | Synapsin 1 | Pan-specific | Synapsin 1 isoform Ia | 0, 0 | 394 | 934 | 5 | 0, 0 | 275 | 308 | 5 | -30 | -1.30 | -1.59 | -0.29 | -1.06 | 14 | 10 | 6 | NP_008881 | P17600 |
| 823 | PN111 | Synapsin 1 | S603 | Synapsin 1 isoform Ia | 0, 0 | 180 | 43 | 4 | 0, 0 | 307 | 64 | 5 | 71 | -1.75 | -1.53 | 0.22 | 0.79 | 2 | 10 | 7 | NP_008881 | P17600 |
| 824 | NK175-5 | TAK1 | Pan-specific | TGF-beta-activated pr | 0, 0 | 2031 | 212 | 8 | 0, 0 | 1961 | 64 | 8 | -3 | -0.36 | -0.43 | -0.07 | -0.25 | 6 | 10 | 7 | NP_663306 | O43318 |
| 825 | PN085 | Tau | S199 | Microtubule-associate | 0, 0 | 2602 | 18 | 8 | 0, 0 | 2229 | 10 | 8 | -14 | -0.22 | -0.36 | -0.13 | -0.49 | 10 | 10 | 7 | NP_005901 | P10636 |
| 826 | PN086 | Tau | S199/202 | Microtubule-associate | 0, 0 | 1162 | 23 | 7 | 0, 0 | 1387 | 20 | 7 | 19 | -0.68 | -0.64 | 0.04 | 0.16 | 14 | 10 | 7 | NP_005901 | P10636 |
| 827 | PN091 | Tau | S400 | Microtubule-associate | 0, 0 | 706 | 64 | 6 | 0, 0 | 657 | 33 | 6 | -7 | -0.97 | -1.08 | -0.11 | -0.40 | 6 | 10 | 8 | NP_005901 | P10636 |
| 828 | PN092 | Tau | S404 | Microtubule-associate | 0, 0 | 1273 | 28 | 7 | 0, 0 | 989 | 5 | 7 | -22 | -0.63 | -0.84 | -0.21 | -0.75 | 10 | 10 | 8 | NP_005901 | P10636 |
| 829 | PN107 | Tau | S422 | Microtubule-associate | 0, 0 | 2092 | 14 | 8 | 0, 0 | 2188 | 5 | 8 | 5 | -0.35 | -0.37 | -0.02 | -0.08 | 14 | 10 | 8 | NP_005901 | P10636 |
| 830 | PN090 | Tau | S713 | Microtubule-associate | 0, 0 | 982 | 30 | 7 | 0, 0 | 948 | 15 | 7 | -3 | -0.78 | -0.86 | -0.08 | -0.30 | 2 | 10 | 8 | NP_005901 | P10636 |
| 831 | PN090-2 | Tau | S713 | Microtubule-associate | 0, 0 | 627 | 0 | 6 | 0, 0 | 645 | 15 | 6 | 3 | -1.03 | -1.09 | -0.06 | -0.20 | 2 | 10 | 9 | NP_005901 | P10636 |
| 832 | PN121 | Tau | T205 | Microtubule-associate | 0, 0 | 540 | 3 | 6 | 0, 0 | 491 | 35 | 6 | -9 | -1.12 | -1.25 | -0.13 | -0.47 | 6 | 10 | 9 | NP_005901 | P10636 |
| 833 | PN122 | Tau | T231 | Microtubule-associate | 0, 0 | 328 | 30 | 5 | 0, 0 | 324 | 9 | 5 | -1 | -1.40 | -1.50 | -0.09 | -0.34 | 10 | 10 | 9 | NP_005901 | P10636 |
| 834 | NK220-2 | TBK1 | Pan-specific | Serine/threonine-prote | 0, 0 | 2246 | 35 | 8 | 0, 0 | 2612 | 13 | 8 | 16 | -0.30 | -0.26 | 0.04 | 0.15 | 14 | 10 | 9 | NP_037386 | Q9UHD2 |
| 835 | PK828 | TBK1 | S172 | Serine/threonine-prote | 0, 0 | 32295 | 21 | 12 | 0, 0 | 31054 | 20 | 12 | -4 | 1.22 | 1.20 | -0.02 | -0.06 | 2 | 10 | 10 | NP_037386 | Q9UHD2 |
| 836 | PK829 | TEC | Y519 | Tyrosine-protein kinas | 0, 0 | 20981 | 88 | 11 | 0, 0 | 27145 | 305 | 11 | 29 | 0.97 | 1.12 | 0.15 | 0.55 | 6 | 10 | 10 | NP_003206.2 | P42680 |
| 837 | NN110 | TRADD | Pan-specific | Tumor necrosis factor | 0, 0 | 2110 | 59 | 8 | 0, 0 | 1449 | 22 | 7 | -31 | -0.34 | -0.61 | -0.27 | -0.98 | 10 | 10 | 10 | NP_003789 | Q15628 |
| 838 | NN111 | Trail | Pan-specific | Tumor necrosis factor- | 0, 0 | 1370 | 14 | 7 | 0, 0 | 1131 | 5 | 7 | -17 | -0.59 | -0.76 | -0.17 | -0.61 | 14 | 10 | 10 | NP_003801 | P50591 |
| 839 | NK178 | TrkA | Pan-specific | Nerve growth factor (N | 0, 0 | 309 | 41 | 5 | 0, 0 | 491 | 50 | 6 | 59 | -1.44 | -1.25 | 0.19 | 0.68 | 1 | 10 | 5 | NP_002520 | P04629 |
| 840 | NK179 | TrkB | Pan-specific | BNDF/NT3/4/5 recept | 0, 0 | 1766 | 20 | 7 | 0, 0 | 2271 | 10 | 8 | 29 | -0.44 | -0.34 | 0.10 | 0.35 | 5 | 10 | 5 | NP_006171 | Q16620 |
| 841 | PK160 | TrkB | Y705 | BNDF/NT3/4/5 recept | 0, 0 | 2410 | 19 | 8 | 0, 0 | 3314 | 36 | 8 | 38 | -0.26 | -0.12 | 0.14 | 0.52 | 9 | 10 | 5 | NP_006171 | Q16620 |
| 842 | NK180 | TTK | Pan-specific | Dual specificity protein | 0, 0 | 2936 | 20 | 8 | 0, 0 | 4760 | 16 | 9 | 62 | -0.15 | 0.09 | 0.24 | 0.88 | 13 | 10 | 5 | AAA61239.1 | P33981 |
| 843 | CN002 | Tubulin | Pan-specific | Tubulin | 0, 0 | 9350 | 1 | 10 | 0, 0 | 7143 | 19 | 10 | -24 | 0.51 | 0.33 | -0.18 | -0.64 | 1 | 10 | 6 | NP_001061.2 | P23258 |
| 844 | NK181 | Tyk2 | Pan-specific | Protein-tyrosine kinase | 0, 0 | 841 | 38 | 6 | 0, 0 | 1413 | 0 | 7 | 68 | -0.87 | -0.62 | 0.24 | 0.87 | 1 | 10 | 7 | NP_003322 | P29597 |
| 845 | NK181-2 | Tyk2 | Pan-specific | Protein-tyrosine kinase | 0, 0 | 601 | 15 | 6 | 0, 0 | 2342 | 29 | 8 | 290 | -1.06 | -0.33 | 0.73 | 2.65 | 5 | 10 | 7 | NP_003322 | P29597 |
| 846 | NK181-3 | TYK2 | Pan-Specific | Protein-tyrosine kinase | 0, 0 | 35198 | 4 | 12 | 0, 0 | 33060 | 32 | 12 | -6 | 1.27 | 1.24 | -0.03 | -0.10 | 5 | 10 | 6 | NP_003322 | P29597 |
| 847 | NK181-4 | TYK2 | Pan-Specific | Protein-tyrosine kinase | 0, 0 | 27758 | 3 | 11 | 0, 0 | 16504 | 4 | 11 | -41 | 1.13 | 0.83 | -0.30 | -1.10 | 9 | 10 | 6 | NP_003322 | P29597 |
| 848 | NK181-5 | TYK2 | Pan-Specific | Protein-tyrosine kinase | 0, 0 | 61721 | 4 | 13 | 0, 0 | 69214 | 8 | 13 | 12 | 1.59 | 1.67 | 0.09 | 0.32 | 13 | 10 | 6 | NP_003322 | P29597 |
| 849 | NK183-1 | Tyro10 | Pan-specific | Neurotrophic receptor- | 0, 0 | 1251 | 39 | 7 | 0, 0 | 900 | 7 | 7 | -28 | -0.64 | -0.89 | -0.25 | -0.91 | 9 | 10 | 7 | NP_006173 | Q16832 |
| 850 | PN093-1 | Tyrosine Hydroxylase | S40 | Tyrosine hydroxylase i | 0, 0 | 124 | 33 | 4 | 0, 0 | 126 | 29 | 4 | 2 | -1.96 | -2.05 | -0.09 | -0.34 | 13 | 10 | 7 | NP_954986 | P07101 |
| 851 | PN543 | VAV1 | Y826 | Vav 1 guanine nucleot | 0, 0 | 2062 | 3 | 8 | 0, 0 | 2932 | 10 | 8 | 42 | -0.35 | -0.19 | 0.16 | 0.58 | 1 | 10 | 8 | NP_001245135.1 | P15498 |
| 852 | NN176 | VEGF-C | Pan-Specific | Vascular endothelial g | 0, 0 | 2273 | 14 | 8 | 0, 0 | 2327 | 20 | 8 | 2 | -0.30 | -0.33 | -0.03 | -0.12 | 5 | 10 | 8 | NP_005420.1 | P49767 |
| 853 | PK161 | VEGFR2 | Y1059 | Vascular endothelial g | 0, 0 | 1437 | 198 | 7 | 0, 0 | 1017 | 19 | 7 | -29 | -0.56 | -0.82 | -0.26 | -0.94 | 9 | 10 | 8 | NP_002244 | P35968 |
| 854 | PK133 | VEGFR2 | Y1214 | Vascular endothelial g | 0, 0 | 176 | 33 | 4 | 0, 0 | 259 | 40 | 5 | 47 | -1.76 | -1.63 | 0.13 | 0.47 | 13 | 10 | 8 | NP_002244 | P35968 |
| 855 | NK226-2 | VGFR1 | Pan-Specific | Vascular endothelial g | 0, 0 | 39758 | 8 | 12 | 0, 0 | 42781 | 23 | 12 | 8 | 1.34 | 1.39 | 0.05 | 0.20 | 1 | 10 | 9 | NP_001153392.1 | P17948 |
| 856 | NK245-2 | VGFR2 | Pan-Specific | Vascular endothelial g | 0, 0 | 26516 | 14 | 11 | 0, 0 | 28323 | 21 | 11 | 7 | 1.10 | 1.15 | 0.04 | 0.15 | 5 | 10 | 9 | NP_002244 | P35968 |
| 857 | NK245-3 | VGFR2 | Pan-Specific | Vascular endothelial g | 0, 0 | 40208 | 16 | 12 | 0, 0 | 35924 | 19 | 12 | -11 | 1.34 | 1.29 | -0.06 | -0.20 | 9 | 10 | 9 | NP_002244 | P35968 |
| 858 | NK064-2 | VGFR3 | Pan-Specific | Vascular endothelial g | 0, 0 | 31067 | 6 | 12 | 0, 0 | 33237 | 21 | 12 | 7 | 1.19 | 1.24 | 0.05 | 0.17 | 13 | 10 | 9 | NP_002011.2 | P35916 |
| 859 | NK064-3 | VGFR3 | Pan-Specific | Vascular endothelial g | 0, 0 | 51360 | 2 | 12 | 0, 0 | 50985 | 4 | 12 | -1 | 1.48 | 1.49 | 0.01 | 0.04 | 1 | 10 | 10 | NP_002011.2 | P35916 |
| 860 | NP030 | VHR | Pan-specific | Dual specificity protein | 0, 0 | 374 | 0 | 5 | 0, 0 | 290 | 28 | 5 | -22 | -1.33 | -1.56 | -0.23 | -0.84 | 5 | 10 | 10 | NP_004081 | P51452 |
| 861 | PN544 | VIM | Y117 | Vimentin | 0, 0 | 2755 | 11 | 8 | 0, 0 | 3349 | 5 | 8 | 22 | -0.19 | -0.11 | 0.07 | 0.26 | 9 | 10 | 10 | NP_003371.2 | P08670 |
| 862 | PN094 | Vimentin | S33 | Vimentin | 0, 0 | 418 | 107 | 5 | 0, 0 | 310 | 14 | 5 | -26 | -1.26 | -1.52 | -0.26 | -0.93 | 13 | 10 | 10 | NP_003371.2 | P08670 |
| 863 | NK185 | Wee1 | Pan-Specific | Wee1 protein-tyrosine | 0, 0 | 24973 | 9 | 11 | 0, 0 | 20468 | 6 | 11 | -18 | 1.07 | 0.95 | -0.12 | -0.42 | 4 | 10 | 11 | NP_003381 | P30291 |
| 864 | NP037 | Wip1 | Pan-specific | Protein phosphatase 1 | 0, 0 | 719 | 3 | 6 | 0, 0 | 1024 | 24 | 7 | 42 | -0.95 | -0.81 | 0.14 | 0.51 | 8 | 10 | 11 | NP_003611.1 | O15297 |
| 865 | NK252-1 | WNK1 | Pan-Specific | Serine/threonine-prote | 0, 0 | 34773 | 9 | 12 | 0, 0 | 29639 | 1 | 12 | -15 | 1.26 | 1.17 | -0.09 | -0.31 | 12 | 10 | 11 | NP_001171914.1 | Q9H4A3 |
| 866 | PK855 | WNK1 | S382 | Serine/threonine-prote | 0, 0 | 11128 | 80 | 10 | 0, 0 | 10618 | 5 | 10 | -5 | 0.61 | 0.57 | -0.04 | -0.15 | 3 | 10 | 11 | NP_001171914.1 | Q9H4A3 |
| 867 | NK253-3 | WNK2 | Pan-Specific | Serine/threonine-prote | 0, 0 | 17409 | 3 | 11 | 0, 0 | 10182 | 2 | 10 | -42 | 0.86 | 0.54 | -0.32 | -1.17 | 7 | 10 | 11 | NP_001269323.1 | Q9Y3S1 |
| 868 | NK254-1 | WNK3 | Pan-Specific | Serine/threonine-prote | 0, 0 | 33310 | 10 | 12 | 0, 0 | 32698 | 3 | 12 | -2 | 1.23 | 1.23 | 0.00 | -0.01 | 11 | 10 | 11 | NP_001002838.1 | Q9BYP7 |
| 869 | NK254-3 | WNK3 | Pan-Specific | Serine/threonine-prote | 0, 0 | 36382 | 1 | 12 | 0, 0 | 30674 | 1 | 12 | -16 | 1.29 | 1.19 | -0.09 | -0.33 | 15 | 10 | 11 | NP_001002838.1 | Q9BYP7 |
| 870 | NK186 | Yes | Pan-specific | Yamaguchi sarcoma p | 0, 0 | 5815 | 3 | 9 | 0, 0 | 8220 | 33 | 10 | 41 | 0.24 | 0.42 | 0.18 | 0.64 | 2 | 10 | 11 | NP_005424 | P07947 |

Globally Normalized Signal
MIN MED MAX

%CFC
<-80% 0 >+200%

Z-ratio
<-1.5 0 >+1.5

SAMPLE DETAILS

Sample IDs:
Control ID: Pooled Samples Larger
Treated ID: Pooled Samples Smaller

Globally Normalized Median (Control): 3433

Globally Normalized Median (Treated): 4055

| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Control | Globally Normalized - Control | %Error Range Control | Log2 (Intensity Corrected) - Control | Flag-Treated | Globally Normalized - Treated | %Error Range Treated | Log2 (Intensity Corrected) - Treated | %CFC (Treated from Control) | Z score (Control) | Z score (Treated) | Z-score Difference (Treated-Control) | Z-ratio (Treated, Control) | Block | Row | Column | Refseq | Uniprot Link |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 871 | NK186-2 | Yes | Pan-specific | Yamaguchi sarcoma p | 0, 0 | 251 | 21 | 5 | 0, 0 | 319 | 58 | 5 | 27 | -1.55 | -1.50 | 0.05 | 0.18 | 6 | 10 | 11 | NP_005424 | P07947 |
| 872 | NK214 | YSK1 | Pan-specific | Serine/threonine-prote | 0, 0 | 6380 | 10 | 9 | 0, 0 | 11299 | 2 | 10 | 77 | 0.29 | 0.60 | 0.31 | 1.13 | 10 | 10 | 11 | NP_006365.2 | O00506 |
| 873 | NK256-2 | YSK4 | Pan-Specific | SPS1/STE20-related | 0, 0 | 18243 | 25 | 11 | 0, 0 | 17363 | 20 | 11 | -5 | 0.89 | 0.86 | -0.03 | -0.12 | 14 | 10 | 11 | NP_001018054.1 | Q56UN5 |
| 874 | NK187 | ZAP70 | Pan-specific | Zeta-chain (TCR) assc | 0, 0 | 1058 | 44 | 7 | 0, 0 | 2329 | 21 | 8 | 120 | -0.73 | -0.33 | 0.40 | 1.47 | 5 | 10 | 11 | NP_003168 | P43403 |
| 875 | NK187-2 | ZAP70 | Pan-specific | Zeta-chain (TCR) assc | 0, 0 | 1595 | 1 | 7 | 0, 0 | 2581 | 35 | 8 | 62 | -0.50 | -0.27 | 0.23 | 0.84 | 1 | 10 | 11 | NP_003168 | P43403 |
| 876 | NK188-1 | ZIPK | Pan-specific | ZIP kinase (death ass | 0, 0 | 3626 | 35 | 8 | 0, 0 | 6255 | 13 | 9 | 73 | -0.03 | 0.25 | 0.29 | 1.03 | 13 | 10 | 11 | NP_001339 | O43293 |
| 877 | NK188-2 | ZIPK | Pan-specific | ZIP kinase (death ass | 0, 0 | 3799 | 15 | 9 | 0, 0 | 4003 | 20 | 9 | 5 | 0.00 | -0.01 | -0.01 | -0.02 | 9 | 10 | 11 | NP_001339 | O43293 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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# Appendix G
# Individual Microarray

## Full Analysis: 10 Individual Wounds

| | | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 1545 | 1490 | 1864 | 1726 | 2278 | | | | | | | | | 1597 | 1688 | 1753 | 1745 | 1646 | | | | | | | | | | |
| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Patient 1-Smaller | Flag-Patient 2-Smaller | Flag-Patient 3-Smaller | Flag-Patient 4-Smaller | Flag-Patient 5-Smaller | Globally Normalized - Patient 1-Smaller | Globally Normalized - Patient 2-Smaller | Globally Normalized - Patient 3-Smaller | Globally Normalized - Patient 4-Smaller | Globally Normalized - Patient 5-Smaller | Average - Smaller | S. Dev. - Smaller | %.S.Dev. Smaller | Flag-Patient 1-Bigger | Flag-Patient 2-Bigger | Flag-Patient 3-Bigger | Flag-Patient 4-Bigger | Flag-Patient 5-Bigger | Globally Normalized - Patient 1-Bigger | Globally Normalized - Patient 2-Bigger | Globally Normalized - Patient 3-Bigger | Globally Normalized - Patient 4-Bigger | Globally Normalized - Patient 5-Bigger | Average - Larger | S. Dev. - Larger | %.S.Dev. - Larger | %CFC - Average Larger from Average Smaller | Student T test p value | Block | Row | Column | Refseq | Uniprot Link |
| 155 | PK577 | Chk1 | S280 | Checkpoint protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6219 | 9903 | 6968 | 9721 | 5347 | 7631 | 1854 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10693 | 9884 | 11201 | 20139 | 9705 | 12324 | 3945 | 32 | 61 | .048 | 6 | 6 | 10 | NP_001265 | O14757 |
| 140 | PK569 | CDK4 | T172 | Cyclin-dependent protein-serine kinase 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7622 | 9927 | 6490 | 6607 | 8019 | 7733 | 1242 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10281 | 13001 | 12514 | 10086 | 11812 | 11539 | 1171 | 10 | 49 | .003 | 3 | 7 | 1 | NP_000066 | P11802 |
| 608 | PK752 | PAK4 | S474 | p21-activated kinase 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7031 | 7379 | 4949 | 5025 | 3820 | 5641 | 1351 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11708 | 9182 | 7054 | 10901 | 7056 | 9180 | 1918 | 21 | 63 | .010 | 3 | 9 | 7 | NP_001014831.1 | O96013 |
| 702 | NK149 | PRK2 | Pan-specific | Protein kinase C-related protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3256 | 6331 | 7132 | 6179 | 3695 | 5319 | 1546 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6257 | 8650 | 10248 | 7436 | 9055 | 8329 | 1371 | 16 | 57 | .011 | 3 | 10 | 1 | NP_006247 | Q16513 |
| 332 | NN049 | Grp94 | Pan-specific | Glucose regulated protein 94 (endoplasmin) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2777 | 3855 | 1607 | 2503 | 2209 | 2590 | 742 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4259 | 3548 | 3183 | 4993 | 5337 | 4264 | 820 | 19 | 65 | .045 | 7 | 8 | 2 | NP_003290 | P14625 |
| 795 | NN099 | SODD | Pan-specific | Silencer of death domains (Bcl2 associated athanogene 4 (BAG4)) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1477 | 2277 | 2097 | 3103 | 2347 | 2260 | 521 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2021 | 3729 | 4131 | 5196 | 3241 | 3663 | 1044 | 28 | 62 | .010 | 3 | 10 | 6 | NP_004865 | O95429 |
| 664 | PK083 | PKCg | T655 | Protein-serine kinase C gamma | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1430 | 1712 | 1018 | 1309 | 990 | 1292 | 269 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2490 | 2918 | 2109 | 2523 | 1397 | 2287 | 514 | 22 | 77 | .003 | 5 | 9 | 8 | NP_002730 | P05129 |
| 348 | PN100 | Histone H3 | T11 | Histone H3.3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1099 | 1342 | 1162 | 1665 | 828 | 1219 | 277 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1278 | 1828 | 2419 | 2367 | 1539 | 1886 | 449 | 24 | 55 | .019 | 6 | 7 | 11 | NP_003521 | P84243 |
| 528 | NP007 | MKP2 | Pan-specific | MAP kinase phosphatase  2 (VH2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 646 | 553 | 896 | 1213 | 651 | 792 | 239 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 994 | 857 | 1194 | 2442 | 2043 | 1506 | 624 | 41 | 90 | .044 | 6 | 8 | 9 | NP_001385 | Q13115 |
| 734 | NN093 | Rb | Pan-specific | Retinoblastoma-associated protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 564 | 441 | 863 | 1015 | 490 | 674 | 225 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1109 | 1385 | 1803 | 1642 | 1580 | 1504 | 239 | 16 | 123 | .001 | 5 | 9 | 10 | NP_000312 | P06400 |
| 718 | NP024 | PTP1B | Pan-specific | Protein-tyrosine phosphatase 1B | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 818 | 279 | 1042 | 1192 | 750 | 816 | 312 | 38 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 1175 | 1027 | 1597 | 1603 | 2028 | 1486 | 354 | 24 | 82 | .016 | 2 | 9 | 10 | NP_002818 | P18031 |
| 438 | PN163 | Jun | T91 | Jun proto-oncogene-encoded AP1 transcription factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 938 | 593 | 1013 | 995 | 972 | 902 | 157 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1028 | 1269 | 1546 | 1524 | 1541 | 1381 | 205 | 15 | 53 | .009 | 2 | 8 | 4 | NP_002219 | P05412 |
| 400 | NK079 | Insulin Receptor b | Pan-specific | Insulin receptor beta chain | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 665 | 795 | 807 | 1260 | 350 | 775 | 293 | 38 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 930 | 899 | 1510 | 1614 | 1322 | 1255 | 294 | 23 | 62 | .038 | 4 | 8 | 7 | NP_000199 | P06213 |
| 874 | NK187 | ZAP70 | Pan-specific | Zeta-chain (TCR) associated protein-tyrosine kinase, 70 kDa | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 599 | 359 | 419 | 493 | 357 | 445 | 91 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1203 | 944 | 1340 | 1239 | 1165 | 1178 | 131 | 11 | 165 | .000 | 5 | 10 | 11 | NP_003168 | P43403 |
| 642 | PK068 | PKA Cb | S338 | cAMP-dependent protein-serine kinase catalytic subunit beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 662 | 976 | 469 | 692 | 348 | 629 | 215 | 34 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 808 | 1333 | 1116 | 834 | 715 | 961 | 229 | 24 | 53 | .023 | 6 | 9 | 9 | NP_002722 | P22694 |
| 535 | NN069 | MSH2 | Pan-specific | DNA mismatch repair protein mutS homolog2, colon cancer, nonpolyposis type 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 182 | 524 | 373 | 621 | 447 | 430 | 149 | 35 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 702 | 1192 | 964 | 671 | 625 | 831 | 216 | 26 | 93 | .030 | 2 | 8 | 11 | NP_000242 | P43246 |
| 871 | NK186-2 | Yes | Pan-specific | Yamaguchi sarcoma proto-oncogene-encoded tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 325 | 688 | 286 | 714 | 214 | 445 | 212 | 48 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 600 | 961 | 1088 | 744 | 742 | 827 | 174 | 21 | 86 | .044 | 6 | 10 | 11 | NP_005424 | P07947 |
| 548 | PN182 | MyoD | S200 | Myoblast determination protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 399 | 364 | 644 | 714 | 555 | 535 | 136 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 490 | 647 | 835 | 1003 | 1106 | 816 | 226 | 28 | 52 | .022 | 6 | 9 | 3 | NP_002469.2 | P15172 |
| 362 | PN042-1 | Hsp27 | S86 | Heat shock 27 kDa protein beta 1 (HspB1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 459 | 425 | 332 | 566 | 336 | 423 | 87 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 846 | 1003 | 737 | 595 | 763 | 789 | 134 | 17 | 86 | .016 | 5 | 7 | 8 | NP_001531 | P04792 |
| 513 | PK055-1 | Met | 1230/Y1234/Y123 | Hepatocyte growth factor (HGF) receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 418 | 471 | 477 | 542 | 234 | 428 | 105 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 686 | 1076 | 950 | 589 | 420 | 744 | 239 | 32 | 74 | .034 | 7 | 8 | 10 | NP_000236.2 | P08581 |
| 312 | PN195 | FKHR | S319 | Forkhead box protein O1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 427 | 216 | 602 | 661 | 457 | 473 | 155 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 371 | 578 | 798 | 934 | 941 | 724 | 220 | 30 | 53 | .050 | 7 | 7 | 8 | NP_002006.2 | Q12778 |
| 817 | NN108 | STI1 | Pan-specific | Stress induced phosphoprotein 1 (Hsc70/Hsp90 organizing protein (Hop)) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 548 | 428 | 225 | 377 | 243 | 364 | 120 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 674 | 634 | 726 | 626 | 589 | 650 | 47 | 7 | 78 | .012 | 10 | 10 | 5 | NP_006810 | P31948 |
| 435 | PN154 | Jun | S243 | Jun proto-oncogene-encoded AP1 transcription factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 320 | 202 | 369 | 662 | 380 | 386 | 152 | 39 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 294 | 466 | 758 | 809 | 834 | 632 | 215 | 34 | 64 | .046 | 10 | 8 | 3 | NP_002219 | P05412 |
| 172 | NN027 | COX2 | Pan-specific | Cyclo-oxygenase 2 (prostaglandin G/H synthase 2 precursor) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 194 | 159 | 412 | 328 | 332 | 285 | 94 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 454 | 578 | 817 | 440 | 722 | 602 | 148 | 25 | 111 | .006 | 5 | 6 | 8 | NP_000954 | P35354 |
| 243 | NN039-1 | eIF4E | Pan-specific | Eukaryotic translation initiation factor 4 (mRNA cap binding protein) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 371 | 297 | 259 | 334 | 124 | 277 | 85 | 31 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 513 | 656 | 826 | 562 | 259 | 563 | 186 | 33 | 103 | .024 | 10 | 7 | 3 | NP_001959 | P06730 |
| 336 | PK028-PK029-1 | GSK3a/b | Y279/Y216 | Glycogen synthase-serine kinase 3 alpha/beta | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 281 | 319 | 251 | 331 | 260 | 289 | 32 | 11 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 308 | 420 | 501 | 540 | 644 | 483 | 113 | 24 | 67 | .035 | 6 | 7 | 8 | NP_063937 | P49840 |
| 356 | NN055 | HSF4 | Pan-specific | Heat shock transcription factor 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 133 | 222 | 219 | 311 | 130 | 203 | 67 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 416 | 593 | 620 | 416 | 342 | 477 | 109 | 23 | 135 | .007 | 6 | 8 | 2 | NP_003521 | P84243 |
| 699 | NP021 | PP5/PPT | Pan-specific | Protein-serine phosphatase 5  - catalytic subunit (PPT) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 200 | 179 | 354 | 317 | 186 | 247 | 73 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 419 | 573 | 575 | 423 | 341 | 466 | 93 | 20 | 89 | .011 | 7 | 9 | 11 | NP_006238 | P53041 |
| 748 | NK157 | RIP2/RICK | Pan-specific | Receptor-interacting serine/threonine-protein kinase 2 (RIPK2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 267 | 262 | 154 | 305 | 127 | 223 | 69 | 31 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 463 | 401 | 511 | 303 | 576 | 451 | 93 | 21 | 102 | .046 | 9 | 9 | 11 | NP_003812 | O43353 |
| 540 | NK115 | MST3 | Pan-specific | Mammalian STE20-like protein-serine kinase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 97 | 126 | 119 | 180 | 108 | 126 | 29 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 369 | 620 | 299 | 339 | 359 | 397 | 114 | 29 | 216 | .010 | 6 | 9 | 1 | NP_003567 | Q9Y6E0 |
| 183 | NK044 | Csk | Pan-specific | C-terminus of Src tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 145 | 167 | 118 | 96 | 146 | 134 | 25 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 496 | 567 | 400 | 102 | 409 | 395 | 159 | 40 | 194 | .019 | 5 | 6 | 11 | NP_004374 | P41240 |
| 428 | NK217 | JNK1 | Pan-specific | Jun N-terminus protein-serine kinase (stress-activated protein kinase (SAPK)) 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 120 | 385 | 137 | 226 | 100 | 193 | 105 | 54 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 164 | 669 | 548 | 298 | 247 | 385 | 191 | 50 | 99 | .049 | 11 | 8 | 8 | NP_620637.1 | P45983 |
| 58 | PN009 | B23 (NPM) | T234/237 | B23 (nucleophosmin, numatrin, nucleolar protein NO38) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 189 | 277 | 37 | 192 | 140 | 167 | 78 | 47 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 369 | 555 | 376 | 300 | 326 | 385 | 89 | 23 | 131 | .006 | 10 | 6 | 3 | NP_002511 | P06748 |
| 245 | PN030-2 | eIF4E | S209 | Eukaryotic translation initiation factor 4 (mRNA cap binding protein) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 143 | 198 | 165 | 363 | 207 | 215 | 77 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 225 | 417 | 354 | 339 | 366 | 340 | 63 | 19 | 58 | .046 | 6 | 7 | 3 | NP_001959 | P06730 |
| 124 | NN024 | CDC42 | Pan-specific | Cell division control protein 42 homolog | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 131 | 287 | 173 | 150 | 107 | 170 | 63 | 37 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 239 | 272 | 379 | 340 | 307 | 307 | 50 | 16 | 81 | .031 | 11 | 6 | 8 | NP_001782 | P60953 |
| 737 | PN067 | Rb | S780 | Retinoblastoma-associated protein 1 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 276 | 244 | 170 | 604 | 282 | 315 | 150 | 47 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 328 | 310 | 814 | 970 | 627 | 610 | 261 | 43 | 93 | .055 | 6 | 10 | 4 | NP_000312 | P06400 |
| 233 | PK122-1 | EGFR | Y1068 | Epidermal growth factor receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 418 | 433 | 328 | 361 | 245 | 357 | 68 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 441 | 1013 | 614 | 534 | 1020 | 724 | 245 | 34 | 103 | .055 | 7 | 7 | 6 | NP_005219 | P00533 |
| 413 | PK126 | JAK1 | Y1022 | Janus protein-tyrosine kinase 1 | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 352 | 314 | 719 | 1678 | 995 | 811 | 500 | 62 | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 522 | 813 | 1610 | 1730 | 2156 | 1366 | 606 | 44 | 68 | .058 | 7 | 8 | 4 | NP_002218 | P23458 |
| 643 | PK069 | PKA R2a (PKR2) | S98 | cAMP-dependent protein-serine kinase regulatory type 2 subunit alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 388 | 368 | 898 | 713 | 838 | 641 | 223 | 35 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 526 | 548 | 1187 | 1061 | 1778 | 1020 | 463 | 45 | 59 | .060 | 10 | 9 | 9 | NP_523671 | P13861 |
| 57 | PN008 | B23 (NPM) | T199 | B23 (nucleophosmin, numatrin, nucleolar protein NO38) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 159 | 425 | 99 | 181 | 140 | 201 | 115 | 57 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 462 | 668 | 536 | 93 | 345 | 421 | 194 | 46 | 110 | .063 | 6 | 6 | 3 | NP_002511 | P06748 |
| 446 | PK038 | Kit | Y936 | Mast/stem cell growth factor receptor Kit | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 20 | 10 | 917 | 35 | 861 | 369 | 425 | 115 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1545 | 8 | 1011 | 1650 | 2032 | 1249 | 701 | 56 | 239 | .065 | 2 | 8 | 6 | NP_006566 | P10721 |
| 42 | NN121 | Arrestin b | Pan-specific | Arrestin beta 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 455 | 513 | 245 | 402 | 180 | 359 | 126 | 35 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 425 | 627 | 993 | 802 | 818 | 733 | 193 | 26 | 104 | .065 | 11 | 6 | 5 | NP_004032 | P49407 |
| 835 | PK828 | TBK1 | S172 | Serine/threonine-protein kinase TBK1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6056 | 8183 | 4317 | 5940 | 4529 | 5805 | 1384 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12686 | 9262 | 6662 | 10574 | 4451 | 8727 | 2895 | 33 | 50 | .074 | 2 | 10 | 10 | NP_037386 | Q9UHD2 |
| 803 | PK108 | Src | Y529 | Src proto-oncogene-encoded protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 602 | 652 | 600 | 380 | 362 | 519 | 123 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 499 | 830 | 1277 | 721 | 967 | 859 | 259 | 30 | 65 | .076 | 7 | 10 | 7 | NP_005408 | P12931 |
| 66 | PK164 | Bcr | Y177 | Breakpoint cluster region protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 240 | 281 | 385 | 268 | 245 | 284 | 53 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 257 | 330 | 519 | 417 | 604 | 425 | 125 | 29 | 50 | .076 | 10 | 6 | 5 | NP_004318.3 | P11274 |
| 127 | NK025-2 | CDK1 | Pan-specific | Cyclin-dependent protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 870 | 650 | 1013 | 1593 | 605 | 946 | 356 | 38 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 914 | 829 | 2406 | 2031 | 1441 | 1524 | 616 | 40 | 61 | .077 | 7 | 6 | 9 | NP_001777 | P06493 |
| 765 | PK101-2 | RSK1/2 | S380/S386 | Ribosomal S6 protein-serine kinase 1/2 | 1, 1 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 19 | 10 | 53 | 27 | 171 | 56 | 59 | 106 | 1, 1 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 472 | 596 | 11 | 366 | 208 | 331 | 204 | 62 | 494 | .084 | 5 | 10 | 4 | NP_002944 | Q15418 |
| 533 | PK057 | Mnk1 | T197+T202 | MAP kinase-interacting protein-serine kinase 1 (calmodulin-activated) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 32 | 36 | 32 | 83 | 105 | 58 | 30 | 53 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 53 | 64 | 110 | 94 | 110 | 86 | 24 | 27 | 50 | .091 | 10 | 8 | 10 | NP_003675 | Q9BUB5 |
| 727 | NN092-1 | Rac1 | Pan-specific | Ras-related C3 botulinum toxin substrate 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 138 | 410 | 355 | 452 | 133 | 297 | 136 | 46 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 678 | 636 | 554 | 335 | 428 | 526 | 128 | 24 | 77 | .095 | 6 | 10 | 1 | NP_001782 | P63000 |
| 493 | NK102 | MEK3b | Pan-specific | MAPK/ERK protein-serine kinase 3 beta isoform (MKK3 beta) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 186 | 82 | 146 | 224 | 99 | 147 | 53 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 258 | 557 | 536 | 228 | 178 | 351 | 161 | 46 | 138 | .099 | 8 | 9 | 1 | NP_659731 | P46734 |
| 434 | NN162 | Jun | Pan-specific | Jun proto-oncogene-encoded AP1 transcription factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 297 | 275 | 227 | 203 | 147 | 230 | 53 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 220 | 375 | 492 | 327 | 445 | 372 | 95 | 26 | 62 | .102 | 10 | 8 | 4 | NP_002219 | P05412 |
| 826 | PN086 | Tau | S199/202 | Microtubule-associated protein tau | 0, 0 | 1, 1 | 1, 1 | 1, 1 | 0, 0 | 38 | 65 | 699 | 13 | 114 | 186 | 259 | 139 | 0, 0 | 1, 1 | 1, 1 | 1, 1 | 0, 0 | 577 | 26 | 675 | 327 | 717 | 464 | 258 | 56 | 150 | .109 | 14 | 10 | 7 | NP_005901 | P10636 |
| 536 | PK058 | Msk1 | S376 | Mitogen & stress-activated protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 31 | 41 | 35 | 50 | 39 | 39 | 6 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 30 | 35 | 123 | 96 | 91 | 75 | 36 | 49 | 91 | .113 | 6 | 8 | 11 | NP_004746 | O75582 |
| 235 | PK010 | EGFR | Y1148 | Epidermal growth factor receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 605 | 772 | 1085 | 1020 | 593 | 815 | 205 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 879 | 2075 | 1389 | 967 | 1061 | 1274 | 436 | 34 | 56 | .114 | 3 | 7 | 6 | NP_005219 | P00533 |
| 601 | PN187 | p95 NBS1 | S343 | Nijmegen breakage syndrome protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 307 | 590 | 474 | 642 | 361 | 475 | 128 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 457 | 478 | 1113 | 813 | 922 | 757 | 255 | 34 | 59 | .114 | 3 | 9 | 5 | NP_002476.2 | O60934 |
| 455 | PK041 | Lck | Y505 | Lymphocyte-specific protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 570 | 860 | 116 | 432 | 134 | 423 | 279 | 66 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 553 | 1022 | 893 | 555 | 428 | 690 | 227 | 33 | 63 | .122 | 6 | 8 | 8 | NP_005347 | P06239 |
| 613 | PN060-1 | Paxillin 1 | Y118 | Paxillin 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1291 | 720 | 1291 | 1259 | 1153 | 1143 | 218 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1063 | 2157 | 1604 | 1538 | 2222 | 1717 | 429 | 25 | 50 | .127 | 7 | 9 | 8 | NP_002850 | P49023 |
| 444 | PK150 | Kit | Y721 | Mast/stem cell growth factor receptor Kit | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 297 | 282 | 551 | 475 | 550 | 431 | 119 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 198 | 463 | 1084 | 968 | 605 | 664 | 326 | 49 | 54 | .132 | 10 | 8 | 6 | NP_006566 | P10721 |
| 123 | NN023 | Cdc34 | Pan-specific | Cell division cycle 34 (ubiquitin-conjugating ligase) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 704 | 742 | 1239 | 1568 | 884 | 1027 | 330 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1410 | 1121 | 1363 | 1639 | 2896 | 1686 | 627 | 37 | 64 | .139 | 7 | 6 | 8 | NP_004350 | P49427 |
| 237 | PK011-1 | EGFR | Y1197 | Epidermal growth factor receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 356 | 285 | 387 | 863 | 414 | 461 | 206 | 45 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 294 | 629 | 1135 | 771 | 1009 | 767 | 296 | 39 | 66 | .145 | 7 | 7 | 5 | NP_005219 | P00533 |
| 825 | PN085 | Tau | S199 | Microtubule-associated protein tau | 0, 0 | 0, 0 | 1, 1 | 1, 1 | 1,1 | 505 | 820 | 456 | 992 | 310 | 617 | 251 | 41 | 0, 0 | 0, 0 | 1, 1 | 1, 1 | 0, 0 | 606 | 1747 | 1557 | 505 | 1194 | 1122 | 496 | 44 | 82 | .169 | 10 | 10 | 7 | NP_005901 | P10636 |
| 411 | PN045 | IRS1 | Y612 | Insulin receptor substrate 1 | 1, 1 | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 724 | 322 | 288 | 283 | 45 | 332 | 219 | 66 | 1, 1 | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 720 | 471 | 836 | 192 | 419 | 528 | 228 | 43 | 59 | .174 | 15 | 8 | 3 | NP_005535 | P35568 |
| 173 | NK043 | CPG16/CaMKinase VI | Pan-specific | Serine/threonine-protein kinase DCAMKL1 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 352 | 216 | 280 | 342 | 420 | 322 | 69 | 21 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 266 | 669 | 610 | 343 | 511 | 480 | 154 | 32 | 49 | .195 | 9 | 6 | 8 | NP_004725 | O15075 |
| 165 | NN026 | Cofilin | Pan-specific | Cofilin 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 653 | 245 | 1133 | 1616 | 565 | 842 | 480 | 57 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 829 | 937 | 861 | 1669 | 2360 | 1331 | 600 | 45 | 58 | .248 | 10 | 7 | 1 | NP_005498 | P23528 |
| 253 | PN173 | Ephrin-B2 | Y316 | EPH-related receptor tyrosine kinase ligand 5 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 167 | 83 | 376 | 430 | 250 | 261 | 128 | 49 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 157 | 89 | 515 | 477 | 901 | 428 | 290 | 68 | 64 | .248 | 10 | 7 | 5 | NP_004084.1 | P52799 |
| 808 | PN080 | STAT2 | Y689 | Signal transducer and activator of transcription 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1,1 | 222 | 199 | 254 | 1103 | 196 | 395 | 355 | 90 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 327 | 469 | 2138 | 484 | 1601 | 1004 | 729 | 73 | 154 | .252 | 7 | 10 | 9 | NP_005410 | P52630 |
| 110 | NN186 | CD63 | Pan-specific | CF63 Antigen | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5385 | 7137 | 5760 | 4368 | 3594 | 5249 | 1213 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 17129 | 5375 | 8744 | 4643 | 5404 | 8259 | 4657 | 56 | 57 | .265 | 4 | 6 | 11 | NP_001244318.1 | P08962 |
| 828 | PN092 | Tau | S404 | Microtubule-associated protein tau | 1, 1 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 387 | 871 | 262 | 694 | 196 | 482 | 259 | 54 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 33 | 1217 | 1116 | 605 | 795 | 753 | 422 | 56 | 56 | .287 | 10 | 10 | 8 | NP_005901 | P10636 |
| 439 | PN155 | Jun | Y170 | Jun proto-oncogene-encoded AP1 transcription factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1,1 | 79 | 138 | 505 | 250 | 231 | 241 | 146 | 61 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1,1 | 110 | 182 | 518 | 828 | 233 | 374 | 266 | 71 | 56 | .296 | 14 | 8 | 3 | NP_002219 | P05412 |
| 711 | NN142 | PSD-95 | Pan-specific | Disks large homolog 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2363 | 1284 | 2280 | 3093 | 1403 | 2085 | 669 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1205 | 1801 | 3817 | 3187 | 8431 | 3688 | 2549 | 69 | 77 | .323 | 7 | 10 | 3 | NP_001356.1 | P78352 |
| 408 | PN117 | IRS1 | S312 | Insulin receptor substrate 1 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 189 | 494 | 412 | 640 | 395 | 426 | 147 | 34 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 216 | 310 | 717 | 618 | 2997 | 971 | 1030 | 106 | 128 | .353 | 7 | 8 | 3 | NP_005535 | P35568 |
| 850 | PN093-1 | Tyrosine Hydroxylase | S40 | Tyrosine hydroxylase isoform a | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 39 | 27 | 38 | 60 | 86 | 50 | 21 | 42 | 0, 0 | 1, 1 | 1, 1 | 1, 1 | 0, 0 | 21 | 29 | 48 | 1359 | 48 | 301 | 529 | 176 | 501 | .392 | 13 | 10 | 7 | NP_954986 | P07101 |
| 766 | PK102 | RSK1/2/3 | T573 | Ribosomal S6 protein-serine kinase 1/2/3 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 57 | 53 | 79 | 68 | 134 | 78 | 29 | 38 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 35 | 57 | 70 | 1089 | 89 | 268 | 411 | 153 | 243 | .413 | 13 | 10 | 4 | NP_002944 | Q15418 |
| 838 | NN111 | Trail | Pan-specific | Tumor necrosis factor-related apoptosis-inducing ligand | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 19 | 9 | 16 | 19 | 79 | 29 | 25 | 89 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 9 | 10 | 11 | 663 | 28 | 144 | 259 | 180 | 406 | .431 | 14 | 10 | 10 | NP_003801 | P50591 |
| 227 | NN175 | EFNA5 | Pan-specific | Ephrin-A5 | 1, 1 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 451 | 27 | 881 | 820 | 1078 | 651 | 372 | 57 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 1106 | 2412 | 970 | 949 | 159 | 1119 | 727 | 65 | 72 | .437 | 3 | 7 | 5 | NP_001953.1 | P52803 |
| 193 | PN026 | Dab1 | Y198 | Disabled homolog 1 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 72 | 12 | 34 | 51 | 132 | 60 | 41 | 68 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 18 | 465 | 27 | 36 | 76 | 124 | 172 | 138 | 107 | .547 | 16 | 7 | 2 | NP_066566 | O75553 |
| 728 | PN063 | Rac1/cdc42 | S71 | Ras-related C3 botulinum toxin substrate 1 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 249 | 370 | 452 | 456 | 374 | 380 | 75 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 370 | 641 | 705 | 291 | 820 | 565 | 202 | 36 | 49 | .142 | 10 | 10 | 1 | NP_008839 | P63000 |
| 244 | PN030-1 | eIF4E | S209 | Eukaryotic translation initiation factor 4 (mRNA cap binding protein) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 839 | 1199 | 765 | 914 | 640 | 871 | 187 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1820 | 1735 | 1330 | 835 | 755 | 1295 | 441 | 34 | 49 | .085 | 2 | 7 | 3 | NP_001959 | P06730 |
| 820 | PK159 | Syk | Y323 | Spleen protein-tyrosine kinase | 1, 1 | 1, 1 | 1, 1 | 1, 1 | 1,1 | 521 | 357 | 632 | 1269 | 554 | 667 | 315 | 47 | 1, 1 | 1, 1 | 1, 1 | 1, 1 | 1,1 | 583 | 518 | 942 | 1416 | 1491 | 990 | 406 | 41 | 49 | .111 | 6 | 10 | 6 | NP_003168 | P43405 |
| 130 | PK007-1 | CDK1/2 | Y15 | Cyclin-dependent protein-serine kinase 1/2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 254 | 149 | 438 | 450 | 260 | 310 | 116 | 37 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 254 | 371 | 497 | 492 | 681 | 459 | 142 | 31 | 48 | .129 | 7 | 6 | 10 | NP_001777 | P06493 |
| 760 | PK157 | RSK1 | S352 | Ribosomal S6 protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 756 | 555 | 1260 | 973 | 809 | 871 | 236 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 498 | 509 | 1571 | 1647 | 2192 | 1283 | 672 | 52 | 47 | .227 | 11 | 9 | 4 | NP_002944 | Q15418 |
| 837 | NN110 | TRADD | Pan-specific | Tumor necrosis factor receptor type 1 associated DEATH domain protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1163 | 1159 | 1133 | 1593 | 801 | 1170 | 252 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1190 | 1410 | 2181 | 1470 | 2347 | 1719 | 457 | 27 | 47 | .162 | 10 | 10 | 10 | NP_003789 | Q15628 |
| 733 | PK098 | Raf1 | S259 | Raf1 proto-oncogene-encoded protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 35 | 36 | 42 | 60 | 90 | 53 | 21 | 39 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 60 | 75 | 94 | 82 | 76 | 77 | 11 | 14 | 47 | .090 | 2 | 10 | 2 | NP_002871 | P04049 |
| 365 | NN058 | Hsp47 | Pan-specific | Heat shock 47 kDa protein (collagen-binding protein 1, colligin 1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1764 | 1018 | 2747 | 1604 | 2542 | 1935 | 634 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1904 | 1447 | 1754 | 3868 | 5198 | 2834 | 1457 | 51 | 46 | .258 | 9 | 7 | 9 | NP_001226 | P29043 |
| 861 | PN544 | VIM | Y117 | Vimentin | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2814 | 1788 | 2482 | 2412 | 2062 | 2311 | 355 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2653 | 3007 | 3051 | 5463 | 2691 | 3373 | 1057 | 31 | 46 | .122 | 9 | 10 | 10 | NP_003371.2 | P08670 |
| 217 | NP039-2 | DUSP5 | Pan-specific | Dual specificity protein phosphatase 5 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6071 | 5635 | 7305 | 8174 | 8948 | 7227 | 1244 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5274 | 7275 | 11125 | 10725 | 18261 | 10532 | 4436 | 42 | 46 | .121 | 11 | 7 | 2 | NP_004410.3 | Q16690 |
| 236 | PK010-2 | EGFR | Y1148 | Epidermal growth factor receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 851 | 761 | 872 | 813 | 595 | 778 | 99 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 956 | 1139 | 917 | 1197 | 1435 | 1129 | 186 | 16 | 45 | .067 | 7 | 7 | 7 | NP_005219 | P00533 |
| 47 | PN115 | ATF2 | S94/S112 | Activating transcription factor 2 (CRE-BP1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 119 | 94 | 183 | 393 | 245 | 207 | 107 | 52 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 140 | 386 | 371 | 330 | 269 | 299 | 89 | 30 | 45 | .226 | 2 | 6 | 1 | NP_001871 | P15336 |
| 62 | NN006-1 | BCL | Pan-specific | B-cell lymphoma protein 2 alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 91 | 118 | 167 | 192 | 169 | 148 | 37 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 110 | 158 | 244 | 256 | 299 | 213 | 69 | 32 | 45 | .026 | 10 | 6 | 4 | NP_000624 | P10415 |
| 549 | PN052 | MYPT1 | T696 | Myosin phosphatase target 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 616 | 475 | 738 | 807 | 800 | 687 | 127 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 509 | 570 | 1224 | 1144 | 1520 | 993 | 391 | 39 | 45 | .102 | 10 | 9 | 3 | NP_446342 | O14974 |
| 61 | NK257-1 | BCKD (BCKDK) | Pan-specific | [3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3802 | 5527 | 4725 | 6119 | 4677 | 4970 | 793 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5793 | 6113 | 6490 | 10405 | 6913 | 7143 | 1674 | 23 | 44 | .022 | 6 | 6 | 4 | NP_001116429.1 | O14874 |
| 695 | NP018 | PP2Cd | Pan-specific | Protein-serine phosphatase 2C - catalytic subunit - delta isoform | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1255 | 877 | 1309 | 1744 | 912 | 1219 | 315 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1228 | 1771 | 2357 | 1926 | 1479 | 1752 | 386 | 22 | 44 | .059 | 7 | 9 | 10 | NP_110395 | O15297 |
| 525 | NK105-5 | MKK6 | Pan-specific | MAPK/ERK protein-serine kinase 6 (MKK6) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6443 | 9330 | 5452 | 8498 | 5197 | 6984 | 1651 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7165 | 9480 | 8399 | 9657 | 15340 | 10008 | 2811 | 28 | 43 | .176 | 7 | 9 | 3 | NP_002749.2 | P52564 |
| 723 | PG001 | PYK | pTyr | Generic phosphotyrosine | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5371 | 8108 | 5049 | 7397 | 3727 | 5930 | 1602 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6890 | 8170 | 8353 | 10540 | 8467 | 8484 | 1173 | 14 | 43 | .034 | 6 | 9 | 11 | | |
| 543 | NK116-3 | mTOR | Pan-specific | Mammalian target of rapamycin (FRAP) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3438 | 5028 | 4958 | 5855 | 3742 | 4604 | 891 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4708 | 5586 | 7594 | 9795 | 5229 | 6582 | 1881 | 29 | 43 | .029 | 6 | 9 | 2 | NP_004949 | P42345 |
| 53 | NK193-3 | AurKB | Pan-specific | Aurora Kinase B (serine/threonine protein kinase 12) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6027 | 13272 | 5384 | 6376 | 4444 | 7101 | 3155 | 44 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14631 | 12466 | 6952 | 10390 | 6087 | 10105 | 3232 | 32 | 42 | .132 | 6 | 6 | 2 | NP_004208 | Q96GD4 |
| 241 | PN028-2 | eIF2a | S52 | Eukaryotic translation initiation factor 2 alpha | 1, 1 | 1, 1 | 1, 1 | 1, 1 | 0, 0 | 427 | 300 | 579 | 123 | 105 | 307 | 181 | 59 | 1, 1 | 1, 1 | 1, 1 | 0, 0 | 1,1 | 11 | 1202 | 14 | 441 | 511 | 436 | 436 | 100 | 42 | .661 | 10 | 7 | 2 | NP_004085 | P05198 |
| 707 | NK048-7 | PRKDC (DNAPK) | Pan-specific | DNA-activated protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10035 | 17686 | 8385 | 14056 | 16506 | 13333 | 3603 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 19053 | 16167 | 14446 | 18169 | 26792 | 18925 | 4246 | 22 | 42 | .055 | 7 | 10 | 2 | NP_001075109.1 | P78527 |
| 725 | PK097-3 | PYK2 | Y579 | Protein-tyrosine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1,1 | 293 | 388 | 114 | 295 | 568 | 332 | 148 | 45 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 478 | 628 | 520 | 255 | 469 | 470 | 121 | 26 | 42 | .210 | 10 | 9 | 11 | NP_004094 | Q14289 |
| 522 | NK103-6 | MKK4 | Pan-specific | MAPK/ERK protein-serine kinase 4 (MKK4) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 18994 | 23975 | 15596 | 15235 | 16172 | 17994 | 3270 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 27816 | 25430 | 24468 | 20771 | 28915 | 25480 | 2845 | 11 | 42 | .017 | 11 | 9 | 2 | NP_003001 | P45985 |
| 160 | PK581 | Chk2 | T68 | Checkpoint protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4846 | 6874 | 5740 | 6708 | 3816 | 5597 | 1151 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7558 | 7103 | 8443 | 9843 | 6560 | 7901 | 1150 | 15 | 41 | .012 | 6 | 6 | 11 | NP_009125 | O96017 |
| 670 | PK092 | PKCm (PKD) | S738/S742 | Protein-serine kinase C mu (Protein kinase D) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 197 | 522 | 241 | 11 | 53 | 205 | 180 | 88 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1,1 | 289 | 680 | 291 | 14 | 168 | 288 | 220 | 76 | 41 | .035 | 4 | 9 | 10 | NP_002733 | Q15139 |
| 732 | NK155-6 | Raf1 | Pan-specific | Raf1 proto-oncogene-encoded protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4236 | 7274 | 3495 | 3623 | 2921 | 4310 | 1540 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6891 | 6188 | 4980 | 7667 | 4507 | 6047 | 1172 | 19 | 40 | .108 | 10 | 10 | 2 | NP_002871 | P04049 |
| 857 | NK245-3 | VGFR2 | Pan-specific | Vascular endothelial growth factor receptor-tyrosine kinase 2 (Flk1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5657 | 3943 | 3272 | 3336 | 2859 | 3813 | 985 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7312 | 5164 | 4252 | 6318 | 3686 | 5346 | 1326 | 25 | 40 | .017 | 9 | 10 | 9 | NP_002244 | P35968 |
| 49 | NK008-3 | AurKA | Pan-specific | Aurora Kinase A (serine/threonine protein kinase 6) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2226 | 3128 | 2987 | 3496 | 3161 | 3000 | 421 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3181 | 3630 | 4556 | 5750 | 3870 | 4197 | 895 | 21 | 40 | .020 | 6 | 6 | 1 | NP_940835 | O14965 |
| 240 | PN028-1 | eIF2a | S52 | Eukaryotic translation initiation factor 2 alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 654 | 786 | 894 | 1169 | 745 | 850 | 177 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 828 | 1115 | 1439 | 1152 | 1403 | 1188 | 222 | 19 | 40 | .051 | 6 | 7 | 2 | NP_004085 | P05198 |
| 479 | PK048-1 | MEK1 | T386 | MAPK/ERK protein-serine kinase 1 (MKK1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 741 | 540 | 774 | 915 | 570 | 708 | 138 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1078 | 1308 | 1313 | 569 | 676 | 989 | 313 | 32 | 40 | .215 | 1 | 8 | 7 | NP_002746 | Q02750 |
| 3 | PN114 | 4E-BP1 | T45 | Eukaryotic translation initiation factor 4E binding protein 1 (PHAS1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 348 | 160 | 428 | 536 | 444 | 383 | 127 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 320 | 383 | 848 | 568 | 558 | 535 | 184 | 34 | 40 | .127 | 8 | 6 | 1 | NP_004086 | Q13541 |
| 449 | NP005 | LAR | Pan-specific | LCA antigen-related (LAR) receptor tyrosine phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1190 | 1218 | 2988 | 1810 | 2180 | 1877 | 669 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1629 | 1550 | 2791 | 3268 | 3859 | 2619 | 907 | 35 | 40 | .105 | 6 | 8 | 7 | NP_002831 | P10586 |
| 638 | NN089 | PI3-Kinase | Pan-specific | Phosphatidylinositol 3-kinase regulatory subunit alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1047 | 634 | 727 | 1088 | 291 | 757 | 292 | 39 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 809 | 845 | 1261 | 1272 | 1085 | 1054 | 197 | 19 | 39 | .164 | 6 | 9 | 8 | NP_852664 | P27986 |
| 261 | PK163 | ErbB3 | Y1328 | Tyrosine kinase-type cell surface receptor HER3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 694 | 558 | 1077 | 1399 | 936 | 933 | 295 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 806 | 824 | 1817 | 1346 | 1702 | 1299 | 425 | 33 | 39 | .092 | 10 | 7 | 7 | NP_001005915.1 | P21860 |
| 154 | PK162 | Chk1 | S280 | Checkpoint protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 438 | 303 | 648 | 738 | 560 | 538 | 154 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 439 | 539 | 993 | 865 | 906 | 748 | 218 | 29 | 39 | .034 | 10 | 6 | 9 | NP_001265 | O14757 |
| 344 | PN036 | Histone H2A.X | S139 | Histone H2A variant X | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 616 | 368 | 839 | 1099 | 790 | 742 | 243 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 575 | 637 | 768 | 1227 | 1955 | 1032 | 515 | 50 | 39 | .271 | 6 | 7 | 10 | NP_002096 | P16104 |
| 159 | PK119 | Chk2 | T68 | Checkpoint protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 492 | 428 | 587 | 867 | 531 | 581 | 152 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 592 | 643 | 948 | 784 | 1070 | 807 | 180 | 22 | 39 | .101 | 2 | 6 | 11 | NP_009125 | O96017 |
| 27 | NK130-8 | Akt2 (PKBb) | Pan-specific | RAC-beta serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9075 | 9851 | 11049 | 14971 | 9620 | 10913 | 2129 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11044 | 12678 | 16010 | 13874 | 22168 | 15155 | 3862 | 25 | 39 | .138 | 3 | 6 | 1 | NP_001617 | P31751 |
| 255 | NK054-4 | ErbB2 | Pan-specific | ErbB2 (Neu) receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6858 | 9560 | 7199 | 7430 | 4265 | 7062 | 1689 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10642 | 10061 | 9668 | 10719 | 7723 | 9763 | 1091 | 11 | 38 | .010 | 6 | 7 | 6 | NP_004439 | P04626 |
| 337 | PK651 | GTF2F1 | S385+T389 | General transcription factor IIF subunit 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7305 | 7649 | 6129 | 7674 | 5618 | 6875 | 844 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9985 | 7250 | 8567 | 13530 | 8056 | 9477 | 2213 | 23 | 38 | .058 | 10 | 7 | 8 | NP_002087.2 | P35269 |
| 220 | NP040-3 | DUSP6 | Pan-specific | Dual specificity protein phosphatase 6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4479 | 5550 | 5627 | 6518 | 5044 | 5443 | 677 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4674 | 5900 | 7535 | 7461 | 11947 | 7503 | 2463 | 33 | 38 | .174 | 7 | 7 | 3 | NP_001937.2 | Q16828 |
| 417 | NK085-4 | JAK2 | Pan-specific | Janus protein-tyrosine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7206 | 19212 | 6507 | 8082 | 6422 | 9486 | 4899 | 52 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 15015 | 15672 | 10065 | 15385 | 9069 | 13041 | 2862 | 22 | 37 | .156 | 3 | 8 | 6 | NP_004963 | O60674 |
| 28 | NK130-9 | Akt2 (PKBb) | Pan-specific | RAC-beta serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10375 | 16157 | 7343 | 8411 | 5947 | 9647 | 3562 | 37 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 16110 | 17082 | 11372 | 12964 | 8763 | 13258 | 3053 | 23 | 37 | .012 | 7 | 6 | 1 | NP_001617 | P31751 |
| 164 | PK167 | CK2a | T360/S362 | Casein protein-serine kinase 2 alpha/ alpha prime | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1446 | 1479 | 1711 | 1841 | 1465 | 1588 | 159 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1719 | 2069 | 2254 | 2397 | 2452 | 2178 | 265 | 12 | 37 | .007 | 6 | 7 | 1 | NP_001887 | P68400 |
| 747 | NK244-2 | Ret | Pan-specific | Proto-oncogene tyrosine-protein kinase receptor Ret | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6730 | 8414 | 5229 | 6125 | 3121 | 5924 | 1745 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9592 | 8312 | 7224 | 9323 | 6070 | 8104 | 1316 | 16 | 37 | .023 | 5 | 9 | 11 | NP_065681 | P07949 |
| 328 | NN046 | GroEL | Pan-specific | GroEL homolog (may correspond to Hsp60) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2095 | 1563 | 1853 | 2687 | 1855 | 2011 | 378 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1818 | 2105 | 3105 | 3363 | 3360 | 2750 | 657 | 24 | 37 | .076 | 7 | 8 | 1 | NP_002147 | P10809 |
| 756 | NK161 | RONa | Pan-specific | Macrophage-stimulating protein receptor alpha chain | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 606 | 493 | 281 | 466 | 301 | 430 | 123 | 29 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 616 | 457 | 358 | 1107 | 396 | 587 | 275 | 47 | 37 | .271 | 13 | 10 | 2 | NP_002438 | Q04912 |
| 180 | PN110 | Crystallin aB | S45 | Crystallin alpha B (heat-shock 20 kDa like-protein) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1637 | 2324 | 1467 | 2037 | 1087 | 1710 | 433 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2739 | 2916 | 2510 | 1671 | 1709 | 2309 | 521 | 23 | 35 | .085 | 1 | 6 | 10 | NP_001876 | P02511 |
| 637 | NN088 | PERP | Pan-specific | p53-induced protein PIGPC1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6245 | 7685 | 5727 | 5140 | 5297 | 6019 | 917 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8790 | 7957 | 9629 | 9027 | 5148 | 8110 | 1575 | 19 | 35 | .073 | 2 | 9 | 8 | NP_071404 | Q9H230 |

## Full Analysis: 10 Individual Wounds

| | | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 1545 | 1490 | 1864 | 1726 | 2278 | | | | | | | | | 1597 | 1688 | 1753 | 1745 | 1646 | | | | | | | | | | |
| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Patient 1-Smaller | Flag-Patient 2-Smaller | Flag-Patient 3-Smaller | Flag-Patient 4-Smaller | Flag-Patient 5-Smaller | Globally Normalized - Patient 1-Smaller | Globally Normalized - Patient 2-Smaller | Globally Normalized - Patient 3-Smaller | Globally Normalized - Patient 4-Smaller | Globally Normalized - Patient 5-Smaller | Average - Smaller | S. Dev. - Smaller | %S.Dev. Smaller | Flag-Patient 1-Bigger | Flag-Patient 2-Bigger | Flag-Patient 3-Bigger | Flag-Patient 4-Bigger | Flag-Patient 5-Bigger | Globally Normalized - Patient 1-Bigger | Globally Normalized - Patient 2-Bigger | Globally Normalized - Patient 3-Bigger | Globally Normalized - Patient 4-Bigger | Globally Normalized - Patient 5-Bigger | Average - Larger | S. Dev. - Larger | %S.Dev. - Larger | %CFC - Average Larger from Average Smaller | Student T test p value | Block | Row | Column | Refseq | Uniprot Link |
| 409 | PN118 | IRS1 | S639 | Insulin receptor substrate 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 161 | 182 | 412 | 440 | 464 | 332 | 132 | 40 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 205 | 354 | 671 | 465 | 538 | 447 | 159 | 36 | 35 | .059 | 11 | 8 | 3 | NP_005535 | P35568 |
| 521 | NK103-5 | MKK4 | Pan-specific | MAPK/ERK protein-serine kinase 4 (MKK4) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12743 | 12674 | 9961 | 14123 | 9046 | 11709 | 1896 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11642 | 15118 | 15705 | 16554 | 19546 | 15713 | 2543 | 16 | 34 | .110 | 7 | 9 | 2 | NP_003001 | P45985 |
| 340 | 179-PN180-PN1 | HDAC4/5/9 | S246/259/220 | Histone deacetylase 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1050 | 771 | 1604 | 1360 | 1348 | 1226 | 288 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 913 | 1039 | 1311 | 1876 | 3091 | 1646 | 795 | 48 | 34 | .310 | 6 | 7 | 9 | NP_006028.2 | P56524 |
| 716 | PP006 | PTEN | S380/T382/T383 | Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and protein phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 548 | 298 | 596 | 633 | 557 | 526 | 118 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 378 | 552 | 706 | 616 | 1275 | 706 | 304 | 43 | 34 | .303 | 11 | 10 | 3 | NP_000305 | P60484 |
| 248 | NN168 | Elk1 | Pan-specific | ETS domain-containing protein Elk-1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 384 | 167 | 295 | 205 | 186 | 247 | 81 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 167 | 189 | 436 | 289 | 575 | 331 | 154 | 47 | 34 | .438 | 6 | 7 | 4 | NP_001107595.1 | P19419 |
| 120 | NP003-2 | Cdc25C | Pan-specific | Cell division cycle 25C phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10026 | 13950 | 12000 | 13194 | 11781 | 12190 | 1341 | 11 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 15287 | 15984 | 14082 | 20900 | 14843 | 16219 | 2420 | 15 | 33 | .021 | 7 | 6 | 7 | NP_001781 | P30307 |
| 743 | PN071 | Rb | T826 | Retinoblastoma-associated protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1774 | 2133 | 2288 | 2187 | 1863 | 2049 | 197 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2940 | 3120 | 3258 | 2386 | 1916 | 2724 | 501 | 18 | 33 | .042 | 2 | 10 | 4 | NP_000312 | P06400 |
| 606 | PK061 | PAK1/2/3 | S144/S141/S154 | p21-activated kinase 1 (alpha) (serine/threonine-protein kinase PAK 1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 628 | 416 | 513 | 772 | 409 | 548 | 138 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 493 | 537 | 888 | 719 | 994 | 726 | 194 | 27 | 33 | .254 | 11 | 9 | 6 | NP_002567 | Q13153 |
| 796 | PN077 | SOX9 | S181 | SRY (sex determining region Y)-box 9 (campomelic dysplasia, autosomal sex-rev | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1463 | 2111 | 1256 | 1408 | 1314 | 1510 | 309 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1505 | 2604 | 2214 | 1771 | 1857 | 1990 | 382 | 19 | 32 | .032 | 7 | 10 | 6 | NP_000337 | P48436 |
| 316 | PK641 | FRK | Y387 | Tyrosine-protein kinase FRK | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8710 | 7737 | 8457 | 8076 | 5585 | 7713 | 1114 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8470 | 9923 | 10643 | 14284 | 7469 | 10158 | 2341 | 23 | 32 | .079 | 7 | 7 | 9 | NP_002022.1 | P42685 |
| 634 | NN178-2 | PDK4 | Pan-specific | [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 4, mitochondrial | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7710 | 12477 | 8140 | 8680 | 7761 | 8953 | 1795 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14756 | 11120 | 9822 | 13645 | 9563 | 11781 | 2075 | 18 | 32 | .124 | 6 | 9 | 7 | NP_002603.1 | Q16654 |
| 65 | NN008 | Bcl-xS/L | Pan-specific | Bcl2-like protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 935 | 1537 | 1075 | 1414 | 930 | 1178 | 251 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1351 | 1727 | 1842 | 1753 | 1072 | 1549 | 292 | 19 | 31 | .028 | 6 | 6 | 5 | NP_612815 | Q07817 |
| 175 | PN024 | CREB1 | S133 | cAMP response element binding protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3145 | 3351 | 3470 | 4023 | 3090 | 3416 | 333 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3958 | 3815 | 4798 | 5067 | 4801 | 4488 | 503 | 11 | 31 | .007 | 5 | 6 | 9 | NP_004370 | P16220 |
| 804 | NN102-NN124 | STAT1 | Pan-specific | Signal transducer and activator of transcription 1 alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1469 | 2943 | 718 | 1166 | 1252 | 1510 | 757 | 50 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3866 | 2770 | 1105 | 1285 | 883 | 1982 | 1152 | 58 | 31 | .397 | 11 | 10 | 8 | NP_009330 | P42224 |
| 830 | PN090 | Tau | S713 | Microtubule-associated protein tau | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1080 | 703 | 1300 | 1221 | 1131 | 1087 | 206 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1181 | 1428 | 1731 | 1335 | 1456 | 1426 | 180 | 13 | 31 | .042 | 2 | 10 | 8 | NP_005901 | P10636 |
| 20 | PK072-3 | Akt1 (PKBa) | S473 | RAC-alpha serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 465 | 291 | 502 | 285 | 318 | 372 | 92 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 347 | 648 | 571 | 570 | 302 | 488 | 137 | 28 | 31 | .268 | 8 | 6 | 6 | NP_005154 | P31749 |
| 632 | NN181-1 | PDK3 | Pan-specific | Pyruvate dehydrogenase kinase isoform 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 56 | 140 | 81 | 58 | 123 | 92 | 34 | 38 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 128 | 126 | 23 | 216 | 107 | 120 | 62 | 51 | 31 | .507 | 14 | 9 | 6 | NP_001135858.1 | Q15120 |
| 326 | NK067 | GRK2 | Pan-specific | G protein-coupled receptor-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1008 | 2277 | 920 | 1106 | 1826 | 1428 | 532 | 37 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1599 | 2082 | 1949 | 1234 | 2463 | 1865 | 419 | 22 | 31 | .109 | 3 | 8 | 1 | NP_001610 | P25098 |
| 224 | NP042-3 | DUSP8 | Pan-specific | Dual specificity protein phosphatase 8 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4706 | 6382 | 4495 | 8353 | 3708 | 5529 | 1659 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4416 | 6750 | 8450 | 10184 | 6321 | 7224 | 1959 | 27 | 31 | .091 | 7 | 7 | 4 | NP_004411.2 | Q13202 |
| 501 | NK105-1 | MEK6 | Pan-specific | MAPK/ERK protein-serine kinase 6 (MKK6) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 300 | 177 | 547 | 467 | 325 | 363 | 130 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 356 | 331 | 697 | 427 | 559 | 474 | 137 | 29 | 31 | .078 | 8 | 9 | 3 | NP_002749 | P52564 |
| 429 | NK217-2 | JNK1 | Pan-specific | Jun N-terminus protein-serine kinase (stress-activated protein kinase (SAPK)) 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7870 | 23302 | 5501 | 5239 | 4687 | 9320 | 7075 | 76 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 20272 | 14096 | 10836 | 7875 | 7684 | 12153 | 4684 | 39 | 30 | .462 | 7 | 8 | 8 | NP_002741 | P45983 |
| 559 | PN053-1 | NFKB p65 (Rel A) | S276 | NF-kappa-B p65 nuclear transcription factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4909 | 4948 | 7683 | 7508 | 6095 | 6229 | 1196 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7888 | 7272 | 9626 | 7458 | 8339 | 8116 | 840 | 10 | 30 | .021 | 1 | 8 | 11 | NP_003989 | Q04206 |
| 166 | PN019 | Cofilin 1 | S3 | Cofilin 1 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 313 | 58 | 64 | 43 | 82 | 112 | 101 | 90 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 325 | 230 | 24 | 34 | 112 | 145 | 116 | 80 | 30 | .415 | 14 | 7 | 1 | NP_005498 | P23528 |
| 793 | NN097 | SOCS4 | Pan-specific | Suppressor of cytokine signalling 4 (SOCS7) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1737 | 2279 | 1908 | 2787 | 2323 | 2207 | 365 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1817 | 2554 | 3561 | 3308 | 3077 | 2863 | 620 | 22 | 30 | .074 | 11 | 10 | 5 | NP_543143 | Q8WXH5 |
| 719 | NP025 | PTP1C | Pan-specific | Protein-tyrosine phosphatase 1C (SHP1, SHPTP1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2537 | 927 | 3254 | 2677 | 2182 | 2315 | 775 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1929 | 2862 | 1926 | 3539 | 4725 | 2996 | 1057 | 35 | 29 | .406 | 6 | 9 | 10 | NP_002822 | P29350 |
| 121 | NP003-3 | Cdc25C | Pan-specific | Cell division cycle 25C phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6647 | 10696 | 5595 | 8775 | 4820 | 7307 | 2154 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7553 | 9180 | 10086 | 14709 | 5732 | 9452 | 3019 | 32 | 29 | .187 | 11 | 6 | 7 | NP_001781 | P30307 |
| 635 | NN178-3 | PDK4 | Pan-specific | [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 4, mitochondrial | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10527 | 11035 | 10756 | 10728 | 7256 | 10060 | 1412 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 15086 | 11997 | 11708 | 14574 | 11700 | 13013 | 1496 | 11 | 29 | .023 | 10 | 9 | 7 | NP_002603.1 | Q16654 |
| 56 | NK009-2 | AurKC | Pan-specific | Aurora Kinase C (serine/threonine-protein kinase 13) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5276 | 6298 | 5994 | 7888 | 5568 | 6205 | 912 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6872 | 7061 | 7780 | 11212 | 6998 | 7985 | 1645 | 21 | 29 | .014 | 2 | 6 | 3 | NP_003151 | Q9UQB9 |
| 631 | NN180-2 | PDK2 | Pan-specific | Pyruvate dehydrogenase kinase isoform 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8872 | 8880 | 8440 | 9983 | 6201 | 8475 | 1247 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12890 | 11494 | 10471 | 10637 | 8975 | 10893 | 1286 | 12 | 29 | .012 | 10 | 9 | 6 | NP_002602 | Q15119 |
| 726 | PG005 | PYKSD8 | pTyr | Generic phosphotyrosine | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11476 | 14672 | 21144 | 23770 | 13058 | 16824 | 4782 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 18807 | 19755 | 25807 | 22228 | 21459 | 21611 | 2421 | 11 | 28 | .050 | 2 | 10 | 1 | | |
| 833 | PN122 | Tau | T231 | Microtubule-associated protein tau | 0, 0 | 0, 1 | 0, 0 | 0, 0 | 0, 0 | 338 | 386 | 670 | 1075 | 364 | 567 | 281 | 50 | 0, 0 | 0, 1 | 0, 0 | 0, 0 | 0, 0 | 454 | 479 | 877 | 887 | 933 | 726 | 213 | 29 | 28 | .262 | 10 | 10 | 9 | NP_005901 | P10636 |
| 710 | PK786 | PRP4K | Y849 | Protein-serine kinase PRP4 homolog | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2624 | 2791 | 5602 | 5037 | 3792 | 3969 | 1186 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3227 | 5059 | 7259 | 6125 | 3621 | 5058 | 1510 | 30 | 27 | .061 | 3 | 10 | 3 | NP_003904.3 | Q13523 |
| 157 | PK579 | Chk1 | S345 | Checkpoint protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2430 | 4889 | 2797 | 2215 | 3796 | 3225 | 993 | 31 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5282 | 3581 | 3441 | 4935 | 3296 | 4107 | 830 | 20 | 27 | .352 | 10 | 6 | 10 | NP_001265 | O14757 |
| 665 | PK084 | PKCg | T674 | Protein-serine kinase C gamma | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1687 | 2009 | 2155 | 2095 | 2169 | 2023 | 177 | 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2853 | 3087 | 3022 | 1887 | 2027 | 2575 | 512 | 20 | 27 | .141 | 1 | 9 | 9 | NP_002730 | P05129 |
| 52 | NK193-2 | AurKB | Pan-specific | Aurora Kinase B (serine/threonine protein kinase 12) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2932 | 4626 | 2598 | 3523 | 2649 | 3266 | 755 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4318 | 3972 | 3675 | 5372 | 3426 | 4153 | 679 | 16 | 27 | .105 | 2 | 6 | 2 | NP_004208 | Q96GD4 |
| 746 | NK244-1 | Ret | Pan-specific | Proto-oncogene tyrosine-protein kinase receptor Ret | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8455 | 9434 | 11734 | 13658 | 8232 | 10303 | 2086 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12792 | 12140 | 14194 | 13118 | 12929 | 13035 | 666 | 5 | 27 | .042 | 1 | 9 | 11 | NP_065681 | P07949 |
| 633 | NN181-2 | PDK3 | Pan-specific | Pyruvate dehydrogenase kinase isoform 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 22065 | 29874 | 18236 | 19717 | 16403 | 21259 | 4689 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 31523 | 31669 | 22813 | 25504 | 22346 | 26771 | 4084 | 15 | 26 | .011 | 2 | 9 | 7 | NP_001135858.1 | Q15120 |
| 29 | NK131-3 | Akt3 (PKBg) | Pan-specific | RAC-gamma serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7993 | 10160 | 7909 | 10417 | 8589 | 9014 | 1070 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11118 | 13060 | 13443 | 10858 | 8257 | 11347 | 1853 | 16 | 26 | .089 | 3 | 6 | 2 | NP_005456 | Q9Y243 |
| 624 | NK243-3 | PDGFRb | Pan-specific | Platelet-derived growth factor receptor kinase beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4595 | 5847 | 6726 | 6637 | 5557 | 5873 | 780 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5799 | 6978 | 7584 | 10455 | 6059 | 7375 | 1667 | 23 | 26 | .064 | 2 | 9 | 5 | NP_032835 | P09619 |
| 437 | PN048-2 | Jun | S73 | Jun proto-oncogene-encoded AP1 transcription factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1297 | 2309 | 1948 | 1591 | 1772 | 1784 | 340 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2301 | 2598 | 2505 | 2283 | 1508 | 2239 | 385 | 17 | 26 | .100 | 6 | 8 | 4 | NP_002219 | P05412 |
| 622 | PK759 | PDGFRa | Y768 | Platelet-derived growth factor receptor kinase alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1857 | 2397 | 2418 | 2789 | 2789 | 2450 | 342 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2165 | 2276 | 2876 | 5352 | 2668 | 3067 | 1171 | 38 | 25 | .284 | 6 | 9 | 4 | NP_006197.1 | P16234 |
| 628 | NN179-1 | PDK1 | Pan-specific | Pyruvate dehydrogenase kinase isoform 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13314 | 13949 | 13502 | 16432 | 10477 | 13535 | 1896 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 18255 | 15634 | 15552 | 18662 | 16519 | 16924 | 1304 | 8 | 25 | .018 | 10 | 9 | 5 | NP_001265478.1 | Q15118 |
| 794 | NN098 | SOD (Cu/Zn) | Pan-specific | Superoxide dismutase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 707 | 492 | 389 | 837 | 886 | 662 | 193 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 470 | 777 | 906 | 955 | 1029 | 827 | 197 | 24 | 25 | .249 | 15 | 10 | 5 | NP_000445 | Q6ND84 |
| 37 | PN189 | APP | T743 | Amyloid beta A4 protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1072 | 819 | 1227 | 1620 | 1234 | 1194 | 261 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1003 | 1321 | 1563 | 1950 | 1626 | 1492 | 317 | 21 | 25 | .037 | 3 | 6 | 4 | NP_000475.1 | P05067 |
| 789 | PN197 | SNCA (a-Synuclein) | S129 | Alpha-synuclein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 158 | 125 | 250 | 268 | 205 | 201 | 54 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 164 | 195 | 250 | 287 | 353 | 250 | 67 | 27 | 24 | .155 | 11 | 6 | 6 | NP_000336.1 | P37840 |
| 823 | PN111 | Synapsin 1 | S603 | Synapsin 1 isoform Ia | 0, 0 | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 102 | 60 | 76 | 208 | 171 | 123 | 57 | 46 | 0, 0 | 1, 1 | 0, 0 | 1, 1 | 0, 0 | 139 | 51 | 302 | 151 | 120 | 153 | 82 | 54 | 24 | .599 | 2 | 10 | 7 | NP_008881 | P17600 |
| 335 | NK069-NK070-2 | GSK3a/b | Pan-specific | Glycogen synthase-serine kinase 3 alpha/beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9528 | 10751 | 9864 | 10492 | 7437 | 9614 | 1173 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11154 | 12844 | 13205 | 12989 | 9455 | 11929 | 1436 | 12 | 24 | .001 | 2 | 7 | 8 | NP_063937 | P49840 |
| 662 | PK082-1 | PKCg | T514 | Protein-serine kinase C gamma | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 2084 | 5664 | 3029 | 3459 | 2221 | 3291 | 1291 | 39 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 3797 | 4439 | 4886 | 4261 | 3026 | 4082 | 633 | 16 | 24 | .224 | 1 | 9 | 8 | NP_002730 | P05129 |
| 38 | NK205-2 | A-Raf | Pan-specific | A-Raf proto-oncogene serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1149 | 2596 | 1503 | 1929 | 1809 | 1797 | 482 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2076 | 2905 | 2198 | 2025 | 1897 | 2220 | 356 | 16 | 24 | .065 | 3 | 6 | 5 | NP_001645.1 | P10398 |
| 524 | NK105-4 | MKK6 | Pan-specific | MAPK/ERK protein-serine kinase 6 (MKK6) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1362 | 3310 | 1728 | 2459 | 3046 | 2381 | 745 | 31 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1898 | 3638 | 4043 | 3159 | 1967 | 2941 | 870 | 30 | 24 | .359 | 3 | 9 | 3 | NP_002749.2 | P52564 |
| 45 | NK007-2 | ASK1 | Pan-specific | Apoptosis signal regulating protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1251 | 1534 | 1191 | 1914 | 1772 | 1532 | 282 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1268 | 2705 | 2127 | 2034 | 1323 | 1892 | 538 | 28 | 23 | .299 | 3 | 6 | 6 | NP_005914 | Q99683 |
| 39 | NK205-4 | A-Raf | Pan-specific | A-Raf proto-oncogene serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14430 | 14781 | 14119 | 18412 | 9761 | 14301 | 2749 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13314 | 17494 | 18818 | 18462 | 20152 | 17648 | 2329 | 13 | 23 | .175 | 7 | 6 | 4 | NP_001645.1 | P10398 |
| 363 | NN057-2 | Hsp40 | Pan-specific | DnaJ homolog, subfamily B member 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12986 | 6102 | 17125 | 14123 | 13836 | 12834 | 3645 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12251 | 9725 | 17606 | 21829 | 17614 | 15805 | 4299 | 27 | 23 | .114 | 1 | 7 | 9 | NP_006136 | P25685 |
| 221 | NP041-1 | DUSP7 | Pan-specific | Dual specificity protein phosphatase 7 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6231 | 6413 | 5961 | 9281 | 7700 | 7117 | 1236 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5317 | 7183 | 10173 | 12024 | 9082 | 8756 | 2328 | 27 | 23 | .133 | 11 | 7 | 3 | NP_001938.2 | Q16829 |
| 741 | PN065 | Rb | T356 | Retinoblastoma-associated protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1355 | 2167 | 1817 | 1655 | 1565 | 1712 | 272 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2250 | 2770 | 2340 | 1663 | 1498 | 2104 | 465 | 22 | 23 | .099 | 2 | 10 | 3 | NP_000312 | P06400 |
| 653 | PK079-1 | PKCd | S645 | Protein-serine kinase C delta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1086 | 615 | 986 | 1318 | 1015 | 1004 | 227 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 590 | 938 | 2383 | 1290 | 966 | 1233 | 616 | 50 | 23 | .512 | 5 | 9 | 6 | NP_006245 | Q05655 |
| 251 | NN173 | Epcam | Pan-specific | Epithelial cell adhesion molecule | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 437 | 332 | 519 | 621 | 394 | 460 | 101 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 461 | 615 | 701 | 567 | 485 | 566 | 87 | 15 | 23 | .149 | 2 | 7 | 5 | NP_002345.2 | P16422 |
| 799 | NK172-2 | Src | Pan-specific | Src proto-oncogene-encoded protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 25166 | 35710 | 23095 | 23461 | 20449 | 25576 | 5287 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 35416 | 35211 | 23730 | 30424 | 31897 | 31336 | 4258 | 14 | 23 | .078 | 3 | 10 | 8 | NP_005408 | P12931 |
| 412 | NK084-5 | JAK1 | Pan-specific | Janus protein-tyrosine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10845 | 17966 | 10764 | 12473 | 11098 | 12629 | 2739 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 15181 | 19144 | 15200 | 14155 | 13471 | 15430 | 1968 | 13 | 22 | .014 | 11 | 8 | 4 | NP_002218 | P23458 |
| 714 | NP023-5 | PTEN | Pan-specific | Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and protein phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11643 | 13431 | 11379 | 16118 | 10288 | 12572 | 2040 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11786 | 14466 | 14677 | 19198 | 16635 | 15353 | 2466 | 16 | 22 | .061 | 7 | 10 | 4 | NP_000305.3 | P60484 |
| 704 | NK048-4 | PRKDC (DNAPK) | Pan-specific | DNA-activated protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11856 | 19887 | 9436 | 9754 | 9078 | 12002 | 4059 | 34 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 18633 | 14709 | 13636 | 13208 | 13058 | 14649 | 2074 | 14 | 22 | .264 | 11 | 10 | 1 | NP_001075109.1 | P78527 |
| 519 | PK714 | MKK3 | Y230 | MAPK/ERK protein-serine kinase 3 beta isoform (MKK3 beta) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5205 | 5793 | 8151 | 5592 | 7525 | 6453 | 1163 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5754 | 7206 | 10594 | 8979 | 6830 | 7873 | 1712 | 22 | 22 | .117 | 3 | 9 | 1 | NP_002747.2 | P46734 |
| 50 | NK008-4 | AurKA | Pan-specific | Aurora Kinase A (serine/threonine protein kinase 6) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 23258 | 32437 | 16878 | 17726 | 8906 | 19841 | 7787 | 39 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 24355 | 23510 | 19681 | 22755 | 30483 | 24157 | 3535 | 15 | 22 | .431 | 10 | 6 | 1 | NP_940835 | O14965 |
| 216 | NP007-4 | DUSP4 | Pan-specific | Dual specificity protein phosphatase 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 16738 | 25953 | 13175 | 15461 | 16887 | 17643 | 4363 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 21649 | 21447 | 18375 | 18609 | 27266 | 21469 | 3206 | 15 | 22 | .187 | 7 | 7 | 2 | NP_001385.1 | Q13115 |
| 476 | PK046-2 | MEK1 | S292 | MAPK/ERK protein-serine kinase 1 (MKK1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1718 | 1511 | 1631 | 1972 | 1938 | 1754 | 177 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2141 | 2209 | 2253 | 2113 | 1951 | 2133 | 104 | 5 | 22 | .046 | 5 | 8 | 8 | NP_002746 | Q02750 |
| 102 | PN167 | Catenin b | Y333 | Catenin (cadherin-associated protein) beta 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1527 | 986 | 1351 | 1134 | 1096 | 1219 | 194 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1061 | 1325 | 1716 | 1652 | 1651 | 1481 | 251 | 17 | 22 | .233 | 4 | 6 | 9 | NP_001895 | P35222 |
| 809 | NN104 | STAT3 | Pan-specific | Signal transducer and activator of transcription 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 1628 | 2014 | 487 | 481 | 1412 | 1205 | 619 | 51 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 2493 | 2765 | 547 | 774 | 732 | 1462 | 960 | 66 | 21 | .404 | 15 | 10 | 9 | NP_003141 | P40763 |
| 598 | PK145 | p70 S6K | T229 | Ribosomal protein S6 kinase beta-1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 808 | 704 | 1015 | 1499 | 945 | 994 | 275 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 749 | 1267 | 1419 | 1279 | 1321 | 1207 | 235 | 19 | 21 | .228 | 3 | 9 | 4 | NP_003152 | P23443 |
| 150 | PK574 | CDK9 | S347 | Cyclin-dependent protein-serine kinase 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2364 | 3065 | 2846 | 2840 | 3013 | 2826 | 247 | 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3330 | 2858 | 2964 | 5333 | 2653 | 3428 | 978 | 29 | 21 | .316 | 10 | 6 | 8 | NP_001252.1 | P50750 |
| 147 | NK030-2 | CDK7 | Pan-specific | Cyclin-dependent protein-serine kinase 7 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2865 | 1562 | 2322 | 3119 | 3208 | 2615 | 610 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2405 | 3291 | 3592 | 2781 | 3777 | 3169 | 509 | 16 | 21 | .268 | 2 | 6 | 8 | NP_001790 | P50613 |
| 30 | NK003 | ALK | Pan-specific | Anaplastic lymphoma kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3175 | 3969 | 3909 | 3527 | 4226 | 3761 | 369 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3560 | 4343 | 4420 | 3927 | 6543 | 4558 | 1039 | 23 | 21 | .104 | 7 | 6 | 2 | AAB71619 | Q9UM73 |
| 856 | NK245-2 | VGFR2 | Pan-specific | Vascular endothelial growth factor receptor-tyrosine kinase 2 (Flk1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 3115 | 3564 | 1946 | 2980 | 3125 | 2946 | 537 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 4245 | 3383 | 2859 | 4466 | 2889 | 3568 | 673 | 19 | 21 | .151 | 5 | 10 | 9 | NP_002244 | P35968 |
| 317 | PN146 | FRS2 | Y349 | Fibroblast growth factor receptor substrate 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 666 | 675 | 548 | 574 | 348 | 562 | 118 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 688 | 987 | 866 | 430 | 431 | 681 | 225 | 33 | 21 | .251 | 11 | 7 | 9 | NP_001036020.1 | Q8WU20 |
| 621 | PK758 | PDGFRa | Y762 | Platelet-derived growth factor receptor kinase alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4684 | 5040 | 6104 | 6588 | 4752 | 5434 | 770 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5598 | 5986 | 8022 | 7437 | 5783 | 6565 | 976 | 15 | 21 | .005 | 2 | 9 | 4 | NP_006197.1 | P16234 |
| 547 | PN199 | Myc | T58 | Myc proto-oncogene protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1627 | 1269 | 2500 | 2786 | 2035 | 2043 | 554 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1718 | 1917 | 2558 | 2956 | 3160 | 2462 | 564 | 23 | 21 | .112 | 2 | 9 | 3 | NP_002458.2 | P01106 |
| 805 | PN078-PN135 | STAT1 | S727 | Signal transducer and activator of transcription 1 alpha | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 637 | 665 | 602 | 720 | 387 | 602 | 114 | 19 | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 399 | 625 | 1172 | 722 | 701 | 724 | 252 | 35 | 20 | .441 | 7 | 10 | 8 | NP_009330 | P42224 |
| 614 | PN059 | Paxillin 1 | Y31 | Paxillin 1 | 0, 0 | 0, 0 | 1, 1 | 1, 1 | 0, 0 | 23 | 14 | 537 | 801 | 377 | 350 | 303 | 86 | 1, 1 | 0, 0 | 1, 1 | 1, 1 | 0, 0 | 571 | 14 | 14 | 15 | 1488 | 420 | 576 | 137 | 20 | .850 | 3 | 9 | 8 | NP_002850 | P49023 |
| 232 | PK121 | EGFR | T693 | Epidermal growth factor receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 613 | 394 | 973 | 1158 | 759 | 779 | 267 | 34 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 389 | 459 | 1047 | 983 | 1788 | 933 | 504 | 54 | 20 | .535 | 11 | 7 | 5 | NP_005219 | P00533 |
| 284 | PK016-3 | ERK5 | T218+Y220 | Extracellular regulated protein-serine kinase 5 (Big MAP kinase 1 (BMK1)) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 998 | 495 | 1154 | 1228 | 793 | 934 | 265 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 712 | 1338 | 1453 | 970 | 1113 | 1117 | 264 | 24 | 20 | .431 | 1 | 7 | 7 | NP_620602 | Q13164 |
| 736 | PN066 | Rb | S612 | Retinoblastoma-associated protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1434 | 2759 | 1521 | 1621 | 1383 | 1744 | 514 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2104 | 2559 | 2266 | 2029 | 1474 | 2086 | 356 | 17 | 20 | .126 | 6 | 10 | 3 | NP_000312 | P06400 |
| 552 | NK117-5 | Nek2 | Pan-specific | NIMA (never-in-mitosis)-related protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1332 | 1523 | 1666 | 1847 | 1776 | 1629 | 184 | 11 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1742 | 1865 | 1779 | 2397 | 1956 | 1948 | 236 | 12 | 20 | .015 | 5 | 8 | 9 | NP_002488 | P51955 |
| 520 | NK103-4 | MKK4 | Pan-specific | MAPK/ERK protein-serine kinase 4 (MKK4) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6512 | 10475 | 8223 | 8570 | 7665 | 8289 | 1297 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7865 | 9655 | 11751 | 11601 | 8564 | 9887 | 1569 | 16 | 19 | .110 | 3 | 9 | 2 | NP_003001 | P45985 |
| 239 | NN038-1 | eIF2a | Pan-specific | Eukaryotic translation initiation factor 2 alpha | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 194 | 61 | 232 | 706 | 411 | 321 | 223 | 69 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 74 | 164 | 625 | 563 | 485 | 382 | 221 | 58 | 19 | .559 | 2 | 7 | 2 | NP_004085 | P05198 |
| 768 | PK147 | S6K | T412 | Ribosomal protein S6 kinase beta-1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 75 | 41 | 48 | 52 | 118 | 67 | 28 | 42 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 79 | 106 | 76 | 57 | 79 | 79 | 16 | 20 | 19 | .498 | 8 | 10 | 5 | NP_003152 | P23443 |
| 202 | NP006 | DUSP1 (MKP1) | Pan-specific | MAP kinase phosphatase  1 (CL100, VH1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1351 | 1836 | 1065 | 1396 | 1248 | 1379 | 255 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1627 | 2060 | 1568 | 1361 | 1581 | 1640 | 229 | 14 | 19 | .041 | 2 | 8 | 9 | NP_004408 | P28562 |
| 744 | NN170 | RelB | Pan-specific | Transcription factor RelB | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 690 | 296 | 921 | 1688 | 859 | 891 | 454 | 51 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 511 | 636 | 1195 | 1391 | 1561 | 1059 | 415 | 39 | 19 | .408 | 9 | 9 | 10 | NP_006500.2 | Q01201 |
| 98 | NN017-2 | Caspase 7 | Pan-specific | Caspase 7 (ICE-like apoptotic protease 3 (ICE-LAP3), Mch3) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1313 | 803 | 1695 | 1442 | 1330 | 1317 | 291 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 909 | 1151 | 1869 | 2237 | 1655 | 1564 | 481 | 31 | 19 | .269 | 4 | 6 | 8 | NP_01218 | P55210 |
| 514 | NK101-4 | MKK3 | Pan-specific | MAPK/ERK protein-serine kinase 3 beta isoform (MKK3 beta) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6181 | 7327 | 7069 | 8938 | 5746 | 7052 | 1104 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6068 | 7885 | 8682 | 10148 | 9098 | 8376 | 1366 | 16 | 19 | .087 | 7 | 9 | 1 | NP_002747 | P46734 |
| 414 | NK085 | JAK2 | Pan-specific | Janus protein-tyrosine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 929 | 594 | 1075 | 1431 | 1030 | 1012 | 269 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 615 | 1006 | 1098 | 1372 | 1893 | 1197 | 424 | 35 | 18 | .419 | 3 | 8 | 5 | NP_004963 | O60674 |
| 4 | CN005 | 4G10 | pTyr | Phosphotyrosine (Clone 4G10) | 1, 1 | 1, 1 | 1, 1 | 0, 0 | 1,1 | 2683 | 1845 | 26 | 6034 | 118 | 2141 | 2196 | 103 | 1, 1 | 1, 1 | 1, 1 | 1, 1 | 1, 0 | 3829 | 3626 | 2720 | 15 | 2466 | 2531 | 1361 | 54 | 18 | .822 | 16 | 6 | 1 | | |
| 498 | NK104-3 | MEK5 | Pan-specific | MAPK/ERK protein-serine kinase 5 (MKK5) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4053 | 4433 | 3822 | 2717 | 2687 | 3542 | 713 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5878 | 4273 | 5212 | 2933 | 2629 | 4185 | 1258 | 30 | 18 | .187 | 8 | 9 | 2 | NP_660143 | Q13163 |
| 131 | PK007-3 | CDK1/2 | Y15 | Cyclin-dependent protein-serine kinase 1/2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 350 | 176 | 551 | 542 | 252 | 374 | 151 | 40 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 219 | 330 | 678 | 511 | 472 | 442 | 157 | 36 | 18 | .352 | 3 | 6 | 10 | NP_001777 | P06493 |
| 249 | PN149 | Elk1 | S383 | ETS domain-containing protein Elk-1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 425 | 401 | 482 | 528 | 350 | 437 | 62 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 378 | 432 | 551 | 499 | 721 | 516 | 118 | 23 | 18 | .359 | 10 | 7 | 4 | NP_001107595.1 | P19419 |
| 843 | CN002 | Tubulin | Pan-specific | Tubulin | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1115 | 1087 | 1226 | 1251 | 1088 | 1153 | 71 | 6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1659 | 1825 | 1606 | 989 | 719 | 1359 | 427 | 31 | 18 | .404 | 1 | 10 | 6 | NP_001061.2 | P23258 |
| 468 | NN067 | Mcl1 | Pan-specific | Myeloid cell leukemia differentiation protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2891 | 3919 | 2074 | 1477 | 4290 | 2930 | 1065 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3209 | 3863 | 4148 | 3614 | 2399 | 3447 | 608 | 18 | 18 | .528 | 1 | 8 | 6 | NP_068779 | Q07820 |
| 819 | NK174 | Syk | Pan-specific | Spleen protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8414 | 7058 | 7810 | 8894 | 5043 | 7444 | 1349 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8529 | 8003 | 10155 | 8076 | 8993 | 8751 | 787 | 9 | 18 | .195 | 10 | 10 | 6 | NP_003168 | P43405 |
| 855 | NK226-2 | VGFR1 | Pan-specific | Vascular endothelial growth factor receptor 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9841 | 10528 | 10982 | 11573 | 9323 | 10449 | 799 | 8 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12690 | 11132 | 12562 | 12327 | 12677 | 12278 | 588 | 5 | 17 | .030 | 1 | 10 | 9 | NP_001153392.1 | P17948 |
| 291 | PK020 | FAK | S722 | Focal adhesion protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 330 | 1008 | 957 | 909 | 482 | 737 | 277 | 38 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 652 | 999 | 1162 | 812 | 699 | 865 | 191 | 22 | 17 | .176 | 4 | 7 | 9 | NP_005598 | Q05397 |
| 506 | NK229-2 | MELK | Pan-specific | Maternal embryonic leucine zipper kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5136 | 7350 | 4415 | 4876 | 3724 | 5100 | 1223 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6612 | 6643 | 6523 | 5994 | 4120 | 5978 | 958 | 16 | 17 | .143 | 11 | 8 | 9 | NP_001243614.1 | Q14680 |
| 605 | PK130 | PAK1 | T212 | p21-activated kinase 1 (alpha) (serine/threonine-protein kinase PAK 1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1433 | 1256 | 1862 | 2363 | 1258 | 1634 | 426 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1028 | 1717 | 2569 | 1990 | 2274 | 1916 | 527 | 28 | 17 | .383 | 3 | 9 | 6 | NP_002567 | Q13153 |
| 731 | NK155-5 | Raf1 | Pan-specific | Raf1 proto-oncogene-encoded protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4547 | 6240 | 7302 | 7898 | 5438 | 6285 | 1214 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5498 | 5723 | 7383 | 10185 | 8029 | 7364 | 1707 | 23 | 17 | .149 | 6 | 10 | 2 | NP_002871 | P04049 |
| 625 | PK065 | PDGFRb | Y716 | Platelet-derived growth factor receptor kinase beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2516 | 2124 | 3114 | 3280 | 1908 | 2588 | 536 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2169 | 2250 | 4274 | 3540 | 2910 | 3028 | 796 | 26 | 17 | .193 | 10 | 9 | 4 | NP_002600.1 | P09619 |
| 620 | PK063 | PDGFRa | Y754 | Platelet-derived growth factor receptor kinase alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4348 | 2986 | 3207 | 2938 | 1855 | 3067 | 794 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2770 | 5308 | 4883 | 3705 | 1239 | 3581 | 1472 | 41 | 17 | .514 | 3 | 9 | 9 | NP_006197.1 | P16234 |
| 40 | NK205-5 | A-Raf | Pan-specific | A-Raf proto-oncogene serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4830 | 6504 | 5199 | 8405 | 4934 | 5974 | 1355 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5643 | 5515 | 8154 | 8482 | 7071 | 6973 | 1231 | 18 | 17 | .230 | 11 | 6 | 4 | NP_001645.1 | P10398 |
| 149 | NK032 | CDK9 | Pan-specific | Cyclin-dependent protein-serine kinase 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1680 | 2389 | 1363 | 1623 | 1419 | 1695 | 367 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2165 | 2438 | 2114 | 1718 | 1419 | 1971 | 359 | 18 | 16 | .133 | 2 | 6 | 9 | NP_001252.1 | P50750 |
| 153 | NK034-2 | Chk1 | Pan-specific | Checkpoint protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1362 | 1179 | 1396 | 1740 | 2184 | 1572 | 356 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1847 | 2005 | 2112 | 1584 | 1593 | 1828 | 213 | 12 | 16 | .400 | 2 | 6 | 10 | NP_001265 | O14757 |
| 424 | PK669 | JAK3 | Y980+Y981 | Janus protein-tyrosine kinase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2754 | 3460 | 3055 | 3219 | 3344 | 3166 | 246 | 8 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2886 | 3129 | 4526 | 4611 | 3219 | 3674 | 739 | 20 | 16 | .257 | 7 | 8 | 7 | NP_000206 | P52333 |
| 33 | PK523 | ANKRD3 | S438 | Ankyrin repeat domain protein-serine kinase 3 (RIPK4, DIK) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1636 | 1620 | 2832 | 2229 | 3389 | 2341 | 689 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2468 | 2900 | 2767 | 3524 | 1910 | 2714 | 529 | 19 | 16 | .517 | 3 | 6 | 3 | NP_065690.2 | P57078 |
| 532 | NN132 | mMOB1 | Pan-specific | Preimplantation protein 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3372 | 5026 | 4264 | 4556 | 3490 | 4142 | 630 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4361 | 4722 | 4771 | 5888 | 4205 | 4789 | 589 | 12 | 16 | .078 | 6 | 8 | 10 | NP_056202 | Q9Y3A3 |
| 526 | NK106-4 | MKK7 | Pan-specific | MAPK/ERK protein-serine kinase 7 (MKK7) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3823 | 5269 | 3335 | 4892 | 4014 | 4266 | 710 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3704 | 5260 | 6131 | 4937 | 4609 | 4928 | 795 | 16 | 16 | .293 | 11 | 9 | 3 | NP_005034 | O14733 |
| 347 | PN039 | Histone H3 | S28 | Histone H3.3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4389 | 4610 | 5503 | 5337 | 6057 | 5179 | 608 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5376 | 5934 | 6376 | 6144 | 5967 | 5959 | 331 | 6 | 15 | .029 | 2 | 7 | 11 | NP_003521 | P84243 |
| 349 | PN101 | Histone H3 | T3 | Histone H3.3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3327 | 4237 | 4795 | 4924 | 4354 | 4328 | 563 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3908 | 4167 | 5599 | 5342 | 5882 | 4980 | 792 | 16 | 15 | .067 | 10 | 7 | 11 | NP_003521 | P84243 |
| 515 | NK101-5 | MKK3 | Pan-specific | MAPK/ERK protein-serine kinase 3 beta isoform (MKK3 beta) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9209 | 8748 | 9210 | 9280 | 9886 | 9266 | 363 | 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10026 | 11484 | 9692 | 10065 | 12041 | 10662 | 925 | 9 | 15 | .034 | 11 | 9 | 1 | NP_002747 | P46734 |
| 640 | NK127-1 | PKA | Pan-specific | cAMP-dependent protein kinase catalytic subunit alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1,1 | 600 | 509 | 446 | 726 | 272 | 511 | 152 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 514 | 813 | 481 | 400 | 728 | 587 | 157 | 27 | 15 | .611 | 14 | 9 | 8 | NP_002721 | P17612 |
| 453 | PK040 | Lck | Y192 | Lymphocyte-specific protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2324 | 2302 | 2301 | 1941 | 1370 | 2048 | 368 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2871 | 3117 | 2582 | 1824 | 1357 | 2350 | 660 | 28 | 15 | .155 | 2 | 8 | 8 | NP_005347 | P06239 |
| 223 | NP041-3 | DUSP7 | Pan-specific | Dual specificity protein phosphatase 7 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9472 | 11410 | 8482 | 9629 | 7084 | 9216 | 1424 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9673 | 12758 | 10080 | 11765 | 8379 | 10531 | 1553 | 15 | 14 | .014 | 3 | 7 | 4 | NP_001938.2 | Q16829 |
| 859 | NK064-3 | VGFR3 | Pan-specific | Vascular endothelial growth factor receptor-protein-tyrosine kinase 3 (VEGFR3) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13901 | 15274 | 14527 | 16166 | 12304 | 14434 | 1307 | 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 18586 | 16329 | 15071 | 15278 | 17102 | 16473 | 1286 | 8 | 14 | .151 | 1 | 10 | 10 | NP_002011.2 | P35916 |
| 345 | PN037 | Histone H2B | S14 | Histone H2B | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3371 | 5694 | 4828 | 5179 | 4719 | 4758 | 773 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4978 | 4486 | 5232 | 6057 | 6379 | 5426 | 697 | 13 | 14 | .272 | 10 | 7 | 10 | NP_778225 | P33778 |
| 219 | NP040-2 | DUSP6 | Pan-specific | Dual specificity protein phosphatase 6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 873 | 1868 | 1065 | 1570 | 2578 | 1591 | 607 | 38 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1296 | 2635 | 1887 | 1761 | 1486 | 1813 | 460 | 25 | 14 | .558 | 3 | 7 | 3 | NP_001937.2 | Q16828 |
| 309 | PK637 | FGFR3 | Y647+Y648 | Fibroblast growth factor receptor 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7637 | 11307 | 10310 | 9997 | 8649 | 9580 | 1291 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13911 | 12445 | 12321 | 8365 | 7545 | 10918 | 2496 | 23 | 14 | .396 | 12 | 8 | 2 | NP_000133.1 | P22607 |
| 816 | NN107 | STAT6 | Pan-specific | Signal transducer and activator of transcription 6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1132 | 1354 | 803 | 948 | 1039 | 1055 | 185 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2020 | 1327 | 611 | 1201 | 854 | 1203 | 481 | 40 | 14 | .506 | 6 | 10 | 5 | NP_003144 | P42226 |
| 311 | PN194 | FKHR | S256 | Forkhead box protein O1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 506 | 254 | 1019 | 1398 | 564 | 748 | 408 | 55 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 555 | 969 | 833 | 977 | 928 | 852 | 157 | 18 | 14 | .631 | 3 | 7 | 8 | NP_002006.2 | Q12778 |
| 473 | NK099-7 | MEK1 | Pan-specific | MAPK/ERK protein-serine kinase 1 (MKK1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14435 | 22326 | 10817 | 13190 | 10848 | 14323 | 4236 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 17804 | 17502 | 16542 | 15390 | 14336 | 16315 | 1300 | 8 | 14 | .330 | 1 | 8 | 8 | NP_002746 | Q02750 |
| 230 | NK052-5 | EGFR | Pan-specific | Epidermal growth factor receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13172 | 21789 | 16067 | 23324 | 17059 | 18282 | 3748 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 16729 | 20384 | 22418 | 24834 | 19649 | 20803 | 2719 | 13 | 14 | .118 | 11 | 7 | 6 | NP_005219 | P00533 |
| 416 | NK085-3 | JAK2 | Pan-specific | Janus protein-tyrosine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14273 | 22151 | 10313 | 8807 | 14820 | 14073 | 4642 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 24669 | 21099 | 13580 | 8815 | 11859 | 16004 | 5929 | 37 | 14 | .456 | 15 | 8 | 5 | NP_004963 | O60674 |
| 256 | NK054-5 | ErbB2 | Pan-specific | ErbB2 (Neu) receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3997 | 4501 | 4089 | 5127 | 4048 | 4352 | 427 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4911 | 4660 | 4884 | 6180 | 4086 | 4944 | 685 | 14 | 14 | .046 | 10 | 7 | 6 | NP_004439 | P04626 |

## Full Analysis: 10 Individual Wounds

| | | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 1545 | 1490 | 1864 | 1726 | 2278 | | | | | | | | | 1597 | 1688 | 1753 | 1745 | 1646 | | | | | | | | | | |
| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Patient 1-Smaller | Flag-Patient 2-Smaller | Flag-Patient 3-Smaller | Flag-Patient 4-Smaller | Flag-Patient 5-Smaller | Globally Normalized - Patient 1-Smaller | Globally Normalized - Patient 2-Smaller | Globally Normalized - Patient 3-Smaller | Globally Normalized - Patient 4-Smaller | Globally Normalized - Patient 5-Smaller | Average - Smaller | S. Dev. - Smaller | %.S.Dev. Smaller | Flag-Patient 1-Bigger | Flag-Patient 2-Bigger | Flag-Patient 3-Bigger | Flag-Patient 4-Bigger | Flag-Patient 5-Bigger | Globally Normalized - Patient 1-Bigger | Globally Normalized - Patient 2-Bigger | Globally Normalized - Patient 3-Bigger | Globally Normalized - Patient 4-Bigger | Globally Normalized - Patient 5-Bigger | Average - Larger | S. Dev. - Larger | %.S.Dev. - Larger | %CFC - Average Larger from Average Smaller | Student T test p value | Block | Row | Column | Refseq | Uniprot Link |
| 661 | NK137 | PKCg | Pan-specific | Protein-serine kinase C gamma | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1051 | 763 | 1081 | 1088 | 1275 | 1052 | 165 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1078 | 1494 | 1339 | 1100 | 943 | 1191 | 198 | 17 | 13 | .472 | 9 | 9 | 8 | NP_002730 | P05129 |
| 54 | NK193-4 | AurKB | Pan-specific | Aurora Kinase B (serine/threonine protein kinase 12) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1292 | 1273 | 2016 | 2963 | 2467 | 2002 | 660 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1315 | 1292 | 2751 | 3492 | 2483 | 2267 | 853 | 38 | 13 | .161 | 10 | 6 | 2 | NP_004208 | Q96GD4 |
| 342 | NN050 | hHR23B | Pan-specific | UV excison repair protein RAD23 homolog B | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1,1 | 342 | 210 | 292 | 118 | 182 | 229 | 80 | 35 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1,1 | 237 | 420 | 416 | 111 | 109 | 259 | 138 | 53 | 13 | .642 | 14 | 7 | 9 | NP_002865 | P54727 |
| 35 | NN004 | APG1 | Pan-specific | Hsp 70-related heat shock protein 1 (osmotic stress protein 94 (OSP94)) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 859 | 1035 | 839 | 943 | 1441 | 1023 | 220 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 574 | 968 | 951 | 969 | 2321 | 1157 | 601 | 52 | 13 | .538 | 11 | 6 | 3 | NP_055093 | Q95757 |
| 451 | NK092-3 | Lck | Pan-specific | Lymphocyte-specific protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 827 | 809 | 636 | 621 | 595 | 698 | 99 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 628 | 1044 | 1170 | 390 | 711 | 788 | 283 | 36 | 13 | .559 | 14 | 8 | 8 | NP_005347 | P06239 |
| 31 | PK520 | ALK | Y1507 | Anaplastic lymphoma kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4776 | 3493 | 7035 | 3370 | 7177 | 5170 | 1656 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4258 | 4254 | 6650 | 7326 | 6722 | 5842 | 1316 | 23 | 13 | .476 | 11 | 6 | 2 | AAB71619 | Q9UM73 |
| 829 | PN107 | Tau | S422 | Microtubule-associated protein tau | 1, 1 | 1, 1 | 0, 0 | 1, 1 | 0, 0 | 20 | 541 | 24 | 484 | 72 | 228 | 234 | 102 | 1, 1 | 1, 1 | 0, 0 | 1, 1 | 0, 0 | 438 | 11 | 17 | 784 | 41 | 258 | 308 | 120 | 13 | .866 | 14 | 10 | 8 | NP_005901 | P10636 |
| 163 | NK041 | CK2a | Pan-specific | Casein protein-serine kinase 2 alpha/ alpha prime | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3276 | 4091 | 5243 | 5100 | 4864 | 4515 | 736 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5092 | 4128 | 5788 | 5744 | 4703 | 5091 | 631 | 12 | 13 | .170 | 2 | 7 | 1 | NP_001887 | P68400 |
| 821 | PK821 | Syk | Y323 | Spleen protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4090 | 3419 | 5607 | 4858 | 4970 | 4589 | 758 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4603 | 4486 | 5905 | 6649 | 4223 | 5173 | 940 | 18 | 13 | .238 | 2 | 10 | 6 | NP_003168 | P43405 |
| 419 | PK034-2 | JAK2 | Y1007+Y1008 | Janus protein-tyrosine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2740 | 2081 | 3160 | 2820 | 2939 | 2748 | 362 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2113 | 2315 | 3361 | 2849 | 4841 | 3096 | 975 | 31 | 13 | .453 | 7 | 8 | 5 | NP_004963 | O60674 |
| 225 | NP043-2 | DUSP9 | Pan-specific | Dual specificity protein phosphatase 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8433 | 9392 | 10138 | 9268 | 8790 | 9204 | 579 | 6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6645 | 7325 | 12977 | 11705 | 13118 | 10354 | 2803 | 27 | 12 | .425 | 11 | 7 | 4 | NP_001386.1 | Q99956 |
| 422 | NK086-3 | JAK3 | Pan-specific | Janus protein-tyrosine kinase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 16228 | 34589 | 13652 | 17817 | 14151 | 19287 | 7795 | 40 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 23205 | 22423 | 21382 | 17447 | 24009 | 21693 | 2294 | 11 | 12 | .583 | 11 | 8 | 6 | NP_000206 | P52333 |
| 228 | NK052-1 | EGFR | Pan-specific | Epidermal growth factor receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5026 | 5394 | 4517 | 5329 | 4427 | 4938 | 402 | 8 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4624 | 5276 | 7178 | 6150 | 4456 | 5537 | 1014 | 18 | 12 | .341 | 11 | 7 | 7 | NP_005219 | P00533 |
| 442 | NK241-2 | Kit | Pan-specific | Mast/stem cell growth factor receptor Kit | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 49061 | 58080 | 42703 | 44237 | 29106 | 44637 | 9438 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 42769 | 45960 | 44994 | 47453 | 68378 | 49911 | 9358 | 19 | 12 | .588 | 6 | 8 | 6 | NP_006566 | P10721 |
| 410 | PN046-2 | IRS1 | Y1179 | Insulin receptor substrate 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1103 | 1669 | 1395 | 1267 | 2430 | 1573 | 467 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1696 | 2538 | 1841 | 1477 | 1234 | 1757 | 441 | 25 | 12 | .637 | 3 | 8 | 3 | NP_005535 | P35568 |
| 18 | NK129-5 | Akt1 (PKBa) | Pan-specific | RAC-alpha serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10880 | 7953 | 7062 | 5505 | 5427 | 7365 | 2000 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9388 | 9278 | 8381 | 8363 | 5734 | 8229 | 1320 | 16 | 12 | .295 | 4 | 6 | 5 | NP_005154 | P31749 |
| 69 | PK542 | BLK | Y188 | B lymphoid tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12887 | 11854 | 17387 | 16907 | 11617 | 14131 | 2504 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13645 | 13198 | 17525 | 18625 | 15911 | 15781 | 2116 | 13 | 12 | .082 | 6 | 6 | 6 | NP_001706.2 | P51451 |
| 782 | PN183 | Smad1 | S465 | Mothers against decapentaplegic homologs 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 623 | 627 | 457 | 524 | 333 | 513 | 110 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 529 | 596 | 527 | 775 | 425 | 571 | 116 | 20 | 11 | .382 | 4 | 10 | 9 | NP_001003688.1 | Q15797 |
| 591 | PN158 | p53 | S33 | Tumor suppressor protein p53 (antigenNY-CO-13) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 853 | 398 | 655 | 786 | 703 | 679 | 156 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 569 | 685 | 952 | 1006 | 563 | 755 | 189 | 25 | 11 | .561 | 4 | 9 | 8 | NP_000537 | P04637 |
| 215 | NP007-3 | DUSP4 | Pan-specific | Dual specificity protein phosphatase 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 21504 | 30421 | 18256 | 26004 | 21986 | 23634 | 4192 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 22082 | 29315 | 29902 | 26589 | 23545 | 26287 | 3083 | 12 | 11 | .311 | 3 | 7 | 2 | NP_001385.1 | Q13115 |
| 523 | NK105-3 | MKK6 | Pan-specific | MAPK/ERK protein-serine kinase 6 (MKK6) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13103 | 16250 | 9010 | 9790 | 14859 | 12602 | 2809 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 19384 | 16014 | 13127 | 8247 | 13299 | 14014 | 3671 | 26 | 11 | .428 | 15 | 9 | 2 | NP_002749.2 | P52564 |
| 306 | NK063-4 | FGFR2 | Pan-specific | Fibroblast growth factor receptor-tyrosine kinase 2 (BEK) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4962 | 7380 | 4749 | 5108 | 3732 | 5186 | 1198 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8421 | 8179 | 5930 | 3139 | 3075 | 5749 | 2326 | 40 | 11 | .572 | 12 | 8 | 1 | NP_000132.3 | P21802 |
| 1 | NN166 | 4E-BP1 | Pan-specific | Eukaryotic translation initiation factor 4E binding protein 1 (PHAS1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1019 | 430 | 929 | 922 | 678 | 796 | 215 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 431 | 618 | 886 | 1143 | 1328 | 881 | 329 | 37 | 11 | .694 | 4 | 6 | 1 | NP_004086 | Q13541 |
| 853 | PK161 | VEGFR2 | Y1059 | Vascular endothelial growth factor receptor-tyrosine kinase 2 (Flk1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1665 | 823 | 1854 | 1896 | 2052 | 1658 | 435 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1268 | 1725 | 2168 | 2256 | 1762 | 1836 | 354 | 19 | 11 | .495 | 9 | 10 | 8 | NP_002244 | P35968 |
| 313 | NK240-1 | Flt3 | Pan-specific | Receptor-type tyrosine-protein kinase FLT3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6498 | 6984 | 6856 | 9975 | 6847 | 7432 | 1282 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5776 | 7021 | 10040 | 10500 | 7805 | 8228 | 1794 | 22 | 11 | .293 | 11 | 7 | 8 | NP_004110.2 | P36888 |
| 260 | NK231-3 | ErbB3 | Pan-specific | Tyrosine kinase-type cell surface receptor HER3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13404 | 15034 | 11864 | 15998 | 14684 | 14197 | 1432 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 15500 | 13867 | 13739 | 18183 | 17291 | 15716 | 1786 | 11 | 11 | .090 | 6 | 7 | 7 | NP_001005915.1 | P21860 |
| 682 | PN165 | PLCg1 | Y771 | 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 656 | 699 | 820 | 1069 | 1093 | 867 | 183 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 602 | 480 | 1317 | 1217 | 1182 | 960 | 347 | 36 | 11 | .483 | 8 | 10 | 2 | NP_877963.1 | P19174 |
| 60 | NN005 | Bax | Pan-specific | Apoptosis regulator Bcl2-associated X protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2947 | 2376 | 1131 | 1342 | 1706 | 1900 | 673 | 35 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3133 | 2098 | 1070 | 2675 | 1534 | 2102 | 746 | 35 | 11 | .529 | 2 | 6 | 4 | NP_620116 | Q07812 |
| 713 | NP023-3 | PTEN | Pan-specific | Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and protein phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5452 | 6028 | 8776 | 8658 | 7723 | 7328 | 1359 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5613 | 7137 | 9638 | 10023 | 8094 | 8101 | 1623 | 20 | 11 | .026 | 3 | 10 | 4 | NP_000305.3 | P60484 |
| 34 | PN504 | ANXA2 | Y238 | Annexin A2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2247 | 2695 | 3360 | 2462 | 3273 | 2807 | 440 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3199 | 2305 | 2936 | 3715 | 3356 | 3102 | 472 | 15 | 11 | .441 | 7 | 6 | 3 | NP_001002857.1 | P07355 |
| 364 | NN057-3 | Hsp40 | Pan-specific | DnaJ homolog, subfamily B member 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4654 | 4154 | 4284 | 4426 | 3938 | 4291 | 242 | 6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4583 | 4353 | 4372 | 4909 | 5450 | 4733 | 411 | 9 | 10 | .193 | 5 | 7 | 9 | NP_006136 | P25685 |
| 21 | PK072-5 | Akt1 (PKBa) | S473 | RAC-alpha serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 671 | 710 | 717 | 613 | 562 | 655 | 59 | 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 922 | 1107 | 745 | 421 | 413 | 721 | 274 | 38 | 10 | .587 | 12 | 6 | 5 | NP_005154 | P31749 |
| 740 | PN069 | Rb | S807+S811 | Retinoblastoma-associated protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 90 | 99 | 97 | 136 | 174 | 119 | 32 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 94 | 104 | 190 | 132 | 138 | 131 | 34 | 26 | 10 | .604 | 10 | 10 | 4 | NP_000312 | P06400 |
| 641 | PK067 | PKA Ca/b | T197 | cAMP-dependent protein kinase catalytic subunit alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1531 | 2074 | 1456 | 1347 | 1077 | 1497 | 327 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1902 | 2524 | 1970 | 950 | 895 | 1648 | 631 | 38 | 10 | .458 | 2 | 9 | 9 | NP_002721 | P17612 |
| 553 | PK732 | Nek2 | S171 | NIMA (never-in-mitosis)-related protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 18805 | 22832 | 13157 | 11708 | 8848 | 15070 | 5057 | 34 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 23396 | 20911 | 12561 | 15721 | 10314 | 16581 | 4927 | 30 | 10 | .298 | 9 | 8 | 9 | NP_002488 | P51955 |
| 177 | NN149-1 | Crystallin aB | Pan-specific | Crystallin alpha B (heat-shock 20 kDa like-protein) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5474 | 5213 | 6118 | 6070 | 4731 | 5521 | 525 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5145 | 5148 | 6052 | 6037 | 7963 | 6069 | 1028 | 17 | 10 | .461 | 5 | 6 | 10 | NP_001876 | P02511 |
| 320 | NN163 | GADD 153 (CHOP) | Pan-specific | DNA damage-inducible transcript 3 protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1363 | 1950 | 1654 | 1511 | 1847 | 1665 | 214 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1467 | 2348 | 2313 | 1504 | 1487 | 1824 | 414 | 23 | 10 | .414 | 7 | 7 | 10 | - | P35639 |
| 504 | NK108-2 | MEKK2 | Pan-specific | MAPK/ERK kinase kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1406 | 1106 | 1134 | 1390 | 1236 | 1254 | 125 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 759 | 3042 | 990 | 954 | 1122 | 1373 | 842 | 61 | 9 | .811 | 3 | 8 | 9 | NP_006600 | Q9Y2U5 |
| 179 | PN025 | Crystallin aB | S19 | Crystallin alpha B (heat-shock 20 kDa like-protein) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1913 | 964 | 1099 | 1378 | 1125 | 1296 | 336 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1572 | 1713 | 1642 | 1156 | 1006 | 1418 | 283 | 20 | 9 | .607 | 13 | 6 | 9 | NP_001876 | P02511 |
| 425 | PK035-1 | JNK 1/2/3 | T183/Y185 | Jun N-terminus protein-serine kinase (stress-activated protein kinase (SAPK)) 1/2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2949 | 4006 | 3316 | 3619 | 3937 | 3565 | 394 | 11 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3539 | 3783 | 5002 | 4548 | 2581 | 3891 | 839 | 22 | 9 | .566 | 11 | 8 | 7 | NP_002741 | P45983 |
| 862 | PN094 | Vimentin | S33 | Vimentin | 0, 0 | 1, 1 | 1, 1 | 0, 0 | 1,1 | 3159 | 1006 | 2192 | 4642 | 2494 | 2698 | 1196 | 44 | 0, 0 | 1, 1 | 1, 1 | 0, 0 | 1,1 | 1846 | 3105 | 3433 | 4384 | 1955 | 2945 | 951 | 32 | 9 | .712 | 13 | 10 | 10 | NP_003371.2 | P08670 |
| 767 | PN073 | S6 | S235 | 40S ribosomal protein S6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1030 | 655 | 1181 | 1318 | 1226 | 1082 | 233 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 719 | 901 | 1295 | 1342 | 1646 | 1180 | 331 | 28 | 9 | .466 | 4 | 10 | 5 | NP_001001 | P62753 |
| 852 | NN176 | VEGF-C | Pan-specific | Vascular endothelial growth factor C | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1869 | 1197 | 1839 | 2577 | 3770 | 2250 | 876 | 39 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1864 | 1860 | 2764 | 2670 | 3103 | 2452 | 503 | 21 | 9 | .508 | 5 | 10 | 8 | NP_005420.1 | P49767 |
| 370 | NN060-3 | Hsp70 | Pan-specific | Heat shock 70 kDa protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6679 | 4456 | 6353 | 6135 | 3901 | 5505 | 1110 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6573 | 5369 | 5056 | 6305 | 6670 | 5995 | 657 | 11 | 9 | .506 | 9 | 7 | 10 | NP_005336 | P08107 |
| 477 | PK047-2 | MEK1 | S298 | MAPK/ERK protein-serine kinase 1 (MKK1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2277 | 1156 | 2428 | 1881 | 2470 | 2042 | 490 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2611 | 2252 | 2238 | 2463 | 1554 | 2224 | 362 | 16 | 9 | .626 | 9 | 8 | 8 | NP_002746 | Q02750 |
| 701 | PN062 | PRAS40 | T246 | Proline-rich Akt substrate 40 kDa (Akt1S1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1,1 | 484 | 321 | 413 | 222 | 201 | 328 | 108 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 312 | 783 | 300 | 199 | 192 | 357 | 218 | 61 | 9 | .808 | 15 | 9 | 11 | NP_115751 | Q96B36 |
| 617 | NK242-1 | PDGFRa | Pan-specific | Platelet-derived growth factor receptor kinase alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11017 | 11847 | 10149 | 10835 | 6894 | 10149 | 1715 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10150 | 11619 | 11159 | 11996 | 9962 | 10977 | 800 | 7 | 8 | .288 | 7 | 9 | 9 | NP_006197.1 | P16234 |
| 231 | NK052-6 | EGFR | Pan-specific | Epidermal growth factor receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13451 | 14502 | 10178 | 9919 | 12339 | 12078 | 1795 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 15600 | 13656 | 14970 | 7784 | 13270 | 13056 | 2769 | 21 | 8 | .462 | 15 | 7 | 6 | NP_005219 | P00533 |
| 372 | NN061-16 | Hsp90 | Pan-specific | Heat shock 90 kDa protein alpha/beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6149 | 5767 | 5694 | 6512 | 5200 | 5864 | 443 | 8 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6029 | 5382 | 6350 | 5984 | 7937 | 6336 | 859 | 14 | 8 | .477 | 5 | 7 | 11 | NP_005339 | P07900 |
| 218 | NP040-1 | DUSP6 | Pan-specific | Dual specificity protein phosphatase 6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6101 | 7605 | 4706 | 5601 | 7545 | 6312 | 1124 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7679 | 6796 | 7138 | 3061 | 9387 | 6812 | 2077 | 30 | 8 | .622 | 15 | 7 | 2 | NP_001937.2 | Q16828 |
| 717 | PP006-1 | PTEN | S380/T382/T383 | Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and protein phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 886 | 611 | 1053 | 1767 | 1090 | 1081 | 382 | 35 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 560 | 698 | 1359 | 1685 | 1524 | 1165 | 452 | 39 | 8 | .570 | 11 | 10 | 4 | NP_000305 | P60484 |
| 518 | PK713 | MKK3 | S218 | MAPK/ERK protein-serine kinase 3 beta isoform (MKK3 beta) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10238 | 10840 | 7030 | 4617 | 6766 | 7898 | 2321 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13155 | 13919 | 7422 | 3901 | 4013 | 8482 | 4324 | 51 | 7 | .626 | 15 | 8 | 11 | NP_002747.2 | P46734 |
| 832 | PN121 | Tau | T205 | Microtubule-associated protein tau | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 985 | 856 | 1427 | 2582 | 1249 | 1420 | 614 | 43 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 698 | 859 | 1964 | 1939 | 2162 | 1524 | 616 | 40 | 7 | .727 | 6 | 10 | 9 | NP_005901 | P10636 |
| 331 | NN048-2 | Grp78 | Pan-specific | Glucose regulated protein 78 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5913 | 7659 | 6166 | 6636 | 7032 | 6681 | 622 | 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6560 | 7356 | 8741 | 7294 | 5905 | 7171 | 948 | 13 | 7 | .472 | 3 | 8 | 2 | NP_005338 | P11021 |
| 64 | NN007 | Bcl-XL | Pan-specific | Bcl2-like protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6097 | 4918 | 9660 | 7411 | 6896 | 6996 | 1575 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7990 | 6631 | 7818 | 8695 | 6239 | 7475 | 907 | 12 | 7 | .552 | 2 | 6 | 5 | NP_612815 | Q07817 |
| 84 | PN015 | Caldesmon | S789 | Caldesmon | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1175 | 795 | 1357 | 1591 | 781 | 1140 | 316 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 823 | 460 | 1694 | 1814 | 1294 | 1217 | 513 | 42 | 7 | .686 | 5 | 6 | 4 | NP_004333 | Q05682 |
| 541 | PK727 | MST3 | T184 | Mammalian STE20-like protein-serine kinase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4037 | 3547 | 3956 | 3199 | 3665 | 3681 | 301 | 8 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4320 | 3084 | 3778 | 5462 | 2986 | 3926 | 909 | 23 | 7 | .667 | 10 | 9 | 1 | NP_001027467.2 | Q9Y6E0 |
| 810 | PN082-1 | STAT3 | Y704 | Signal transducer and activator of transcription 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1469 | 1075 | 964 | 1246 | 814 | 1114 | 227 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1304 | 1512 | 1534 | 818 | 761 | 1186 | 334 | 28 | 6 | .720 | 11 | 10 | 9 | NP_003141 | P40763 |
| 720 | NP026 | PTP1D/SHP2 | Pan-specific | Protein-tyrosine phosphatase 1D (SHP2, SHPTP2, Syp, PTP2C) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2134 | 663 | 1490 | 3070 | 4141 | 2300 | 1212 | 53 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 871 | 645 | 2531 | 2763 | 5430 | 2448 | 1717 | 70 | 6 | .766 | 10 | 9 | 10 | NP_002825 | Q06124 |
| 41 | PK500 | A-Raf | Y302 | A-Raf proto-oncogene serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5570 | 7299 | 5631 | 6301 | 7562 | 6473 | 827 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6951 | 6983 | 7839 | 3645 | 8988 | 6881 | 1780 | 26 | 6 | .663 | 15 | 6 | 4 | NP_001645.1 | P10398 |
| 303 | PK634 | FGFR1 | Y653+Y654 | Fibroblast growth factor receptor-tyrosine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14002 | 11277 | 13800 | 12695 | 8802 | 12115 | 1919 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12168 | 12648 | 12502 | 15724 | 11273 | 12863 | 1508 | 12 | 6 | .490 | 4 | 8 | 1 | NP_001167534.1 | P11362 |
| 300 | NN043 | FasL | Pan-specific | Tumor necrosis factor ligand, member 6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 446 | 332 | 255 | 355 | 269 | 331 | 68 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 397 | 500 | 344 | 333 | 185 | 352 | 102 | 29 | 6 | .687 | 8 | 7 | 11 | NP_000630 | P48023 |
| 293 | PK021 | FAK | S732 | Focal adhesion protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 453 | 499 | 434 | 524 | 240 | 430 | 100 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 394 | 666 | 498 | 473 | 249 | 456 | 136 | 30 | 6 | .564 | 8 | 7 | 9 | NP_005598 | Q05397 |
| 516 | NK101-6 | MKK3 | Pan-specific | MAPK/ERK protein-serine kinase 3 beta isoform (MKK3 beta) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13989 | 32650 | 9846 | 7815 | 13000 | 15460 | 8873 | 57 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 32588 | 18951 | 11157 | 9548 | 9671 | 16383 | 8812 | 54 | 6 | .868 | 15 | 9 | 1 | NP_002747 | P46734 |
| 802 | PK107 | Src | Y418 | Src proto-oncogene-encoded protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 896 | 967 | 994 | 1248 | 1184 | 1058 | 134 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 460 | 1074 | 1218 | 1037 | 1817 | 1121 | 434 | 39 | 6 | .749 | 3 | 10 | 7 | NP_005408 | P12931 |
| 361 | PN041 | Hsp27 | S78 | Heat shock 27 kDa protein beta 1 (HspB1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5306 | 3411 | 4746 | 4536 | 3932 | 4386 | 656 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4997 | 4385 | 4348 | 5622 | 3878 | 4646 | 604 | 13 | 6 | .462 | 9 | 7 | 8 | NP_001531 | P04792 |
| 557 | PN156 | NFKB p65 | S529 | NF-kappa-B p65 nuclear transcription factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 646 | 218 | 935 | 696 | 570 | 613 | 232 | 38 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 326 | 447 | 667 | 980 | 825 | 649 | 239 | 37 | 6 | .802 | 9 | 8 | 10 | NP_003989 | Q04206 |
| 545 | PK116 | mTOR | S2448 | Mammalian target of rapamycin (FRAP) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 130 | 220 | 168 | 172 | 189 | 176 | 29 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 223 | 321 | 61 | 215 | 109 | 186 | 91 | 49 | 6 | .825 | 10 | 9 | 2 | NP_004949 | P42345 |
| 194 | NN034 | DAXX | Pan-specific | Death-associated protein 6 (BING2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4223 | 3811 | 4777 | 3078 | 2516 | 3681 | 804 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3980 | 4692 | 4527 | 3321 | 2943 | 3892 | 675 | 17 | 6 | .379 | 4 | 7 | 3 | NP_001341 | Q9UER7 |
| 208 | NP046-2 | DUSP12 | Pan-specific | Dual specificity protein phosphatase 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1488 | 2247 | 1576 | 1450 | 1822 | 1716 | 295 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1566 | 1975 | 1528 | 1570 | 2431 | 1814 | 349 | 19 | 6 | .538 | 8 | 7 | 6 | NP_009171.1 | Q9UNI6 |
| 117 | NP002-2 | Cdc25B | Pan-specific | Cell division cycle 25B phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7324 | 8767 | 8260 | 8101 | 5854 | 7661 | 1015 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8565 | 9591 | 9231 | 5362 | 7726 | 8095 | 1507 | 19 | 6 | .622 | 12 | 7 | 1 | NP_004349 | P30305 |
| 492 | PK051-2 | MEK3/6 | 189/193/S207/21 | MAPK/ERK protein-serine kinase 3 beta isoform (MKK3 beta) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2526 | 2666 | 2389 | 1779 | 1859 | 2244 | 359 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2285 | 3417 | 2839 | 1719 | 1578 | 2368 | 689 | 29 | 6 | .577 | 4 | 9 | 1 | NP_002747 | P46734 |
| 421 | NK086-2 | JAK3 | Pan-specific | Janus protein-tyrosine kinase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7763 | 8118 | 8142 | 9791 | 12125 | 9188 | 1628 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6834 | 10104 | 11136 | 10519 | 9825 | 9684 | 1492 | 15 | 5 | .632 | 7 | 8 | 6 | NP_000206 | P52333 |
| 469 | PN169 | MDM2 | S166 | Double minute 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1233 | 915 | 1613 | 2008 | 1333 | 1420 | 369 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 970 | 1310 | 2216 | 1812 | 1174 | 1496 | 454 | 30 | 5 | .689 | 5 | 8 | 6 | NP_001138809.1 | Q00987 |
| 141 | NK028-2 | CDK5 | Pan-specific | Cyclin-dependent protein-serine kinase 5 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8114 | 7301 | 6204 | 6945 | 4280 | 6569 | 1299 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7910 | 7194 | 7015 | 7484 | 4962 | 6913 | 1021 | 15 | 5 | .175 | 2 | 6 | 7 | NP_004926 | Q00535 |
| 683 | PN144 | PLCg1 | Y783 | 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 295 | 174 | 294 | 325 | 199 | 257 | 59 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 145 | 275 | 335 | 301 | 298 | 271 | 66 | 24 | 5 | .788 | 4 | 10 | 2 | NP_877963.1 | P19174 |
| 509 | NK110-3 | Met | Pan-specific | Hepatocyte growth factor (HGF) receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6128 | 6015 | 6195 | 5703 | 3543 | 5517 | 1001 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5651 | 6318 | 7108 | 6185 | 3739 | 5800 | 1131 | 20 | 5 | .279 | 7 | 8 | 11 | NP_000236.2 | P08581 |
| 375 | NN165-1 | hsp90b | Pan-specific | Heat shock 90 kDa protein beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9961 | 6291 | 9949 | 10051 | 6400 | 8530 | 1785 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8673 | 7598 | 8110 | 10108 | 10319 | 8961 | 1079 | 12 | 5 | .697 | 9 | 7 | 11 | NP_031381 | P08238 |
| 280 | PK624 | ERK4 | S186 | Extracellular regulated protein-serine kinase 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7261 | 4705 | 4631 | 4349 | 4818 | 5153 | 1065 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6306 | 4826 | 5870 | 7340 | 2679 | 5404 | 1583 | 29 | 5 | .791 | 5 | 7 | 6 | NP_001278968.1 | P31152 |
| 441 | NN153 | KDEL Receptor (KR10 | Pan-specific | ER lumen protein retaining receptor 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5298 | 3606 | 6713 | 8025 | 6088 | 5946 | 1471 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4822 | 5586 | 6270 | 7189 | 7254 | 6224 | 934 | 15 | 5 | .639 | 6 | 8 | 5 | NP_006792.1 | P24390 |
| 46 | PK143 | ASK1 | S966 | Apoptosis signal regulating protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 341 | 282 | 526 | 645 | 552 | 469 | 136 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 375 | 256 | 705 | 475 | 643 | 491 | 166 | 34 | 5 | .730 | 15 | 6 | 5 | NP_005914 | Q59GL6 |
| 846 | NK181-3 | TYK2 | Pan-specific | Protein-tyrosine kinase 2 (Jak-related) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5812 | 3872 | 4349 | 4556 | 3702 | 4458 | 744 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4771 | 4650 | 5317 | 5494 | 3089 | 4664 | 849 | 18 | 5 | .656 | 5 | 10 | 6 | NP_003322 | P29597 |
| 355 | NN054-2 | Hsc70 | Pan-specific | Heat shock 70 kDa protein 8 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6324 | 6802 | 7307 | 7811 | 5939 | 6836 | 669 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7200 | 6485 | 6750 | 8044 | 7282 | 7152 | 533 | 7 | 5 | .426 | 2 | 8 | 2 | NP_003521 | P84243 |
| 44 | NK007 | ASK1 | Pan-specific | Apoptosis signal regulating protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1012 | 1045 | 1156 | 1163 | 2169 | 1309 | 434 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 731 | 1307 | 1495 | 1386 | 1915 | 1367 | 381 | 28 | 4 | .689 | 7 | 6 | 6 | NP_005914 | Q99683 |
| 9 | PK001 | Abl | Y393 | Abelson proto-oncogene-encoded protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 339 | 553 | 661 | 637 | 415 | 521 | 125 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 521 | 741 | 722 | 386 | 352 | 544 | 163 | 30 | 4 | .795 | 12 | 6 | 2 | NP_005148 | P00519 |
| 304 | NK063-2 | FGFR2 | Pan-specific | Fibroblast growth factor receptor-tyrosine kinase 2 (BEK) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11984 | 17366 | 9423 | 7219 | 10482 | 11295 | 3409 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 16654 | 15874 | 11962 | 6698 | 7584 | 11754 | 4098 | 35 | 4 | .756 | 16 | 8 | 1 | NP_000132.3 | P21802 |
| 869 | NK254-3 | WNK3 | Pan-specific | Serine/threonine-protein kinase WNK3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2845 | 3658 | 1948 | 1790 | 2937 | 2636 | 688 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2780 | 4184 | 2381 | 2806 | 1554 | 2741 | 852 | 31 | 4 | .811 | 15 | 10 | 11 | NP_001002838.1 | Q9BYP7 |
| 499 | NK104-4 | MEK5 | Pan-specific | MAPK/ERK protein-serine kinase 5 (MKK5) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5595 | 7863 | 5044 | 5360 | 5232 | 5819 | 1038 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8061 | 8922 | 6702 | 3140 | 3267 | 6018 | 2405 | 40 | 3 | .846 | 12 | 9 | 2 | NP_660143 | Q13163 |
| 391 | NN065 | IkBb | Pan-specific | Inhibitor of NF-kappa-B beta (thyroid receptor interacting protein 9) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1038 | 1960 | 623 | 437 | 1306 | 1073 | 539 | 50 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2089 | 1755 | 505 | 628 | 571 | 1110 | 673 | 61 | 3 | .907 | 16 | 8 | 4 | NP_002494 | Q15653 |
| 181 | NK234-3 | CSF1R | Pan-specific | Macrophage colony-stimulating factor 1 receptor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11491 | 7291 | 7066 | 8316 | 5511 | 7935 | 1992 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9999 | 8211 | 8292 | 9623 | 4867 | 8198 | 1810 | 22 | 3 | .665 | 13 | 6 | 10 | NP_001275634.1 | P07333 |
| 6 | PK503 | AAK1 | S637 | AP2-associated protein kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7707 | 6007 | 7816 | 4841 | 5849 | 6444 | 1148 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8918 | 6714 | 5986 | 5690 | 5960 | 6654 | 1182 | 18 | 3 | .718 | 8 | 6 | 2 | NP_055726.3 | Q2M2I8 |
| 868 | NK254-1 | WNK3 | Pan-specific | Serine/threonine-protein kinase WNK3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6994 | 9721 | 6114 | 5364 | 5724 | 6783 | 1566 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9725 | 8793 | 7809 | 4036 | 4606 | 6994 | 2272 | 32 | 3 | .814 | 11 | 10 | 11 | NP_001002838.1 | Q9BYP7 |
| 527 | NK106-5 | MKK7 | Pan-specific | MAPK/ERK protein-serine kinase 7 (MKK7) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7040 | 8527 | 5164 | 4279 | 6168 | 6236 | 1475 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9819 | 8573 | 5628 | 2941 | 5163 | 6425 | 2470 | 38 | 3 | .808 | 15 | 9 | 3 | NP_005034 | O14733 |
| 556 | NN071 | NFkappaB p65 | Pan-specific | NF-kappa-B p65 nuclear transcription factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2076 | 2428 | 861 | 1313 | 1077 | 1551 | 600 | 39 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2531 | 1570 | 846 | 1637 | 1404 | 1598 | 543 | 34 | 3 | .854 | 5 | 8 | 10 | NP_003989 | Q04206 |
| 457 | PK042-PK144 | LIMK1/2 | Y507/T508 | LIM domain kinase 1/2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1605 | 1310 | 789 | 1104 | 616 | 1085 | 355 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1249 | 1622 | 1125 | 850 | 741 | 1117 | 312 | 28 | 3 | .832 | 5 | 8 | 3 | NP_002305 | P53667 |
| 507 | NK229-3 | MELK | Pan-specific | Maternal embryonic leucine zipper kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12319 | 15960 | 8883 | 7290 | 11048 | 11100 | 2985 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 16578 | 15359 | 10909 | 6013 | 8300 | 11432 | 4033 | 35 | 3 | .804 | 15 | 8 | 9 | NP_001243614.1 | Q14680 |
| 482 | NK100-1 | MEK2 | Pan-specific | MAPK/ERK protein-serine kinase 2 (MKK2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 745 | 510 | 1228 | 702 | 1104 | 858 | 267 | 31 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 653 | 1019 | 1053 | 998 | 686 | 882 | 174 | 20 | 3 | .894 | 12 | 8 | 10 | AAH00471.1 | P36507 |
| 618 | NK242-2 | PDGFRa | Pan-specific | Platelet-derived growth factor receptor kinase alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7189 | 7739 | 6113 | 6660 | 5411 | 6622 | 812 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7717 | 7064 | 7855 | 6608 | 4717 | 6792 | 1131 | 17 | 3 | .727 | 11 | 9 | 9 | NP_006197.1 | P16234 |
| 456 | NK093 | LIMK1 | Pan-specific | LIM domain kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1738 | 896 | 3554 | 3223 | 2503 | 2383 | 972 | 41 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1500 | 1418 | 2337 | 2599 | 4341 | 2439 | 1056 | 43 | 2 | .920 | 1 | 8 | 3 | NP_002305 | P53667 |
| 396 | NN161 | IKKg/NEMO | Pan-specific | I-kappa-B kinase gamma/NF-kappa-B essential modulator | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 585 | 762 | 285 | 109 | 217 | 392 | 244 | 62 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 616 | 512 | 673 | 50 | 150 | 400 | 252 | 63 | 2 | .938 | 4 | 8 | 6 | NP_003630 | Q9Y6K9 |
| 700 | PN532 | PPP1R11 | Y64 | Protein phosphatase 1 regulatory subunit 11 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2161 | 2914 | 2990 | 2758 | 3291 | 2823 | 374 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3023 | 3329 | 4004 | 2680 | 1384 | 2884 | 867 | 30 | 2 | .913 | 11 | 9 | 11 | NP_068778.1 | O60927 |
| 872 | NK214 | YSK1 | Pan-specific | Serine/threonine-protein kinase 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1380 | 2327 | 972 | 1251 | 2053 | 1596 | 510 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1782 | 2055 | 1592 | 1011 | 1710 | 1630 | 345 | 21 | 2 | .874 | 10 | 10 | 11 | NP_006365.2 | O00506 |
| 537 | NK113-1 | MST1 | Pan-specific | Mammalian STE20-like protein-serine kinase 1 (KRS2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 375 | 449 | 499 | 578 | 912 | 562 | 187 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 367 | 525 | 732 | 519 | 729 | 574 | 139 | 24 | 2 | .873 | 10 | 8 | 11 | NP_006273 | Q13043 |
| 860 | NP030 | VHR | Pan-specific | Dual specificity protein phosphatase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5131 | 2401 | 6770 | 7300 | 9322 | 6185 | 2318 | 37 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2766 | 3798 | 5655 | 6618 | 12712 | 6310 | 3475 | 55 | 2 | .908 | 5 | 10 | 10 | NP_004081 | P51452 |
| 562 | PN055-1 | NMDAR1 | S896 | N-methyl-D-aspartate (NMDA) glutamate receptor 1 subunit zeta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 657 | 309 | 702 | 796 | 610 | 615 | 165 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 349 | 688 | 697 | 654 | 746 | 627 | 142 | 23 | 2 | .924 | 13 | 8 | 11 | NP_000823 | Q05586 |
| 636 | PN061 | PED15 (PEA15) | S116 | Phosphoprotein-enriched in diabetes/astrocytes 15 | 0, 0 | 0, 0 | 0, 0 | 1, 0 | 0, 0 | 998 | 1059 | 1531 | 1680 | 1569 | 1368 | 281 | 21 | 0, 0 | 0, 0 | 0, 0 | 1, 0 | 0, 0 | 867 | 1375 | 1532 | 1784 | 1409 | 1394 | 300 | 22 | 2 | .778 | 14 | 9 | 7 | NP_003759 | Q15121 |
| 148 | NK031-5 | CDK8 | Pan-specific | Cyclin-dependent protein-serine kinase 8 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1220 | 1151 | 1498 | 1280 | 2135 | 1457 | 358 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1368 | 1271 | 1704 | 1450 | 1611 | 1481 | 158 | 11 | 2 | .870 | 6 | 6 | 8 | NP_001252 | P49336 |
| 611 | NN085-1 | PARP1 | Pan-specific | Poly [ADP-ribose] polymerase 1 (ADPRT) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11418 | 7291 | 9789 | 15914 | 11636 | 11210 | 2819 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8475 | 9370 | 14587 | 10659 | 13837 | 11385 | 2422 | 21 | 2 | .929 | 11 | 9 | 7 | NP_001609 | P09874 |
| 754 | NK161-3 | RON | Pan-specific | Macrophage-stimulating protein receptor alpha chain | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12290 | 8850 | 6974 | 12713 | 8005 | 9766 | 2315 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10299 | 9615 | 7186 | 10663 | 11712 | 9895 | 1515 | 15 | 1 | .909 | 5 | 10 | 2 | NP_002438 | Q04912 |
| 343 | NN051 | Hip | Pan-specific | Hsp70/Hsc70 interacting protein (ST13) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7803 | 7468 | 7652 | 6631 | 6900 | 7291 | 450 | 6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7069 | 7356 | 7128 | 8264 | 7101 | 7384 | 452 | 6 | 1 | .835 | 2 | 7 | 10 | NP_003923 | P50502 |
| 705 | NK048-5 | PRKDC (DNAPK) | Pan-specific | DNA-activated protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6119 | 7306 | 4354 | 4721 | 9538 | 6407 | 1884 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8858 | 7958 | 6101 | 4760 | 4726 | 6481 | 1675 | 26 | 1 | .958 | 15 | 10 | 1 | NP_001075109.1 | P78527 |
| 784 | PN185 | Smad2 | T220 | Mothers against decapentaplegic homolog 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 768 | 473 | 1121 | 803 | 945 | 822 | 214 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 533 | 783 | 1213 | 767 | 857 | 831 | 220 | 26 | 1 | .928 | 12 | 10 | 9 | NP_001003652 | Q15796 |
| 696 | NP019 | PP4/A'2 | Pan-specific | Protein-serine phosphatase 4 - regulatory subunit (PPX/A'2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7954 | 6663 | 9165 | 8369 | 9807 | 8391 | 1075 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8864 | 8817 | 11147 | 7148 | 6422 | 8480 | 1636 | 19 | 1 | .937 | 11 | 9 | 10 | NP_005125 | Q8TF05 |
| 36 | NN122 | APG2 | Pan-specific | Hsp 70-related heat shock protein 4 (HSP70RY) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1482 | 1533 | 1663 | 1704 | 1925 | 1661 | 155 | 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1377 | 1486 | 1834 | 1007 | 2688 | 1678 | 569 | 34 | 1 | .946 | 15 | 6 | 3 | BAA75062 | P34932 |
| 840 | NK179 | TrkB | Pan-specific | BNDF/NT3/4/5 receptor- tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1554 | 1057 | 1927 | 1966 | 2149 | 1731 | 388 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1382 | 1639 | 2152 | 1663 | 1905 | 1748 | 261 | 15 | 1 | .922 | 5 | 10 | 5 | NP_006171 | Q16620 |
| 353 | NK072 | Hpk1 | Pan-specific | Hematopoetic progenitor protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1210 | 2046 | 1620 | 1449 | 2257 | 1716 | 384 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1568 | 1747 | 1531 | 1682 | 2141 | 1734 | 218 | 13 | 1 | .892 | 10 | 8 | 1 | NP_002096 | P16104 |
| 721 | NP036 | PTPD1 | Pan-specific | Protein-tyrosine phosphatase non-receptor type 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2098 | 2323 | 1565 | 1712 | 1380 | 1816 | 346 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1711 | 2756 | 2571 | 1054 | 1074 | 1833 | 721 | 39 | 1 | .957 | 14 | 9 | 10 | NP_008970.2 | Q16825 |
| 51 | NK008-5 | AurKA | Pan-specific | Aurora Kinase A (serine/threonine protein kinase 6) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3372 | 3452 | 2688 | 2819 | 2685 | 3003 | 338 | 11 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2943 | 3582 | 3035 | 2631 | 2970 | 3032 | 308 | 10 | 1 | .853 | 14 | 6 | 1 | NP_940835 | O14965 |
| 813 | NN105 | STAT5A | Pan-specific | Signal transducer and activator of transcription 5A | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2180 | 2193 | 1356 | 2274 | 1802 | 1961 | 344 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2866 | 2599 | 2012 | 1336 | 1078 | 1978 | 692 | 35 | 1 | .963 | 11 | 10 | 10 | NP_003143 | P42229 |
| 203 | NP006-2 | DUSP1 (MKP1) | Pan-specific | MAP kinase phosphatase  1 (CL100, VH1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 29619 | 31922 | 27108 | 18872 | 22426 | 25989 | 4754 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 29814 | 26638 | 24954 | 22135 | 27523 | 26213 | 2572 | 10 | 1 | .910 | 4 | 7 | 5 | NP_004408.1 | P28562 |
| 684 | PN143 | PLCg2 | Y753 | 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 505 | 383 | 713 | 866 | 497 | 593 | 173 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 301 | 468 | 1224 | 509 | 483 | 597 | 322 | 54 | 1 | .980 | 12 | 10 | 2 | NP_002652.2 | P16885 |
| 368 | NN059-3 | Hsp60 | Pan-specific | Heat shock 60 kDa protein 1 (chaperonin, CPN60) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1462 | 1008 | 2267 | 2748 | 2699 | 2037 | 691 | 34 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1849 | 1242 | 2172 | 2493 | 2498 | 2051 | 470 | 23 | 1 | .919 | 1 | 7 | 11 | NP_002147 | P10809 |
| 259 | NK231-2 | ErbB3 | Pan-specific | Tyrosine kinase-type cell surface receptor HER3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 42403 | 43431 | 32776 | 39160 | 32420 | 38038 | 4661 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 38720 | 38392 | 40311 | 36339 | 37623 | 38277 | 1306 | 3 | 1 | .930 | 2 | 7 | 7 | NP_001005915.1 | P21860 |
| 222 | NP041-2 | DUSP7 | Pan-specific | Dual specificity protein phosphatase 7 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10505 | 11282 | 9635 | 11851 | 11298 | 10914 | 770 | 7 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10684 | 10693 | 10993 | 6585 | 15867 | 10964 | 2945 | 27 | | .976 | 15 | 7 | 3 | NP_001938.2 | Q16829 |
| 352 | NN053 | HO2 | Pan-specific | Heme oxygenase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5991 | 6710 | 7974 | 7138 | 6824 | 6927 | 644 | 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6309 | 5884 | 5770 | 8056 | 8717 | 6947 | 1207 | 17 | | .979 | 6 | 8 | 1 | NP_003923 | P50502 |
| 263 | NK235-3 | ErbB4 | Pan-specific | Receptor tyrosine-protein kinase erbB-4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9576 | 11827 | 5431 | 9740 | 9918 | 9298 | 2098 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12090 | 9340 | 7320 | 10569 | 7292 | 9322 | 1862 | 20 | | .984 | 1 | 7 | 2 | NP_001036064.1 | Q15303 |

# Full Analysis: 10 Individual Wounds

| | | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 1545 | 1490 | 1864 | 1726 | 2278 | | | | | | | | | 1597 | 1688 | 1753 | 1745 | 1646 | | | | | | | | | | |
| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Patient 1-Smaller | Flag-Patient 2-Smaller | Flag-Patient 3-Smaller | Flag-Patient 4-Smaller | Flag-Patient 5-Smaller | Globally Normalized - Patient 1-Smaller | Globally Normalized - Patient 2-Smaller | Globally Normalized - Patient 3-Smaller | Globally Normalized - Patient 4-Smaller | Globally Normalized - Patient 5-Smaller | Average - Smaller | S. Dev. - Smaller | %.S.Dev. Smaller | Flag-Patient 1-Bigger | Flag-Patient 2-Bigger | Flag-Patient 3-Bigger | Flag-Patient 4-Bigger | Flag-Patient 5-Bigger | Globally Normalized - Patient 1-Bigger | Globally Normalized - Patient 2-Bigger | Globally Normalized - Patient 3-Bigger | Globally Normalized - Patient 4-Bigger | Globally Normalized - Patient 5-Bigger | Average - Larger | S. Dev. - Larger | %.S.Dev. - Larger | %CFC - Average Larger from Average Smaller | Student T test p value | Block | Row | Column | Refseq | Uniprot Link |
| 168 | PN148 | Connexin 43 | S367 | Gap junction alpha-1 protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 852 | 585 | 1551 | 1838 | 1345 | 1234 | 457 | 37 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 614 | 1175 | 1514 | 1469 | 1406 | 1236 | 332 | 27 | | .994 | 5 | 6 | 7 | NP_000156.1 | P17302 |
| 544 | NK116-4 | mTOR | Pan-specific | Mammalian target of rapamycin (FRAP) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 17900 | 18402 | 23303 | 27726 | 20821 | 21630 | 3604 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 19306 | 17571 | 22024 | 22587 | 26725 | 21643 | 3127 | 14 | | .995 | 2 | 9 | 2 | NP_004949 | P42345 |
| 146 | PK165 | CDK6 | Y13 | Cyclin-dependent protein-serine kinase 6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 360 | 162 | 401 | 421 | 473 | 363 | 107 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 183 | 314 | 370 | 428 | 520 | 363 | 113 | 31 | | .992 | 10 | 6 | 7 | NP_001250 | Q00534 |
| 465 | PK693 | MAPKAPK5 | T186 | MAP kinase-activated protein kinase 5 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12740 | 10447 | 10550 | 10277 | 7989 | 10401 | 1505 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12378 | 11383 | 10676 | 10978 | 6449 | 10373 | 2044 | 20 | | .953 | 5 | 8 | 5 | NP_003659.2 | Q8IW41 |
| 681 | PK132 | PKR1 | T446 | Double-stranded RNA-dependent protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 295 | 513 | 873 | 525 | 480 | 537 | 187 | 35 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 398 | 454 | 704 | 635 | 483 | 535 | 115 | 22 | | .963 | 8 | 10 | 1 | NP_002750 | P19525 |
| 800 | NK172-3 | Src | Pan-specific | Src proto-oncogene-encoded protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 507 | 1493 | 504 | 604 | 1474 | 916 | 465 | 51 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 806 | 1356 | 764 | 748 | 883 | 911 | 227 | 25 | -1 | .978 | 11 | 10 | 7 | NP_005408 | P12931 |
| 321 | PN196 | GATA1 | S142 | Erythroid transcription factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 518 | 398 | 852 | 1125 | 858 | 750 | 261 | 35 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 257 | 380 | 1297 | 1051 | 747 | 746 | 392 | 53 | -1 | .975 | 11 | 7 | 10 | NP_002040.1 | P15976 |
| 496 | PK052 | MEK4 | S257/T261 | MAPK/ERK protein-serine kinase 4 (MKK4) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1826 | 1649 | 2302 | 1582 | 2309 | 1934 | 314 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2591 | 2653 | 2030 | 1370 | 955 | 1920 | 669 | 35 | -1 | .976 | 12 | 9 | 1 | NP_003001 | P45985 |
| 156 | PK578 | Chk1 | S317 | Checkpoint protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2220 | 2086 | 3918 | 2606 | 3819 | 2930 | 786 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2996 | 1928 | 2824 | 4169 | 2626 | 2909 | 727 | 25 | -1 | .970 | 6 | 6 | 9 | NP_001265 | O14757 |
| 672 | NK140 | PKCt | Pan-specific | Protein-serine kinase C theta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 764 | 573 | 388 | 574 | 539 | 568 | 120 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 491 | 535 | 735 | 535 | 520 | 563 | 87 | 16 | -1 | .968 | 4 | 9 | 11 | NP_006248 | Q04759 |
| 742 | PN070 | Rb | T821 | Retinoblastoma-associated protein 1 | 0, 1 | 0, 1 | 0, 0 | 1, 1 | 0, 0 | 1173 | 1812 | 32 | 886 | 1754 | 1131 | 651 | 58 | 0, 1 | 0, 1 | 0, 0 | 1, 1 | 0, 0 | 1215 | 753 | 1745 | 881 | 1015 | 1122 | 347 | 31 | -1 | .986 | 14 | 10 | 3 | NP_000312 | P06400 |
| 539 | NK114 | MST2 | Pan-specific | Mammalian STE20-like protein-serine kinase 2 (KRS1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7518 | 8255 | 14311 | 13513 | 9939 | 10707 | 2743 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9916 | 9400 | 12473 | 10593 | 10719 | 10620 | 1042 | 10 | -1 | .934 | 2 | 9 | 1 | NP_006272 | Q13188 |
| 387 | NK075-6 | IkB Kinase alpha | Pan-specific | Inhibitor of NF-kappa-B protein-serine kinase alpha (CHUK) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4448 | 3582 | 3627 | 2648 | 4504 | 3762 | 680 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3534 | 5019 | 3687 | 3706 | 2704 | 3730 | 742 | 20 | -1 | .961 | 4 | 8 | 4 | NP_001269 | O15111 |
| 626 | NN141-1 | PDI | Pan-specific | Protein disulfide-isomerase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6533 | 7566 | 9450 | 9502 | 7846 | 8179 | 1145 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7526 | 7391 | 7841 | 9227 | 8550 | 8107 | 689 | 8 | -1 | .881 | 6 | 9 | 5 | NP_000909.2 | P07237 |
| 604 | NK122 | PAK1 | Pan-specific | p21-activated kinase 1 (alpha) (serine/threonine-protein kinase PAK 1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 404 | 1022 | 442 | 272 | 570 | 542 | 258 | 48 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 431 | 1037 | 456 | 343 | 418 | 537 | 253 | 47 | -1 | .900 | 7 | 9 | 6 | NP_002567 | Q13153 |
| 333 | PK648 | GSK3a | T19+pS21 | Glycogen synthase-serine kinase 3 alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8087 | 8864 | 7292 | 5920 | 10690 | 8170 | 1592 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11552 | 8580 | 7739 | 4587 | 7922 | 8076 | 2220 | 27 | -1 | .932 | 15 | 8 | 2 | NP_063937 | P49840 |
| 72 | PK003 | BMX (Etk) | Y40 | Bone marrow X protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 77 | 52 | 155 | 140 | 132 | 111 | 40 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 67 | 98 | 141 | 95 | 148 | 110 | 30 | 28 | -1 | .936 | 14 | 6 | 6 | NP_001712 | P51813 |
| 630 | NN180-1 | PDK2 | Pan-specific | Pyruvate dehydrogenase kinase isoform 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4406 | 4199 | 4849 | 5603 | 5663 | 4944 | 601 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4157 | 4498 | 5356 | 5659 | 4756 | 4885 | 551 | 11 | -1 | .824 | 6 | 9 | 6 | NP_002602 | Q15119 |
| 114 | NP038-2 | Cdc25A | Pan-specific | Cell division cycle 25A phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9875 | 7598 | 11609 | 10340 | 6149 | 9114 | 1970 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7590 | 9313 | 11083 | 9319 | 7700 | 9001 | 1282 | 14 | -1 | .891 | 4 | 7 | 1 | NP_001780.2 | P30304 |
| 602 | NP008 | PAC1 | Pan-specific | Dual specificity MAP kinase protein phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1526 | 1921 | 1879 | 1587 | 2993 | 1981 | 529 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1478 | 2152 | 1794 | 2297 | 2060 | 1956 | 290 | 15 | -1 | .931 | 7 | 9 | 5 | NP_004409 | Q05923 |
| 122 | NK024 | Cdc2L5 | Pan-specific | Cell division cycle 2-like protein-serine kinase 5 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1168 | 886 | 2009 | 1259 | 2105 | 1485 | 483 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1578 | 1182 | 1309 | 1998 | 1264 | 1467 | 297 | 20 | -1 | .955 | 3 | 6 | 8 | NP_003709 | Q14004 |
| 715 | PP003 | PTEN | S380/S382/S385 | Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and protein phosphatase | 0, 0 | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 1175 | 1183 | 706 | 1273 | 895 | 1046 | 212 | 20 | 0, 0 | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 880 | 702 | 1491 | 864 | 1226 | 1033 | 286 | 28 | -1 | .958 | 15 | 10 | 3 | NP_000305 | P60484 |
| 314 | NN044 | Fos | Pan-specific | Fos-c FBJ murine osteosarcoma oncoprotein-related transcription factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3503 | 2911 | 996 | 1479 | 1501 | 2078 | 958 | 46 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2983 | 2459 | 1189 | 2124 | 1496 | 2050 | 647 | 32 | -1 | .903 | 3 | 7 | 9 | NP_005243 | P01100 |
| 426 | PK035-2 | JNK 1/2/3 | T183/Y185 | Jun N-terminus protein-serine kinase (stress-activated protein kinase (SAPK)) 1/2 | 1, 1 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 317 | 586 | 858 | 552 | 543 | 571 | 172 | 30 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 549 | 428 | 638 | 743 | 458 | 563 | 116 | 21 | -1 | .932 | 3 | 8 | 8 | NP_002741 | P45983 |
| 667 | PK085 | PKCh | T655 | Protein-serine kinase C eta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 2555 | 2175 | 3190 | 2992 | 4100 | 3002 | 652 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 2925 | 3116 | 2979 | 2845 | 2916 | 2956 | 91 | 3 | -2 | .902 | 5 | 9 | 9 | NP_006246 | P24723 |
| 88 | PK555 | CaMK2a | T286 | Calcium/calmodulin-dependent protein-serine kinase 2 alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8862 | 7741 | 6936 | 8225 | 6808 | 7714 | 775 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9031 | 8334 | 7037 | 9089 | 4411 | 7580 | 1749 | 23 | -2 | .830 | 5 | 6 | 5 | NP_057065.2 | Q9UQM7 |
| 580 | NK248-3 | p38b MAPK | Pan-specific | Mitogen-activated protein-serine kinase p38 beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7659 | 8934 | 7798 | 4802 | 6369 | 7113 | 1413 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9772 | 7770 | 6225 | 5890 | 5263 | 6984 | 1620 | 23 | -2 | .868 | 8 | 9 | 5 | NP_002742.3 | Q15759 |
| 136 | NK026-6 | CDK2 | Pan-specific | Cyclin-dependent protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1427 | 1266 | 1964 | 1403 | 2599 | 1732 | 495 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1253 | 1815 | 2043 | 2019 | 1372 | 1700 | 329 | 19 | -2 | .929 | 7 | 6 | 11 | NP_001789 | P24941 |
| 74 | NK156-4 | B-Raf | Pan-specific | RafB proto-oncogene-encoded protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13835 | 11664 | 6747 | 12662 | 9832 | 10948 | 2477 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11975 | 10878 | 6825 | 12975 | 11053 | 10741 | 2096 | 20 | -2 | .712 | 9 | 6 | 1 | NP_004324 | P15056 |
| 867 | NK253-3 | WNK2 | Pan-specific | Serine/threonine-protein kinase WNK2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11768 | 9806 | 14972 | 16054 | 13102 | 13141 | 2229 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9840 | 11810 | 15176 | 15206 | 12407 | 12888 | 2064 | 16 | -2 | .721 | 7 | 10 | 11 | NP_001269323.1 | Q9Y3S1 |
| 285 | PK625 | ERK5 | T219+Y221 | Extracellular regulated protein-serine kinase 5 (Big MAP kinase 1 (BMK1)) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5385 | 3281 | 5815 | 5168 | 4891 | 4908 | 868 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5414 | 3981 | 4309 | 6241 | 4112 | 4811 | 876 | 18 | -2 | .849 | 9 | 7 | 7 | NP_002740.2 | Q13164 |
| 658 | NK136-2 | PKCe | Pan-specific | Protein-serine kinase C epsilon | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1373 | 975 | 1349 | 1557 | 2090 | 1469 | 364 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1238 | 1372 | 1504 | 1486 | 1599 | 1440 | 124 | 9 | -2 | .856 | 9 | 9 | 7 | NP_005391 | Q02156 |
| 669 | PK087 | PKCl | T555/T563 | Protein-serine kinase C lambda/iota | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1162 | 359 | 1297 | 1148 | 2097 | 1213 | 552 | 46 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 678 | 473 | 914 | 2129 | 1750 | 1189 | 640 | 54 | -2 | .934 | 9 | 9 | 9 | NP_002731 | P41743 |
| 167 | PN020 | Cofilin 2 | S3 | Cofilin 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2149 | 1255 | 2762 | 3069 | 3379 | 2523 | 753 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1816 | 1983 | 2882 | 3066 | 2612 | 2472 | 492 | 20 | -2 | .847 | 1 | 6 | 7 | NP_068733 | Q9Y281 |
| 288 | PN174 | Ezrin | T567 | Cytovillin 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 133 | 91 | 252 | 281 | 194 | 190 | 71 | 37 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 133 | 169 | 208 | 253 | 168 | 186 | 41 | 22 | -2 | .862 | 8 | 7 | 8 | NP_001104547.1 | P15311 |
| 448 | NK113-3 | Krs-2 | Pan-specific | Mammalian STE20-like protein-serine kinase 1 (KRS2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1123 | 1250 | 1394 | 1514 | 2063 | 1469 | 325 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1247 | 2134 | 1570 | 1244 | 990 | 1437 | 394 | 27 | -2 | .926 | 2 | 8 | 7 | NP_006273 | Q13043 |
| 500 | NK104-5 | MEK5 | Pan-specific | MAPK/ERK protein-serine kinase 5 (MKK5) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8497 | 8465 | 7675 | 5548 | 5765 | 7190 | 1288 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6987 | 7361 | 8550 | 6666 | 5568 | 7026 | 969 | 14 | -2 | .769 | 4 | 9 | 3 | NP_660143 | Q13163 |
| 827 | PN091 | Tau | S400 | Microtubule-associated protein tau | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2249 | 927 | 2007 | 1994 | 1711 | 1778 | 458 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1387 | 930 | 1366 | 2128 | 2866 | 1735 | 684 | 39 | -2 | .911 | 6 | 10 | 8 | NP_005901 | P10636 |
| 305 | NK063-3 | FGFR2 | Pan-specific | Fibroblast growth factor receptor-tyrosine kinase 2 (BEK) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 18448 | 14161 | 20692 | 19426 | 11142 | 16774 | 3570 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 16352 | 17163 | 20997 | 11485 | 15502 | 16300 | 3054 | 19 | -3 | .838 | 8 | 8 | 1 | NP_000132.3 | P21802 |
| 415 | NK085-2 | JAK2 | Pan-specific | Janus protein-tyrosine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 48320 | 55677 | 47720 | 60269 | 74340 | 57265 | 9739 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 42998 | 47565 | 59731 | 45759 | 80921 | 55395 | 13988 | 25 | -3 | .721 | 11 | 8 | 5 | NP_004963 | O60674 |
| 307 | NK236-2 | FGFR3 | Pan-specific | Fibroblast growth factor receptor 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12456 | 8486 | 12311 | 9130 | 6495 | 9776 | 2300 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8009 | 9864 | 10920 | 9507 | 8976 | 9455 | 963 | 10 | -3 | .805 | 4 | 8 | 2 | NP_000133.1 | P22607 |
| 134 | NK026-3 | CDK2 | Pan-specific | Cyclin-dependent protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1054 | 744 | 793 | 806 | 538 | 787 | 165 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 808 | 991 | 906 | 586 | 514 | 761 | 183 | 24 | -3 | .797 | 15 | 6 | 11 | NP_001789 | P24941 |
| 351 | NN052 | HO1 | Pan-specific | Heme oxygenase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7792 | 7942 | 11366 | 10757 | 9264 | 9424 | 1445 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8563 | 7756 | 9300 | 9807 | 10127 | 9111 | 859 | 9 | -3 | .599 | 2 | 8 | 1 | NP_002124 | P09601 |
| 582 | NK121-2 | p38d MAPK | Pan-specific | Mitogen-activated protein-serine kinase p38 delta (MAPK13) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7570 | 5261 | 4736 | 2947 | 3656 | 4834 | 1589 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6138 | 4877 | 4800 | 4148 | 3403 | 4673 | 905 | 19 | -3 | .723 | 4 | 9 | 6 | NP_002745 | Q15264 |
| 574 | NK120-8 | p38a MAPK | Pan-specific | Mitogen-activated protein-serine kinase p38 alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3881 | 3873 | 3251 | 1747 | 2725 | 3095 | 800 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4844 | 3429 | 2803 | 1621 | 2242 | 2988 | 1105 | 37 | -3 | .717 | 8 | 9 | 4 | NP_001306 | Q16539 |
| 323 | PN034 | GFAP | S8 | Glial fibrillary acidic protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6247 | 2662 | 4947 | 6083 | 6228 | 5234 | 1374 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2671 | 4881 | 5336 | 4274 | 8078 | 5048 | 1763 | 35 | -4 | .875 | 3 | 7 | 11 | NP_002046 | P14136 |
| 629 | NN179-2 | PDK1 | Pan-specific | Pyruvate dehydrogenase kinase isoform 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9567 | 10537 | 7752 | 8278 | 7995 | 8826 | 1060 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11351 | 10673 | 7979 | 6179 | 6301 | 8496 | 2161 | 25 | -4 | .665 | 14 | 9 | 5 | NP_001265478.1 | Q15118 |
| 115 | NP038-3 | Cdc25A | Pan-specific | Cell division cycle 25A phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4175 | 2620 | 5349 | 5763 | 3641 | 4310 | 1141 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3406 | 3647 | 5526 | 4343 | 3820 | 4148 | 754 | 18 | -4 | .723 | 8 | 7 | 1 | NP_001780.2 | P30304 |
| 63 | NN006 | Bcl2 | Pan-specific | B-cell lymphoma protein 2 alpha | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 799 | 493 | 1541 | 2022 | 1145 | 1200 | 539 | 45 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 465 | 615 | 1614 | 671 | 2409 | 1155 | 746 | 65 | -4 | .919 | 14 | 6 | 4 | NP_000624 | P10415 |
| 55 | PK530 | AurKB | S227 | Aurora Kinase B (serine/threonine protein kinase 12) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 17174 | 15629 | 13328 | 9785 | 11556 | 13494 | 2670 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 16496 | 14107 | 11531 | 9547 | 13161 | 12968 | 2347 | 18 | -4 | .432 | 14 | 6 | 2 | NP_004208 | Q96GD4 |
| 431 | NK189-2 | JNK2 | Pan-specific | Jun N-terminus protein-serine kinase (stress-activated protein kinase (SAPK)) 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 30795 | 26570 | 31030 | 27101 | 38880 | 30875 | 4402 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 29800 | 24445 | 28329 | 23097 | 42277 | 29590 | 6800 | 23 | -4 | .368 | 15 | 8 | 8 | NP_002744 | P45984 |
| 505 | NK107-3 | MEKK-NT | Pan-specific | MAPK/ERK kinase kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2164 | 1875 | 2400 | 2056 | 2537 | 2206 | 237 | 11 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1762 | 1929 | 2630 | 2754 | 1481 | 2111 | 497 | 24 | -4 | .766 | 7 | 8 | 9 | XP_042066 | Q13233 |
| 339 | NN169 | HDAC4 | Pan-specific | Histone deacetylase 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 577 | 414 | 777 | 839 | 814 | 684 | 164 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 434 | 522 | 701 | 680 | 936 | 654 | 172 | 26 | -4 | .649 | 2 | 7 | 9 | NP_006028.2 | P56524 |
| 359 | PN042-3 | Hsp25 | S82 | Heat shock 27 kDa protein beta 1 (HspB1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 740 | 577 | 753 | 768 | 665 | 701 | 71 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 507 | 655 | 856 | 592 | 741 | 670 | 120 | 18 | -4 | .692 | 14 | 8 | 2 | NP_003521 | P84243 |
| 277 | NK056-4 | ERK2 | Pan-specific | Extracellular regulated protein-serine kinase 2 (p42 MAP kinase) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 40639 | 33266 | 27033 | 26484 | 25385 | 30561 | 5740 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 29592 | 31623 | 24214 | 26059 | 34454 | 29188 | 3697 | 13 | -4 | .691 | 9 | 7 | 5 | NP_002736 | P28482 |
| 297 | PK151 | FAK | Y576+Y577 | Focal adhesion protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1379 | 505 | 1342 | 1283 | 1486 | 1199 | 353 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 788 | 883 | 1131 | 1504 | 1418 | 1145 | 282 | 25 | -5 | .765 | 4 | 7 | 10 | NP_005598 | Q05397 |
| 797 | NN100 | SPHK1 | Pan-specific | Sphingosine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1604 | 1315 | 2784 | 1999 | 4113 | 2363 | 1005 | 43 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1998 | 1304 | 2536 | 3097 | 2346 | 2256 | 594 | 26 | -5 | .832 | 11 | 10 | 6 | NP_892010 | Q9NYA1 |
| 555 | NN070 | NFkappaB p50 | Pan-specific | NF-kappa-B p50 nuclear transcription factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 652 | 1594 | 417 | 573 | 621 | 771 | 419 | 54 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1061 | 982 | 422 | 690 | 522 | 735 | 250 | 34 | -5 | .840 | 1 | 8 | 10 | NP_003989 | P19838 |
| 152 | NK034 | Chk1 | Pan-specific | Checkpoint protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2044 | 2964 | 1547 | 1594 | 2708 | 2171 | 575 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2343 | 3049 | 1772 | 1168 | 2015 | 2070 | 623 | 30 | -5 | .628 | 14 | 6 | 9 | NP_001265 | O14757 |
| 266 | NK055-3 | ERK1 | Pan-specific | Extracellular regulated protein-serine kinase 1 (p44 MAP kinase) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 19379 | 13859 | 16064 | 19764 | 12377 | 16289 | 2929 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14223 | 17504 | 14738 | 15027 | 16072 | 15513 | 1164 | 8 | -5 | .708 | 5 | 7 | 3 | AAA36142.1 | P27361 |
| 247 | PN193 | eIF4G | S1232 | Eukaryotic translation initiation factor 4 gamma 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 972 | 496 | 1394 | 1497 | 2031 | 1278 | 517 | 40 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 551 | 955 | 1318 | 1361 | 1898 | 1217 | 449 | 37 | -5 | .690 | 2 | 7 | 4 | NP_004944 | Q04637 |
| 404 | PK033 | IR/IGF1R | Y1162/Y1163 | Insulin receptor / Insulin-like growth factor 1 receptor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 107 | 635 | 606 | 591 | 344 | 457 | 204 | 45 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 127 | 625 | 534 | 547 | 341 | 435 | 180 | 41 | -5 | .244 | 4 | 8 | 8 | NP_000866 | P06213 |
| 205 | NP047-2 | DUSP10 | Pan-specific | Dual specificity protein phosphatase 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3511 | 3273 | 3795 | 4347 | 3896 | 3764 | 364 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3146 | 3425 | 4110 | 4053 | 3167 | 3580 | 421 | 12 | -5 | .383 | 12 | 7 | 5 | NP_009138.1 | Q9Y6W6 |
| 369 | NN060-2 | Hsp70 | Pan-specific | Heat shock 70 kDa protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8242 | 4407 | 10684 | 13571 | 9606 | 9302 | 3011 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5289 | 5979 | 8637 | 8103 | 16175 | 8836 | 3878 | 44 | -5 | .835 | 5 | 7 | 10 | NP_005336 | P08107 |
| 790 | NK251-1 | SNF1lK | Pan-specific | Serine/threonine-protein kinase SIK1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 34 | 9 | 32 | 193 | 44 | 62 | 66 | 106 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 12 | 13 | 15 | 236 | 20 | 59 | 88 | 149 | -5 | .811 | 16 | 10 | 10 | NP_775490.2 | P57059 |
| 142 | NK028-4 | CDK5 | Pan-specific | Cyclin-dependent protein-serine kinase 5 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1041 | 994 | 1070 | 1281 | 2781 | 1433 | 681 | 48 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 877 | 1187 | 1709 | 1368 | 1658 | 1360 | 308 | 23 | -5 | .814 | 11 | 7 | 1 | NP_004926 | Q00535 |
| 480 | PK048-2 | MEK1 | T386 | MAPK/ERK protein-serine kinase 1 (MKK1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2523 | 1680 | 1979 | 2152 | 2487 | 2164 | 317 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2234 | 2353 | 2067 | 2064 | 1546 | 2053 | 276 | 13 | -5 | .693 | 13 | 8 | 8 | NP_002746 | Q02750 |
| 433 | NK197-2 | JNK3 | Pan-specific | Jun N-terminus protein-serine kinase (stress-activated protein kinase (SAPKb)) 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10533 | 13780 | 12972 | 14616 | 18588 | 14098 | 2627 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12170 | 11922 | 12256 | 13455 | 17055 | 13371 | 1916 | 14 | -5 | .307 | 6 | 8 | 3 | NP_002744.1 | P53779 |
| 770 | PN074 | Shc1 | Y239/Y240 | SH2 domain-containing transforming protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2393 | 2025 | 1951 | 1236 | 1263 | 1774 | 453 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1604 | 2327 | 1994 | 1496 | 983 | 1680 | 457 | 27 | -5 | .669 | 4 | 10 | 6 | NP_003020 | P29353 |
| 834 | NK220-2 | TBK1 | Pan-specific | Serine/threonine-protein kinase TBK1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2158 | 2506 | 2640 | 1837 | 4058 | 2640 | 762 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1507 | 2688 | 2712 | 3043 | 2554 | 2501 | 522 | 21 | -5 | .774 | 14 | 10 | 9 | NP_037386 | Q9UHD2 |
| 204 | NP006-3 | DUSP1 (MKP1) | Pan-specific | MAP kinase phosphatase 1 (CL100, VH1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 15922 | 12431 | 16908 | 8165 | 9195 | 12524 | 3489 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14950 | 13322 | 12003 | 8751 | 10135 | 11832 | 2207 | 19 | -6 | .567 | 8 | 7 | 5 | NP_004408.1 | P28562 |
| 137 | NK026-7 | CDK2 | Pan-specific | Cyclin-dependent protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1154 | 1292 | 1855 | 1373 | 2953 | 1725 | 658 | 38 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1212 | 1938 | 1859 | 1928 | 1209 | 1629 | 343 | 21 | -6 | .834 | 11 | 6 | 11 | NP_001789 | P24941 |
| 466 | PN050-1 | MARCKS | S152/S156 | Myristoylated alanine-rich protein kinase C substrate | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 275 | 312 | 38 | 44 | 557 | 245 | 193 | 79 | 1, 1 | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 190 | 78 | 154 | 48 | 687 | 231 | 234 | 101 | -6 | .848 | 9 | 8 | 5 | NP_002347 | P29966 |
| 389 | NN064-2 | IkBa | Pan-specific | Inhibitor of NF-kappa-B alpha (MAD3) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 868 | 2046 | 605 | 1179 | 1545 | 1249 | 508 | 41 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 941 | 1773 | 1213 | 864 | 1099 | 1178 | 321 | 27 | -6 | .729 | 3 | 8 | 4 | NP_065390 | P25963 |
| 597 | PK156 | p70 S6K | S424 | Ribosomal protein S6 kinase beta-1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 631 | 384 | 930 | 1033 | 733 | 742 | 228 | 31 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 423 | 434 | 558 | 1117 | 969 | 700 | 288 | 41 | -6 | .720 | 8 | 9 | 9 | NP_003152 | P23443 |
| 264 | NK055-1 | ERK1 | Pan-specific | Extracellular regulated protein-serine kinase 1 (p44 MAP kinase) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14798 | 11884 | 11396 | 13801 | 11950 | 12766 | 1305 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13028 | 11192 | 8599 | 15713 | 11660 | 12038 | 2331 | 19 | -6 | .410 | 13 | 7 | 2 | AAA36142.1 | P27361 |
| 706 | NK048-6 | PRKDC (DNAPK) | Pan-specific | DNA-activated protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 24730 | 31387 | 34774 | 32314 | 38790 | 32399 | 4611 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 19366 | 28254 | 37522 | 30994 | 36461 | 30519 | 6543 | 21 | -6 | .232 | 3 | 10 | 2 | NP_001075109.1 | P78527 |
| 93 | NK022 | CaMKK | Pan-specific | Calcium/calmodulin-dependent protein-serine kinase kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4212 | 2905 | 4404 | 4247 | 4100 | 3973 | 543 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3932 | 3494 | 3218 | 5144 | 2907 | 3739 | 779 | 21 | -6 | .619 | 9 | 6 | 6 | NP_006540 | Q8N5S9 |
| 854 | PK133 | VEGFR2 | Y1214 | Vascular endothelial growth factor receptor-tyrosine kinase 2 (Flk1) | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 323 | 487 | 598 | 698 | 1452 | 712 | 391 | 55 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 351 | 516 | 450 | 1231 | 798 | 669 | 318 | 47 | -6 | .834 | 13 | 10 | 8 | NP_002244 | P35968 |
| 586 | NK059-1 | p38g MAPK | Pan-specific | Mitogen-activated protein-serine kinase p38 gamma (MAPK12) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1335 | 657 | 1483 | 2044 | 1884 | 1481 | 486 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 736 | 699 | 1488 | 1501 | 2534 | 1392 | 669 | 48 | -6 | .715 | 5 | 9 | 3 | NP_002960 | P53778 |
| 450 | NK092-2 | Lck | Pan-specific | Lymphocyte-specific protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1152 | 1842 | 1313 | 1361 | 2280 | 1590 | 415 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1417 | 1625 | 1358 | 1610 | 1445 | 1491 | 107 | 7 | -6 | .654 | 10 | 8 | 8 | NP_005347 | P06239 |
| 158 | NK035 | Chk2 | Pan-specific | Checkpoint protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 1253 | 930 | 1327 | 1134 | 1387 | 1206 | 162 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 754 | 1042 | 1321 | 905 | 1634 | 1131 | 313 | 28 | -6 | .598 | 14 | 6 | 10 | NP_009125 | O96017 |
| 392 | PN168 | IkBe | S22 | NF-kappa-B inhibitor epsilon | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 396 | 204 | 511 | 425 | 350 | 377 | 101 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 151 | 231 | 427 | 496 | 459 | 353 | 136 | 39 | -6 | .724 | 4 | 8 | 5 | NP_004547.2 | O00221 |
| 836 | PK829 | TEC | Y519 | Tyrosine-protein kinase Tec | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1230 | 950 | 1228 | 1964 | 1271 | 1328 | 338 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 731 | 824 | 1447 | 1682 | 1533 | 1243 | 389 | 31 | -6 | .591 | 6 | 10 | 10 | NP_003206.2 | P42680 |
| 454 | PK149 | Lck | Y394 | Lymphocyte-specific protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1695 | 1262 | 2043 | 2147 | 2372 | 1904 | 388 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1284 | 1381 | 1902 | 2012 | 2327 | 1781 | 393 | 22 | -6 | .226 | 10 | 8 | 7 | NP_005347 | P06239 |
| 508 | NK110-2 | Met | Pan-specific | Hepatocyte growth factor (HGF) receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 20733 | 19167 | 21165 | 19226 | 13429 | 18744 | 2774 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14566 | 19483 | 19640 | 15821 | 18077 | 17517 | 2013 | 11 | -7 | .537 | 3 | 8 | 11 | NP_000236.2 | P08581 |
| 32 | PK522 | AMPKa2 | S377 | 5'-AMP-activated protein kinase catalytic subunit alpha-2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10991 | 8236 | 10778 | 8827 | 13069 | 10380 | 1719 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9929 | 8490 | 10823 | 5689 | 13564 | 9699 | 2600 | 27 | -7 | .366 | 15 | 6 | 2 | NP_006243.2 | P54646 |
| 824 | NK175-5 | TAK1 | Pan-specific | TGF-beta-activated protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 731 | 1070 | 1226 | 994 | 1251 | 1055 | 188 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 814 | 1102 | 1289 | 786 | 932 | 985 | 189 | 19 | -7 | .439 | 6 | 10 | 7 | NP_663306 | O43318 |
| 616 | PK756 | PCTK2 | S180 | Cell division protein kinase 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5788 | 4934 | 5209 | 5061 | 6237 | 5446 | 492 | 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5780 | 5696 | 6370 | 4097 | 3478 | 5084 | 1102 | 22 | -7 | .633 | 15 | 9 | 8 | NP_001163935.1 | Q00537 |
| 191 | NN032 | Cyclin G1 | Pan-specific | Cyclin G1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2210 | 2165 | 3295 | 2448 | 2174 | 2458 | 431 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2059 | 2416 | 3361 | 1901 | 1729 | 2293 | 580 | 25 | -7 | .333 | 8 | 7 | 2 | NP_004051 | P51959 |
| 757 | NK163-3 | Ros | Pan-specific | Orosomucoid 1 receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8361 | 11301 | 7222 | 6135 | 5934 | 7791 | 1958 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12473 | 8839 | 4194 | 7042 | 3779 | 7265 | 3201 | 44 | -7 | .716 | 1 | 10 | 3 | NP_002935 | P08922 |
| 308 | NK236-3 | FGFR3 | Pan-specific | Fibroblast growth factor receptor 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4178 | 2942 | 4769 | 4089 | 3970 | 3990 | 592 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3358 | 3313 | 5220 | 3201 | 3502 | 3719 | 757 | 20 | -7 | .400 | 8 | 8 | 2 | NP_000133.1 | P22607 |
| 529 | PN051-1 | MLC | S19 | Myosin regulatory light chain 2, smooth muscle isoform | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 979 | 1766 | 1328 | 1237 | 1853 | 1433 | 329 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1326 | 1441 | 1468 | 1377 | 1063 | 1335 | 145 | 11 | -7 | .659 | 10 | 8 | 9 | NP_291024 | P19105 |
| 481 | PK045-PN007 | MEK1 + B23(NPM) | S217+S221 | B23 (nucleophosmin, numatrin, nucleolar protein NO38) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 138 | 109 | 160 | 221 | 136 | 153 | 38 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 77 | 158 | 141 | 194 | 142 | 142 | 38 | 26 | -7 | .596 | 8 | 8 | 9 | NP_002511 | P06748 |
| 133 | PK565 | CDK11A | T583 | Cell division cycle 2-like 2 protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7124 | 5619 | 6602 | 5215 | 6725 | 6257 | 719 | 11 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6685 | 5979 | 7263 | 4160 | 5012 | 5820 | 1119 | 19 | -7 | .376 | 15 | 6 | 10 | NP_076916.2 | Q9UQ88 |
| 226 | PN509 | eEF1A1 | Y141 | Elongation factor 1-alpha 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3009 | 3730 | 4199 | 3039 | 5093 | 3814 | 780 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3836 | 3191 | 3780 | 2835 | 4084 | 3545 | 461 | 13 | -7 | .427 | 15 | 7 | 4 | NP_001393.1 | P68104 |
| 694 | NP015 | PP2B/Aa | Pan-specific | Protein-serine phosphatase 2B - catalytic subunit - alpha isoform | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8908 | 7315 | 9417 | 6587 | 6472 | 7740 | 1208 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7638 | 8004 | 8539 | 6335 | 5438 | 7191 | 1139 | 16 | -7 | .194 | 3 | 9 | 10 | NP_000935 | Q08209 |
| 229 | NK052-4 | EGFR | Pan-specific | Epidermal growth factor receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 37537 | 33667 | 26425 | 28324 | 29833 | 31157 | 3979 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 31353 | 37879 | 20819 | 24355 | 30185 | 28918 | 5903 | 20 | -7 | .321 | 3 | 7 | 7 | NP_005219 | P00533 |
| 341 | PN188 | HDAC5 | S498 | Histone deacetylase 5 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 995 | 718 | 1612 | 1931 | 2734 | 1598 | 713 | 45 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 656 | 1060 | 1602 | 1730 | 2366 | 1483 | 586 | 40 | -7 | .428 | 10 | 7 | 9 | NP_001015053.1 | Q9UQL6 |
| 254 | NK054-2 | ErbB2 | Pan-specific | ErbB2 (Neu) receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4582 | 3522 | 1581 | 1830 | 1540 | 2611 | 1228 | 47 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4081 | 2566 | 1192 | 2790 | 1471 | 2420 | 1032 | 43 | -7 | .584 | 2 | 7 | 6 | NP_004439 | P04626 |
| 262 | NK235-1 | ErbB4 | Pan-specific | Receptor tyrosine-protein kinase erbB-4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6860 | 6627 | 4808 | 4283 | 5463 | 5608 | 1002 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7739 | 5440 | 4828 | 2736 | 5219 | 5192 | 1594 | 31 | -7 | .393 | 14 | 7 | 7 | NP_001036064.1 | Q15303 |
| 758 | NK163-4 | Ros | Pan-specific | Orosomucoid 1 receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5042 | 3769 | 3158 | 3897 | 3658 | 3905 | 622 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3560 | 4204 | 2891 | 3841 | 3544 | 3608 | 431 | 12 | -8 | .404 | 5 | 10 | 3 | NP_002935 | P08922 |
| 822 | NN171 | Synapsin 1 | Pan-specific | Synapsin 1 isoform Ia | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1440 | 1208 | 1183 | 1778 | 1634 | 1448 | 233 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 703 | 985 | 1832 | 1200 | 1969 | 1338 | 488 | 36 | -8 | .698 | 14 | 10 | 6 | NP_008881 | P17600 |
| 151 | PK575 | CDK9 | T186 | Cyclin-dependent protein-serine kinase 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5242 | 5862 | 4359 | 4173 | 5143 | 4956 | 618 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6339 | 5345 | 4282 | 2480 | 4429 | 4575 | 1281 | 28 | -8 | .449 | 14 | 6 | 8 | NP_001252.1 | P50750 |
| 126 | NK025-1 | CDK1 | Pan-specific | Cyclin-dependent protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1833 | 1453 | 1827 | 1726 | 1271 | 1622 | 223 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1459 | 2221 | 1491 | 1289 | 1026 | 1497 | 398 | 27 | -8 | .609 | 3 | 6 | 9 | NP_001777 | P06493 |
| 278 | NK057-2 | ERK3 | Pan-specific | Extracellular regulated protein-serine kinase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1551 | 1728 | 1839 | 1803 | 2027 | 1789 | 155 | 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1635 | 1804 | 1992 | 1559 | 1257 | 1650 | 246 | 15 | -8 | .461 | 1 | 7 | 6 | NP_002739 | Q16659 |
| 579 | NK248-2 | p38b MAPK | Pan-specific | Mitogen-activated protein-serine kinase p38 beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7875 | 5951 | 7370 | 4216 | 5520 | 6186 | 1314 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5442 | 5547 | 5956 | 5937 | 5628 | 5702 | 208 | 4 | -8 | .529 | 4 | 9 | 5 | NP_002742.3 | Q15759 |
| 189 | NN031 | Cyclin E | Pan-specific | Cyclin E1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7321 | 5410 | 7093 | 4707 | 3832 | 5673 | 1351 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5783 | 6529 | 6393 | 4054 | 3381 | 5228 | 1277 | 24 | -8 | .362 | 4 | 7 | 2 | NP_001229 | P24864 |
| 187 | PN190 | Cyclin B1 | S147 | Cyclin B1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 365 | 186 | 296 | 538 | 666 | 410 | 171 | 42 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 170 | 233 | 388 | 310 | 789 | 378 | 218 | 58 | -8 | .687 | 1 | 7 | 1 | NP_114172 | P14635 |
| 458 | NK227-2 | LKB1 | Pan-specific | Serine/threonine-protein kinase 11 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 17263 | 10722 | 9608 | 17512 | 11081 | 13237 | 3424 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13574 | 13243 | 7612 | 15934 | 10578 | 12188 | 2850 | 23 | -8 | .366 | 9 | 8 | 3 | NP_000446.1 | Q15831 |
| 367 | NN059-2 | Hsp60 | Pan-specific | Heat shock 60 kDa protein 1 (chaperonin, CPN60) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 16860 | 12153 | 20415 | 18908 | 19258 | 17519 | 2918 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14023 | 14590 | 16462 | 15027 | 20509 | 16122 | 2337 | 14 | -8 | .360 | 1 | 7 | 10 | NP_002147 | P10809 |
| 214 | NP030-4 | DUSP3 | Pan-specific | Dual specificity protein phosphatase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4734 | 9422 | 6116 | 5045 | 4090 | 5881 | 1888 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7521 | 5455 | 4951 | 5432 | 3676 | 5407 | 1239 | 23 | -8 | .688 | 16 | 7 | 7 | NP_004081.1 | P51452 |
| 119 | NP003 | Cdc25C | Pan-specific | Cell division cycle 25C phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1570 | 1805 | 1457 | 1563 | 2086 | 1696 | 226 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1467 | 2053 | 1996 | 965 | 1313 | 1559 | 414 | 27 | -8 | .608 | 15 | 6 | 7 | NP_001781 | P30307 |
| 59 | NN000 | Bak | Pan-specific | Bcl2 homologous antagonist/killer (BCK2L7) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 619 | 1184 | 990 | 807 | 1100 | 940 | 204 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 588 | 1033 | 921 | 875 | 897 | 863 | 148 | 17 | -8 | .176 | 14 | 6 | 3 | NP_001179 | Q16611 |
| 282 | NK206-4 | ERK5 | Pan-specific | Extracellular regulated protein-serine kinase 5 (Big MAP kinase 1 (BMK1)) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11486 | 7635 | 8249 | 10950 | 7840 | 9232 | 1642 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9000 | 9141 | 7085 | 11195 | 5936 | 8471 | 1816 | 21 | -8 | .355 | 9 | 7 | 6 | NP_620602 | Q13164 |
| 432 | NK197 | JNK3 | Pan-specific | Jun N-terminus protein-serine kinase (stress-activated protein kinase (SAPKb)) 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1, 0 | 3014 | 4264 | 3607 | 3046 | 3237 | 3434 | 466 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1, 0 | 4800 | 4074 | 2951 | 1693 | 2221 | 3148 | 1149 | 37 | -8 | .633 | 12 | 10 | 5 | NP_002744.1 | P53779 |
| 234 | PK123 | EGFR | Y1110 | Epidermal growth factor receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 988 | 585 | 1030 | 1371 | 1552 | 1105 | 335 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 683 | 809 | 1340 | 744 | 1487 | 1013 | 333 | 33 | -8 | .621 | 15 | 7 | 5 | NP_005219 | P00533 |
| 171 | NK042-2 | COT | Pan-specific | Osaka thyroid oncogene protein-serine kinase (Tpl2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4152 | 4164 | 5206 | 4535 | 5709 | 4753 | 612 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4818 | 3117 | 4393 | 5239 | 4209 | 4355 | 714 | 16 | -8 | .432 | 1 | 6 | 8 | NP_005195 | P41279 |
| 287 | PN198 | Estrongen Receptor | S104 | Estrogen receptor alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1289 | 598 | 1792 | 1813 | 1772 | 1453 | 470 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 708 | 642 | 1839 | 1474 | 1982 | 1329 | 559 | 42 | -9 | .442 | 4 | 7 | 8 | NP_000116.2 | P03372 |
| 128 | PK563 | CDK1 | Y19 | Cyclin-dependent protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1603 | 1596 | 2781 | 2305 | 3198 | 2297 | 635 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2083 | 1038 | 2781 | 3206 | 1394 | 2100 | 814 | 39 | -9 | .698 | 11 | 6 | 9 | NP_001777 | P06493 |
| 445 | PK037 | Kit | Y730 | Mast/stem cell growth factor receptor Kit | 0, 0 | 0, 0 | 0, 0 | 1, 0 | 0, 0 | 1266 | 1665 | 1163 | 902 | 1014 | 1202 | 263 | 22 | 0, 0 | 0, 0 | 0, 0 | 1, 0 | 0, 0 | 1095 | 1272 | 1220 | 1326 | 581 | 1099 | 270 | 25 | -9 | .550 | 14 | 8 | 5 | NP_006566 | P10721 |
| 2 | PN001 | 4E-BP1 | S65 | Eukaryotic translation initiation factor 4E binding protein 1 (PHAS1) | 1, 0 | 0, 0 | 0, 0 | 0, 0 | 1, 0 | 805 | 155 | 110 | 93 | 78 | 248 | 280 | 113 | 1, 0 | 0, 0 | 0, 0 | 0, 0 | 1, 0 | 164 | 313 | 143 | 82 | 431 | 227 | 127 | 56 | -9 | .904 | 12 | 6 | 1 | NP_004086 | Q13541 |
| 578 | NK248-1 | p38b MAPK | Pan-specific | Mitogen-activated protein-serine kinase p38 beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1696 | 3058 | 3419 | 1970 | 2701 | 2569 | 648 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2509 | 3289 | 2320 | 1833 | 1778 | 2346 | 548 | 23 | -9 | .565 | 12 | 9 | 5 | NP_002742.3 | Q15759 |
| 324 | PN178 | GluR1 | S849 | Glutamate receptor 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1249 | 698 | 1975 | 1907 | 1100 | 1386 | 488 | 35 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 733 | 1005 | 1598 | 1356 | 1632 | 1265 | 348 | 27 | -9 | .620 | 7 | 7 | 11 | NP_000818.2 | P42261 |
| 195 | PK591 | DDR1 | Y796+pY797 | Epithelial discoidin domain-containing receptor 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3501 | 2518 | 4646 | 2905 | 3386 | 3391 | 719 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3323 | 2865 | 3572 | 3285 | 2401 | 3089 | 412 | 13 | -9 | .390 | 8 | 7 | 3 | NP_001189450.1 | Q08345 |
| 627 | NK126-2 | PDK1 | Pan-specific | 3-phosphoinositide-dependent protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 995 | 1982 | 1066 | 1109 | 1979 | 1426 | 454 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1434 | 1726 | 1199 | 1164 | 961 | 1297 | 262 | 20 | -9 | .630 | 2 | 9 | 6 | NP_002604 | O15530 |

# Full Analysis: 10 Individual Wounds

| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Patient 1-Smaller | Flag-Patient 2-Smaller | Flag-Patient 3-Smaller | Flag-Patient 4-Smaller | Flag-Patient 5-Smaller | Globally Normalized - Patient 1-Smaller | Globally Normalized - Patient 2-Smaller | Globally Normalized - Patient 3-Smaller | Globally Normalized - Patient 4-Smaller | Globally Normalized - Patient 5-Smaller | Average - Smaller | S. Dev. - Smaller | %S.Dev. Smaller | Flag-Patient 1-Bigger | Flag-Patient 2-Bigger | Flag-Patient 3-Bigger | Flag-Patient 4-Bigger | Flag-Patient 5-Bigger | Globally Normalized - Patient 1-Bigger | Globally Normalized - Patient 2-Bigger | Globally Normalized - Patient 3-Bigger | Globally Normalized - Patient 4-Bigger | Globally Normalized - Patient 5-Bigger | Average - Larger | S. Dev. - Larger | %S.Dev. - Larger | %CFC - Average Larger from Average Smaller | Student T test p value | Block | Row | Column | Refseq | Uniprot Link |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Globally Normalized Median<br>1545 | Globally Normalized Median<br>1490 | Globally Normalized Median<br>1864 | Globally Normalized Median<br>1726 | Globally Normalized Median<br>2278 | | | | | | | | | Globally Normalized Median<br>1597 | Globally Normalized Median<br>1688 | Globally Normalized Median<br>1753 | Globally Normalized Median<br>1745 | Globally Normalized Median<br>1646 | | | | | | | | | | |
| 212 | NP030-2 | DUSP3 | Pan-specific | Dual specificity protein phosphatase 3 | 0, 0 | 0, 0 | 0, 0 | 1, 0 | 0, 0 | 14950 | 21099 | 15066 | 11459 | 10805 | 14676 | 3655 | 25 | 0, 0 | 0, 0 | 0, 0 | 1, 0 | 0, 0 | 19710 | 18115 | 10102 | 10056 | 8726 | 13342 | 4603 | 35 | -9 | .461 | 8 | 7 | 7 | NP_004081.1 | P51452 |
| 474 | NK099-8 | MEK1 | Pan-specific | MAPK/ERK protein-serine kinase 1 (MKK1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 30344 | 15726 | 25787 | 32413 | 23536 | 25561 | 5843 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 22220 | 21097 | 25828 | 27794 | 19149 | 23217 | 3156 | 14 | -9 | .370 | 9 | 8 | 7 | NP_002746 | Q02750 |
| 118 | NP002-3 | Cdc25B | Pan-specific | Cell division cycle 25B phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7226 | 8527 | 6152 | 5576 | 6507 | 6798 | 1017 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6909 | 8043 | 6574 | 4078 | 5207 | 6162 | 1380 | 22 | -9 | .142 | 16 | 7 | 1 | NP_004349 | P30305 |
| 577 | PK739 | p38a MAPK | T180+pY182 | Mitogen-activated protein-serine kinase p38 alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14076 | 8717 | 12228 | 5827 | 5775 | 9325 | 3353 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8503 | 9387 | 9601 | 7817 | 6893 | 8440 | 1003 | 12 | -9 | .564 | 4 | 9 | 4 | NP_001306 | Q16539 |
| 780 | NK250-3 | SIK3 | Pan-specific | Serine/threonine-protein kinase SIK3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5195 | 8045 | 5664 | 6354 | 4812 | 6014 | 1138 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7132 | 6380 | 5514 | 4923 | 3264 | 5443 | 1323 | 24 | -9 | .451 | 12 | 10 | 8 | NP_001268677.1 | Q9Y2K2 |
| 68 | NN009 | Bid | Pan-specific | BH3 interacting domain death agonist | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 740 | 562 | 962 | 754 | 1618 | 927 | 368 | 40 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1021 | 773 | 744 | 899 | 759 | 839 | 106 | 13 | -10 | .698 | 2 | 6 | 6 | NP_001187 | P55957 |
| 427 | PK035-4 | JNK 1/2/3 | T183/Y185 | Jun N-terminus protein-serine kinase (stress-activated protein kinase (SAPK)) 1/ | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1645 | 895 | 1395 | 1298 | 1303 | 1307 | 242 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1387 | 886 | 1587 | 900 | 1149 | 1182 | 273 | 23 | -10 | .284 | 15 | 8 | 7 | NP_002741 | P45983 |
| 847 | NK181-4 | TYK2 | Pan-specific | Protein-tyrosine kinase 2 (Jak-related) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5554 | 3939 | 4779 | 5585 | 5340 | 5039 | 622 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4077 | 4147 | 4662 | 6332 | 3496 | 4543 | 968 | 21 | -10 | .375 | 9 | 10 | 6 | NP_003322 | P29597 |
| 811 | NN117 | STAT4 | Pan-specific | Signal transducer and activator of transcription 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3094 | 2919 | 957 | 1182 | 1213 | 1873 | 931 | 50 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2591 | 2283 | 833 | 1487 | 1244 | 1687 | 654 | 39 | -10 | .343 | 3 | 10 | 10 | NP_003142 | Q14765 |
| 472 | NK099-3 | MEK1 | Pan-specific | MAPK/ERK protein-serine kinase 1 (MKK1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5175 | 4926 | 4369 | 4918 | 4718 | 4821 | 269 | 6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5063 | 4195 | 4349 | 5151 | 2936 | 4339 | 797 | 18 | -10 | .253 | 5 | 8 | 7 | NP_002746 | Q02750 |
| 712 | NP023 | PTEN | Pan-specific | Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and protein phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1755 | 2800 | 1739 | 1800 | 3056 | 2230 | 576 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1898 | 3237 | 1790 | 1565 | 1517 | 2001 | 634 | 32 | -10 | .543 | 15 | 10 | 4 | NP_000305 | P60484 |
| 176 | NN182 | CrkL (32H4) | Pan-specific | Crk-like protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7306 | 4181 | 10144 | 7253 | 7606 | 7298 | 1893 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6623 | 5408 | 7235 | 7372 | 6101 | 6548 | 729 | 11 | -10 | .346 | 9 | 6 | 9 | NP_005198.1 | P46109 |
| 698 | NP020-2 | PP4C (X/C) | Pan-specific | Protein-serine phosphatase X - catalytic subunit (PPX/C) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7151 | 7181 | 9251 | 6087 | 5954 | 7125 | 1181 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6779 | 6954 | 7937 | 5599 | 4629 | 6380 | 1148 | 18 | -10 | .035 | 3 | 9 | 11 | NP_002711 | P60510 |
| 600 | NN123 | p73 | Pan-specific | Tumor suppressor protein p73 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9740 | 8937 | 11258 | 8590 | 12289 | 10163 | 1405 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8402 | 8780 | 7963 | 9120 | 11092 | 9072 | 1081 | 12 | -11 | .168 | 7 | 9 | 4 | NP_005418 | O15350 |
| 762 | PK099 | RSK1/2 | S221/S227 | Ribosomal S6 protein-serine kinase 1/2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1482 | 1088 | 1864 | 2917 | 3091 | 2088 | 789 | 38 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 796 | 1465 | 1834 | 2485 | 2737 | 1863 | 700 | 38 | -11 | .287 | 13 | 10 | 3 | NP_002944 | Q15418 |
| 103 | NN021-1 | Catenin b1 | Pan-specific | Catenin (cadherin-associated protein) beta 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1706 | 1144 | 1956 | 1933 | 1711 | 1690 | 293 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1225 | 1415 | 1411 | 1973 | 1514 | 1508 | 251 | 17 | -11 | .303 | 8 | 6 | 9 | NP_001895 | P35222 |
| 178 | NN149-2 | Crystallin aB | Pan-specific | Crystallin alpha B (heat-shock 20 kDa like-protein) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6335 | 2449 | 6774 | 9099 | 5317 | 5995 | 2163 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3567 | 3584 | 3592 | 7002 | 8981 | 5345 | 2249 | 42 | -11 | .648 | 9 | 6 | 10 | NP_001876 | P02511 |
| 358 | NN152-1 | Hsp25 | Pan-specific | Heat shock 27 kDa protein beta 1 (HspB1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9066 | 7062 | 10811 | 10854 | 10400 | 9639 | 1442 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7153 | 7906 | 9402 | 9440 | 9045 | 8589 | 908 | 11 | -11 | .096 | 1 | 7 | 8 | NP_003521 | P84243 |
| 377 | NN063 | HspBP1 | Pan-specific | Hsp70 binding protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 145 | 186 | 75 | 26 | 126 | 112 | 56 | 50 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 91 | 173 | 32 | 81 | 121 | 99 | 47 | 47 | -11 | .556 | 9 | 8 | 1 | NP_036399 | O95351 |
| 772 | NP044-2 | SHIP1 | Pan-specific | Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4315 | 6278 | 5025 | 5558 | 6152 | 5466 | 729 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6466 | 5393 | 4992 | 3869 | 3606 | 4865 | 1043 | 21 | -11 | .497 | 12 | 10 | 6 | NP_001017915.1 | Q92835 |
| 440 | NP004 | KAP | Pan-specific | Cyclin-dependent kinase associated phosphatase (CDK inhibitor 3, CIP2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1109 | 1656 | 814 | 1022 | 1780 | 1276 | 375 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1452 | 1315 | 948 | 877 | 1088 | 1136 | 217 | 19 | -11 | .481 | 2 | 8 | 5 | NP_005183 | Q16667 |
| 276 | NK056-3 | ERK2 | Pan-specific | Extracellular regulated protein-serine kinase 2 (p42 MAP kinase) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10968 | 8958 | 11446 | 10330 | 10829 | 10506 | 852 | 8 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7935 | 8945 | 10405 | 8724 | 10665 | 9335 | 1039 | 11 | -11 | .100 | 5 | 7 | 5 | NP_002736 | P28482 |
| 238 | PK603 | EGFR | Y998 | Epidermal growth factor receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3510 | 2887 | 3954 | 2620 | 4150 | 3424 | 592 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3692 | 2771 | 3662 | 2738 | 2342 | 3041 | 541 | 18 | -11 | .354 | 15 | 7 | 7 | NP_005219 | P00533 |
| 360 | PN040-2 | Hsp27 | S15 | Heat shock 27 kDa protein beta 1 (HspB1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4085 | 2146 | 4797 | 6052 | 4665 | 4349 | 1275 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2731 | 2904 | 5152 | 4464 | 4055 | 3861 | 923 | 24 | -11 | .349 | 13 | 7 | 8 | NP_002124 | P09601 |
| 689 | NP033 | PP2A B' (B56) | Pan-specific | Protein-serine phosphatase 2A - B regulatory subunit - B56 alpha isoform | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7178 | 6986 | 8556 | 6578 | 8961 | 7652 | 933 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8014 | 8301 | 8279 | 3489 | 5796 | 6776 | 1891 | 28 | -11 | .411 | 12 | 10 | 3 | NP_001186685.1 | Q15172 |
| 722 | NP027 | PTP-PEST | Pan-specific | Protein tyrosine phosphatase, non-receptor type 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1, 0 | 1071 | 1257 | 1541 | 1733 | 3577 | 1836 | 900 | 49 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1, 0 | 1476 | 1688 | 1804 | 1872 | 1281 | 1624 | 218 | 13 | -12 | .707 | 2 | 9 | 11 | NP_001124480.1 | Q05209 |
| 125 | PK558 | CDC7 | T376 | Cell division cycle 7-related protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2111 | 1777 | 2727 | 1890 | 3063 | 2314 | 498 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2229 | 2194 | 2144 | 1968 | 1696 | 2046 | 197 | 10 | -12 | .450 | 15 | 6 | 8 | NP_001127891.1 | O00311 |
| 583 | NK121-3 | p38d MAPK | Pan-specific | Mitogen-activated protein-serine kinase p38 delta (MAPK13) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 17735 | 19505 | 16428 | 12761 | 10903 | 15466 | 3179 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 20371 | 17076 | 10274 | 9944 | 10684 | 13669 | 4262 | 31 | -12 | .285 | 8 | 9 | 6 | NP_002745 | O15264 |
| 865 | NK252-1 | WNK1 | Pan-specific | Serine/threonine-protein kinase WNK1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10688 | 13899 | 8198 | 7967 | 6409 | 9432 | 2621 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10983 | 9304 | 7556 | 7204 | 6629 | 8335 | 1597 | 19 | -12 | .290 | 12 | 10 | 11 | NP_001171914.1 | Q9H4A3 |
| 644 | NK130-5 | PKB2-PCT | Pan-specific | RAC-beta serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4871 | 5563 | 5034 | 3549 | 5499 | 4903 | 727 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5342 | 5678 | 4218 | 2731 | 3687 | 4331 | 1079 | 25 | -12 | .227 | 14 | 9 | 9 | NP_001617 | P31751 |
| 691 | NP035 | PP2A/Bb | Pan-specific | Protein-serine phosphatase 2A - B regulatory subunit - beta isoform | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10925 | 9295 | 13424 | 6546 | 10112 | 10060 | 2236 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10827 | 9643 | 11099 | 4948 | 7913 | 8886 | 2267 | 26 | -12 | .099 | 8 | 10 | 4 | NP_001258828.1 | Q00005 |
| 286 | PK626 | ERK5 | Y221 | Extracellular regulated protein-serine kinase 5 (Big MAP kinase 1 (BMK1)) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 24007 | 19316 | 16941 | 19861 | 19417 | 19908 | 2289 | 11 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 19261 | 21539 | 14879 | 19840 | 12372 | 17578 | 3407 | 19 | -12 | .230 | 13 | 7 | 7 | NP_002740.2 | Q13164 |
| 132 | PK008-1 | CDK1/CDC2 | T161 | Cyclin-dependent protein-serine kinase 1/2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 467 | 372 | 605 | 964 | 648 | 611 | 202 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 184 | 353 | 859 | 634 | 669 | 540 | 240 | 45 | -12 | .539 | 11 | 6 | 10 | NP_001777 | P06493 |
| 814 | PN119 | STAT5A | S780 | Signal transducer and activator of transcription 5A | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2087 | 751 | 1960 | 1563 | 2081 | 1689 | 506 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1161 | 988 | 1709 | 1805 | 1786 | 1490 | 345 | 23 | -12 | .408 | 15 | 10 | 10 | NP_003143 | P42229 |
| 386 | PK658 | IGF1R | Y1346 | Insulin-like growth factor 1 receptor protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1724 | 1169 | 2630 | 1533 | 2180 | 1847 | 509 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1718 | 1233 | 1859 | 2059 | 1251 | 1624 | 330 | 20 | -12 | .459 | 8 | 8 | 3 | NP_000866 | P08069 |
| 77 | PK535 | B-Raf | S729 | RafB proto-oncogene-encoded protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 27038 | 17473 | 22378 | 22264 | 19872 | 21805 | 3176 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 18379 | 15484 | 17007 | 19994 | 24945 | 19162 | 3254 | 17 | -12 | .310 | 5 | 6 | 2 | NP_004324 | P15056 |
| 299 | NN042 | FAS | Pan-specific | Tumor necrosis factor superfamily member 6 (Apo1, CD95) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 940 | 829 | 1287 | 996 | 1402 | 1091 | 217 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 746 | 858 | 1068 | 1106 | 1012 | 958 | 136 | 14 | -12 | .216 | 4 | 7 | 11 | NP_003789 | P25445 |
| 761 | PK158 | RSK1 | T348 | Ribosomal S6 protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 785 | 466 | 892 | 976 | 1022 | 828 | 198 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 424 | 707 | 897 | 629 | 977 | 727 | 197 | 27 | -12 | .423 | 15 | 9 | 4 | NP_002944 | Q15418 |
| 346 | PN038 | Histone H3 | S10 | Histone H3.3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9080 | 7899 | 9636 | 10179 | 10598 | 9478 | 940 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6919 | 8502 | 10419 | 4907 | 10843 | 8318 | 2210 | 27 | -12 | .373 | 14 | 7 | 10 | NP_003521 | P84243 |
| 623 | NK243-1 | PDGFRb | Pan-specific | Platelet-derived growth factor receptor kinase beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5220 | 4874 | 5523 | 5786 | 6439 | 5568 | 531 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4331 | 5792 | 5390 | 3794 | 5116 | 4885 | 725 | 15 | -12 | .245 | 14 | 9 | 4 | NP_002600.1 | P09619 |
| 686 | NP009-2 | PP1/Ca (PP1a) | Pan-specific | Protein-serine phosphatase 1 - catalytic subunit - alpha isoform | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4065 | 3307 | 4879 | 3258 | 5826 | 4267 | 978 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4110 | 3513 | 3717 | 4784 | 2580 | 3741 | 724 | 19 | -12 | .548 | 16 | 10 | 2 | NP_002699 | P62136 |
| 753 | NK161-2 | RON | Pan-specific | Macrophage-stimulating protein receptor alpha chain | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 6450 | 5286 | 5165 | 7487 | 6248 | 6127 | 849 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 5843 | 5806 | 4485 | 5995 | 4725 | 5371 | 633 | 12 | -12 | .113 | 1 | 10 | 2 | NP_002438 | Q04912 |
| 423 | NK086-4 | JAK3 | Pan-specific | Janus protein-tyrosine kinase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7029 | 7875 | 4896 | 7118 | 9701 | 7324 | 1548 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7372 | 8158 | 7880 | 3715 | 4960 | 6417 | 1761 | 27 | -12 | .552 | 15 | 8 | 6 | NP_000206 | P52333 |
| 443 | PK036 | Kit | Y703 | Mast/stem cell growth factor receptor Kit | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1072 | 1557 | 1449 | 1141 | 1893 | 1422 | 297 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1254 | 1180 | 1242 | 1495 | 1058 | 1246 | 143 | 11 | -12 | .448 | 10 | 8 | 5 | NP_006566 | P10721 |
| 294 | PK024 | FAK | S910 | Focal adhesion protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 557 | 816 | 432 | 310 | 212 | 465 | 210 | 45 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 599 | 833 | 452 | 27 | 125 | 407 | 298 | 73 | -12 | .391 | 12 | 7 | 9 | NP_005598 | Q05397 |
| 663 | PK082-2 | PKCg | T514 | Protein-serine kinase C gamma | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5832 | 4455 | 5050 | 6326 | 5035 | 5340 | 659 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4965 | 5573 | 4879 | 4740 | 3188 | 4669 | 793 | 17 | -13 | .278 | 13 | 9 | 8 | NP_002730 | P05129 |
| 510 | PK706 | Met | T1241 | Hepatocyte growth factor (HGF) receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2580 | 2274 | 3213 | 2945 | 3921 | 2987 | 565 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2262 | 2144 | 3521 | 3345 | 1765 | 2608 | 696 | 27 | -13 | .460 | 11 | 8 | 10 | NP_000236 | P08581 |
| 831 | PN090-2 | Tau | S713 | Microtubule-associated protein tau | 0, 0 | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 808 | 505 | 563 | 926 | 338 | 628 | 212 | 34 | 0, 0 | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 828 | 292 | 642 | 954 | 25 | 548 | 344 | 63 | -13 | .359 | 2 | 10 | 9 | NP_005901 | P10636 |
| 144 | NK029 | CDK6 | Pan-specific | Cyclin-dependent protein-serine kinase 6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6277 | 5909 | 9046 | 5335 | 7514 | 6816 | 1324 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7202 | 5168 | 5923 | 6497 | 4952 | 5948 | 834 | 14 | -13 | .378 | 6 | 6 | 7 | NP_001250 | Q00534 |
| 357 | NN062 | Hsp105 | Pan-specific | Heat shock 105 kDa protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 679 | 561 | 687 | 967 | 1610 | 901 | 379 | 42 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 823 | 581 | 720 | 770 | 1034 | 786 | 148 | 19 | -13 | .420 | 10 | 8 | 2 | NP_003521 | P84243 |
| 192 | NN033 | CytoC | Pan-specific | Cytochrome C | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1665 | 1913 | 2018 | 2367 | 2840 | 2160 | 408 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1788 | 2485 | 2502 | 1235 | 1405 | 1883 | 530 | 28 | -13 | .545 | 12 | 7 | 2 | NP_061820 | P99999 |
| 107 | PN018 | Caveolin 2 | S36 | Caveolin 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1065 | 1108 | 395 | 509 | 392 | 694 | 324 | 47 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 681 | 805 | 738 | 451 | 341 | 603 | 177 | 29 | -13 | .515 | 4 | 6 | 10 | NP_001224 | P51636 |
| 647 | PK073 | PKCa | S657 | Protein-serine kinase C alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3461 | 2238 | 3880 | 4565 | 3482 | 3525 | 758 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2344 | 2625 | 2772 | 4100 | 3474 | 3063 | 639 | 21 | -13 | .196 | 9 | 9 | 4 | NP_002728 | P17252 |
| 619 | PK757 | PDGFRa | S847+pY849 | Platelet-derived growth factor receptor kinase alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3986 | 3287 | 4467 | 3097 | 4422 | 3852 | 568 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4115 | 3222 | 4059 | 2981 | 2287 | 3333 | 688 | 21 | -13 | .277 | 15 | 9 | 9 | NP_006197.1 | P16234 |
| 16 | NK129 | Akt1 (PKBa) | Pan-specific | RAC-alpha serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7562 | 4838 | 6181 | 4069 | 4988 | 5528 | 1221 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4213 | 4630 | 5091 | 5647 | 4312 | 4779 | 531 | 11 | -14 | .399 | 4 | 6 | 6 | NP_005154 | P31749 |
| 755 | PK800 | RON | Y1238 | Macrophage-stimulating protein receptor alpha chain | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12817 | 7812 | 6007 | 10825 | 7754 | 9043 | 2442 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9412 | 8394 | 4731 | 8354 | 8153 | 7809 | 1600 | 20 | -14 | .189 | 9 | 10 | 2 | NP_002438 | Q04912 |
| 484 | NK100-5 | MEK2 | Pan-specific | MAPK/ERK protein-serine kinase 2 (MKK2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5777 | 13842 | 8897 | 7160 | 5442 | 8223 | 3062 | 37 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11257 | 8503 | 5766 | 6453 | 3490 | 7094 | 2626 | 37 | -14 | .568 | 16 | 8 | 9 | AAH00471.1 | P36507 |
| 486 | PK049 | MEK2 | T394 | MAPK/ERK protein-serine kinase 2 (MKK2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 784 | 699 | 752 | 530 | 420 | 637 | 139 | 22 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 650 | 867 | 502 | 559 | 166 | 549 | 228 | 42 | -14 | .342 | 12 | 8 | 9 | AAH00471.1 | P36507 |
| 645 | NK134-2 | PKC II | Pan-specific | Protein-serine kinase C beta 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1180 | 1000 | 774 | 1133 | 1409 | 1099 | 210 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 721 | 1370 | 658 | 940 | 1035 | 945 | 254 | 27 | -14 | .346 | 13 | 6 | 8 | AAA60095 | P05771-2 |
| 798 | NN101 | SPHK2 | Pan-specific | Sphingosine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1676 | 1336 | 2894 | 1807 | 3455 | 2234 | 803 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1798 | 1478 | 1866 | 2935 | 1522 | 1920 | 529 | 28 | -14 | .585 | 15 | 10 | 6 | NP_064511 | Q9NRA0 |
| 374 | NN165 | Hsp90b | Pan-specific | Heat shock 90 kDa protein beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3951 | 2910 | 2904 | 4225 | 3385 | 3475 | 537 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2699 | 2581 | 2891 | 3600 | 3160 | 2986 | 364 | 12 | -14 | .085 | 5 | 8 | 1 | NP_031381 | P08238 |
| 334 | PK650 | GSK3a | Y284+Y285 | Glycogen synthase-serine kinase 3 alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1630 | 1951 | 2997 | 1946 | 4262 | 2557 | 970 | 38 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1334 | 1546 | 2278 | 3674 | 2120 | 2190 | 820 | 37 | -14 | .585 | 11 | 8 | 2 | NP_063937 | P49840 |
| 269 | PK865 | ERK1 | T207 | Extracellular regulated protein-serine kinase 1 (p44 MAP kinase) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2336 | 1777 | 3131 | 2489 | 3109 | 2568 | 509 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2280 | 1643 | 1871 | 3267 | 1930 | 2198 | 572 | 26 | -14 | .388 | 1 | 7 | 4 | AAA36142.1 | P27361 |
| 5 | PK502 | A6r | Y309 | Twinfilin-2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4594 | 3444 | 4431 | 3374 | 2972 | 3763 | 635 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3437 | 3409 | 3449 | 3364 | 2425 | 3217 | 397 | 12 | -15 | .081 | 4 | 6 | 2 | NP_009215.1 | Q6IBS0 |
| 788 | NK233-3 | SMG1 | Pan-specific | Lambda/iota protein kinase C-interacting protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 20426 | 19436 | 14863 | 19651 | 18248 | 18525 | 1959 | 11 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 15219 | 15004 | 14485 | 14982 | 19420 | 15822 | 1815 | 11 | -15 | .105 | 12 | 10 | 10 | NP_055907.3 | Q96Q15 |
| 646 | NK132 | PKCa | Pan-specific | Protein-serine kinase C alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1864 | 650 | 1905 | 2598 | 1795 | 1762 | 627 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1056 | 761 | 1727 | 2093 | 1886 | 1504 | 509 | 34 | -15 | .219 | 5 | 9 | 4 | NP_002728 | P17252 |
| 851 | PN543 | VAV1 | Y826 | Vav 1 guanine nucleotide exchange factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1072 | 1018 | 1905 | 1376 | 2610 | 1596 | 597 | 37 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1788 | 977 | 1227 | 1660 | 1149 | 1360 | 310 | 23 | -15 | .569 | 1 | 10 | 8 | NP_001245135.1 | P15498 |
| 483 | NK100-4 | MEK2 | Pan-specific | MAPK/ERK protein-serine kinase 2 (MKK2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5241 | 3843 | 4115 | 3859 | 3620 | 4135 | 575 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3563 | 3320 | 3410 | 4121 | 3193 | 3521 | 323 | 9 | -15 | .121 | 4 | 8 | 10 | AAH00471.1 | P36507 |
| 17 | NK129-3 | Akt1 (PKBa) | Pan-specific | RAC-alpha serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2755 | 3800 | 3683 | 3293 | 4209 | 3548 | 493 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2640 | 3709 | 3436 | 2512 | 2785 | 3016 | 470 | 16 | -15 | .106 | 16 | 6 | 4 | NP_005154 | P31749 |
| 724 | NK154 | Pyk2 | Pan-specific | Protein-tyrosine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2673 | 2712 | 3427 | 3271 | 5787 | 3574 | 1146 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2431 | 2981 | 3986 | 2233 | 3552 | 3037 | 661 | 22 | -15 | .346 | 14 | 9 | 11 | NP_004094 | Q14289 |
| 43 | PN133 | Arrestin b | S412 | Arrestin beta 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1674 | 1772 | 2309 | 1530 | 2954 | 2048 | 524 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1707 | 1710 | 1425 | 2167 | 1689 | 1740 | 239 | 14 | -15 | .417 | 7 | 6 | 5 | NP_004032 | P49407 |
| 751 | NK159-1 | ROKa | Pan-specific | Rho-associated protein kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1633 | 961 | 1076 | 1826 | 1780 | 1455 | 364 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 772 | 864 | 852 | 1350 | 2337 | 1235 | 588 | 48 | -15 | .399 | 5 | 10 | 1 | NP_004841 | O75116 |
| 858 | NK064-2 | VGFR3 | Pan-specific | Vascular endothelial growth factor receptor-protein-tyrosine kinase 3 (VEGFR3) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4343 | 2647 | 2283 | 3133 | 2936 | 3069 | 699 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2582 | 3668 | 2220 | 2997 | 1549 | 2603 | 714 | 27 | -15 | .405 | 13 | 10 | 9 | NP_002011.2 | P35916 |
| 512 | PK054-2 | Met | Y1003 | Hepatocyte growth factor (HGF) receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1160 | 848 | 1272 | 1037 | 1029 | 1069 | 142 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 811 | 1365 | 1026 | 725 | 602 | 906 | 268 | 30 | -15 | .397 | 3 | 8 | 10 | NP_000236.2 | P08581 |
| 848 | NK181-5 | TYK2 | Pan-specific | Protein-tyrosine kinase 2 (Jak-related) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9855 | 6838 | 4361 | 5471 | 3975 | 6100 | 2125 | 35 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5794 | 8498 | 4380 | 4776 | 2386 | 5167 | 2000 | 39 | -15 | .380 | 13 | 10 | 6 | NP_003322 | P29597 |
| 198 | PK595 | DNAPK | T2609 | DNA-activated protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3309 | 2168 | 4158 | 2474 | 3404 | 3103 | 710 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2575 | 2313 | 2479 | 3466 | 2280 | 2623 | 435 | 17 | -15 | .368 | 4 | 7 | 4 | NP_008835 | P78527 |
| 688 | NP011 | PP1/Cg (PP1g1) | Pan-specific | Protein-serine phosphatase 1 - catalytic subunit - gamma isoform | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5793 | 4437 | 7965 | 5309 | 6654 | 6031 | 1204 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6589 | 4820 | 7121 | 3275 | 3683 | 5098 | 1531 | 30 | -15 | .259 | 8 | 10 | 3 | NP_002701 | P36873 |
| 538 | NK113-2 | MST1 | Pan-specific | Mammalian STE20-like protein-serine kinase 1 (KRS2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1260 | 677 | 888 | 1523 | 1519 | 1173 | 340 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 809 | 882 | 1105 | 699 | 1463 | 992 | 270 | 27 | -15 | .418 | 14 | 8 | 11 | NP_006273 | Q13043 |
| 211 | NP008-4 | DUSP2 | Pan-specific | Dual specificity protein phosphatase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 34356 | 22426 | 31106 | 20710 | 18163 | 25352 | 6261 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 18518 | 21684 | 27681 | 21232 | 18000 | 21423 | 3447 | 16 | -15 | .267 | 4 | 7 | 7 | NP_004409.1 | Q05923 |
| 807 | NN103 | STAT2 | Pan-specific | Signal transducer and activator of transcription 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4056 | 3008 | 902 | 1047 | 1413 | 2085 | 1238 | 59 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3113 | 2219 | 696 | 1545 | 1234 | 1761 | 836 | 47 | -16 | .275 | 3 | 10 | 9 | NP_005410 | P52630 |
| 873 | NK256-2 | YSK4 | Pan-specific | SPS1/STE20-related protein kinase YSK4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11661 | 8205 | 10271 | 11018 | 13514 | 10934 | 1737 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7681 | 9381 | 12183 | 6206 | 10724 | 9235 | 2122 | 23 | -16 | .282 | 14 | 10 | 11 | NP_001018054.1 | Q56UN5 |
| 48 | PN006-1 | ATF2 | T69+T71 | Activating transcription factor 2 (CRE-BP1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1474 | 1161 | 1483 | 982 | 1890 | 1398 | 311 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1488 | 1277 | 1071 | 995 | 1070 | 1180 | 180 | 15 | -16 | .284 | 15 | 6 | 6 | NP_001871 | P15336 |
| 169 | PN022-2 | Cortactin | Y466 | Cortactin (amplaxin) (mouse) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1627 | 928 | 2041 | 1494 | 2451 | 1708 | 514 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1920 | 1257 | 1251 | 1702 | 1075 | 1441 | 317 | 22 | -16 | .484 | 9 | 6 | 7 | NP_031829 | Q14247 |
| 109 | NP001 | CD45 | Pan-specific | Leukocyte common antigen CD45 receptor-tyrosine phosphatase (LCA, T200) | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 293 | 317 | 398 | 274 | 196 | 296 | 65 | 22 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 236 | 334 | 155 | 198 | 322 | 249 | 70 | 28 | -16 | .488 | 16 | 6 | 10 | NP_002829 | P08575 |
| 106 | NN022-1 | Caveolin 2 | Pan-specific | Caveolin 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 728 | 480 | 800 | 1025 | 437 | 694 | 216 | 31 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 387 | 705 | 797 | 705 | 331 | 585 | 188 | 32 | -16 | .359 | 8 | 6 | 10 | NP_001224 | P51636 |
| 70 | PN013 | BLNK | Y84 | B-cell linker protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1381 | 1680 | 2318 | 1275 | 2315 | 1794 | 447 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1714 | 1154 | 1377 | 1946 | 1358 | 1510 | 283 | 19 | -16 | .444 | 10 | 6 | 6 | NP_037446 | O75498 |
| 690 | NP012 | PP2A/Aa/b | Pan-specific | Protein-serine phosphatase 2A - A regulatory subunit - alpha and beta isoforms | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9989 | 7414 | 11766 | 5268 | 6921 | 8271 | 2313 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6902 | 6952 | 8614 | 6680 | 5648 | 6959 | 953 | 14 | -16 | .200 | 4 | 10 | 4 | NP_002707 | P30153 |
| 610 | NK200-2 | PAKg | Pan-specific | p21-activated kinase 2 (gamma) (serine/threonine-protein kinase PAK 2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 843 | 1263 | 982 | 815 | 2287 | 1238 | 548 | 44 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 805 | 1228 | 1018 | 1033 | 1124 | 1042 | 140 | 13 | -16 | .469 | 7 | 9 | 7 | NP_002568.2 | Q13177 |
| 319 | PN192 | Gab1 | Y627 | GRB2-associated binder 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 293 | 158 | 404 | 482 | 218 | 311 | 119 | 38 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 261 | 219 | 275 | 290 | 263 | 262 | 24 | 9 | -16 | .371 | 3 | 7 | 10 | NP_002030.2 | Q13480 |
| 708 | NK151 | PRKWNK4 | Pan-specific | Putative protein-serine kinase WNK4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1209 | 895 | 2857 | 1456 | 3974 | 2078 | 1161 | 56 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1733 | 809 | 1221 | 2423 | 2543 | 1746 | 670 | 38 | -16 | .557 | 11 | 10 | 2 | NP_115763 | Q96J92 |
| 845 | NK181-2 | TYK2 | Pan-specific | Protein-tyrosine kinase 2 (Jak-related) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 685 | 708 | 648 | 827 | 1434 | 860 | 293 | 34 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 560 | 866 | 892 | 612 | 683 | 723 | 134 | 18 | -16 | .476 | 5 | 10 | 7 | NP_003322 | P29597 |
| 558 | PN157 | NFKB p65 | S536 | NF-kappa-B p65 nuclear transcription factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1291 | 508 | 1152 | 1477 | 1360 | 1158 | 341 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 548 | 776 | 1019 | 1199 | 1319 | 972 | 280 | 29 | -16 | .326 | 13 | 8 | 10 | NP_003989 | Q04206 |
| 116 | NP002 | Cdc25B | Pan-specific | Cell division cycle 25B phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2029 | 1077 | 3038 | 3660 | 3305 | 2622 | 944 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1719 | 1985 | 2262 | 2208 | 2829 | 2200 | 368 | 17 | -16 | .335 | 3 | 6 | 7 | NP_004349 | P30305 |
| 371 | NN061 | Hsp90 | Pan-specific | Heat shock 90 kDa protein alpha/beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5169 | 3022 | 4810 | 6243 | 3766 | 4602 | 1118 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3335 | 4006 | 4909 | 3644 | 3371 | 3853 | 580 | 15 | -16 | .313 | 13 | 7 | 10 | NP_005339 | P07900 |
| 420 | NK086 | JAK3 | Pan-specific | Janus protein-tyrosine kinase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3440 | 2767 | 5775 | 4168 | 5374 | 4305 | 1135 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2847 | 3734 | 3865 | 3915 | 3655 | 3603 | 389 | 11 | -16 | .252 | 3 | 8 | 7 | NP_000206 | P52333 |
| 10 | PN002 | AcCoA carboxylase | S79 | Acetyl coenzyme A carboxylase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6502 | 3011 | 9103 | 6409 | 4749 | 5955 | 2026 | 34 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4092 | 4752 | 6023 | 4647 | 5404 | 4984 | 666 | 13 | -16 | .353 | 8 | 6 | 3 | NP_000655 | Q13085 |
| 470 | NN155 | MEF-2 | Pan-specific | Myelin expression factor 2 (MYEF2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1670 | 986 | 1630 | 1863 | 2551 | 1740 | 502 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1387 | 1504 | 1364 | 1322 | 1699 | 1455 | 136 | 9 | -16 | .278 | 9 | 8 | 6 | NP_057216.2 | Q9P2K5 |
| 729 | PN064 | Rad17 | S645 | Rad17 homolog | 0, 0 | 1, 1 | 1, 1 | 1, 1 | 1,1 | 645 | 427 | 240 | 337 | 366 | 403 | 135 | 34 | 1, 1 | 1, 1 | 0, 0 | 1, 1 | 0, 0 | 108 | 160 | 436 | 324 | 656 | 337 | 198 | 59 | -16 | .685 | 14 | 10 | 1 | NP_579921 | O75943 |
| 258 | PK013-1 | ErbB2 | Y1248 | ErbB2 (Neu) receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3593 | 4211 | 4004 | 2398 | 4125 | 3666 | 669 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3331 | 4445 | 3047 | 1891 | 2608 | 3064 | 844 | 28 | -16 | .114 | 14 | 7 | 6 | NP_004439 | P04626 |
| 818 | NN134 | Striatin | Pan-specific | Striatin | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3410 | 2921 | 2841 | 3138 | 3904 | 3243 | 385 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2920 | 3354 | 2842 | 2088 | 2336 | 2708 | 448 | 17 | -17 | .209 | 14 | 10 | 5 | NP_003153.2 | O43815 |
| 587 | NK059-3 | p38g MAPK | Pan-specific | Mitogen-activated protein-serine kinase p38 gamma (MAPK12) | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 5535 | 4310 | 4119 | 5436 | 3963 | 4673 | 673 | 14 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 3622 | 4137 | 4391 | 4051 | 3282 | 3896 | 395 | 10 | -17 | .121 | 4 | 9 | 7 | NP_002960 | P53778 |
| 71 | NK012 | BMX (Etk) | Pan-specific | Bone marrow X protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 336 | 418 | 255 | 552 | 300 | 372 | 105 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 352 | 299 | 335 | 252 | 312 | 310 | 34 | 11 | -17 | .411 | 5 | 6 | 1 | NP_001712 | P51813 |
| 129 | PK006 | CDK1/2 | Y14/Y15 | Cyclin-dependent protein-serine kinase 1/2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 972 | 737 | 1393 | 701 | 1391 | 1039 | 303 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1230 | 566 | 786 | 1031 | 714 | 865 | 236 | 27 | -17 | .455 | 15 | 6 | 9 | NP_001777 | P06493 |
| 145 | NK029-3 | CDK6 | Pan-specific | Cyclin-dependent protein-serine kinase 6 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 821 | 1064 | 639 | 484 | 917 | 785 | 204 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 589 | 1078 | 573 | 375 | 647 | 652 | 232 | 36 | -17 | .065 | 14 | 6 | 7 | NP_001250 | Q00534 |
| 199 | PN027 | Dok2 | Y142 | Docking protein 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1051 | 1111 | 1502 | 918 | 1967 | 1310 | 382 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1472 | 1241 | 1013 | 967 | 745 | 1088 | 248 | 23 | -17 | .486 | 12 | 7 | 4 | NP_034201 | O60496 |
| 380 | NN130 | I1PP2A (PHAPI) | Pan-specific | Acidic leucine-rich nuclear phosphoprotein 32 family member A | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7291 | 4832 | 6490 | 6568 | 6244 | 6285 | 806 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5032 | 4741 | 4476 | 5681 | 6128 | 5212 | 609 | 12 | -17 | .079 | 5 | 8 | 2 | NP_006296 | P39687 |
| 209 | NP046-3 | DUSP12 | Pan-specific | Dual specificity protein phosphatase 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3524 | 4492 | 4640 | 4041 | 4725 | 4285 | 447 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3561 | 4172 | 3575 | 3256 | 3156 | 3544 | 355 | 10 | -17 | .058 | 12 | 7 | 6 | NP_009171.1 | Q9UNI6 |
| 542 | PK728 | MST3 | T190 | Mammalian STE20-like protein-serine kinase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6562 | 5287 | 5174 | 5813 | 6031 | 5774 | 507 | 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6036 | 5321 | 4183 | 3628 | 4664 | 4766 | 844 | 18 | -17 | .055 | 14 | 9 | 1 | NP_001027467.2 | Q9Y6E0 |
| 329 | NN047 | Grp75 | Pan-specific | Glucose regulated protein 75 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 22391 | 15025 | 25662 | 19661 | 32528 | 23053 | 5882 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14833 | 18613 | 20054 | 17099 | 24514 | 19022 | 3245 | 17 | -17 | .132 | 11 | 8 | 1 | NP_004125 | P38646 |
| 570 | NN081-NN120 | p35 | Pan-specific | CDK5 regulatory subunit p25 and p35 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3276 | 2481 | 2298 | 3302 | 3197 | 2911 | 431 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2150 | 2531 | 1869 | 2557 | 2899 | 2401 | 357 | 15 | -18 | .063 | 13 | 9 | 2 | NP_003876.1 | Q15078 |
| 407 | PK665 | IRAK4 | T345+S346 | Interleukin 1 receptor-associated kinase 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5223 | 8721 | 7229 | 5721 | 6008 | 6580 | 1258 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7502 | 6081 | 4710 | 5275 | 3567 | 5427 | 1321 | 24 | -18 | .291 | 16 | 8 | 8 | NP_001107654.1 | Q9NWZ3 |
| 390 | PN164 | IkBa | Y42 | Inhibitor of NF-kappa-B alpha (MAD3) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 613 | 330 | 565 | 422 | 424 | 471 | 104 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 296 | 455 | 515 | 334 | 339 | 388 | 83 | 21 | -18 | .305 | 12 | 8 | 4 | NP_065390 | P25963 |
| 569 | NN080 | p27 Kip1 | Pan-specific | p27 cyclin-dependent kinase inhibitor 1B | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1389 | 864 | 864 | 1520 | 1646 | 1256 | 331 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 954 | 1058 | 601 | 1067 | 1483 | 1033 | 282 | 27 | -18 | .130 | 9 | 9 | 2 | NP_004055 | P46527 |
| 649 | NK133 | PKCb1 | Pan-specific | Protein-serine kinase C beta 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 877 | 1059 | 648 | 656 | 1430 | 934 | 291 | 31 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 661 | 1036 | 666 | 556 | 919 | 768 | 180 | 23 | -18 | .154 | 5 | 9 | 5 | NP_002729 | P05771 |
| 572 | NK120-4 | p38a MAPK | Pan-specific | Mitogen-activated protein-serine kinase p38 alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1221 | 1080 | 1497 | 1581 | 1598 | 1395 | 208 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 764 | 1048 | 1176 | 1498 | 1230 | 1143 | 240 | 21 | -18 | .038 | 16 | 9 | 4 | NP_001306 | Q16539 |
| 379 | PN103 | Huntingtin | S421 | Huntington's disease protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9235 | 6777 | 7238 | 9439 | 8216 | 8181 | 1054 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7461 | 6406 | 6456 | 6729 | 6454 | 6701 | 396 | 6 | -18 | .023 | 1 | 8 | 2 | NP_002102 | P42858 |
| 849 | NK183-1 | Tyro10 | Pan-specific | Neurotrophic receptor-tyrosine kinase of discoidin domain receptor family, membe | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 796 | 450 | 1002 | 889 | 1560 | 939 | 361 | 38 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 718 | 474 | 798 | 936 | 916 | 769 | 167 | 22 | -18 | .248 | 9 | 10 | 7 | NP_006173 | Q16832 |
| 96 | NN013 | Caspase 3 | Pan-specific | Caspase 3 (apopain, cysteine protease CPP32) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 494 | 305 | 518 | 444 | 720 | 496 | 134 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 260 | 419 | 415 | 369 | 564 | 405 | 98 | 24 | -18 | .193 | 8 | 6 | 7 | NP_004337 | P42574 |
| 436 | PN048-1 | Jun | S73 | Jun proto-oncogene-encoded AP1 transcription factor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2345 | 1616 | 2559 | 2517 | 3707 | 2549 | 671 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1284 | 1846 | 2651 | 1749 | 2878 | 2082 | 594 | 29 | -18 | .149 | 14 | 8 | 4 | NP_002219 | P05412 |
| 503 | NK107-4 | MEKK1 | Pan-specific | MAPK/ERK kinase kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 740 | 1003 | 883 | 820 | 1413 | 972 | 237 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 691 | 1163 | 764 | 655 | 693 | 793 | 188 | 24 | -18 | .290 | 16 | 9 | 3 | XP_042066 | Q13233 |
| 385 | PK152 | IGF1R | Y1280 | Insulin-like growth factor 1 receptor protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1657 | 1000 | 3018 | 2180 | 1785 | 1928 | 664 | 34 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1189 | 1508 | 2003 | 1319 | 1824 | 1568 | 305 | 19 | -19 | .274 | 12 | 8 | 3 | NP_000866 | P08069 |
| 207 | NP045-3 | DUSP11 | Pan-specific | Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 8269 | 4669 | 7408 | 4865 | 5549 | 6152 | 1434 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 4356 | 4558 | 5682 | 5264 | 5130 | 4998 | 482 | 10 | -19 | .210 | 4 | 7 | 6 | NP_001558.3 | O15357 |
| 270 | PK864 | ERK1 | Y204 | Extracellular regulated protein-serine kinase 1 (p44 MAP kinase) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2001 | 1518 | 2571 | 1805 | 2776 | 2134 | 471 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1788 | 1359 | 1419 | 2305 | 1793 | 1733 | 338 | 20 | -19 | .253 | 5 | 7 | 4 | AAA36142.1 | P27361 |
| 785 | NN096 | Smad2/3 | Pan-specific | SMA- and mothers against decapentaplegic homolog 2/3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 440 | 515 | 728 | 533 | 363 | 516 | 122 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 276 | 555 | 398 | 639 | 225 | 419 | 159 | 38 | -19 | .279 | 16 | 10 | 9 | NP_005892 | Q15796 |
| 511 | PK707 | Met | T1355+Y1356 | Hepatocyte growth factor (HGF) receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6324 | 5868 | 6515 | 5148 | 7033 | 6178 | 636 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5332 | 5887 | 6405 | 3963 | 3472 | 5012 | 1121 | 22 | -19 | .144 | 15 | 8 | 10 | NP_000236 | P08581 |
| 567 | NN077 | p18 INK4c | Pan-specific | p18 INK4c cyclin-dependent kinase inhibitor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1440 | 1366 | 1226 | 1405 | 1656 | 1419 | 139 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1034 | 1331 | 1115 | 1251 | 1019 | 1150 | 122 | 11 | -19 | .073 | 1 | 9 | 2 | NP_523240 | P42773 |

## Full Analysis: 10 Individual Wounds

| | | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 1545 | 1490 | 1864 | 1726 | 2278 | | | | | | | | | 1597 | 1688 | 1753 | 1745 | 1646 | | | | | | | | | | |
| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Patient 1-Smaller | Flag-Patient 2-Smaller | Flag-Patient 3-Smaller | Flag-Patient 4-Smaller | Flag-Patient 5-Smaller | Globally Normalized - Patient 1-Smaller | Globally Normalized - Patient 2-Smaller | Globally Normalized - Patient 3-Smaller | Globally Normalized - Patient 4-Smaller | Globally Normalized - Patient 5-Smaller | Average - Smaller | S. Dev. - Smaller | %S.Dev. Smaller | Flag-Patient 1-Bigger | Flag-Patient 2-Bigger | Flag-Patient 3-Bigger | Flag-Patient 4-Bigger | Flag-Patient 5-Bigger | Globally Normalized - Patient 1-Bigger | Globally Normalized - Patient 2-Bigger | Globally Normalized - Patient 3-Bigger | Globally Normalized - Patient 4-Bigger | Globally Normalized - Patient 5-Bigger | Average - Larger | S. Dev. - Larger | %S.Dev. - Larger | %CFC - Average Larger from Average Smaller | Student T test p value | Block | Row | Column | Refseq | Uniprot Link |
| 584 | NK121-4 | p38d MAPK | Pan-specific | Mitogen-activated protein-serine kinase p38 delta (MAPK13) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3300 | 4312 | 4388 | 3777 | 4580 | 4071 | 469 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3805 | 3677 | 3027 | 3052 | 2928 | 3298 | 367 | 11 | -19 | .106 | 12 | 9 | 6 | NP_002745 | O15264 |
| 787 | NK233-1 | SMG1 | Pan-specific | Lambda/iota protein kinase C-interacting protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 32722 | 33525 | 22433 | 31109 | 36787 | 31315 | 4811 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 25946 | 18891 | 18281 | 22425 | 41241 | 25357 | 8404 | 33 | -19 | .129 | 8 | 10 | 10 | NP_055907.3 | Q96Q15 |
| 273 | NK055-NK056-2 | ERK1/2 | Pan-specific | Extracellular regulated protein-serine kinase 1 (p44 MAP kinase) + Extracellular r | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7053 | 5500 | 6704 | 6491 | 7119 | 6573 | 584 | 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4945 | 5898 | 4947 | 6172 | 4650 | 5322 | 598 | 11 | -19 | .085 | 1 | 7 | 5 | 36142.1, NP_002 | P27361 |
| 388 | NN064 | IkBa | Pan-specific | Inhibitor of NF-kappa-B alpha (MAD3) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2322 | 1965 | 858 | 449 | 2552 | 1629 | 828 | 51 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3329 | 1273 | 586 | 377 | 1023 | 1317 | 1054 | 80 | -19 | .493 | 8 | 8 | 4 | NP_065390 | P25963 |
| 271 | PK866 | ERK1 | Y204+T207 | Extracellular regulated protein-serine kinase 1 (p44 MAP kinase) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6290 | 4233 | 5262 | 7171 | 5827 | 5757 | 985 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4689 | 4488 | 4056 | 5384 | 4626 | 4649 | 429 | 9 | -19 | .037 | 5 | 7 | 2 | AAA36142.1 | P27361 |
| 776 | NK249-1 | SIK2 | Pan-specific | Serine/threonine-protein kinase SIK2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2602 | 4297 | 3626 | 3283 | 4014 | 3564 | 591 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3051 | 3314 | 3033 | 2448 | 2544 | 2878 | 329 | 11 | -19 | .097 | 12 | 10 | 7 | NP_056006.1 | Q9H0K1 |
| 143 | NK028-5 | CDK5 | Pan-specific | Cyclin-dependent protein-serine kinase 5 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1917 | 1465 | 1968 | 1844 | 5123 | 2463 | 1342 | 54 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1996 | 1904 | 2381 | 1137 | 2521 | 1988 | 484 | 24 | -19 | .452 | 15 | 7 | 1 | NP_004926 | Q00535 |
| 67 | PK538 | Bcr | Y177 | Breakpoint cluster region protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2078 | 1524 | 2752 | 1482 | 3658 | 2299 | 821 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1989 | 1359 | 1597 | 2027 | 2296 | 1854 | 333 | 18 | -19 | .279 | 14 | 6 | 5 | NP_004318.3 | P11274 |
| 585 | PK743 | p38d MAPK | Y182 | Mitogen-activated protein-serine kinase p38 delta (MAPK13) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3594 | 6237 | 4971 | 3424 | 4022 | 4450 | 1042 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5308 | 4573 | 2926 | 3092 | 2027 | 3585 | 1187 | 33 | -19 | .294 | 16 | 9 | 6 | NP_002745.1 | O15264 |
| 656 | PK077-2 | PKCd | Y311 | Protein-serine kinase C delta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2860 | 2499 | 2217 | 2445 | 2225 | 2449 | 235 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1962 | 2487 | 1940 | 1912 | 1565 | 1973 | 295 | 15 | -19 | .036 | 13 | 9 | 6 | NP_006245 | Q05655 |
| 267 | PK867 | ERK1 | S74 | Extracellular regulated protein-serine kinase 1 (p44 MAP kinase) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2656 | 2110 | 2026 | 2252 | 3402 | 2489 | 505 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2193 | 1939 | 839 | 2581 | 2477 | 2005 | 625 | 31 | -19 | .147 | 9 | 7 | 2 | AAA36142.1 | P27361 |
| 563 | PN054 | NMDAR2B | Y1472 | N-methyl-D-aspartate (NMDA) glutamate receptor 2B subunit | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 217 | 133 | 276 | 345 | 389 | 272 | 91 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 120 | 140 | 209 | 190 | 437 | 219 | 114 | 52 | -19 | .220 | 1 | 9 | 1 | NP_000825 | Q13224 |
| 703 | NK149-2 | PRK2 | Pan-specific | Protein kinase C-related protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 437 | 486 | 506 | 442 | 1435 | 661 | 388 | 59 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 300 | 432 | 490 | 397 | 1040 | 532 | 262 | 49 | -20 | .136 | 7 | 10 | 1 | NP_006247 | Q16513 |
| 778 | NK249-3 | SIK2 | Pan-specific | Serine/threonine-protein kinase SIK2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6445 | 5129 | 6508 | 4753 | 5322 | 5631 | 714 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4277 | 4952 | 5216 | 4861 | 3349 | 4531 | 666 | 15 | -20 | .075 | 4 | 10 | 8 | NP_056006.1 | Q9H0K1 |
| 739 | PN068 | Rb | S807 | Retinoblastoma-associated protein 1 | 0, 0 | 0, 1 | 0, 0 | 0, 0 | 0, 0 | 835 | 1402 | 1177 | 669 | 1181 | 1053 | 264 | 25 | 0, 0 | 0, 1 | 0, 0 | 0, 0 | 0, 0 | 987 | 761 | 890 | 912 | 685 | 847 | 109 | 13 | -20 | .304 | 10 | 10 | 3 | NP_000312 | P06400 |
| 588 | NK059-4 | p38g MAPK | Pan-specific | Mitogen-activated protein-serine kinase p38 gamma (MAPK12) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8315 | 7865 | 8809 | 7051 | 5991 | 7606 | 993 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8150 | 6652 | 5071 | 5870 | 4785 | 6105 | 1212 | 20 | -20 | .065 | 8 | 9 | 7 | NP_002960 | P53778 |
| 487 | PK049-2 | MEK2 human | T394 | MAPK/ERK protein-serine kinase 2 (MKK2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 442 | 1008 | 364 | 643 | 366 | 564 | 244 | 43 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 508 | 815 | 379 | 386 | 173 | 452 | 211 | 47 | -20 | .155 | 16 | 8 | 10 | AAH00471.1 | P36507 |
| 200 | PN027-2 | Dok2 | Y142 | Docking protein 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1541 | 1311 | 1613 | 820 | 1429 | 1343 | 281 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1454 | 1312 | 981 | 975 | 659 | 1076 | 280 | 26 | -20 | .219 | 8 | 7 | 4 | NP_034201 | O60496 |
| 478 | PK046-1 | MEK1 | T292 | MAPK/ERK protein-serine kinase 1 (MKK1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2852 | 2220 | 2992 | 2251 | 2639 | 2591 | 311 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2340 | 2494 | 1753 | 2383 | 1411 | 2076 | 421 | 20 | -20 | .185 | 13 | 8 | 6 | NP_002746 | Q02750 |
| 213 | NP030-3 | DUSP3 | Pan-specific | Dual specificity protein phosphatase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3803 | 4841 | 5580 | 5399 | 4578 | 4840 | 633 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3311 | 4413 | 4128 | 4121 | 3395 | 3874 | 439 | 11 | -20 | .010 | 12 | 7 | 7 | NP_004081.1 | P51452 |
| 692 | NP032 | PP2A/Bg2 | Pan-specific | Protein-serine phosphatase 2A - B regulatory subunit - gamma isoform | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7892 | 7538 | 12033 | 7124 | 11582 | 9234 | 2120 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10187 | 7885 | 8155 | 5599 | 5084 | 7382 | 1853 | 25 | -20 | .297 | 12 | 10 | 4 | NP_001193923.1 | Q9Y2T4 |
| 495 | NK103-2 | MEK4 | Pan-specific | MAPK/ERK protein-serine kinase 4 (MKK4) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2866 | 3310 | 3019 | 2226 | 3855 | 3055 | 535 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2662 | 3200 | 2619 | 2025 | 1703 | 2442 | 524 | 21 | -20 | .189 | 16 | 9 | 1 | NP_003001 | P45985 |
| 769 | NN133 | SG2NA | Pan-specific | Striatin-3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2614 | 3129 | 3572 | 2469 | 3074 | 2971 | 394 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2550 | 2798 | 2092 | 2783 | 1648 | 2374 | 444 | 19 | -20 | .176 | 16 | 10 | 5 | XP_005267626.1 | Q13033 |
| 609 | NK122-4 | PAKa | Pan-specific | p21-activated kinase 1 (alpha) (serine/threonine-protein kinase PAK 1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 779 | 785 | 671 | 801 | 1462 | 899 | 285 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 613 | 806 | 695 | 795 | 683 | 718 | 73 | 10 | -20 | .303 | 15 | 9 | 5 | NP_002567 | Q13153 |
| 687 | NP010 | PP1/Cb (PP1b) | Pan-specific | Protein-serine phosphatase 1 - catalytic subunit - beta isoform | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3922 | 2408 | 4385 | 2393 | 3704 | 3363 | 816 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2852 | 2431 | 3015 | 2949 | 2172 | 2684 | 327 | 12 | -20 | .174 | 4 | 10 | 3 | NP_002700 | P62140 |
| 246 | PN031 | eIF4G | S1108 | Eukaryotic translation initiation factor 4 gamma 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2499 | 1506 | 2844 | 3513 | 2662 | 2605 | 649 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1794 | 1435 | 2989 | 1182 | 2993 | 2079 | 770 | 37 | -20 | .338 | 14 | 7 | 3 | NP_004944 | Q04637 |
| 272 | NK055-NK056 | ERK1/2 | Pan-specific | Extracellular regulated protein-serine kinase 1 (p44 MAP kinase) + Extracellular r | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3958 | 2880 | 3859 | 3557 | 4374 | 3726 | 497 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3534 | 2480 | 1334 | 4307 | 3163 | 2964 | 1006 | 34 | -20 | .231 | 9 | 7 | 3 | 36142.1, NP_002 | P27361 |
| 551 | NK117-4 | Nek2 | Pan-specific | NIMA (never-in-mitosis)-related protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 628 | 485 | 790 | 873 | 1785 | 912 | 456 | 50 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 587 | 572 | 742 | 644 | 1078 | 725 | 187 | 26 | -21 | .250 | 1 | 8 | 9 | NP_002488 | P51955 |
| 265 | NK055-2 | ERK1 | Pan-specific | Extracellular regulated protein-serine kinase 1 (p44 MAP kinase) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5995 | 4930 | 5908 | 6412 | 7285 | 6106 | 764 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3944 | 4786 | 4911 | 5421 | 5130 | 4838 | 496 | 10 | -21 | .028 | 1 | 7 | 3 | AAA36142.1 | P27361 |
| 81 | PK549 | BRSK1 | T189 | BR serine/threonine-protein kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9615 | 5486 | 8201 | 6803 | 8688 | 7759 | 1455 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8252 | 5366 | 3088 | 7908 | 6076 | 6138 | 1871 | 30 | -21 | .205 | 9 | 6 | 3 | NP_115806.1 | Q8TDC3 |
| 471 | NK099-1 | MEK1 | Pan-specific | MAPK/ERK protein-serine kinase 1 (MKK1) | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 3401 | 622 | 1030 | 1946 | 3081 | 2016 | 1093 | 54 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 652 | 988 | 935 | 2224 | 3174 | 1594 | 957 | 60 | -21 | .513 | 4 | 8 | 9 | NP_002746 | Q02750 |
| 350 | PN101-2 | Histone H3 | T3 | Histone H3.3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1325 | 858 | 1178 | 1666 | 1832 | 1372 | 347 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 531 | 1095 | 1469 | 825 | 1500 | 1084 | 373 | 34 | -21 | .300 | 14 | 7 | 11 | NP_003521 | P84243 |
| 709 | PN104 | Progesterone Recepto | S294 | Progesterone receptor | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 221 | 142 | 243 | 241 | 816 | 333 | 244 | 74 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 180 | 181 | 239 | 460 | 252 | 262 | 103 | 39 | -21 | .621 | 15 | 10 | 2 | NP_000917 | P06401 |
| 531 | PK056 | MLK3 | T277+S281 | Mixed-lineage protein-serine kinase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2273 | 2281 | 2239 | 1866 | 3326 | 2397 | 490 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1707 | 2213 | 2046 | 1607 | 1876 | 1890 | 220 | 12 | -21 | .112 | 14 | 8 | 9 | NP_002410 | Q16584 |
| 697 | NP020 | PP4C (X/C) | Pan-specific | Protein-serine phosphatase X - catalytic subunit (PPX/C) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8573 | 7434 | 9363 | 5061 | 12297 | 8546 | 2372 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9110 | 7667 | 6873 | 5740 | 4289 | 6736 | 1643 | 24 | -21 | .335 | 15 | 9 | 10 | NP_002711 | P60510 |
| 366 | NN059-1 | Hsp60 | Pan-specific | Heat shock 60 kDa protein 1 (chaperonin, CPN60) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2639 | 1397 | 2911 | 3633 | 4712 | 3059 | 1098 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2417 | 2370 | 2864 | 2333 | 2068 | 2410 | 257 | 11 | -21 | .352 | 13 | 7 | 9 | NP_002147 | P10809 |
| 475 | NK099-9 | MEK1 | Pan-specific | MAPK/ERK protein-serine kinase 1 (MKK1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11055 | 6333 | 9902 | 12619 | 9608 | 9903 | 2075 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6820 | 8197 | 9323 | 8970 | 5695 | 7801 | 1359 | 17 | -21 | .152 | 13 | 8 | 7 | NP_002746 | Q02750 |
| 89 | NK019-2 | CAMK2d | Pan-specific | Calcium/calmodulin-dependent protein-serine kinase 2 delta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1545 | 1057 | 2116 | 1689 | 2437 | 1769 | 476 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1627 | 937 | 876 | 1927 | 1595 | 1393 | 414 | 30 | -21 | .256 | 9 | 6 | 5 | NP_742126 | Q13557 |
| 842 | NK180 | TTK | Pan-specific | Dual specificity protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 998 | 588 | 1982 | 898 | 1998 | 1293 | 585 | 45 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 797 | 480 | 1061 | 1779 | 963 | 1016 | 429 | 42 | -21 | .466 | 13 | 10 | 5 | AAA61239.1 | P33981 |
| 322 | NK066 | GCK | Pan-specific | Germinal centre protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3037 | 3030 | 4140 | 2246 | 5112 | 3513 | 1002 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3103 | 3200 | 2971 | 2270 | 2250 | 2759 | 414 | 15 | -21 | .264 | 15 | 7 | 10 | NP_004570 | Q12851 |
| 289 | PN175 | Ezrin | Y353 | Cytovillin 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1085 | 684 | 1609 | 1600 | 1118 | 1219 | 350 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 600 | 1003 | 1011 | 1180 | 989 | 957 | 191 | 20 | -22 | .186 | 12 | 7 | 8 | NP_001104547.1 | P15311 |
| 452 | PK039 | Lck | S158 | Lymphocyte-specific protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1314 | 1315 | 1403 | 967 | 1399 | 1280 | 161 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1329 | 1048 | 950 | 1032 | 661 | 1004 | 214 | 21 | -22 | .139 | 14 | 8 | 7 | NP_005347 | P06239 |
| 206 | NP045-2 | DUSP11 | Pan-specific | Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8026 | 7089 | 10697 | 7953 | 7176 | 8188 | 1312 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7304 | 6796 | 7864 | 5251 | 4888 | 6421 | 1159 | 18 | -22 | .028 | 16 | 7 | 5 | NP_001558.3 | O15357 |
| 315 | PN033 | Fos | T232 | Fos-c FBJ murine osteosarcoma oncoprotein-related transcription factor | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 573 | 742 | 913 | 930 | 561 | 744 | 159 | 21 | 1, 1 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 432 | 398 | 755 | 253 | 1075 | 583 | 296 | 51 | -22 | .454 | 15 | 7 | 8 | NP_005243 | P01100 |
| 182 | PK587 | CSF1R | Y699 | Macrophage colony-stimulating factor 1 receptor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 640 | 507 | 1088 | 798 | 1492 | 905 | 352 | 39 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 764 | 389 | 669 | 1026 | 696 | 709 | 204 | 29 | -22 | .352 | 1 | 6 | 11 | NP_001275634.1 | P07333 |
| 652 | NK135 | PKCd | Pan-specific | Protein-serine kinase C delta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2711 | 1904 | 1874 | 2238 | 2673 | 2280 | 360 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1597 | 2229 | 1513 | 1566 | 2013 | 1783 | 285 | 16 | -22 | .105 | 9 | 9 | 6 | NP_006245 | Q05655 |
| 78 | PN116 | BRCA1 | S1423 | Breast cancer type 1 susceptibility protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1440 | 585 | 1507 | 1889 | 1781 | 1441 | 459 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 837 | 783 | 1251 | 1404 | 1350 | 1125 | 263 | 23 | -22 | .087 | 13 | 6 | 2 | NP_009225 | P38398 |
| 581 | PK741 | p38b MAPK | T180+pY182 | Mitogen-activated protein-serine kinase p38 beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8450 | 7820 | 10403 | 8067 | 8137 | 8576 | 936 | 11 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7561 | 7926 | 6584 | 6223 | 5178 | 6694 | 980 | 15 | -22 | .055 | 16 | 9 | 5 | NP_002742.3 | Q15759 |
| 113 | NP038-1 | Cdc25A | Pan-specific | Cell division cycle 25A phosphatase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2397 | 4882 | 2669 | 3270 | 2616 | 3167 | 905 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3161 | 2613 | 2477 | 2320 | 1781 | 2471 | 446 | 18 | -22 | .234 | 16 | 6 | 11 | NP_001780.2 | P30304 |
| 327 | PK025 | GRK2 | S670 | G protein-coupled receptor-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5187 | 4807 | 5529 | 3486 | 5666 | 4935 | 783 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4978 | 4760 | 3994 | 3043 | 2473 | 3850 | 966 | 25 | -22 | .138 | 15 | 7 | 11 | NP_001610 | P25098 |
| 373 | NN164 | Hsp90a | Pan-specific | Heat shock 90 kDa protein alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1060 | 552 | 1351 | 1294 | 1776 | 1207 | 401 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 893 | 779 | 1075 | 1050 | 907 | 941 | 109 | 12 | -22 | .205 | 13 | 7 | 11 | NP_005339 | P07900 |
| 268 | PK621 | ERK1 | T202+Y204 | Extracellular regulated protein-serine kinase 1 (p44 MAP kinase) | 0, 0 | 0, 0 | 1, 0 | 0, 0 | 0, 0 | 5899 | 3901 | 4375 | 3867 | 4884 | 4585 | 754 | 16 | 0, 0 | 0, 0 | 1, 0 | 0, 0 | 0, 0 | 4330 | 3353 | 2557 | 3859 | 3756 | 3571 | 595 | 17 | -22 | .038 | 13 | 7 | 3 | AAA36142.1 | P27361 |
| 8 | NK001-2 | Abl | Pan-specific | Abelson proto-oncogene-encoded protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5120 | 4348 | 6265 | 3208 | 5744 | 4937 | 1076 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3231 | 3976 | 5612 | 3307 | 3090 | 3843 | 936 | 24 | -22 | .099 | 16 | 6 | 2 | NP_005148 | P00519 |
| 395 | PK154 | IKKa | T23 | Inhibitor of NF-kappa-B protein-serine kinase alpha (CHUK) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1209 | 711 | 1494 | 1347 | 1770 | 1306 | 351 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 444 | 1046 | 996 | 1205 | 1390 | 1016 | 317 | 31 | -22 | .194 | 12 | 8 | 5 | NP_001269 | O15111 |
| 162 | NK037-1 | CK1e | Pan-specific | Casein protein-serine kinase 1 epsilon | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 15709 | 11450 | 19852 | 13383 | 18731 | 15825 | 3155 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11274 | 11306 | 15020 | 7639 | 16242 | 12296 | 3056 | 25 | -22 | .024 | 14 | 6 | 11 | NP_001885 | P49674 |
| 394 | NK075-3 | IKKa | Pan-specific | Inhibitor of NF-kappa-B protein-serine kinase alpha (CHUK) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3809 | 3027 | 5908 | 4271 | 4256 | 4254 | 942 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2759 | 3356 | 4258 | 3056 | 3098 | 3305 | 513 | 16 | -22 | .047 | 16 | 8 | 5 | NP_001269 | O15111 |
| 100 | NN021 | Catenin b | Pan-specific | Catenin (cadherin-associated protein) beta 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1315 | 2730 | 804 | 1229 | 3821 | 1980 | 1126 | 57 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3197 | 1251 | 521 | 1115 | 1605 | 1538 | 900 | 59 | -22 | .561 | 12 | 6 | 8 | NP_001895 | P35222 |
| 95 | NN011 | Caspase 1 | Pan-specific | Caspase 1 (Interleukin-1 beta convertase) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2485 | 2091 | 2139 | 1515 | 2721 | 2190 | 409 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1617 | 1664 | 2174 | 1491 | 1557 | 1700 | 244 | 14 | -22 | .104 | 4 | 6 | 7 | NP_001214 | P29466 |
| 464 | PN049-PN112-2 | MAPKAPK2 | T334 | Mitogen-activated protein kinase-activated protein kinase 2 alpha | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 754 | 641 | 587 | 600 | 332 | 583 | 138 | 24 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 625 | 478 | 518 | 538 | 98 | 451 | 183 | 41 | -23 | .014 | 9 | 8 | 4 | NP_004750 | P49137 |
| 13 | PN003-PN004 | Adducin a/g | S662 | Adducin alpha (ADD1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1277 | 756 | 1197 | 914 | 876 | 1004 | 199 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 718 | 917 | 770 | 805 | 679 | 778 | 82 | 11 | -23 | .146 | 4 | 6 | 4 | NP_058432 | P35611 |
| 382 | NN025 | IAP1 | Pan-specific | Cellular inhibitor of apoptosis protein 1 (baculoviral IAP repeat-containing protein | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 1430 | 961 | 1366 | 1585 | 2073 | 1483 | 360 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 913 | 966 | 1096 | 1228 | 1541 | 1149 | 225 | 20 | -23 | .027 | 13 | 8 | 2 | NP_001156 | Q13490 |
| 19 | PK072-1 | Akt1 (PKBa) | S473 | RAC-alpha serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1144 | 767 | 2103 | 1960 | 1717 | 1538 | 506 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 651 | 991 | 1416 | 1331 | 1564 | 1191 | 329 | 28 | -23 | .111 | 12 | 6 | 6 | NP_005154 | P31749 |
| 773 | NP045-1 | SHIP2 | Pan-specific | Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5528 | 6692 | 8419 | 6015 | 5520 | 6435 | 1081 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5401 | 6095 | 4669 | 5535 | 3191 | 4978 | 1002 | 20 | -23 | .102 | 16 | 10 | 6 | NP_001558.3 | O15357 |
| 677 | NK143 | PKG1 | Pan-specific | cGMP-dependent protein kinase 1, alpha isozyme | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1380 | 1000 | 1498 | 2059 | 2520 | 1691 | 536 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 688 | 849 | 1463 | 1745 | 1793 | 1308 | 457 | 35 | -23 | .052 | 16 | 10 | 3 | NP_006249 | Q13976 |
| 612 | NN086 | Paxillin | Pan-specific | Paxillin 1 | 0, 0 | 0, 0 | 1, 0 | 0, 0 | 0, 0 | 74 | 65 | 52 | 55 | 152 | 79 | 37 | 47 | 0, 0 | 0, 0 | 1, 0 | 0, 0 | 0, 0 | 53 | 71 | 42 | 64 | 77 | 61 | 12 | 20 | -23 | .304 | 15 | 9 | 7 | NP_002850 | P49023 |
| 393 | NK075-2 | IKKa | Pan-specific | Inhibitor of NF-kappa-B protein-serine kinase alpha (CHUK) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 894 | 918 | 895 | 897 | 2137 | 1148 | 494 | 43 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 885 | 1111 | 831 | 768 | 844 | 888 | 118 | 13 | -23 | .379 | 8 | 8 | 5 | NP_001269 | O15111 |
| 657 | NK136 | PKCe | Pan-specific | Protein-serine kinase C epsilon | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 532 | 730 | 414 | 580 | 1221 | 695 | 282 | 40 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 483 | 699 | 638 | 380 | 487 | 537 | 115 | 21 | -23 | .377 | 5 | 9 | 7 | NP_005391 | Q02156 |
| 11 | NK002 | ACK1 | Pan-specific | Activated CDC42 kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1643 | 1972 | 2210 | 1409 | 3186 | 2084 | 615 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1609 | 2371 | 1917 | 941 | 1201 | 1608 | 507 | 32 | -23 | .304 | 12 | 6 | 3 | NP_005772 | Q07912 |
| 566 | NN083 | p107 | Pan-specific | Retinoblastoma (Rb) protein-related p107 (PRB1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1110 | 979 | 776 | 777 | 1029 | 934 | 135 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 835 | 889 | 489 | 805 | 582 | 720 | 156 | 22 | -23 | .061 | 13 | 9 | 1 | NP_P28749 | P28749 |
| 777 | NK249-2 | SIK2 | Pan-specific | Serine/threonine-protein kinase SIK2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2204 | 3290 | 3668 | 2936 | 3511 | 3122 | 521 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2184 | 2671 | 1976 | 3480 | 1700 | 2402 | 625 | 26 | -23 | .193 | 16 | 10 | 7 | NP_056006.1 | Q9H0K1 |
| 161 | NK036 | CK1d | Pan-specific | Casein protein-serine kinase 1 delta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1111 | 1466 | 1188 | 1050 | 2453 | 1454 | 520 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1190 | 1108 | 1021 | 1176 | 1091 | 1117 | 61 | 5 | -23 | .282 | 10 | 6 | 11 | NP_001884 | P48730 |
| 460 | NK227-4 | LKB1 | Pan-specific | Serine/threonine-protein kinase 11 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10083 | 8388 | 12727 | 10876 | 10611 | 10537 | 1396 | 13 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7759 | 8240 | 7753 | 9287 | 7455 | 8099 | 645 | 8 | -23 | .039 | 1 | 8 | 4 | NP_000446.1 | Q15831 |
| 592 | PN159 | p53 | S37 | Tumor suppressor protein p53 (antigenNY-CO-13) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2853 | 2105 | 3334 | 3315 | 2294 | 2780 | 508 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1920 | 2242 | 1830 | 2673 | 2017 | 2136 | 301 | 14 | -23 | .083 | 8 | 9 | 8 | NP_000537 | P04637 |
| 459 | NK227-3 | LKB1 | Pan-specific | Serine/threonine-protein kinase 11 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9324 | 6662 | 7656 | 9671 | 7332 | 8129 | 1168 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5523 | 6347 | 5261 | 7138 | 6945 | 6243 | 747 | 12 | -23 | .049 | 13 | 8 | 3 | NP_000446.1 | Q15831 |
| 292 | PK020-3 | FAK | S722 | Focal adhesion protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 648 | 973 | 969 | 851 | 551 | 798 | 171 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 731 | 890 | 548 | 562 | 332 | 613 | 188 | 31 | -23 | .099 | 16 | 7 | 9 | NP_005598 | Q05397 |
| 75 | NK156-5 | B-Raf | Pan-specific | RafB proto-oncogene-encoded protein-serine kinase | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 0, 0 | 1741 | 1377 | 973 | 1719 | 2042 | 1570 | 365 | 23 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 0, 0 | 1211 | 1275 | 988 | 1222 | 1319 | 1203 | 114 | 9 | -23 | .057 | 13 | 6 | 1 | NP_004324 | P15056 |
| 85 | NN136-2 | Calnexin | Pan-specific | Calnexin | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11270 | 6294 | 9018 | 9651 | 7951 | 8837 | 1666 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7601 | 6907 | 4392 | 8969 | 5899 | 6754 | 1546 | 23 | -24 | .095 | 9 | 6 | 4 | NP_001019820.1 | P27824 |
| 242 | PN172 | eIF4B | S422 | Eukaryotic translation initiation factor 4B | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 363 | 202 | 494 | 40 | 591 | 338 | 198 | 59 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 243 | 312 | 24 | 169 | 541 | 258 | 171 | 66 | -24 | .499 | 14 | 7 | 2 | NP_001287750.1 | P23588 |
| 841 | PK160 | TrkB | Y705 | BNDF/NT3/4/5 receptor- tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 562 | 265 | 669 | 502 | 712 | 542 | 157 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 280 | 356 | 379 | 463 | 581 | 412 | 103 | 25 | -24 | .148 | 9 | 10 | 5 | NP_006171 | Q16620 |
| 759 | NK164 | RSK1 | Pan-specific | Ribosomal S6 protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 797 | 764 | 656 | 914 | 1265 | 879 | 210 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 607 | 309 | 333 | 668 | 1418 | 667 | 402 | 60 | -24 | .105 | 9 | 10 | 3 | NP_002944 | Q15418 |
| 693 | NP013-NP014 | PP2A/Ca | Pan-specific | Protein-serine phosphatase 2A - catalytic subunit - alpha isoform | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1005 | 615 | 812 | 801 | 787 | 804 | 123 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 759 | 790 | 329 | 581 | 588 | 609 | 164 | 27 | -24 | .139 | 16 | 10 | 4 | NP_002706 | P67775 |
| 494 | NK103 | MEK4 | Pan-specific | MAPK/ERK protein-serine kinase 4 (MKK4) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1325 | 1838 | 1306 | 883 | 1533 | 1377 | 313 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 930 | 1446 | 1164 | 795 | 873 | 1042 | 237 | 23 | -24 | .031 | 4 | 9 | 2 | NP_003001 | P45985 |
| 22 | PK517 | Akt1 (PKBa) | Y326 | RAC-alpha serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1888 | 1297 | 2890 | 1328 | 2224 | 1925 | 595 | 31 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1781 | 1089 | 1145 | 1820 | 1410 | 1449 | 307 | 21 | -25 | .277 | 8 | 6 | 5 | NP_005154 | P31749 |
| 685 | NN156 | PLCg2 (PLC R) | Pan-specific | 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 892 | 974 | 766 | 782 | 2208 | 1124 | 547 | 49 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 725 | 840 | 464 | 1274 | 927 | 846 | 265 | 31 | -25 | .385 | 16 | 10 | 1 | NP_002652.2 | P16885 |
| 517 | PK051-4 | MKK3 | S189 | MAPK/ERK protein-serine kinase 3 beta isoform (MKK3 beta) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 635 | 638 | 879 | 1299 | 1184 | 927 | 274 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 318 | 514 | 987 | 755 | 914 | 697 | 250 | 36 | -25 | .101 | 11 | 8 | 11 | NP_002747 | P46734 |
| 546 | PN186 | Myc | S373 | Myc proto-oncogene protein | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 870 | 525 | 951 | 1085 | 1006 | 887 | 194 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 377 | 611 | 836 | 719 | 792 | 667 | 164 | 25 | -25 | .092 | 14 | 9 | 2 | NP_002458.2 | P01106 |
| 752 | NK159-2 | ROKa | Pan-specific | Rho-associated protein kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1259 | 733 | 984 | 1789 | 2016 | 1356 | 481 | 35 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 622 | 627 | 951 | 1274 | 1615 | 1018 | 384 | 38 | -25 | .044 | 13 | 10 | 1 | NP_004841 | O75116 |
| 90 | NK021-3 | CaMK4 | Pan-specific | Calcium/calmodulin-dependent protein-serine kinase 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3589 | 3383 | 4225 | 3105 | 4851 | 3831 | 630 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3371 | 2327 | 2645 | 3474 | 2533 | 2870 | 464 | 16 | -25 | .114 | 1 | 6 | 6 | NP_001735 | Q16566 |
| 812 | PN083-1 | STAT5 | Y694 | Signal transducer and activator of transcription 5A | 1, 0 | 1, 0 | 1, 1 | 1, 1 | 0, 0 | 2049 | 813 | 2418 | 1581 | 1940 | 1760 | 544 | 31 | 1, 0 | 1, 1 | 1, 1 | 1, 1 | 0, 0 | 1271 | 1044 | 1503 | 1687 | 1087 | 1319 | 245 | 19 | -25 | .153 | 7 | 10 | 10 | NP_003143 | P42229 |
| 844 | NK181 | TYK2 | Pan-specific | Protein-tyrosine kinase 2 (Jak-related) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 710 | 1541 | 695 | 1156 | 1903 | 1201 | 471 | 39 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 856 | 1108 | 957 | 855 | 711 | 898 | 131 | 15 | -25 | .304 | 1 | 10 | 7 | NP_003322 | P29597 |
| 568 | NN078 | p21 CDKI1 | Pan-specific | cyclin-dependent kinase inhibitor 1 (MDA6) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1143 | 758 | 1181 | 1432 | 1900 | 1283 | 376 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 817 | 773 | 890 | 1127 | 1183 | 958 | 166 | 17 | -25 | .049 | 5 | 9 | 2 | NP_000380 | P38936 |
| 594 | PN160 | p53 | S6 | Tumor suppressor protein p53 (antigenNY-CO-13) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1260 | 785 | 1796 | 1775 | 1981 | 1519 | 439 | 29 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 888 | 871 | 1341 | 1329 | 1242 | 1134 | 211 | 19 | -25 | .045 | 12 | 9 | 8 | NP_000537 | P04637 |
| 83 | NN174 | CA9 | Pan-specific | Carbonic anhydrase 9 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2606 | 1490 | 3372 | 2531 | 2765 | 2553 | 608 | 24 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1570 | 2030 | 2110 | 1862 | 1950 | 1905 | 187 | 10 | -25 | .108 | 1 | 6 | 4 | XP_006716930.1 | Q16790 |
| 210 | NP008-2 | DUSP2 | Pan-specific | Dual specificity protein phosphatase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 46477 | 49799 | 38572 | 41024 | 40835 | 43342 | 4145 | 10 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 33251 | 28376 | 30128 | 26671 | 43185 | 32322 | 5851 | 18 | -25 | .049 | 16 | 7 | 6 | NP_004409.1 | Q05923 |
| 185 | NN028 | Cyclin A | Pan-specific | Cyclin A1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7269 | 4210 | 6872 | 6099 | 7380 | 6366 | 1168 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5210 | 4799 | 4428 | 5320 | 3953 | 4742 | 506 | 11 | -26 | .080 | 13 | 6 | 11 | NP_003905 | P78396 |
| 730 | NK155-4 | Raf1 | Pan-specific | Raf1 proto-oncogene-encoded protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 1 | 700 | 823 | 851 | 1245 | 1366 | 997 | 260 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 1 | 436 | 938 | 499 | 1237 | 595 | 741 | 302 | 41 | -26 | .171 | 14 | 10 | 2 | NP_002871 | P04049 |
| 655 | PK077-1 | PKCd | Y311 | Protein-serine kinase C delta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 1941 | 1737 | 2064 | 1277 | 1712 | 1746 | 268 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 1483 | 1585 | 925 | 1389 | 1091 | 1295 | 248 | 19 | -26 | .101 | 13 | 9 | 5 | NP_006245 | Q05655 |
| 257 | PK134 | ErbB2 | T686 | ErbB2 (Neu) receptor-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7913 | 6259 | 8237 | 4841 | 8761 | 7202 | 1447 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6347 | 6137 | 5928 | 3522 | 4751 | 5337 | 1063 | 20 | -26 | .044 | 14 | 7 | 5 | NP_004439 | P04626 |
| 607 | NK123 | PAK3 | Pan-specific | p21-activated kinase 3 (beta) (serine/threonine-protein kinase PAK 3) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 779 | 991 | 777 | 672 | 1975 | 1039 | 479 | 46 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 680 | 1088 | 658 | 691 | 731 | 770 | 161 | 21 | -26 | .337 | 15 | 9 | 6 | NP_002569 | O75914 |
| 24 | NK130-4 | Akt2 (PKBb) | Pan-specific | RAC-beta serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2531 | 2279 | 3403 | 2662 | 3020 | 2779 | 393 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1658 | 2163 | 2542 | 1903 | 2028 | 2059 | 293 | 14 | -26 | .010 | 16 | 6 | 6 | NP_001617 | P31751 |
| 135 | NK026-5 | CDK2 | Pan-specific | Cyclin-dependent protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 677 | 1111 | 714 | 637 | 1920 | 1012 | 485 | 48 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 697 | 855 | 870 | 600 | 724 | 749 | 101 | 14 | -26 | .340 | 3 | 6 | 11 | NP_001789 | P24941 |
| 196 | NK219 | DGKZ | Pan-specific | Diacylglycerol kinase zeta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1657 | 1126 | 2889 | 1698 | 3413 | 2157 | 853 | 40 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2007 | 1040 | 1890 | 1747 | 1290 | 1595 | 369 | 23 | -26 | .280 | 12 | 7 | 3 | NP_963290 | Q13574 |
| 651 | PK076-2 | PKCb2 | T641 | Protein-serine kinase C beta 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 858 | 423 | 906 | 943 | 1082 | 842 | 222 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 477 | 559 | 629 | 710 | 735 | 622 | 96 | 15 | -26 | .076 | 1 | 9 | 5 | NP_002729 | P05771 |
| 659 | PK081-1 | PKCe | S729 | Protein-serine kinase C epsilon | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 508 | 326 | 1089 | 855 | 997 | 755 | 292 | 39 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 255 | 316 | 721 | 628 | 866 | 557 | 235 | 42 | -26 | .031 | 13 | 9 | 7 | NP_005391 | Q02156 |
| 399 | PK663 | InsR | Y1189 | INSR insulin receptor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2602 | 2860 | 3876 | 3299 | 3825 | 3293 | 508 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2490 | 2455 | 2502 | 2533 | 2170 | 2430 | 132 | 5 | -26 | .041 | 16 | 8 | 6 | NP_000199 | P06213 |
| 302 | NK062-3 | FGFR1 | Pan-specific | Fibroblast growth factor receptor-tyrosine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5176 | 8331 | 6896 | 6499 | 5683 | 6517 | 1089 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5979 | 5048 | 4825 | 4764 | 3385 | 4800 | 831 | 17 | -26 | .065 | 16 | 7 | 11 | NP_001167534.1 | P11362 |
| 764 | PK100-2 | RSK1/2 | S363/S369 | Ribosomal S6 protein-serine kinase 1/2 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 1139 | 962 | 589 | 839 | 767 | 859 | 185 | 21 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 660 | 934 | 147 | 782 | 640 | 633 | 265 | 42 | -26 | .080 | 9 | 10 | 4 | NP_002944 | Q15418 |
| 376 | PN176 | Hsp90b | S254 | Heat shock 90 kDa protein beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 78 | 119 | 71 | 101 | 111 | 96 | 19 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 57 | 45 | 59 | 52 | 140 | 71 | 35 | 49 | -26 | .218 | 1 | 8 | 1 | NP_031381 | P08238 |
| 76 | PK534 | B-Raf | S446+S447 | RafB proto-oncogene-encoded protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8248 | 6394 | 6636 | 8485 | 8486 | 7650 | 933 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5730 | 5543 | 5530 | 6280 | 5062 | 5629 | 393 | 7 | -26 | .013 | 1 | 6 | 2 | NP_004324 | P15056 |
| 561 | NK212 | Nlk | Pan-specific | Serine/threonine protein kinase NLK | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 463 | 269 | 570 | 636 | 1281 | 644 | 342 | 53 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 413 | 355 | 395 | 483 | 719 | 473 | 130 | 27 | -27 | .189 | 9 | 8 | 11 | NP_057315.3 | Q9UBE8 |
| 573 | NK120-5 | p38a MAPK | Pan-specific | Mitogen-activated protein-serine kinase p38 alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10496 | 7456 | 10366 | 11036 | 11494 | 10170 | 1415 | 14 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6676 | 7901 | 7166 | 8374 | 7158 | 7455 | 604 | 8 | -27 | .032 | 1 | 9 | 3 | NP_001306 | Q16539 |
| 330 | NN048 | Grp78 | Pan-specific | Glucose regulated protein 78 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5658 | 5013 | 6080 | 4373 | 11182 | 6461 | 2431 | 38 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5666 | 5050 | 5303 | 2555 | 5105 | 4736 | 1111 | 23 | -27 | .204 | 15 | 8 | 1 | NP_005338 | P11021 |
| 402 | PN044 | Integrin b1 | S785 | Integrin beta 1 (fibronectin receptor beta subunit, CD29 antigen) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1260 | 1135 | 1986 | 1426 | 1518 | 1465 | 292 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 833 | 1143 | 1340 | 1181 | 870 | 1073 | 193 | 18 | -27 | .035 | 12 | 8 | 7 | NP_002202 | P05556 |
| 170 | NK042 | COT | Pan-specific | Osaka thyroid oncogene protein-serine kinase (Tpl2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4692 | 2366 | 5041 | 3268 | 5135 | 4100 | 1096 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3126 | 2360 | 2938 | 3689 | 2900 | 3002 | 428 | 14 | -27 | .116 | 13 | 6 | 7 | NP_005195 | P41279 |
| 26 | NK130-7 | Akt2 (PKBb) | Pan-specific | RAC-beta serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 693 | 658 | 772 | 837 | 2796 | 1151 | 825 | 72 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 586 | 650 | 984 | 539 | 1452 | 842 | 343 | 41 | -27 | .319 | 15 | 6 | 1 | NP_001617 | P31751 |
| 403 | PK032-1 | IR | Y972 | Insulin receptor | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 804 | 1045 | 989 | 754 | 589 | 836 | 165 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 626 | 918 | 535 | 575 | 384 | 608 | 175 | 29 | -27 | .017 | 16 | 8 | 7 | NP_000199 | P06213 |
| 283 | NK206-5 | ERK5 | Pan-specific | Extracellular regulated protein-serine kinase 5 (Big MAP kinase 1 (BMK1)) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11008 | 6866 | 9843 | 7845 | 7367 | 8586 | 1577 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6770 | 7403 | 6121 | 6642 | 4242 | 6235 | 1077 | 17 | -27 | .057 | 13 | 7 | 6 | NP_620602 | Q13164 |
| 485 | NK100-6 | MEK2 | Pan-specific | MAPK/ERK protein-serine kinase 2 (MKK2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 18108 | 14063 | 14770 | 15660 | 11095 | 14739 | 2278 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 15001 | 7799 | 9047 | 9825 | 11850 | 10704 | 2519 | 24 | -27 | .038 | 8 | 8 | 10 | AAH00471.1 | P36507 |
| 397 | NK078-2 | ILK1 | Pan-specific | Integrin-linked protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1424 | 1040 | 1940 | 1390 | 1764 | 1512 | 314 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1357 | 993 | 849 | 1168 | 1097 | 1093 | 170 | 16 | -28 | .106 | 8 | 8 | 6 | NP_001547 | O14920 |
| 82 | NK014 | Btk | Pan-specific | Bruton's agammaglobulinemia tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1239 | 1010 | 959 | 1519 | 1536 | 1253 | 244 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 657 | 1026 | 663 | 877 | 1303 | 905 | 242 | 27 | -28 | .045 | 13 | 6 | 3 | NP_000052 | Q06187 |
| 668 | NK138-1 | PKCl | Pan-specific | Protein-serine kinase C lambda/iota | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 929 | 678 | 1462 | 1102 | 2832 | 1401 | 760 | 54 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1002 | 724 | 842 | 1313 | 1165 | 1009 | 212 | 21 | -28 | .326 | 13 | 9 | 9 | NP_002731 | P41743 |
| 560 | NK207 | NIK | Pan-specific | NF-kappa beta-inducing kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 526 | 417 | 718 | 832 | 1567 | 812 | 404 | 50 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 489 | 422 | 534 | 619 | 847 | 582 | 147 | 25 | -28 | .150 | 5 | 8 | 11 | NP_003945.2 | Q99558 |
| 771 | PN161 | Shc1 | Y349 | SH2 domain-containing transforming protein 1 | 0, 0 | 0, 1 | 0, 0 | 0, 0 | 0, 0 | 465 | 586 | 1000 | 637 | 945 | 727 | 209 | 29 | 0, 0 | 0, 1 | 0, 0 | 0, 0 | 0, 0 | 334 | 362 | 652 | 668 | 586 | 520 | 143 | 28 | -28 | .047 | 8 | 10 | 6 | NP_003020 | P29353 |
| 639 | NK213 | PITSLRE | Pan-specific | PITSLRE serine/threonine-protein kinase CDC2L1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 338 | 699 | 413 | 524 | 1103 | 615 | 272 | 44 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 322 | 575 | 394 | 382 | 528 | 440 | 95 | 22 | -28 | .165 | 10 | 9 | 8 | NP_001278274.1 | P21127 |
| 589 | NK059-5 | p38g MAPK | Pan-specific | Mitogen-activated protein-serine kinase p38 gamma (MAPK12) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4591 | 4772 | 7724 | 5357 | 6394 | 5768 | 1163 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4012 | 4314 | 4656 | 4321 | 3269 | 4114 | 469 | 11 | -29 | .050 | 12 | 9 | 7 | NP_002960 | P53778 |
| 94 | PN505 | Cas-L | Y166 | Enhancer of filamentation 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3098 | 1814 | 3749 | 2464 | 3885 | 3002 | 781 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2081 | 1714 | 1961 | 2862 | 2080 | 2140 | 385 | 18 | -29 | .124 | 13 | 6 | 6 | NP_001135865.1 | Q14511 |

## Full Analysis: 10 Individual Wounds

| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Patient 1-Smaller | Flag-Patient 2-Smaller | Flag-Patient 3-Smaller | Flag-Patient 4-Smaller | Flag-Patient 5-Smaller | Globally Normalized - Patient 1-Smaller | Globally Normalized - Patient 2-Smaller | Globally Normalized - Patient 3-Smaller | Globally Normalized - Patient 4-Smaller | Globally Normalized - Patient 5-Smaller | Average - Smaller | S. Dev. - Smaller | %.S.Dev. Smaller | Flag-Patient 1-Bigger | Flag-Patient 2-Bigger | Flag-Patient 3-Bigger | Flag-Patient 4-Bigger | Flag-Patient 5-Bigger | Globally Normalized - Patient 1-Bigger | Globally Normalized - Patient 2-Bigger | Globally Normalized - Patient 3-Bigger | Globally Normalized - Patient 4-Bigger | Globally Normalized - Patient 5-Bigger | Average - Larger | S. Dev. - Larger | %.S.Dev. - Larger | %CFC - Average Larger from Average Smaller | Student T test p value | Block | Row | Column | Refseq | Uniprot Link |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | | |
| | | | | | | | | | | 1545 | 1490 | 1864 | 1726 | 2278 | | | | | | | | | 1597 | 1688 | 1753 | 1745 | 1646 | | | | | | | | | | |
| 603 | NN084 | PACSIN1 | Pan-specific | Protein kinase C + casein kinase substrate in neurons protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 936 | 825 | 1940 | 1142 | 2743 | 1517 | 727 | 48 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1298 | 410 | 904 | 1646 | 1142 | 1080 | 413 | 38 | -29 | .338 | 11 | 9 | 5 | NP_065855 | Q9BY11 |
| 593 | PN057-2 | p53 | S392 | Tumor suppressor protein p53 (antigenNY-CO-13) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 888 | 724 | 902 | 871 | 572 | 791 | 127 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 616 | 734 | 557 | 522 | 384 | 563 | 115 | 20 | -29 | .026 | 16 | 9 | 7 | NP_000537 | P04637 |
| 550 | NK117-3 | Nek2 | Pan-specific | NIMA (never-in-mitosis)-related protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 570 | 443 | 595 | 659 | 1364 | 726 | 327 | 45 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 293 | 365 | 379 | 956 | 583 | 515 | 241 | 47 | -29 | .292 | 14 | 9 | 3 | NP_002488 | P51955 |
| 575 | PK060-1 | p38a MAPK | T180/Y182 | Mitogen-activated protein-serine kinase p38 alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1907 | 1380 | 1900 | 1333 | 2203 | 1745 | 336 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1549 | 935 | 833 | 1564 | 1307 | 1238 | 304 | 25 | -29 | .090 | 13 | 9 | 3 | NP_001306 | Q16539 |
| 73 | NK156 | B-Raf | Pan-specific | RafB proto-oncogene-encoded protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1373 | 1025 | 1306 | 1491 | 3222 | 1684 | 784 | 47 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 968 | 979 | 606 | 1172 | 2225 | 1190 | 549 | 46 | -29 | .039 | 9 | 6 | 2 | NP_004324 | P15056 |
| 490 | NK101-3 | MEK3 | Pan-specific | MAPK/ERK protein-serine kinase 3 beta isoform (MKK3 beta) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3201 | 3928 | 2391 | 2734 | 2753 | 3001 | 530 | 18 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2374 | 3026 | 1726 | 1814 | 1657 | 2119 | 520 | 25 | -29 | .000 | 12 | 8 | 11 | NP_659732 | P46734 |
| 406 | NK081 | IRAK2 | Pan-specific | Interleukin 1 receptor-associated kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1703 | 1639 | 2944 | 2164 | 3287 | 2347 | 662 | 28 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1401 | 1513 | 1927 | 1862 | 1573 | 1655 | 204 | 12 | -29 | .081 | 12 | 8 | 8 | NP_001561.3 | O43187 |
| 679 | NK148 | PKN | Pan-specific | Protein kinase C-related protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 447 | 464 | 593 | 486 | 1591 | 716 | 441 | 61 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 354 | 578 | 513 | 500 | 575 | 504 | 81 | 16 | -30 | .358 | 4 | 10 | 1 | NP_002732 | Q16512 |
| 467 | PK694 | MARK1 | T215 | MAP/microtubule affinity-regulating protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 16864 | 11317 | 17612 | 14060 | 10416 | 14054 | 2873 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11699 | 12382 | 7028 | 11105 | 7094 | 9861 | 2322 | 24 | -30 | .091 | 13 | 8 | 5 | NP_001273053.1 | Q9P0L2 |
| 401 | PN043 | Integrin a4 | S988 | Integrin alpha 4 (VLA4) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10601 | 7158 | 9817 | 5603 | 5795 | 7795 | 2058 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6907 | 6106 | 5492 | 5220 | 3557 | 5456 | 1113 | 20 | -30 | .036 | 8 | 8 | 7 | NP_000876 | P13612 |
| 596 | PK166 | p70 S6K | S411 | Ribosomal protein S6 kinase beta-1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 799 | 497 | 1341 | 973 | 1143 | 951 | 289 | 30 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 448 | 470 | 680 | 762 | 967 | 665 | 193 | 29 | -30 | .056 | 12 | 9 | 9 | NP_003152 | P23443 |
| 678 | NK203 | PKG1b-NT | Pan-specific | cGMP-dependent protein kinase 1, beta isozyme | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3305 | 4506 | 5575 | 4093 | 4167 | 4329 | 737 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3523 | 3276 | 2778 | 3467 | 2088 | 3027 | 538 | 18 | -30 | .070 | 16 | 9 | 11 | NP_006249.1 | P14619 |
| 381 | NN131 | I2PP2A (PHAPII) | Pan-specific | Protein SET | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 7590 | 4394 | 7035 | 6796 | 10487 | 7261 | 1949 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 5316 | 4999 | 2680 | 6459 | 5840 | 5059 | 1288 | 25 | -30 | .104 | 9 | 8 | 2 | NP_003002 | Q01105 |
| 318 | NK065 | Fyn | Pan-specific | Fyn proto-oncogene-encoded protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1039 | 1602 | 1568 | 931 | 2696 | 1567 | 626 | 40 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1291 | 1438 | 900 | 1014 | 808 | 1090 | 238 | 22 | -30 | .283 | 15 | 7 | 9 | NP_002028 | P06241 |
| 184 | NK044-2 | Csk | Pan-specific | C-terminus of Src tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 853 | 547 | 689 | 604 | 1225 | 784 | 244 | 31 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 800 | 338 | 298 | 647 | 641 | 545 | 194 | 36 | -30 | .103 | 9 | 6 | 11 | NP_004374 | P41240 |
| 783 | PN184 | Smad2 | S467 | Mothers against decapentaplegic homolog 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1409 | 1005 | 1837 | 1662 | 1306 | 1444 | 288 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 732 | 1026 | 942 | 1326 | 992 | 1004 | 191 | 19 | -30 | .050 | 8 | 10 | 9 | NP_001003652 | Q15796 |
| 571 | NK120-2 | p38a (MAPK 14) | Pan-specific | Mitogen-activated protein-serine kinase p38 alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5786 | 3480 | 4661 | 4501 | 5431 | 4772 | 802 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3854 | 3218 | 1769 | 4270 | 3465 | 3315 | 851 | 26 | -31 | .050 | 9 | 9 | 3 | NP_001306 | Q16539 |
| 491 | PK051 | MEK3/6 | S189 + S207 | MAPK/ERK protein-serine kinase 3 beta isoform (MKK3 beta) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 112 | 93 | 198 | 170 | 138 | 142 | 38 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 60 | 56 | 86 | 145 | 146 | 98 | 40 | 40 | -31 | .093 | 16 | 8 | 11 | NP_002747 | P46734 |
| 97 | NN016 | Caspase 6 | Pan-specific | Caspase 6 (apoptotic protease Mch2) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 675 | 396 | 1074 | 656 | 570 | 674 | 223 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 315 | 448 | 604 | 550 | 421 | 467 | 101 | 22 | -31 | .090 | 16 | 6 | 7 | NP_001217 | P55212 |
| 295 | PK017 | FAK | Y397 | Focal adhesion protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7613 | 7730 | 9852 | 8627 | 7185 | 8201 | 949 | 12 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6471 | 5785 | 5699 | 6240 | 4219 | 5683 | 785 | 14 | -31 | .008 | 12 | 7 | 10 | NP_005598 | Q05397 |
| 461 | NK095 | Lyn | Pan-specific | Yes-related protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1354 | 1485 | 1148 | 1313 | 2311 | 1522 | 409 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1051 | 1289 | 911 | 770 | 1247 | 1054 | 197 | 19 | -31 | .043 | 5 | 8 | 4 | NP_002341 | P07948 |
| 281 | NK206-3 | ERK5 | Pan-specific | Extracellular regulated protein-serine kinase 5 (Big MAP kinase 1 (BMK1)) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1046 | 1212 | 1052 | 1042 | 2711 | 1413 | 653 | 46 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 946 | 1035 | 948 | 1011 | 940 | 976 | 39 | 4 | -31 | .262 | 5 | 7 | 7 | NP_620602 | Q13164 |
| 565 | NN075 | NT5E | Pan-specific | Ecto-5'-nucleotidase (CD73 antigen) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4470 | 2672 | 4695 | 4706 | 4990 | 4307 | 834 | 19 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3226 | 2342 | 1967 | 3973 | 3359 | 2973 | 724 | 24 | -31 | .032 | 9 | 9 | 1 | NP_002517 | P21589 |
| 111 | NK025-5 | Cdc2 p34 | Pan-specific | Cyclin-dependent protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 521 | 401 | 944 | 628 | 2340 | 967 | 710 | 73 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 523 | 395 | 547 | 849 | 1012 | 665 | 229 | 34 | -31 | .335 | 8 | 6 | 11 | NP_001777 | P06493 |
| 354 | NN054 | Hsc70 | Pan-specific | Heat shock 70 kDa protein 8 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 924 | 817 | 751 | 1813 | 3225 | 1506 | 942 | 63 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 496 | 723 | 863 | 1584 | 1501 | 1033 | 433 | 42 | -31 | .220 | 14 | 8 | 1 | NP_778225 | P33778 |
| 676 | NK142 | PKD (PKCm) | Pan-specific | Protein-serine kinase C mu (Protein kinase D) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 828 | 1601 | 800 | 846 | 2369 | 1289 | 618 | 48 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1003 | 907 | 722 | 737 | 1038 | 881 | 131 | 15 | -32 | .207 | 12 | 9 | 11 | NP_002733 | Q15139 |
| 615 | NK125 | PCTK1 | Pan-specific | PCTAIRE-1 protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 955 | 975 | 2290 | 1190 | 2699 | 1622 | 729 | 45 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1126 | 534 | 1152 | 1786 | 946 | 1109 | 404 | 36 | -32 | .295 | 11 | 9 | 8 | NP_148978 | Q00536 |
| 673 | PK089-1 | PKCt | S676 | Protein-serine kinase C theta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 999 | 755 | 1473 | 1214 | 1311 | 1150 | 250 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 585 | 599 | 900 | 938 | 910 | 787 | 159 | 20 | -32 | .007 | 12 | 9 | 10 | NP_006248 | Q04759 |
| 310 | NN172 | FHL2 | Pan-specific | Four and a half LIM domains protein 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1121 | 484 | 1138 | 1363 | 1587 | 1139 | 369 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 441 | 460 | 1017 | 924 | 1032 | 775 | 267 | 35 | -32 | .044 | 16 | 8 | 2 | NP_001034581.1 | Q14192 |
| 779 | NK250-1 | SIK3 | Pan-specific | Serine/threonine-protein kinase SIK3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5677 | 5739 | 6098 | 6387 | 5500 | 5880 | 319 | 5 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4231 | 5053 | 2694 | 4485 | 3540 | 4001 | 814 | 20 | -32 | .013 | 8 | 10 | 8 | NP_001268677.1 | Q9Y2K2 |
| 398 | PK662 | ILK1 | Y351 | Integrin-linked protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 954 | 855 | 1773 | 1373 | 1494 | 1290 | 342 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1098 | 636 | 881 | 1171 | 592 | 875 | 234 | 27 | -32 | .117 | 12 | 8 | 6 | NP_001547 | O14920 |
| 15 | NN003 | AK2 | Pan-specific | Adenylate kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1461 | 1283 | 2704 | 1430 | 3236 | 2023 | 794 | 39 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1842 | 853 | 1102 | 1850 | 1212 | 1372 | 404 | 29 | -32 | .265 | 12 | 6 | 4 | NP_001616 | P54819 |
| 190 | PN191 | Cyclin E | T395 | Cyclin E1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1021 | 650 | 810 | 945 | 1050 | 895 | 148 | 17 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 460 | 568 | 553 | 634 | 813 | 606 | 118 | 19 | -32 | .020 | 13 | 7 | 1 | NP_001229 | P24864 |
| 384 | PK153 | IGF1R | Y1165/Y1166 | Insulin-like growth factor 1 receptor protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 458 | 348 | 1027 | 715 | 671 | 644 | 234 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 241 | 352 | 479 | 558 | 544 | 435 | 122 | 28 | -32 | .085 | 16 | 8 | 3 | NP_000866 | P08069 |
| 749 | NK158 | RIPK | Pan-specific | Receptor-interacting protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5849 | 1916 | 6082 | 9583 | 9244 | 6534 | 2780 | 43 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3820 | 2458 | 4180 | 4068 | 7539 | 4413 | 1681 | 38 | -32 | .094 | 13 | 9 | 11 | NP_003795 | Q13546 |
| 23 | PK148 | Akt1 (PKBa) | Y474 | RAC-alpha serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1308 | 953 | 2391 | 2110 | 2354 | 1823 | 585 | 32 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 846 | 950 | 1229 | 1350 | 1776 | 1230 | 328 | 27 | -33 | .035 | 16 | 6 | 5 | NP_005154 | P31749 |
| 252 | NK053 | EphA1 | Pan-specific | Ephrin type-A receptor 1 protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1271 | 1079 | 2503 | 1103 | 2530 | 1697 | 672 | 40 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1418 | 590 | 965 | 1772 | 974 | 1144 | 409 | 36 | -33 | .282 | 6 | 7 | 5 | NP_005223 | P21709 |
| 405 | NK080-2 | IRAK1 | Pan-specific | Interleukin 1 receptor-associated kinase 1 (Pelle-like protein kinase) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 564 | 657 | 604 | 718 | 1485 | 805 | 344 | 43 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 432 | 502 | 367 | 425 | 988 | 543 | 227 | 42 | -33 | .016 | 8 | 8 | 8 | NP_001560 | P51617 |
| 87 | NK016-2 | CaMK1d | Pan-specific | Calcium/calmodulin-dependent protein-serine kinase 1 delta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 788 | 551 | 1251 | 770 | 2021 | 1076 | 525 | 49 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 679 | 703 | 826 | 666 | 736 | 722 | 57 | 8 | -33 | .230 | 1 | 6 | 5 | NP_003647 | Q8IU85 |
| 104 | NN167 | Caveolin 1 | Pan-specific | Caveolin 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 456 | 376 | 642 | 835 | 597 | 581 | 159 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 301 | 277 | 555 | 382 | 431 | 389 | 100 | 26 | -33 | .046 | 12 | 6 | 9 | NP_001166366.1 | Q03135 |
| 250 | PN170 | Elk1 | S389 | ETS domain-containing protein Elk-1 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 343 | 174 | 703 | 629 | 834 | 537 | 242 | 45 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 219 | 287 | 568 | 203 | 511 | 358 | 152 | 42 | -33 | .126 | 14 | 7 | 4 | NP_001107595.1 | P19419 |
| 674 | PK090-1 | PKCt | S695 | Protein-serine kinase C theta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 333 | 378 | 601 | 508 | 453 | 455 | 95 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 179 | 362 | 283 | 338 | 354 | 303 | 68 | 22 | -33 | .038 | 16 | 9 | 10 | NP_006248 | Q04759 |
| 648 | NK133-2 | PKCb | Pan-specific | Protein-serine kinase C beta 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4491 | 3524 | 5560 | 2837 | 5903 | 4463 | 1166 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3610 | 2244 | 1722 | 4674 | 2602 | 2971 | 1052 | 35 | -33 | .212 | 13 | 9 | 4 | NP_002729 | P05771 |
| 91 | PK556 | CaMK4 | T200 | Calcium/calmodulin-dependent protein-serine kinase 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3741 | 2138 | 4365 | 2543 | 4219 | 3401 | 900 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2171 | 2107 | 1658 | 2885 | 2493 | 2263 | 410 | 18 | -33 | .115 | 13 | 6 | 5 | NP_001735.1 | Q16566 |
| 806 | PN079-PN136 | STAT1 | Y701 | Signal transducer and activator of transcription 1 alpha | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 1524 | 892 | 1585 | 1597 | 2832 | 1686 | 630 | 37 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 544 | 536 | 1259 | 1471 | 1767 | 1115 | 497 | 45 | -34 | .039 | 15 | 10 | 8 | NP_009330 | P42224 |
| 530 | NK208 | MLK3 | Pan-specific | Mixed-lineage protein kinase 3 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 258 | 216 | 319 | 424 | 955 | 434 | 270 | 62 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 233 | 259 | 260 | 243 | 439 | 287 | 77 | 27 | -34 | .211 | 2 | 8 | 10 | NP_002410 | Q16584 |
| 108 | PN171 | c-Cbl | Y700 | Signal transduction protein CBL | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1043 | 683 | 1320 | 1351 | 1575 | 1194 | 306 | 26 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 552 | 536 | 709 | 980 | 1162 | 788 | 246 | 31 | -34 | .006 | 12 | 6 | 10 | NP_005179.2 | P22681 |
| 745 | PN151 | RelB | S552 | Transcription factor RelB | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1038 | 585 | 1253 | 2023 | 2316 | 1443 | 638 | 44 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 660 | 1007 | 1005 | 1031 | 1041 | 949 | 145 | 15 | -34 | .172 | 13 | 9 | 10 | NP_006500.2 | Q01201 |
| 301 | NK061 | Fes | Pan-specific | Fes/Fps protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1535 | 1332 | 2297 | 1592 | 2944 | 1940 | 599 | 31 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1803 | 800 | 988 | 1688 | 1087 | 1273 | 398 | 31 | -34 | .176 | 12 | 7 | 11 | NP_001996 | P07332 |
| 86 | NN137-1 | Calreticulin | Pan-specific | Calreticulin | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 16801 | 8094 | 12085 | 13130 | 15358 | 13093 | 2996 | 23 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 8814 | 8798 | 6629 | 9800 | 8854 | 8579 | 1046 | 12 | -34 | .040 | 13 | 6 | 4 | NP_004334.1 | P27797 |
| 781 | NN095 | Smac/DIABLO | Pan-specific | Second mitochondria-derived activator of caspase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 600 | 350 | 1211 | 1121 | 1045 | 865 | 333 | 38 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 254 | 383 | 572 | 931 | 694 | 567 | 237 | 42 | -34 | .054 | 16 | 10 | 8 | NP_620308 | Q9NR28 |
| 25 | NK130-6 | Akt2 (PKBb) | Pan-specific | RAC-beta serine/threonine-protein kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 578 | 545 | 1271 | 739 | 3219 | 1271 | 1008 | 79 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 591 | 481 | 706 | 898 | 1480 | 831 | 353 | 42 | -35 | .274 | 11 | 6 | 1 | NP_001617 | P31751 |
| 774 | NP026-2 | SHP2 | Pan-specific | Protein-tyrosine phosphatase 1D (SHP2, SHPTP2, Syp, PTP2C) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1492 | 1409 | 1990 | 1381 | 3970 | 2048 | 986 | 48 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1284 | 1124 | 1051 | 1846 | 1355 | 1332 | 279 | 21 | -35 | .243 | 8 | 10 | 7 | NP_002825 | Q06124 |
| 680 | NK144-1 | PKR1 | Pan-specific | Double stranded RNA dependent protein-serine kinase | 0, 0 | 0, 0 | 1, 0 | 0, 0 | 0, 0 | 604 | 469 | 842 | 757 | 2278 | 990 | 657 | 66 | 0, 0 | 0, 0 | 1, 0 | 0, 0 | 0, 0 | 580 | 592 | 717 | 798 | 528 | 643 | 99 | 15 | -35 | .382 | 12 | 10 | 1 | NP_002750 | P19525 |
| 864 | NP037 | Wip1 | Pan-specific | Protein phosphatase 1D | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1372 | 1117 | 1815 | 1232 | 1806 | 1469 | 291 | 20 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1273 | 717 | 694 | 1229 | 846 | 952 | 250 | 26 | -35 | .083 | 8 | 10 | 11 | NP_003611.1 | O15297 |
| 554 | NK119 | Nek7 | Pan-specific | NIMA (never-in-mitosis)-related protein-serine kinase 7 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1175 | 670 | 1710 | 930 | 2257 | 1348 | 570 | 42 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1080 | 380 | 632 | 1303 | 959 | 871 | 328 | 38 | -35 | .200 | 13 | 8 | 9 | NP_598001 | Q8TDX7 |
| 654 | PK080 | PKCd | S664 | Protein-serine kinase C delta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 497 | 352 | 343 | 651 | 240 | 417 | 143 | 34 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 319 | 736 | 19 | 14 | 257 | 269 | 264 | 98 | -35 | .435 | 1 | 9 | 6 | NP_006245 | Q05655 |
| 671 | PK093-1 | PKCm (PKD) | S916 | Protein-serine kinase C mu (Protein kinase D) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3018 | 2511 | 3103 | 2723 | 1986 | 2668 | 401 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1712 | 2028 | 1487 | 1958 | 1360 | 1709 | 259 | 15 | -36 | .011 | 8 | 9 | 10 | NP_002733 | Q15139 |
| 489 | NK101 | MEK3 | Pan-specific | MAPK/ERK protein-serine kinase 3 beta isoform (MKK3 beta) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 719 | 593 | 603 | 562 | 1046 | 705 | 179 | 25 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 636 | 311 | 288 | 451 | 564 | 450 | 137 | 30 | -36 | .025 | 8 | 8 | 11 | NP_659732 | P46734 |
| 599 | PK146 | p70 S6K | T421/S424 | Ribosomal protein S6 kinase beta-1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 200 | 35 | 76 | 89 | 97 | 99 | 55 | 55 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 25 | 50 | 83 | 96 | 60 | 63 | 25 | 39 | -37 | .365 | 4 | 9 | 9 | NP_003152 | P23443 |
| 876 | NK188-1 | ZIPK | Pan-specific | ZIP kinase (death associated protein-serine kinase 3 (DAPK3)) | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 492 | 742 | 1051 | 805 | 1307 | 880 | 278 | 32 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 327 | 425 | 315 | 1105 | 598 | 554 | 293 | 53 | -37 | .164 | 13 | 10 | 11 | NP_001339 | O43293 |
| 298 | PK629 | FAK | Y577 | Focal adhesion protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2750 | 1797 | 2431 | 2008 | 2537 | 2305 | 350 | 15 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1755 | 1304 | 1354 | 1653 | 1181 | 1449 | 218 | 15 | -37 | .010 | 16 | 7 | 10 | NP_005598 | Q05397 |
| 105 | PN147 | Caveolin 1 | Y14 | Caveolin 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 122 | 143 | 372 | 227 | 322 | 237 | 98 | 41 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 77 | 145 | 147 | 213 | 162 | 149 | 43 | 29 | -37 | .118 | 16 | 6 | 9 | NP_001166366.1 | Q03135 |
| 112 | NK025-6 | Cdc2 p34 | Pan-specific | Cyclin-dependent protein-serine kinase 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1020 | 1207 | 943 | 994 | 2594 | 1352 | 628 | 46 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 795 | 898 | 735 | 700 | 1103 | 846 | 145 | 17 | -37 | .110 | 12 | 6 | 11 | NP_001777 | P06493 |
| 139 | NK027-2 | CDK4 | Pan-specific | Cyclin-dependent protein-serine kinase 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 429 | 576 | 629 | 482 | 2906 | 1004 | 953 | 95 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 429 | 638 | 710 | 528 | 838 | 629 | 142 | 23 | -37 | .425 | 7 | 7 | 1 | NP_000066 | P11802 |
| 576 | PK060-3 | p38a MAPK | T180/Y182 | Mitogen-activated protein-serine kinase p38 alpha | 0, 0 | 0, 0 | 1, 1 | 1, 1 | 1,1 | 890 | 348 | 28 | 1131 | 538 | 587 | 390 | 66 | 0, 0 | 0, 0 | 1, 1 | 1, 1 | 1,1 | 20 | 599 | 501 | 333 | 384 | 367 | 197 | 54 | -37 | .462 | 12 | 9 | 4 | NP_001306 | Q16539 |
| 763 | PK100 | RSK1/2 | S363/S369 | Ribosomal S6 protein-serine kinase 1/2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1064 | 788 | 1511 | 1106 | 1273 | 1148 | 239 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 530 | 561 | 683 | 793 | 1005 | 714 | 173 | 24 | -38 | .018 | 1 | 10 | 4 | NP_002944 | Q15418 |
| 290 | NK060 | FAK | Pan-specific | Focal adhesion protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 531 | 651 | 514 | 420 | 658 | 555 | 90 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 446 | 354 | 264 | 330 | 328 | 344 | 59 | 17 | -38 | .015 | 8 | 7 | 10 | NP_005598 | Q05397 |
| 488 | PK050 | MEK2 mouse | T394 | MAPK/ERK protein-serine kinase 2 (MKK2) (mouse) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1303 | 1279 | 1237 | 816 | 1290 | 1185 | 186 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 892 | 675 | 718 | 845 | 545 | 735 | 124 | 17 | -38 | .027 | 4 | 8 | 11 | NP_075627 | P36507 |
| 738 | PN131-1 | Rb | S795 | Retinoblastoma-associated protein 1 | 0, 1 | 0, 1 | 0, 0 | 0, 0 | 1, 1 | 1457 | 1025 | 2395 | 2145 | 1242 | 1653 | 528 | 32 | 0, 1 | 0, 1 | 0, 0 | 0, 0 | 1, 1 | 665 | 1100 | 1080 | 1299 | 957 | 1020 | 209 | 20 | -38 | .058 | 14 | 10 | 4 | NP_000312 | P06400 |
| 750 | NK160 | ROCK-I/ROKb | Pan-specific | RhoA protein-serine kinase beta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 212 | 293 | 375 | 275 | 691 | 369 | 169 | 46 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 147 | 213 | 368 | 243 | 168 | 228 | 78 | 34 | -38 | .215 | 1 | 10 | 1 | NP_005397 | Q13464 |
| 430 | NK088-2 | JNK2 | Pan-specific | Jun N-terminus protein-serine kinase (stress-activated protein kinase (SAPK)) 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 347 | 348 | 347 | 456 | 1456 | 590 | 435 | 74 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 280 | 348 | 266 | 250 | 676 | 364 | 159 | 44 | -38 | .186 | 2 | 8 | 3 | NP_002741 | P45983 |
| 79 | PN014 | BRCA1 | S1497 | Breast cancer type 1 susceptibility protein | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 833 | 391 | 1516 | 1095 | 1308 | 1029 | 391 | 38 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 428 | 559 | 618 | 727 | 834 | 633 | 139 | 22 | -38 | .081 | 1 | 6 | 3 | NP_009225 | P38398 |
| 666 | NK218 | PKCh | Pan-specific | Protein-serine kinase C eta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 489 | 623 | 652 | 526 | 999 | 658 | 181 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 374 | 566 | 288 | 291 | 504 | 405 | 112 | 28 | -38 | .034 | 1 | 9 | 4 | NP_006246.2 | P24723 |
| 274 | PK170-PK171 | ERK1/2 | T202+T185 | Extracellular regulated protein-serine kinase 1 (p44 MAP kinase) + Extracellular r | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 788 | 527 | 1548 | 886 | 670 | 884 | 353 | 40 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 492 | 505 | 560 | 481 | 680 | 544 | 74 | 14 | -38 | .132 | 13 | 7 | 4 | 36142.1, NP_002 | P27361 |
| 138 | NK027 | CDK4 | Pan-specific | Cyclin-dependent protein-serine kinase 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3618 | 3135 | 6351 | 3164 | 5794 | 4413 | 1378 | 31 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3443 | 2140 | 2420 | 3152 | 2393 | 2710 | 499 | 18 | -39 | .107 | 12 | 6 | 7 | NP_000066 | P11802 |
| 775 | PP004 | SHP2 | S576 | Protein-tyrosine phosphatase 1D (SHP2, SHPTP2, Syp, PTP2C) | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 39 | 284 | 680 | 54 | 118 | 235 | 239 | 102 | 0, 0 | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 13 | 13 | 482 | 31 | 181 | 144 | 180 | 125 | -39 | .215 | 4 | 10 | 7 | NP_002825 | Q06124 |
| 675 | NK141 | PKCz | Pan-specific | Protein-serine kinase C zeta | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 627 | 1062 | 664 | 523 | 597 | 695 | 189 | 27 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 494 | 551 | 325 | 413 | 333 | 423 | 88 | 21 | -39 | .021 | 8 | 9 | 11 | NP_002735 | Q05513 |
| 201 | NK050 | DRAK2 | Pan-specific | DAP kinase-related apoptosis-inducing protein-serine kinase 2 (STK17B) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1626 | 1440 | 2779 | 1679 | 3637 | 2232 | 845 | 38 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1981 | 925 | 1087 | 1612 | 1192 | 1359 | 385 | 28 | -39 | .169 | 16 | 7 | 4 | NP_004217 | O94768 |
| 325 | NN045 | GNB2L1 | Pan-specific | Guanine nucleotide-binding protein beta (receptor for activated C kinase 1 (RACK | 1, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1530 | 836 | 1954 | 1003 | 2529 | 1570 | 621 | 40 | 1, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1222 | 369 | 760 | 1561 | 868 | 956 | 407 | 43 | -39 | .183 | 11 | 7 | 11 | NP_006089 | P63244 |
| 188 | NN030-1 | Cyclin D1 | Pan-specific | Cyclin D1 (PRAD1) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 2185 | 1544 | 3055 | 1433 | 3610 | 2366 | 849 | 36 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1954 | 1027 | 648 | 1942 | 1572 | 1429 | 516 | 36 | -40 | .166 | 9 | 7 | 1 | NP_444284 | P24385 |
| 502 | NK106-2 | MEK7 | Pan-specific | MAPK/ERK protein-serine kinase 7 (MKK7) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1018 | 1232 | 1173 | 787 | 3755 | 1593 | 1092 | 69 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1000 | 1425 | 925 | 621 | 834 | 961 | 265 | 28 | -40 | .335 | 12 | 9 | 3 | NP_005034 | O14733 |
| 12 | CN001 | ACTA1 (Alpha -actin) | Pan-specific | Actin, alpha skeletal muscle | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 503 | 462 | 864 | 482 | 1207 | 703 | 292 | 42 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 559 | 286 | 317 | 510 | 450 | 424 | 107 | 25 | -40 | .158 | 16 | 6 | 3 | NP_001091.1 | P68133 |
| 186 | NN029 | Cyclin B1 | Pan-specific | Cyclin B1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1476 | 1031 | 1733 | 1954 | 3554 | 1949 | 859 | 44 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 950 | 1068 | 991 | 1257 | 1606 | 1174 | 240 | 20 | -40 | .075 | 5 | 7 | 1 | NP_114172 | P14635 |
| 378 | NK193 | HSTK12 (Aurora 2) | Pan-specific | Aurora Kinase B (serine/threonine protein kinase 12) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1799 | 1378 | 3081 | 1412 | 3765 | 2287 | 964 | 42 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1975 | 636 | 937 | 1841 | 1496 | 1377 | 516 | 37 | -40 | .182 | 13 | 8 | 1 | NP_004208 | Q96GD4 |
| 564 | NN074 | NME7 | Pan-specific | Nucleotide diphosphate kinase 7 (nm23-H7) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1155 | 825 | 1625 | 1024 | 2112 | 1348 | 464 | 34 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1173 | 404 | 410 | 1155 | 915 | 811 | 342 | 42 | -40 | .136 | 5 | 9 | 1 | NP_037462 | Q9Y5B8 |
| 801 | NK172-4 | Src | Pan-specific | Src proto-oncogene-encoded protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 256 | 254 | 377 | 452 | 2093 | 686 | 707 | 103 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 235 | 298 | 253 | 762 | 515 | 413 | 201 | 49 | -40 | .458 | 15 | 10 | 7 | NP_005408 | P12931 |
| 447 | NK090-2 | Krs-1 | Pan-specific | Protein-serine kinase suppressor of Ras 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 616 | 353 | 622 | 559 | 1178 | 666 | 274 | 41 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 302 | 340 | 429 | 518 | 401 | 398 | 74 | 19 | -40 | .125 | 14 | 8 | 6 | AAC50354.1 | Q8IVT5 |
| 92 | NK211 | CamKI | Pan-specific | Calcium/calmodulin-dependent protein-serine kinase 1 alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 838 | 494 | 1167 | 1325 | 3560 | 1477 | 1080 | 73 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 634 | 630 | 1166 | 860 | 1098 | 877 | 225 | 26 | -41 | .277 | 5 | 6 | 6 | NP_003647.1 | Q14012 |
| 590 | NN082 | p53 | Pan-specific | Tumor suppressor protein p53 (antigenNY-CO-13) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1317 | 2129 | 2518 | 1671 | 2172 | 1961 | 420 | 21 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1282 | 1426 | 1041 | 1212 | 859 | 1164 | 197 | 17 | -41 | .041 | 16 | 9 | 8 | NP_000537 | P04637 |
| 296 | PK017-1 | FAK | Y397 | Focal adhesion protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 16758 | 13358 | 27963 | 31598 | 47065 | 27349 | 11959 | 44 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9406 | 12267 | 15519 | 17028 | 26517 | 16148 | 5817 | 36 | -41 | .027 | 16 | 7 | 8 | NP_005598 | Q05397 |
| 279 | NK058 | ERK3 | Pan-specific | Extracellular regulated protein-serine kinase 4 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1226 | 727 | 1993 | 875 | 1981 | 1360 | 537 | 39 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1073 | 464 | 610 | 897 | 962 | 801 | 228 | 28 | -41 | .109 | 13 | 7 | 5 | NP_002738 | P31152 |
| 735 | PN113 | Rb | S608 | Retinoblastoma-associated protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 26 | 5 | 19 | 22 | 48 | 24 | 14 | 58 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11 | 5 | 5 | 16 | 34 | 14 | 11 | 75 | -41 | .030 | 1 | 9 | 10 | NP_000312 | P06400 |
| 275 | PK168-PK169 | ERK1/2 | Y204+Y187 | Extracellular regulated protein-serine kinase 1 (p44 MAP kinase) + Extracellular r | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1378 | 566 | 1961 | 966 | 1068 | 1188 | 466 | 39 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 762 | 329 | 620 | 924 | 813 | 690 | 205 | 30 | -42 | .096 | 9 | 7 | 4 | 36142.1, NP_002 | P27361 |
| 497 | NK104 | MEK5 | Pan-specific | MAPK/ERK protein-serine kinase 5 (MKK5) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 361 | 346 | 439 | 442 | 1917 | 701 | 609 | 87 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 294 | 303 | 308 | 463 | 658 | 405 | 141 | 35 | -42 | .289 | 16 | 9 | 2 | NP_660143 | Q13163 |
| 870 | NK186 | Yes | Pan-specific | Yamaguchi sarcoma proto-oncogene-encoded tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 22 | 12 | 32 | 37 | 28 | 26 | 9 | 33 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10 | 13 | 17 | 21 | 14 | 15 | 4 | 26 | -42 | .024 | 2 | 10 | 11 | NP_005424 | P07947 |
| 80 | NK013 | BRD2 | Pan-specific | Bromodomain-containing protein-serine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1348 | 923 | 2482 | 1515 | 3275 | 1909 | 853 | 45 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1224 | 683 | 828 | 1372 | 1374 | 1096 | 287 | 26 | -43 | .110 | 5 | 6 | 3 | NP_005095 | P25440 |
| 338 | NK071 | Haspin | Pan-specific | Haploid germ cell-specific nuclear protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1939 | 1145 | 2793 | 1122 | 3480 | 2096 | 925 | 44 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1769 | 630 | 782 | 1489 | 1300 | 1194 | 428 | 36 | -43 | .150 | 14 | 7 | 8 | NP_114171 | Q8TF76 |
| 197 | NK048 | DNAPK | Pan-specific | DNA-activated protein-serine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 1239 | 793 | 1548 | 1308 | 1572 | 1292 | 281 | 22 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 586 | 492 | 926 | 842 | 815 | 732 | 165 | 22 | -43 | .002 | 16 | 7 | 3 | NP_008835 | P78527 |
| 99 | PN162 | Catenin a | S641 | Catenin (cadherin-associated protein) alpha | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 407 | 357 | 1285 | 653 | 543 | 649 | 335 | 52 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 273 | 252 | 347 | 451 | 511 | 367 | 100 | 27 | -44 | .164 | 8 | 6 | 8 | NP_001277236.1 | P35221 |
| 101 | PN166 | Catenin b | S33 | Catenin (cadherin-associated protein) beta 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 588 | 458 | 1215 | 1144 | 866 | 854 | 297 | 35 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 260 | 375 | 729 | 483 | 549 | 479 | 159 | 33 | -44 | .017 | 16 | 6 | 8 | NP_001895 | P35222 |
| 462 | NK097 | MAPKAPK2 | Pan-specific | Mitogen-activated protein kinase-activated protein kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 794 | 790 | 1364 | 1113 | 2150 | 1242 | 502 | 40 | 0, 0 | 0, 0 | 0, 0 | 0, 1 | 0, 0 | 434 | 779 | 426 | 895 | 946 | 696 | 224 | 32 | -44 | .072 | 13 | 8 | 4 | NP_004750 | P49137 |
| 14 | NN002 | AIF | Pan-specific | Apoptosis inducing factor (programed cell death protein 8 (PDCD8)) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 827 | 836 | 923 | 739 | 3677 | 1401 | 1140 | 81 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 755 | 836 | 754 | 689 | 868 | 780 | 64 | 8 | -44 | .321 | 8 | 6 | 4 | NP_004199 | O95831 |
| 595 | NK223 | p70 S6K | Pan-specific | Ribosomal protein S6 kinase beta-1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 4456 | 5686 | 7333 | 6147 | 6498 | 6024 | 952 | 16 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 3180 | 3901 | 3188 | 3515 | 2870 | 3331 | 350 | 11 | -45 | .008 | 16 | 9 | 9 | NP_003152 | P23443 |
| 534 | NK111 | Mnk2 | Pan-specific | MAP kinase-interacting protein-serine kinase 2 (calmodulin-activated) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 686 | 463 | 673 | 787 | 2333 | 989 | 680 | 69 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 373 | 400 | 568 | 558 | 806 | 541 | 154 | 29 | -45 | .177 | 14 | 8 | 10 | NP_060042 | Q9HBH9 |
| 866 | PK855 | WNK1 | S382 | Serine/threonine-protein kinase WNK1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 20 | 10 | 34 | 30 | 55 | 30 | 15 | 51 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11 | 10 | 21 | 15 | 24 | 16 | 6 | 35 | -45 | .053 | 3 | 10 | 11 | NP_001171914.1 | Q9H4A3 |
| 418 | PK034-1 | JAK2 | Y1007+Y1008 | Janus protein-tyrosine kinase 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 38 | 14 | 25 | 26 | 119 | 44 | 38 | 86 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 16 | 16 | 14 | 10 | 57 | 23 | 17 | 75 | -48 | .119 | 15 | 8 | 4 | NP_004963 | O60674 |
| 815 | NN106 | STAT5B | Pan-specific | Signal transducer and activator of transcription 5B | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13 | 9 | 18 | 29 | 60 | 26 | 18 | 71 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5 | 7 | 13 | 18 | 24 | 13 | 7 | 52 | -49 | .108 | 2 | 10 | 5 | NP_036580 | P51692 |
| 875 | NK187-2 | ZAP70 | Pan-specific | Zeta-chain (TCR) associated protein-tyrosine kinase, 70 kDa | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 18 | 8 | 23 | 15 | 71 | 27 | 22 | 83 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6 | 7 | 20 | 12 | 23 | 14 | 7 | 49 | -50 | .202 | 1 | 10 | 11 | NP_003168 | P43403 |
| 786 | PN125 | SMC1 | S957 | Structural maintenance of chromosomes protein 1A | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 43 | 8 | 29 | 20 | 102 | 41 | 33 | 80 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14 | 10 | 18 | 15 | 43 | 20 | 12 | 58 | -50 | .133 | 4 | 10 | 10 | NP_006297.2. | Q14683 |
| 792 | NN145 | SOCS2 | Pan-specific | Suppressor of cytokine signaling 2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 20 | 5 | 19 | 13 | 75 | 26 | 25 | 93 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 12 | 6 | 12 | 8 | 26 | 13 | 7 | 54 | -51 | .202 | 7 | 10 | 5 | NP_003868.1 | O14508 |
| 877 | NK188-2 | ZIPK | Pan-specific | ZIP kinase (death associated protein-serine kinase 3 (DAPK3)) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 37 | 10 | 33 | 35 | 106 | 44 | 32 | 73 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 10 | 12 | 19 | 21 | 45 | 21 | 12 | 58 | -52 | .096 | 9 | 10 | 11 | NP_001339 | O43293 |
| 7 | NK001 | Abl | Pan-specific | Abelson proto-oncogene-encoded protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 317 | 509 | 341 | 256 | 1548 | 594 | 484 | 81 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 244 | 256 | 177 | 318 | 423 | 284 | 83 | 29 | -52 | .213 | 4 | 6 | 3 | NP_005148 | P00519 |
| 863 | NK185 | Wee1 | Pan-specific | Wee1 protein-tyrosine kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 20 | 10 | 45 | 21 | 61 | 31 | 19 | 61 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 7 | 10 | 15 | 10 | 29 | 14 | 8 | 54 | -54 | .053 | 4 | 10 | 11 | NP_003381 | P30291 |
| 791 | NK146-2 | Snk | Pan-specific | Polo-like protein kinase 2 (serum -inducible kinase (SNK)) | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 14 | 6 | 23 | 15 | 110 | 34 | 39 | 115 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 6 | 5 | 12 | 10 | 32 | 13 | 10 | 79 | -62 | .222 | 3 | 10 | 5 | NP_006613 | Q9NYY3 |
| 174 | PN023 | CREB1 | S129/S133 | cAMP response element binding protein 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 25 | 15 | 19 | 35 | 209 | 61 | 75 | 123 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 13 | 13 | 13 | 22 | 56 | 23 | 17 | 72 | -62 | .267 | 1 | 6 | 9 | NP_004370 | P16220 |
| 383 | PK655 | ICK | Y156+T157 | Intestinal cell (MAK-like) kinase | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 55 | 10 | 30 | 50 | 151 | 59 | 49 | 82 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 11 | 9 | 13 | 17 | 33 | 17 | 9 | 53 | -72 | .102 | 4 | 8 | 3 | NP_055735.1 | Q9UPZ9 |
| 839 | NK178 | TrkA | Pan-specific | Nerve growth factor (NGF) receptor-tyrosine kinase | 0, 0 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 45 | 158 | 42 | 40 | 152 | 88 | 55 | 63 | 0, 0 | 0, 1 | 0, 0 | 0, 0 | 0, 0 | 15 | 12 | 15 | 20 | 58 | 24 | 17 | 72 | -73 | .061 | 1 | 10 | 5 | NP_002520 | P04629 |
| 463 | PK044 | MAPKAPK2 | T222 | Mitogen-activated protein kinase-activated protein kinase 2 | 1, 1 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 565 | 231 | 2299 | 2053 | 627 | 1155 | 848 | 73 | 0, 0 | 0, 0 | 0, 0 | 1, 1 | 1,1 | 315 | 17 | 40 | 285 | 808 | 293 | 285 | 97 | -75 | .148 | 1 | 8 | 5 | NP_004750 | P49137 |
| 650 | PK075-2 | PKCb1/2 | T500 | Protein-serine kinase C beta 1/2 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 27 | 10 | 30 | 377 | 180 | 125 | 141 | 113 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 9 | 10 | 11 | 20 | 74 | 25 | 25 | 100 | -80 | .210 | 9 | 9 | 5 | NP_002729 | P05771 |
| 660 | PK081-2 | PKCe | S729 | Protein-serine kinase C epsilon | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 171 | 6 | 18 | 19 | 170 | 77 | 77 | 99 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 0, 0 | 5 | 7 | 9 | 12 | 30 | 13 | 9 | 69 | -84 | .152 | 1 | 9 | 7 | NP_005391 | Q02156 |
| | | | | | | | | | **Average** | 3991 | 3991 | 3991 | 3991 | 3991 | 3991 | | | | | | | **Average** | 3991 | 3991 | 3991 | 3991 | 3991 | 3991 | | | | | | | | | |
| | | | | | | | | | **Median** | 1545 | 1490 | 1864 | 1726 | 2278 | 1754 | 492 | 25 | | | | | **Median** | 1597 | 1688 | 1753 | 1745 | 1646 | 1680 | 421 | 24 | | | | | | | |
| | | | | | | | | | **Maximum** | 49061 | 58080 | 47720 | 60269 | 74340 | 57265 | | | | | | | **Maximum** | 42998 | 47565 | 59731 | 47453 | 80921 | 55395 | | | | | | | | | |

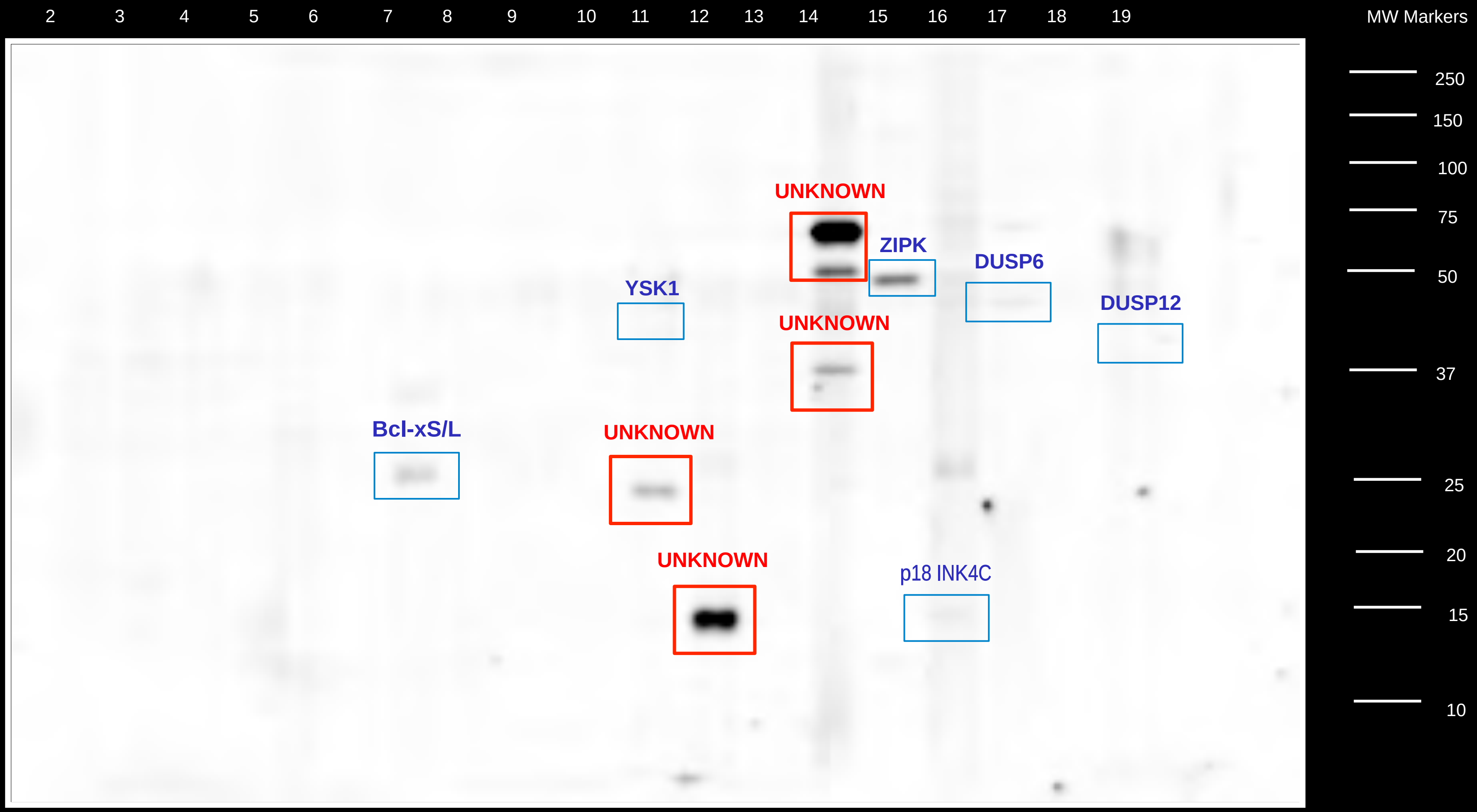
**Full Analysis: 10 Individual Wounds**

| | | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | Globally Normalized Median | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 1545 | 1490 | 1864 | 1726 | 2278 | | | | | | | | | 1597 | 1688 | 1753 | 1745 | 1646 | | | | | | | | | | |
| Serial No. | Antibody Codes | Target Protein Name | Phospho Site (Human) | Full Target Protein Name | Flag-Patient 1-Smaller | Flag-Patient 2-Smaller | Flag-Patient 3-Smaller | Flag-Patient 4-Smaller | Flag-Patient 5-Smaller | Globally Normalized - Patient 1-Smaller | Globally Normalized - Patient 2-Smaller | Globally Normalized - Patient 3-Smaller | Globally Normalized - Patient 4-Smaller | Globally Normalized - Patient 5-Smaller | Average - Smaller | S. Dev. - Smaller | %S.Dev. Smaller | Flag-Patient 1-Bigger | Flag-Patient 2-Bigger | Flag-Patient 3-Bigger | Flag-Patient 4-Bigger | Flag-Patient 5-Bigger | Globally Normalized - Patient 1-Bigger | Globally Normalized - Patient 2-Bigger | Globally Normalized - Patient 3-Bigger | Globally Normalized - Patient 4-Bigger | Globally Normalized - Patient 5-Bigger | Average - Larger | S. Dev. - Larger | %S.Dev. - Larger | %CFC - Average Larger from Average Smaller | Student T test p value | Block | Row | Column | Refseq | Uniprot Link |
| | | | | | | | | | Minimum | 13 | 5 | 16 | 11 | 28 | 24 | | | | | | | Minimum | 5 | 5 | 5 | 8 | 14 | 13 | | | | | | | | | |
| | | | | | | | | | Total | 3500000 | 3500000 | 3500000 | 3500000 | 3500000 | 3500000 | | | | | | | Total | 3500000 | 3500000 | 3500000 | 3500000 | 3500000 | 3500000 | | | | | | | | | |

# Appendix H

# Pre-screen Results

# Pre-Screen #1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MW Markers
250
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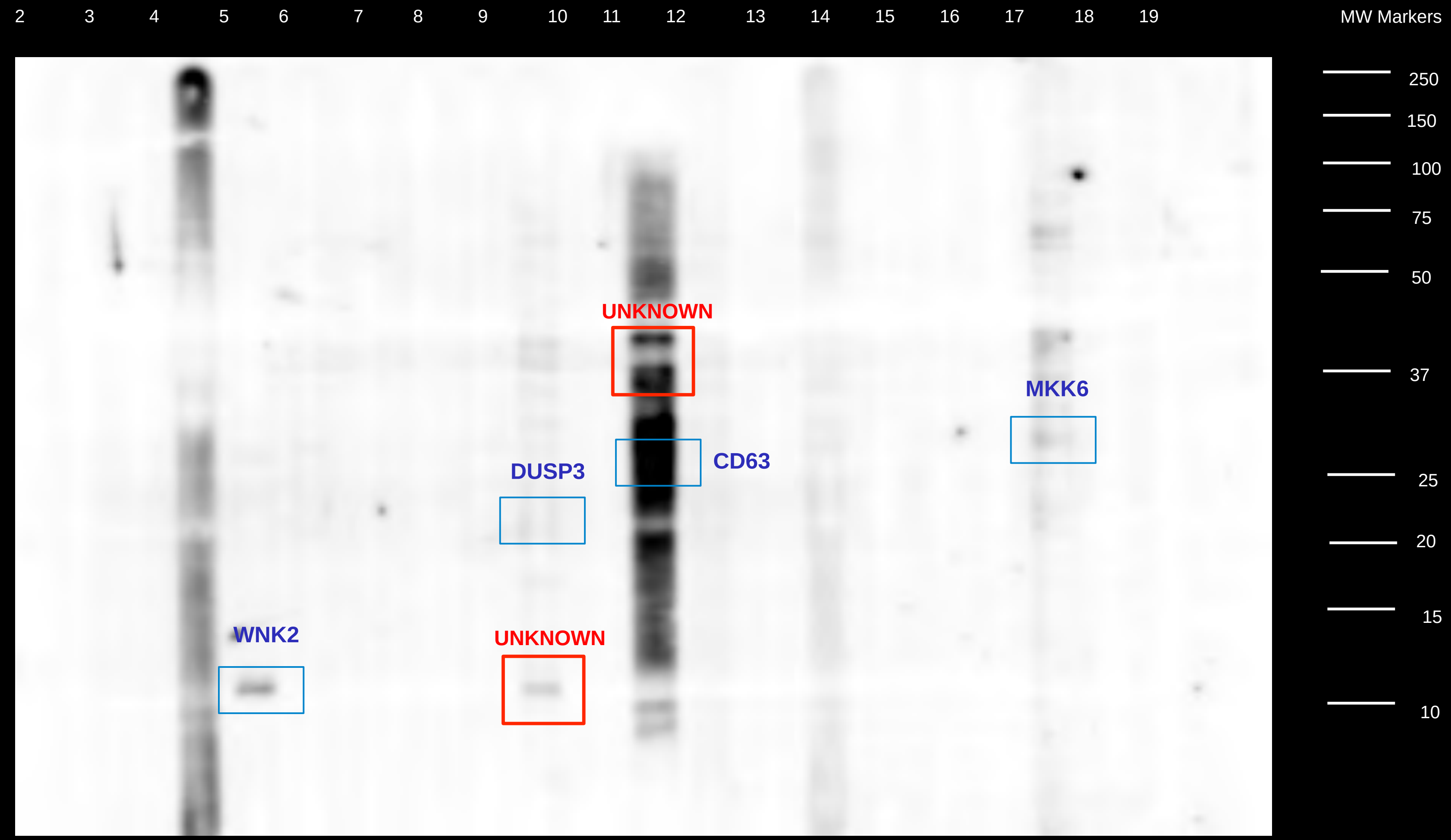
UNKNOWN
ZIPK
DUSP6
YSK1
DUSP12
UNKNOWN
Bcl-xS/L
UNKNOWN
UNKNOWN
p18 INK4C

# Target Proteins from Pre-Screen #1

| No. | Lane | Ab Code | Target | Protein | Site | Strength |
|---|---|---|---|---|---|---|
| 1 | 7 | NN008 | Bcl-xS/L | Bcl-xS/L | Pan-specific | Strong target |
| 2 | 11 | NK214 | YSK1 | YSK1 | Pan-specific | Weak target |
| 3 | 11 | NK214 | YSK1 | Unknown | Pan-specific | Moderate x-reactive |
| 4 | 12 | NK002 | ACK1 | Unknown | Pan-specific | Strong x-reactive |
| 5 | 14 | NK001-2 | Abl1 | Unknown | Pan-Specific | Moderate x-reactive |
| 6 | 14 | NK001-2 | Abl1 | Unknown | Pan-Specific | Weak x-reactive |
| 7 | 15 | NK188-1 | ZIPK | ZIPK | Pan-specific | Strong Target |
| 8 | 16 | NN077 | p18 INK4c | p18 INK4c | Pan-specific | Weak target |
| 9 | 17 | NP040-2 | DUSP6 | DUSP6 | Pan-specific | Weak target |
| 10 | 19 | NP046-3 | DUSP12 | DUSP12 | Pan-specific | Weak target |

# Pre-Screen #2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MW Markers
250
150
100
75
50
37
25
20
15
10
UNKNOWN
MKK6
CD63
DUSP3
WNK2
UNKNOWN

# Target Proteins from Pre-Screen #2

| No. | Lane | Ab Code | Target | Protein | Site | Strength |
|---|---|---|---|---|---|---|
| 1 | 4 | NK253-3 | WNK2 | Unknown | Pan-specific | Strong x-reactive |
| 2 | 9 | NP030-3 | DUSP3 | DUSP3 | Pan-specific | Weak target |
| 3 | 9 | NP030-3 | DUSP3 | Unknown | Pan-specific | Weak x-reactive |
| 4 | 11 | NN186 | CD63 | Unknown | Pan-specific | Moderate cross x-reactive |
| 5 | 11 | NN186 | CD63 | CD63 | Pan-specific | Strong target (dirty) |
| 6 | 18 | NK105-5 | MKK6 | MKK6 | Pan-specific | Weak target |

# Pre-Screen #3


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17
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19
MW Markers
250
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100
75
50
37
25
20
15
RAF1
UNKNOWN
UNKNOWN
UNKNOWN

# Target Proteins from Pre-Screen #3

| No. | Lane | Ab Code | Target | Protein | Site | Strength |
|---|---|---|---|---|---|---|
| 1 | 6 | NK155-6 | RAF1 | RAF1 | Pan-specific | Weak target |
| 2 | 18 | PK800 | Ron | Unknown | Y1238 | Weak x-reactive |
| 3 | 18 | PK800 | Ron | Unknown | Y1238 | Weak x-reactive |
| 4 | 18 | PK800 | Ron | Unknown | Y1238 | Weak x-reactive |

# Pre-Screen #4


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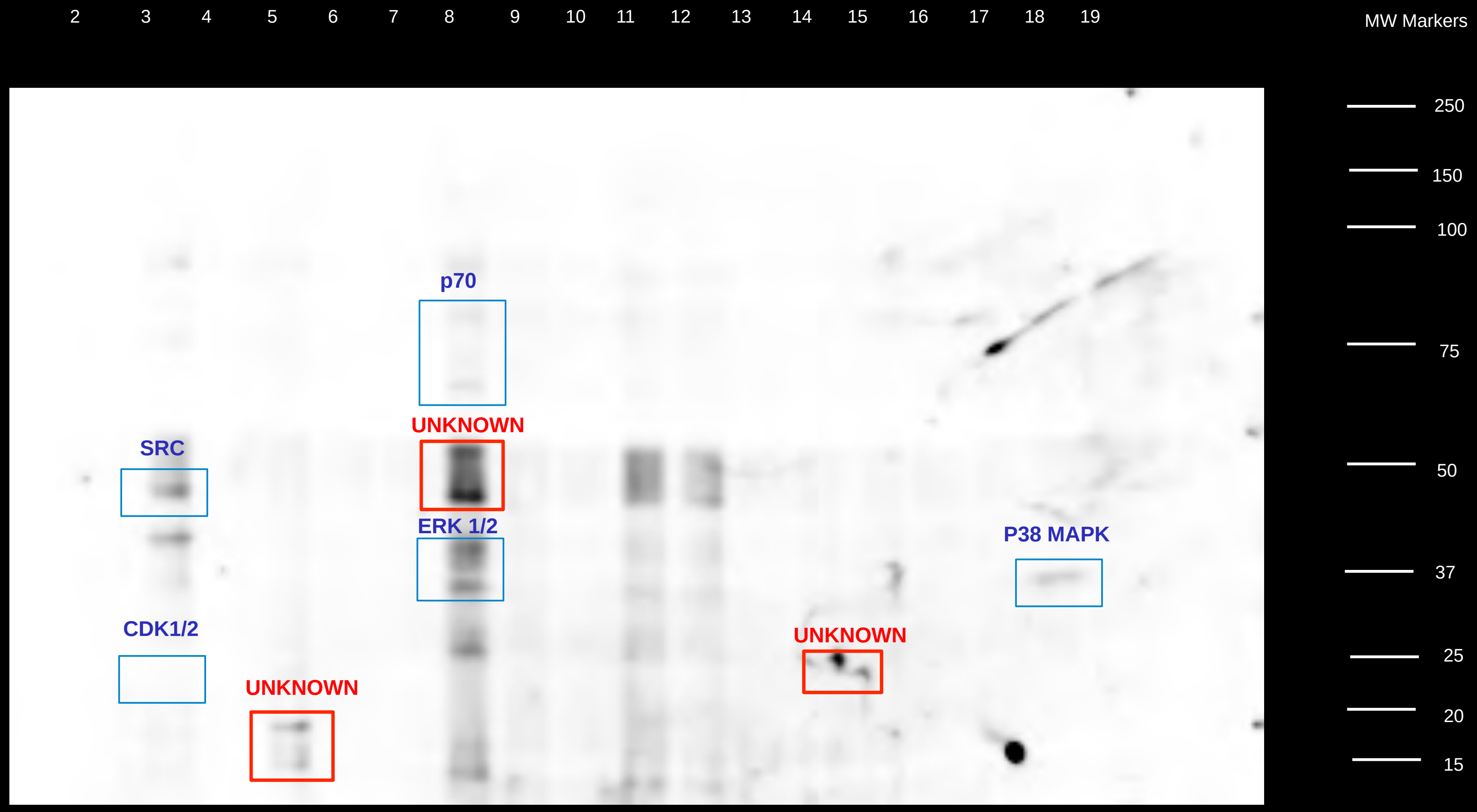
MW Markers
250
150
100
75
50
37
25
20
15
PKCz
p38 MAPK
ERK1/2
ERK2
CK2a
CDK1

# Target Proteins from Pre-Screen #4

| No. | Lane | Ab Code | Target | Protein | Site | Strength |
|---|---|---|---|---|---|---|
| 1 | 3 | NK120-3 | p38a MAPK | p38a MAPK | Pan-specific | Strong Target |
| 2 | 4 | NK025-2 | CDK1 | CDK1 (CDC2) | Pan-specific | Weak target |
| 3 | 4 | NK055-NK056 | Erk1/2 | Erk1/2 | Pan-specific | Weak target |
| 4 | 6 | NK0456 | Erk2 | Erk2 | Pan-specific | Weak target |
| 5 | 13 | NK141 | PKCz | PKCz | Pan-specific | Weak target |
| 6 | 20 | NK041 | CK2a | CK2a | Pan-specific | Moderate target |

# Pre-Screen #5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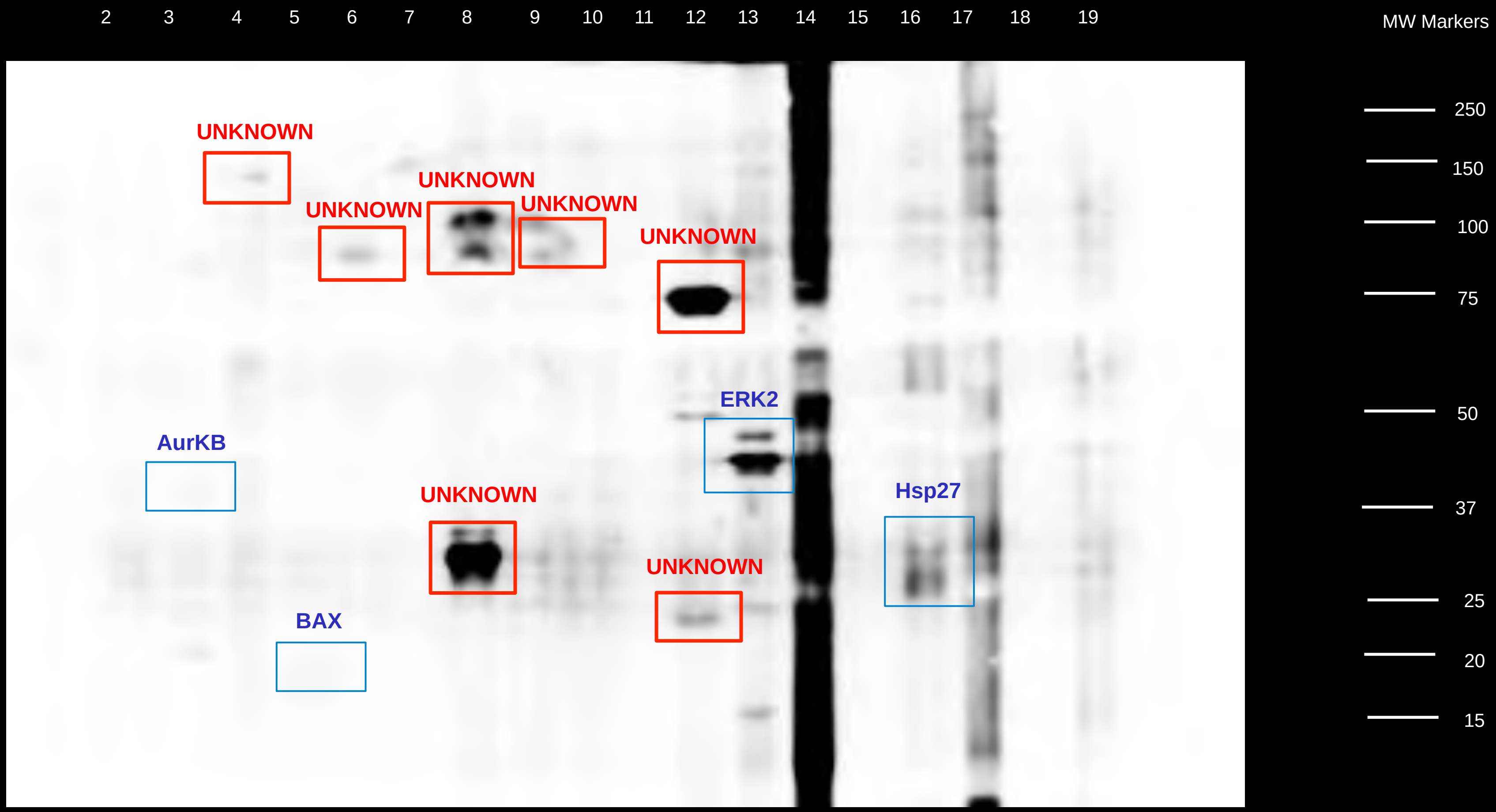
MW Markers
250
150
100
75
50
37
25
20
15
p70
UNKNOWN
SRC
ERK 1/2
P38 MAPK
CDK1/2
UNKNOWN
UNKNOWN

# Target Proteins from Pre-Screen #5

| No. | Lane | Ab Code | Target | Protein | Site | Strength |
|---|---|---|---|---|---|---|
| 1 | 3 | PK108 | Src | Src | Y530 | Strong target |
| 2 | 3 | PK007-2 | CDK1/2 | CDK1/2 | Y15 | Weak target |
| 3 | 5 | PK073/PK107 | PKCa or Src | Unknown | S657 / Y419 | Moderate x-reactive |
| 4 | 8 | PK147 | p70 S6 Kinase | p70 S6K | T412 | Weak target |
| 5 | 8 | PK147/PK168/PK170 | p70 or Erk1/2 | Unknown | Phospho-site | Strong x-reactive |
| 6 | 8 | PK168-PK169 | p44/42 MAPK | Erk1/2 | Y204/Y187 | Strong target |
| 6 | 8 | PK170-PK171 | p44/42 MAPK | Erk1/2 | T202/T185 | Strong target |
| 7 | 14 | PK072 | PKBa (Akt1) | Unknown | S473 | Moderate x-reactive |
| 8 | 18 | PK060-3 | p38a MAPK | p38a MAPK | T180/Y182 | Moderate target |

# Pre-Screen #6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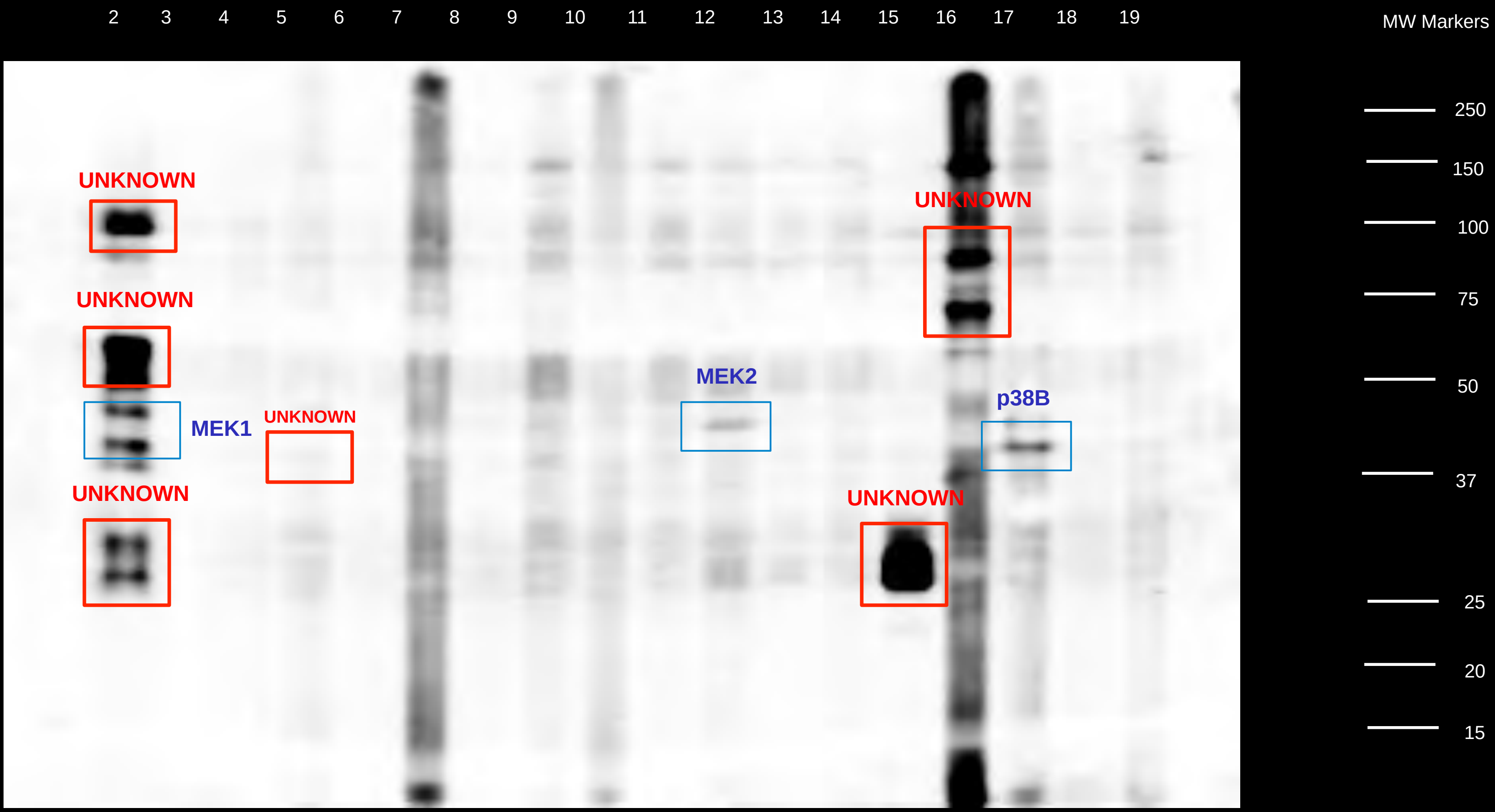
MW Markers
250
150
100
75
50
37
25
20
15
UNKNOWN
UNKNOWN
UNKNOWN
UNKNOWN
UNKNOWN
ERK2
AurKB
UNKNOWN
Hsp27
UNKNOWN
BAX

# Target Proteins from Pre-Screen #6

| No. | Lane | Ab Code | Target | Protein | Site | Strength |
|---|---|---|---|---|---|---|
| 1 | 3 | NK193-4 | AurKB | AurKB | Pan-specific | Weak target |
| 2 | 4 | NK130-9 | Akt2 | Unknown | Pan-specific | Weak x-reactive |
| 3 | 5 | NN005 | Bax | Bax | Pan-specific | Weak target |
| 4 | 6 | NN011 | Caspase 1 | Unknown | Pan-specific | Weal x-reactive |
| 5 | 8 | NK055-1 | ERK1 | Unknown | Pan-Specific | Strong x-reactive |
| 6 | 8 | NK055-1 | ERK1 | Unknown | Pan-Specific | Strong x-reactive |
| 7 | 9 | NK028-4 | Cdk5 | Unknown | Pan-specific | Moderate x-reactive |
| 8 | 12 | NK236-3 | FGFR3 | Unknown | Pan-specific | Strong x-reactive |
| 9 | 12 | NK236-3 | FGFR3 | Unknown | Pan-specific | Moderate x-reactive |
| 10 | 13 | NK056-4 | ERK2 | ERK2 | Pan-Specific | Strong target |
| 11 | 16 | NN165-1 | Hsp90 beta | Hsp90 beta | Pan-specific | Strong target |

# Pre-Screen #7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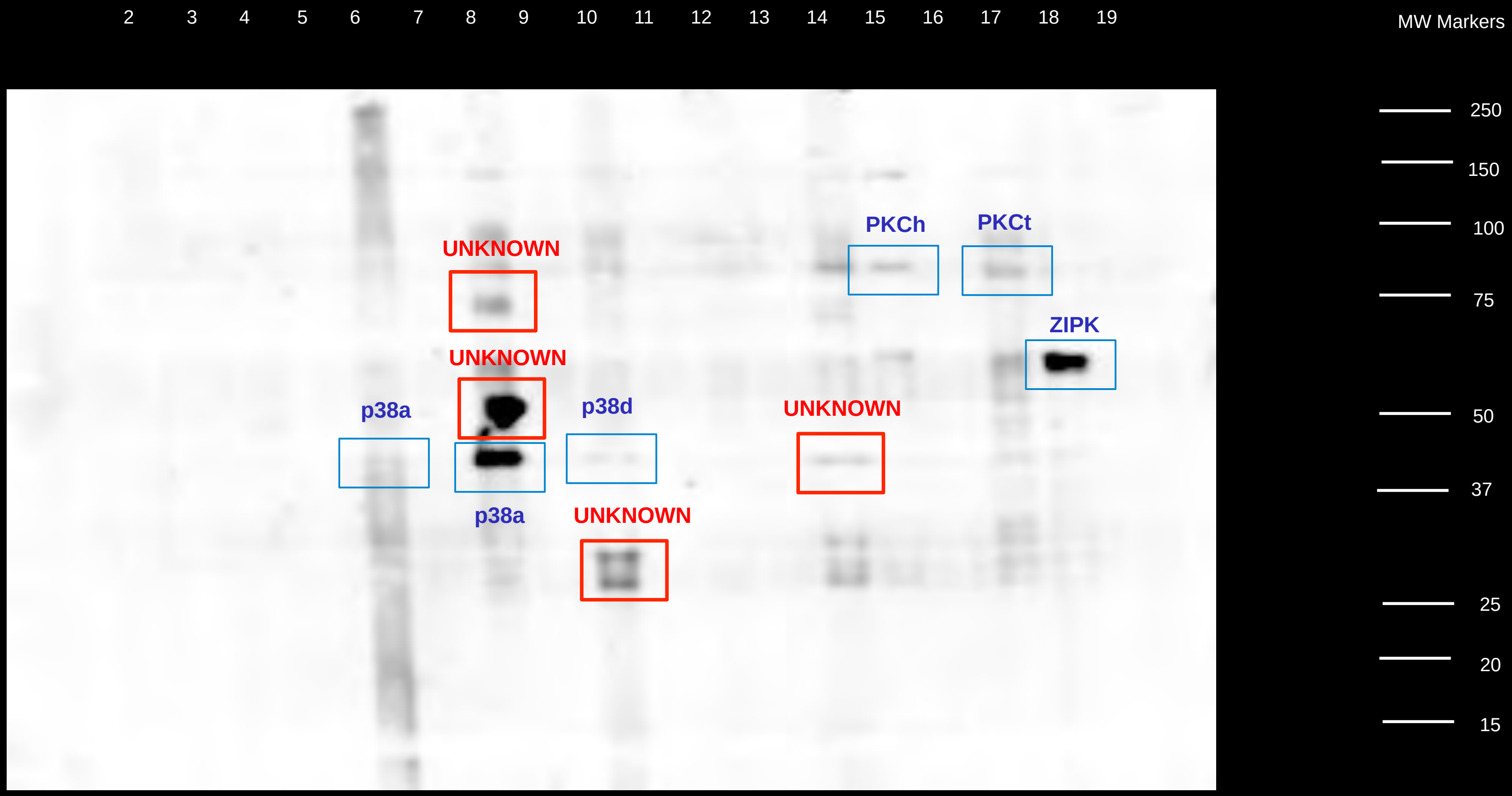
MW Markers
250
150
100
75
50
37
25
20
15
UNKNOWN
UNKNOWN
MEK1
UNKNOWN
UNKNOWN
MEK2
UNKNOWN
p38B
UNKNOWN

# Target Proteins from Pre-Screen #7

| No. | Lane | Ab Code | Target | Protein | Site | Strength |
|---|---|---|---|---|---|---|
| 1 | 2 | NK099-8 | MEK1 | Unknown | Pan-Specific | Strong x-reactive |
| 2 | 2 | NK099-8 | MEK1 | Unknown | Pan-Specific | Strong x-reactive |
| 3 | 2 | NK099-8 | MEK1 | MEK1 (MAP2K1) | Pan-Specific | Strong target |
| 4 | 2 | NK099-8 | MEK1 | Unknown | Pan-Specific | Strong x-reactive |
| 5 | 5 | NK155-5 | Raf1 | Unknown | Pan-specific | Weak x-reactive |
| 6 | 12 | NK100-6 | MEK2 | MEK2 (MAP2K2) | Pan-Specific | Strong Target |
| 7 | 15 | NK172-2 | Src | Unknown | Pan-specific | Strong x-reactive |
| 8 | 16 | NK106-5 | MKK7 | Unknown | Pan-specific | Strong x-reactive (dirty) |
| 9 | 17 | NK248-1 | p38b MAPK | p38b MAPK | Pan-specific | Strong target |

# Pre-Screen #8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MW Markers
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75
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37
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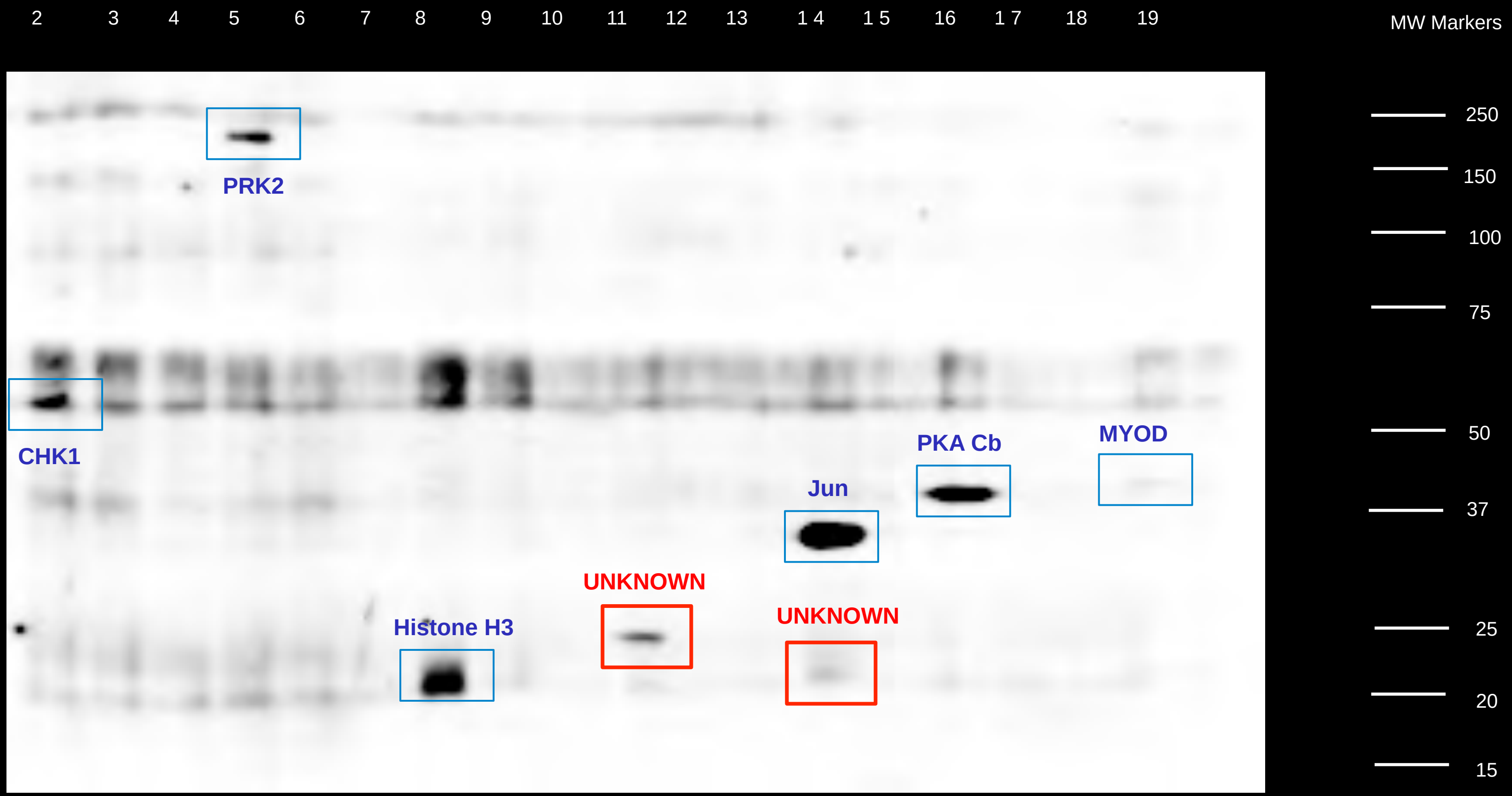
20
15
UNKNOWN
PKCh
PKCt
ZIPK
UNKNOWN
p38a
p38d
UNKNOWN
p38a
UNKNOWN

# Target Proteins from Pre-Screen #8

| No. | Lane | Ab Code | Target | Protein | Site | Strength |
|---|---|---|---|---|---|---|
| 1 | 6 | PK739 | p38a MAPK | p38a MAPK | T180+Y182 | Weak target (dirty) |
| 2 | 8 | NK120-3 | p38a MAPK | Unknown | Pan-specific | Moderate x-reactive |
| 3 | 8 | NK120-3 | p38a MAPK | Unknown | Pan-specific | Strong x-reactive |
| 4 | 8 | NK120-3 | p38a MAPK | p38a MAPK | Pan-specific | Strong target |
| 5 | 10 | NK121-4 | p38d MAPK | p38d MAPK | Pan-specific | Weak target |
| 6 | 10 | NK121-4 | p38d MAPK | Unknown | Pan-specific | Moderate x-reactive |
| 7 | 14 | NN156 | PLC R(PLCg2) | Unknown | Pan-specific | Moderate x-reactive |
| 8 | 15 | NK218 | nPKC h | PKC h | Pan-specific | Moderate Target |
| 9 | 17 | PK089-1 | PKCt | PKCq | S676 | Moderate Target |
| 10 | 18 | NK188-1 | ZIPK | ZIPK | Pan-specific | Strong target |

# Pre-Screen #9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MW Markers
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75
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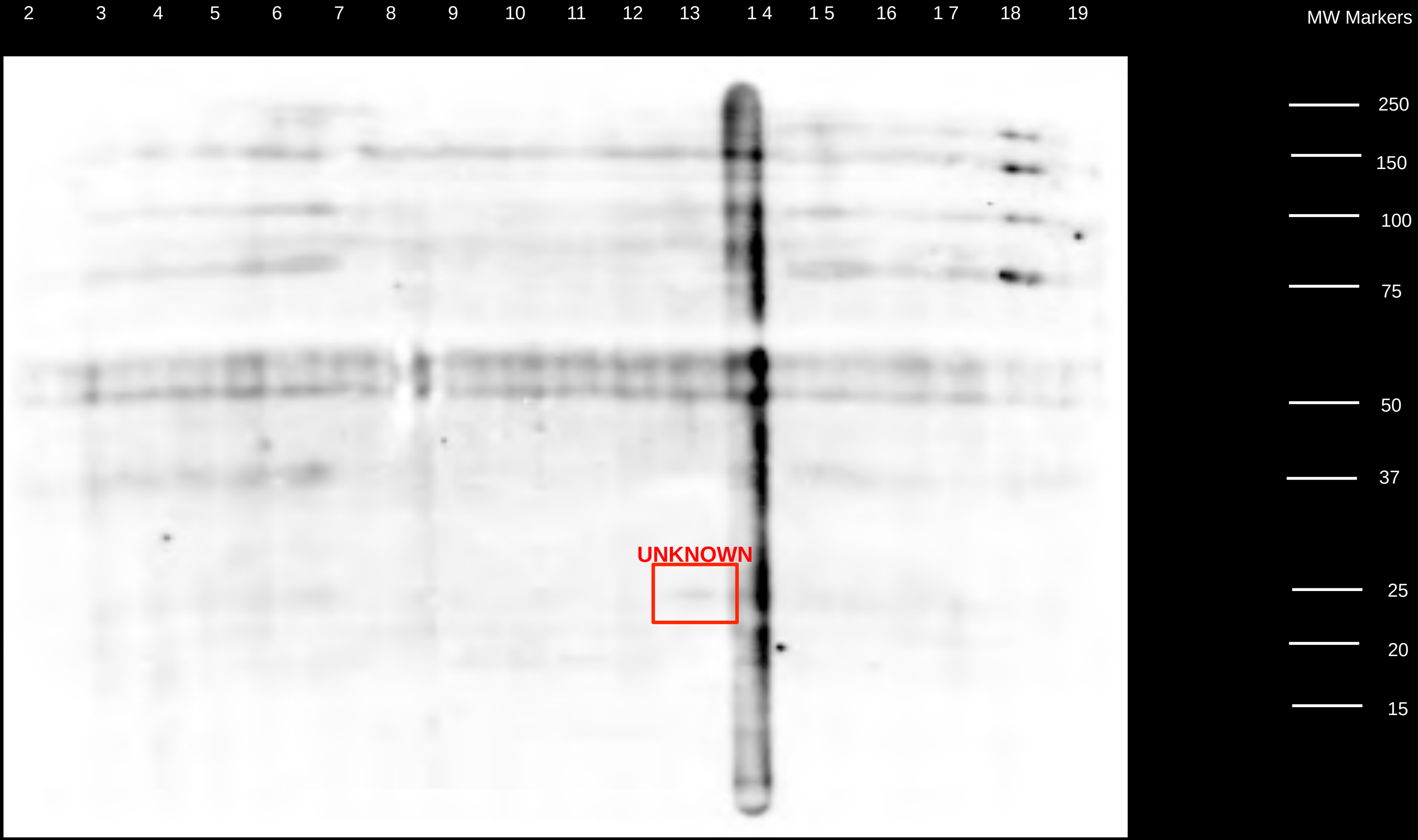
37
25
20
15
PRK2
CHK1
PKA Cb
MYOD
Jun
UNKNOWN
UNKNOWN
Histone H3

# Target Proteins from Pre-Screen #9

| No. | Lane | Ab Code | Target | Protein | Site | Strength |
|---|---|---|---|---|---|---|
| 1 | 2 | PK577 | Chk1 | Chk1 | S280 | Moderate target |
| 2 | 5 | NK149 | PRK2 | PRK2 (PKN2) | Pan-specific | Strong target |
| 3 | 8 | PN100 | Histone H3 | Unknown | T11 | Strong target |
| 4 | 11 | NN093 | Rb | Unknown | Pan-specific | Moderate x-reactive |
| 5 | 14 | PN163 | Jun | Jun | T91 | Strong target |
| 6 | 15 | NK187 | ZAP70 | Unknown | Pan-specific | Weak x-reactive |
| 7 | 16 | PK068 | PKA Cb | PKA Cb | S338 | Strong target |
| 8 | 19 | PN182 | MyoD | MyoD | S200 | Weak target |

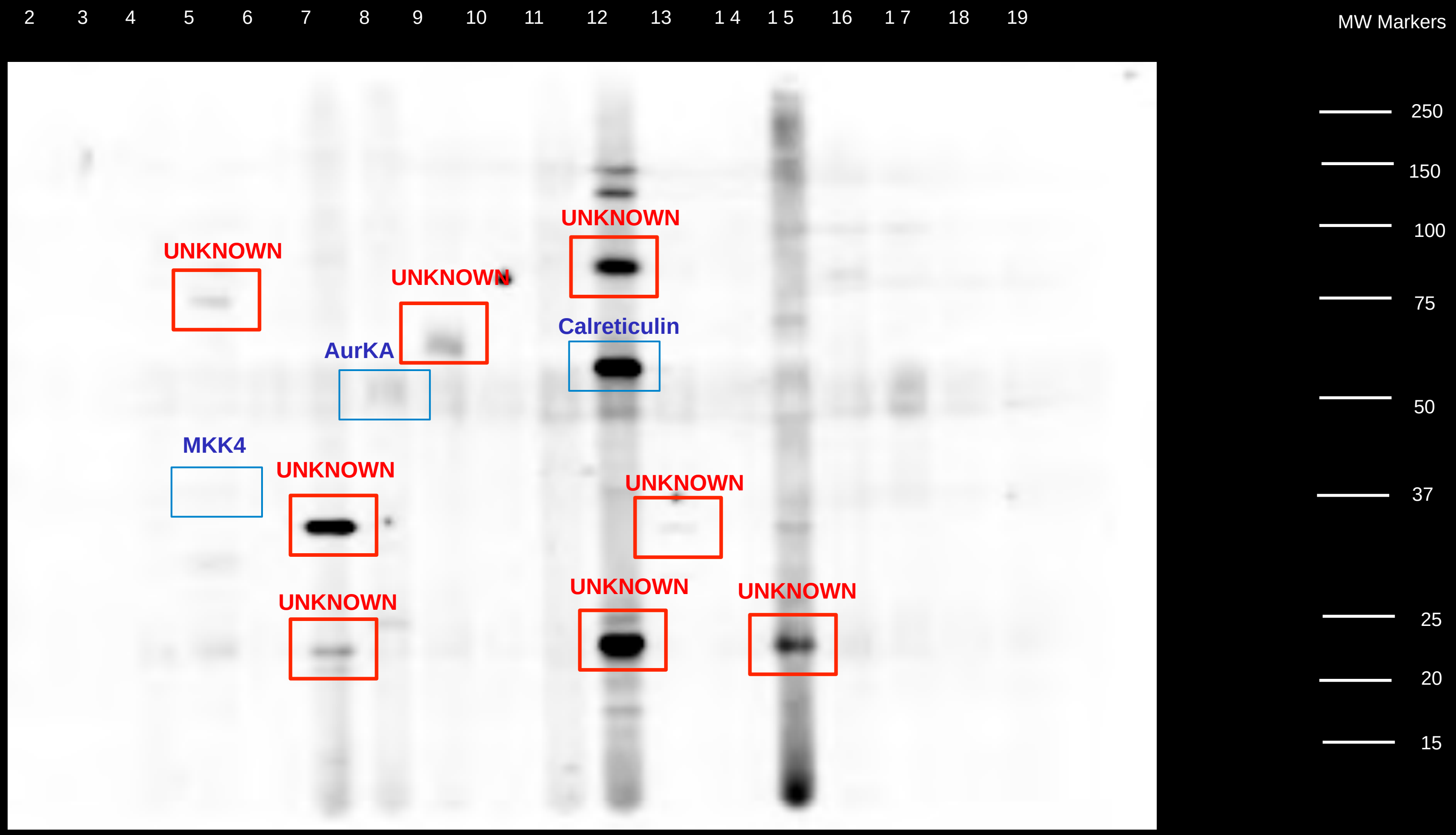
# Pre-Screen #10



# Target Proteins from Pre-Screen #10

| No. | Lane | Ab Code | Target | Protein | Site | Strength |
|---|---|---|---|---|---|---|
| 1 | 13 | NK157 | RIP2/RICK | Unknown | Pan-specific | Weak x-reactive |

# Pre-Screen #11



# Target Proteins from Pre-Screen #11

| No. | Lane | Ab Code | Target | Protein | Site | Strength |
|---|---|---|---|---|---|---|
| 1 | 5 | NK103-6 | MKK4 | MKK4 | Pan-specific | Weak target |
| 2 | 5 | NK103-6 | MKK4 | Unknown | Pan-specific | Weak x-reactive |
| 3 | 7 | NK054-4 | ErbB2 | Unknown | Pan-Specific | Strong x-reactive |
| 4 | 7 | NK054-4 | ErbB2 | Unknown | Pan-Specific | Weak x-reactive |
| 5 | 8 | NK008-3 | AurKA | AurKa | Pan-Specific | Weak target |
| 6 | 9 | NK244-2 | Ret | Unknown | Pan-specific | Strong x-reactive |
| 7 | 12 | NN137-1 | Calreticulin | Target | Pan-specific | Strong target (dirty) |
| 8 | 12 | NN137-1 | Calreticulin | Unknown | Pan-specific | Strong x-reactive (dirty) |
| 9 | 12 | NN137-1 | Calreticulin | Unknown | Pan-specific | Strong x-reactive (dirty) |
| 10 | 13 | PN071 | Rb | Unknown | T826 | Weak x-reactive |
| 11 | 15 | NK250-1 | SIK3 | Unknown | Pan-specific | Strong x-reactive (dirty) |

# Appendix I

# Quantitative Microarray

**Average Concentration**

| AG ID | Code | Study Time p | protein ug/ul | MIG, pg/ml | MMP-9, ng/ml | RBP-4, ng/ml | S100A8, ng/ml | S100A9, ng/ml | TGFBR3, pg/ml |
|---|---|---|---|---|---|---|---|---|---|
| 1 | ECPU-A | 56 | 10.70 | 515.2 | 1546.4 | 1118.2 | 2169.0 | 77.6 | 3459.2 |
| 2 | ECPU-B | 7 | 1.88 | 932.7 | 326.7 | 276.3 | 1579.1 | 351.7 | 816.1 |
| 3 | ECPU-B | 56 | 4.29 | 1191.1 | 840.1 | 757.7 | 848.8 | 67.8 | 770.7 |
| 4 | ECPU-C | 35 | 2.73 | 227.9 | 1528.3 | 362.7 | 4431.5 | 962.0 | 828.0 |
| 5 | ECPU-C | 48 | 1.16 | 211.5 | 2472.1 | 257.1 | 4795.8 | 1067.1 | 679.1 |
| 6 | ECPU-D | 21 | 0.26 | 133.5 | 506.4 | 85.9 | 1993.2 | 1069.5 | 802.3 |
| 7 | ECPU-D | 35 | 0.14 | 52.1 | 143.7 | 1.5 | 2460.7 | 1125.6 | 530.3 |
| 8 | ECPU-E | 28 | 0.30 | 48.0 | 324.1 | 31.6 | 3570.9 | 1147.2 | 391.7 |
| 9 | ECPU-F | 21 | 4.52 | 140.7 | 1100.5 | 147.3 | 1050.8 | 1026.2 | 1592.2 |
| 10 | ECPU-G | 21 | 3.93 | 113.4 | 1043.4 | 233.2 | 1314.6 | 1081.5 | 1938.1 |
| 11 | ECPU-H | 34 | 0.45 | 132.1 | 947.2 | 306.5 | 1076.9 | 1121.6 | 446.5 |
| 12 | ECPU-H | 48 | 1.70 | 155.3 | 1016.5 | 483.1 | 1188.8 | 1136.0 | 879.7 |
| 13 | ECPU-J | 14 | 1.66 | 204.0 | 3548.9 | 319.6 | 1390.0 | 1121.6 | 382.7 |
| 14 | ECPU-J | 21 | 1.46 | 78.1 | 507.1 | 381.6 | 1608.5 | 1010.2 | 1073.8 |
| 15 | ECPU-J | 28 | 1.97 | 68.4 | 752.6 | 167.9 | 1428.0 | 1043.8 | 1028.9 |
| 16 | ECPU-J | 49 | 3.91 | 78.1 | 2228.1 | 349.4 | 1161.1 | 931.6 | 929.8 |
| 17 | ECPU-L | 20 | 8.77 | 456.5 | 3963.6 | 2203.7 | 4655.6 | 269.7 | 3133.4 |
| 18 | ECPU-M | 21 | 0.82 | 133.5 | 260.1 | 411.8 | 1052.0 | 1133.6 | 222.8 |
| 19 | ECPU-M | 42 | 0.59 | 130.6 | 721.4 | 260.6 | 1315.5 | 1119.2 | 97.5 |
| 20 | ECPU-N | 14 | 0.63 | 1595.0 | 554316.3 | 5462.6 | 1342.7 | 74.5 | 2548.1 |
| 21 | ECPU-N | 21 | 18.83 | 1638.3 | 2341.9 | 8814.1 | 1092.9 | 41.7 | 10037.7 |
| 22 | ECPU-N | 42 | 7.07 | 1481.2 | 394980.0 | 1640.3 | 1678.4 | 78.5 | 571.8 |
| 23 | ECPU-N | 56 | 5.23 | 1313.4 | 327487.5 | 1113.2 | 2873.0 | 1033.4 | 492.8 |
| 24 | ECPU-O | 7 | 1.63 | 178.8 | 1652.1 | 2699.1 | 1520.1 | 1124.8 | 1139.5 |
| 25 | ECPU-O | 21 | 1.20 | 87.9 | 719.9 | 819.8 | 1543.2 | 1167.3 | 341.3 |
| 26 | ECPU-O | 28 | 1.92 | 117.7 | 2710.1 | 1049.6 | 1519.5 | 1079.9 | 625.2 |
| 27 | ECPU-O | 36 | 0.33 | 58.9 | 470.3 | 274.1 | 1265.4 | 1132.8 | 314.7 |
| 28 | ECPU-O | 43 | 2.32 | 153.8 | 4351.8 | 1543.7 | 1617.8 | 1107.2 | 684.9 |
| 29 | ECPU-P | 20 | 1.04 | 80.9 | 383.8 | 258.0 | 1220.2 | 1101.5 | 362.8 |
| 30 | ECPU-P | 27 | 4.21 | 218.9 | 222.6 | 2354.4 | 959.3 | 961.2 | 4242.9 |
| 31 | ECPU-P | 34 | 0.39 | 67.1 | 210.3 | 293.3 | 1630.0 | 1158.5 | 606.0 |
| 32 | ECPU-P | 41 | 1.08 | 102.0 | 395.6 | 309.4 | 2341.4 | 1134.4 | 472.4 |
| 33 | ECPU-P | 57 | 4.07 | 211.5 | 140.3 | 2422.5 | 1224.6 | 427.4 | 3876.0 |
| 34 | ECPU-Q | 6 | 0.77 | 177.3 | 500.4 | 125.0 | 1179.3 | 1097.5 | 241.6 |
| 35 | ECPU-Q | 20 | 0.27 | 19.3 | 77.2 | 119.6 | 945.3 | 1019.0 | 265.7 |
| 36 | ECPU-Q | 34 | 0.25 | 9.5 | 78.2 | 59.5 | 979.3 | 1094.3 | 100.6 |
| 37 | ECPU-Q | 41 | 0.21 | 9.5 | 11.7 | 70.0 | 76.3 | 109.6 | 124.1 |
| 38 | ECPU-R | 15 | 0.98 | 152.4 | 333.7 | 549.7 | 1164.8 | 1111.2 | 712.1 |
| 39 | ECPU-R | 20 | 0.73 | 139.3 | 324.1 | 351.3 | 1277.5 | 1116.0 | 222.8 |
| 40 | ECPU-R | 34 | 3.77 | 277.9 | 935.3 | 1735.7 | 1609.8 | 1006.1 | 3638.1 |
| 41 | ECPU-R | 57 | 1.64 | 78.1 | 983.9 | 382.7 | 1173.3 | 1122.4 | 446.5 |
| 42 | ECPU-S | 15 | 1.06 | 201.0 | 336.4 | 630.5 | 1082.7 | 1136.8 | 1172.5 |
| 43 | ECPU-S | 27 | 0.97 | 201.0 | 377.9 | 333.0 | 1017.9 | 1129.6 | 690.7 |
| 44 | ECPU-S | 57 | 1.02 | 150.9 | 333.5 | 342.4 | 1649.3 | 1135.2 | 571.8 |
| 45 | ECPU-T | 9 | 1.82 | 181.7 | 308.7 | 1005.4 | 879.5 | 1104.8 | 1760.8 |
| 46 | ECPU-T | 21 | 0.37 | 32.2 | 87.9 | 232.1 | 726.0 | 1080.7 | 274.4 |
| 47 | ECPU-T | 42 | 0.49 | 63.0 | 228.3 | 231.8 | 1407.4 | 1095.1 | 182.5 |
| 48 | ECPU-U | 55 | 5.38 | 2440.2 | 843.3 | 1688.8 | 2666.9 | 303.7 | 4206.2 |
| 49 | ECPU-A | 7 | 6.88 | 2274.9 | 3537.4 | 1553.3 | 1542.6 | 1048.6 | 650.1 |
| 50 | ECPU-A | 14 | 12.63 | 3325.8 | 166280.1 | 2514.1 | 1104.9 | 144.0 | 1447.0 |
| 51 | ECPU-A | 21 | 33.54 | 803.7 | 3152.1 | 2430.1 | 1103.2 | 85.5 | 4446.4 |
| 52 | ECPU-A | 49 | 5.55 | 524.8 | 9186.8 | 943.9 | 1071.5 | 68.1 | 1301.5 |
| 53 | ECPU-B | 14 | 2.22 | 1445.1 | 421.0 | 499.2 | 1566.3 | 193.5 | 498.4 |
| 54 | ECPU-B | 35 | 2.76 | 398.3 | 356.8 | 526.2 | 884.1 | 1039.8 | 1330.9 |
| 55 | ECPU-B | 42 | 26.49 | 2490.2 | 534.9 | 7246.5 | 143.8 | 7.8 | 7947.9 |
| 56 | ECPU-B | 49 | 26.32 | 1971.4 | 157.6 | 6406.8 | 44.0 | 2.8 | 7273.2 |
| 57 | ECPU-C | 28 | 5.41 | 293.1 | 1499.4 | 296.2 | 519.4 | 351.2 | 790.4 |
| 58 | ECPU-C | 42 | 3.95 | 244.5 | 4003.9 | 760.7 | 997.9 | 119.2 | 943.9 |
| 59 | ECPU-C | 55 | 2.04 | 210.0 | 2128.4 | 429.5 | 904.8 | 1033.4 | 562.3 |

**Average Concentration**

| AG ID | Code | Study Time p | protein ug/ul | MIG, pg/ml | MMP-9, ng/ml | RBP-4, ng/ml | S100A8, ng/ml | S100A9, ng/ml | TGFBR3, pg/ml |
|---|---|---|---|---|---|---|---|---|---|
| 60 | ECPU-D | 8 | 4.62 | 648.6 | 11896.6 | 256.4 | 981.0 | 152.5 | 71.7 |
| 61 | ECPU-D | 28 | 0.32 | 183.2 | 174.3 | 20.7 | 1374.4 | 1117.6 | 154.6 |
| 62 | ECPU-D | 41 | 0.49 | 49.4 | 290.2 | 1.9 | 1188.1 | 985.3 | 321.8 |
| 63 | ECPU-D | 50 | 0.12 | 44.0 | 54.6 | 34.6 | 1231.5 | 1079.9 | 496.6 |
| 64 | ECPU-E | 21 | 11.78 | 270.3 | 743.8 | 488.1 | 1079.8 | 62.5 | 3583.1 |
| 65 | ECPU-E | 35 | 0.31 | 53.4 | 207.9 | 15.7 | 1393.5 | 1051.0 | 162.8 |
| 66 | ECPU-E | 56 | 4.93 | 96.3 | 161.9 | 318.8 | 337.6 | 73.6 | 2316.8 |
| 67 | ECPU-F | 14 | 4.14 | 82.3 | 428.7 | 324.1 | 1112.6 | 1051.8 | 1949.1 |
| 68 | ECPU-F | 28 | 3.47 | 78.1 | 595.4 | 197.4 | 984.2 | 1059.1 | 1607.2 |
| 69 | ECPU-G | 14 | 2.50 | 74.0 | 1547.1 | 262.8 | 1343.2 | 1025.4 | 1502.3 |
| 70 | ECPU-G | 34 | 3.05 | 36.1 | 390.7 | 217.4 | 893.8 | 1052.6 | 1802.2 |
| 71 | ECPU-H | 13 | 2.67 | 462.8 | 5558.8 | 589.1 | 1171.4 | 1055.8 | 774.7 |
| 72 | ECPU-I | 34 | 1.13 | 72.6 | 433.5 | 259.0 | 951.7 | 1083.9 | 426.3 |
| 73 | ECPU-I | 48 | 9.07 | 392.1 | 447843.2 | 2618.3 | 1306.4 | 101.0 | 657.8 |
| 74 | ECPU-J | 7 | 2.36 | 109.1 | 10315.1 | 379.8 | 1452.4 | 990.9 | 195.9 |
| 75 | ECPU-J | 35 | 0.30 | 129.2 | 425.8 | 73.2 | 943.7 | 1107.2 | 130.4 |
| 76 | ECPU-J | 42 | 0.89 | 24.4 | 1154.3 | 83.0 | 988.1 | 1133.6 | 149.7 |
| 77 | ECPU-J | 56 | 8.53 | 68.4 | 1444.3 | 707.2 | 941.9 | 98.4 | 1568.6 |
| 78 | ECPU-K | 13 | 0.90 | 381.2 | 1039.7 | 232.1 | 1281.4 | 988.5 | 444.7 |
| 79 | ECPU-L | 7 | 3.15 | 532.7 | 1636.6 | 254.2 | 1751.8 | 1011.0 | 828.0 |
| 80 | ECPU-L | 28 | 5.47 | 407.7 | 4507.4 | 703.8 | 1594.0 | 431.5 | 1902.9 |
| 81 | ECPU-N | 7 | 12.14 | 8225.1 | 343037.1 | 3509.1 | 1165.9 | 95.9 | 4705.9 |
| 82 | ECPU-N | 29 | 5.32 | 790.5 | 12075.9 | 1500.6 | 1386.4 | 219.1 | 1440.6 |
| 83 | ECPU-N | 49 | 5.95 | 1083.2 | 345957.6 | 1433.1 | 1078.9 | 165.3 | 85.2 |
| 84 | ECPU-O | 15 | 0.30 | 50.7 | 412.0 | 431.9 | 1125.7 | 1026.2 | 337.8 |
| 85 | ECPU-O | 51 | 2.34 | 241.5 | 7535.7 | 1744.6 | 1140.1 | 1051.8 | 1145.6 |
| 86 | ECPU-O | 58 | 2.07 | 205.2 | 2023.5 | 2087.4 | 302.4 | 8472.2 | 476.3 |
| 87 | ECPU-Q | 15 | 0.82 | 77.7 | 138.7 | 406.1 | 296.1 | 2555.9 | 167.2 |
| 88 | ECPU-Q | 27 | 3.38 | 115.9 | 443.7 | 772.1 | 295.6 | 8051.5 | 2292.4 |
| 89 | ECPU-R | 6 | 0.24 | 31.7 | 102.7 | 1.9 | 274.3 | 8635.8 | 50.3 |
| 90 | ECPU-R | 27 | 2.34 | 117.1 | 422.2 | 534.9 | 304.0 | 3329.8 | 1661.9 |
| 91 | ECPU-S | 6 | 0.20 | 205.2 | 336.9 | 82.2 | 309.7 | 8472.2 | 57.0 |
| 92 | ECPU-S | 20 | 0.45 | 254.0 | 262.0 | 233.9 | 312.5 | 8834.4 | 160.1 |
| 93 | ECPU-S | 34 | 1.35 | 1339.6 | 945.6 | 284.6 | 297.3 | 8986.3 | 494.4 |
| 94 | ECPU-T | 28 | 2.07 | 550.2 | 175.0 | 1019.0 | 280.5 | 1671.5 | 1694.1 |
| 95 | ECPU-U | 7 | 4.46 | 750.6 | 887.6 | 877.5 | 285.2 | 672.5 | 1092.3 |
| 96 | ECPU-U | 14 | 21.07 | 2487.7 | 1451.0 | 8940.3 | 239.0 | 12.8 | 15495.3 |

**Replicate 1**

| AG ID | Code | Study Time p | protein ug/ul | MIG, pg/ml | MMP-9, ng/ml | RBP-4, ng/ml | S100A8, ng/ml | S100A9, ng/ml | TGFBR3, pg/ml |
|---|---|---|---|---|---|---|---|---|---|
| 1 | ECPU-A | 56 | 10.70 | 562.1 | 1541.8 | 1250.1 | 2012.8 | 75.3 | 3531.9 |
| 2 | ECPU-B | 7 | 1.88 | 996.2 | 365.4 | 302.4 | 1434.6 | 334.3 | 815.7 |
| 3 | ECPU-B | 56 | 4.29 | 1259.2 | 930.0 | 820.8 | 763.2 | 63.8 | 762.5 |
| 4 | ECPU-C | 35 | 2.73 | 240.5 | 1657.7 | 366.7 | 3977.0 | 903.4 | 817.5 |
| 5 | ECPU-C | 48 | 1.16 | 222.7 | 2627.2 | 259.4 | 5116.4 | 1191.2 | 669.2 |
| 6 | ECPU-D | 21 | 0.26 | 136.1 | 527.3 | 83.9 | 2058.3 | 1155.6 | 765.2 |
| 7 | ECPU-D | 35 | 0.14 | 49.8 | 146.6 | 1.4 | 2536.1 | 1213.8 | 504.8 |
| 8 | ECPU-E | 28 | 0.30 | 51.0 | 324.0 | 29.4 | 3673.0 | 1234.7 | 384.8 |
| 9 | ECPU-F | 21 | 4.52 | 148.0 | 1069.5 | 135.7 | 1069.8 | 1093.2 | 1548.2 |
| 10 | ECPU-G | 21 | 3.93 | 113.2 | 993.5 | 214.4 | 1335.7 | 1149.8 | 1880.7 |
| 11 | ECPU-H | 34 | 0.45 | 131.6 | 821.8 | 335.0 | 1045.0 | 1138.7 | 432.5 |
| 12 | ECPU-H | 48 | 1.70 | 150.1 | 864.1 | 512.2 | 1118.7 | 1118.6 | 826.2 |
| 13 | ECPU-J | 14 | 1.66 | 203.7 | 2955.9 | 350.2 | 1351.6 | 1141.1 | 371.4 |
| 14 | ECPU-J | 21 | 1.46 | 77.9 | 474.5 | 417.3 | 1560.9 | 1025.7 | 1040.0 |
| 15 | ECPU-J | 28 | 1.97 | 68.1 | 690.0 | 173.5 | 1383.0 | 1057.8 | 934.8 |
| 16 | ECPU-J | 49 | 3.91 | 91.6 | 2067.9 | 360.3 | 1099.8 | 876.1 | 843.0 |
| 17 | ECPU-L | 20 | 8.77 | 518.8 | 4454.7 | 2195.1 | 4400.9 | 253.1 | 2721.8 |
| 18 | ECPU-M | 21 | 0.82 | 151.4 | 286.4 | 409.3 | 922.9 | 1044.8 | 193.2 |
| 19 | ECPU-M | 42 | 0.59 | 147.8 | 741.4 | 250.5 | 1151.7 | 1029.4 | 82.6 |
| 20 | ECPU-N | 14 | 0.63 | 1729.6 | 558190.9 | 5240.5 | 1173.1 | 64.3 | 2156.0 |

**Average Concentration**

| AG ID | Code | Study Time p | protein ug/ul | MIG, pg/ml | MMP-9, ng/ml | RBP-4, ng/ml | S100A8, ng/ml | S100A9, ng/ml | TGFBR3, pg/ml |
|---|---|---|---|---|---|---|---|---|---|
| 21 | ECPU-N | 21 | 18.83 | 1772.9 | 2310.6 | 8438.8 | 1048.4 | 35.9 | 8476.1 |
| 22 | ECPU-N | 42 | 7.07 | 1599.8 | 358140.3 | 1441.7 | 1606.9 | 75.1 | 525.7 |
| 23 | ECPU-N | 56 | 5.23 | 1415.7 | 290944.6 | 976.5 | 2745.2 | 922.7 | 452.2 |
| 24 | ECPU-O | 7 | 1.63 | 202.8 | 1438.1 | 2814.5 | 1355.2 | 1002.3 | 1168.9 |
| 25 | ECPU-O | 21 | 1.20 | 91.5 | 745.0 | 853.1 | 1373.0 | 1010.0 | 349.5 |
| 26 | ECPU-O | 28 | 1.92 | 132.7 | 2747.8 | 1020.2 | 1276.2 | 932.5 | 597.2 |
| 27 | ECPU-O | 36 | 0.33 | 62.4 | 423.8 | 265.9 | 1060.7 | 976.3 | 287.1 |
| 28 | ECPU-O | 43 | 2.32 | 165.1 | 4313.4 | 1431.6 | 1536.9 | 1081.3 | 638.6 |
| 29 | ECPU-P | 20 | 1.04 | 79.2 | 372.7 | 238.8 | 1119.7 | 1073.7 | 337.7 |
| 30 | ECPU-P | 27 | 4.21 | 213.7 | 215.7 | 2372.5 | 1040.5 | 935.1 | 3861.6 |
| 31 | ECPU-P | 34 | 0.39 | 60.8 | 189.5 | 277.7 | 1820.8 | 1081.6 | 529.4 |
| 32 | ECPU-P | 41 | 1.08 | 85.3 | 355.8 | 292.4 | 2610.1 | 1057.1 | 411.8 |
| 33 | ECPU-P | 57 | 4.07 | 197.7 | 140.3 | 2569.4 | 1362.4 | 430.9 | 3658.9 |
| 34 | ECPU-Q | 6 | 0.77 | 158.3 | 499.3 | 123.7 | 1309.4 | 1056.8 | 227.6 |
| 35 | ECPU-Q | 20 | 0.27 | 19.1 | 87.0 | 118.1 | 981.3 | 1061.6 | 249.8 |
| 36 | ECPU-Q | 34 | 0.25 | 8.7 | 87.9 | 68.7 | 981.1 | 1137.8 | 87.2 |
| 37 | ECPU-Q | 41 | 0.21 | 9.9 | 13.2 | 80.6 | 76.3 | 113.7 | 107.3 |
| 38 | ECPU-R | 15 | 0.98 | 154.6 | 366.8 | 619.7 | 1303.1 | 1128.7 | 603.1 |
| 39 | ECPU-R | 20 | 0.73 | 159.7 | 352.7 | 392.0 | 1414.6 | 1122.1 | 186.8 |
| 40 | ECPU-R | 34 | 3.77 | 304.5 | 997.2 | 1933.0 | 1779.1 | 1009.6 | 3043.8 |
| 41 | ECPU-R | 57 | 1.64 | 85.5 | 1027.8 | 425.3 | 1294.1 | 1124.0 | 372.8 |
| 42 | ECPU-S | 15 | 1.06 | 212.8 | 344.3 | 678.4 | 1155.9 | 1102.0 | 1099.8 |
| 43 | ECPU-S | 27 | 0.97 | 212.4 | 379.0 | 357.6 | 1084.5 | 1092.8 | 646.6 |
| 44 | ECPU-S | 57 | 1.02 | 149.6 | 327.7 | 366.8 | 1753.8 | 1096.1 | 534.2 |
| 45 | ECPU-T | 9 | 1.82 | 178.3 | 297.2 | 1066.3 | 925.7 | 1055.8 | 1628.3 |
| 46 | ECPU-T | 21 | 0.37 | 31.5 | 83.0 | 245.7 | 762.6 | 1030.7 | 253.2 |
| 47 | ECPU-T | 42 | 0.49 | 61.5 | 242.1 | 244.8 | 1475.4 | 1042.4 | 168.1 |
| 48 | ECPU-U | 55 | 5.38 | 2312.3 | 876.5 | 1730.1 | 2566.5 | 280.3 | 3757.1 |
| 49 | ECPU-A | 7 | 6.88 | 2227.5 | 3602.5 | 1644.3 | 1534.0 | 1000.2 | 600.1 |
| 50 | ECPU-A | 14 | 12.63 | 3250.0 | 165916.8 | 2656.1 | 1096.5 | 137.1 | 1332.9 |
| 51 | ECPU-A | 21 | 33.54 | 783.8 | 3081.6 | 2562.3 | 1092.6 | 81.2 | 4087.6 |
| 52 | ECPU-A | 49 | 5.55 | 485.2 | 9092.1 | 993.2 | 1018.6 | 64.6 | 1194.1 |
| 53 | ECPU-B | 14 | 2.22 | 1333.4 | 370.4 | 524.2 | 1486.0 | 183.1 | 456.4 |
| 54 | ECPU-B | 35 | 2.76 | 355.8 | 307.5 | 551.5 | 837.1 | 981.9 | 1216.1 |
| 55 | ECPU-B | 42 | 26.49 | 2219.7 | 451.7 | 7579.5 | 135.9 | 7.4 | 7248.2 |
| 56 | ECPU-B | 49 | 26.32 | 1982.1 | 136.8 | 6687.8 | 41.5 | 2.6 | 6619.6 |
| 57 | ECPU-C | 28 | 5.41 | 294.1 | 1275.3 | 308.6 | 488.8 | 329.6 | 718.0 |
| 58 | ECPU-C | 42 | 3.95 | 232.6 | 3336.8 | 790.9 | 937.3 | 111.6 | 855.6 |
| 59 | ECPU-C | 55 | 2.04 | 199.3 | 1947.9 | 445.7 | 848.2 | 966.2 | 508.7 |
| 60 | ECPU-D | 8 | 4.62 | 614.5 | 10667.8 | 265.5 | 917.7 | 142.3 | 64.7 |
| 61 | ECPU-D | 28 | 0.32 | 173.3 | 153.2 | 21.4 | 1283.2 | 1040.7 | 139.3 |
| 62 | ECPU-D | 41 | 0.49 | 51.3 | 249.8 | 1.9 | 1040.4 | 915.7 | 289.4 |
| 63 | ECPU-D | 50 | 0.12 | 43.8 | 46.0 | 35.7 | 1076.4 | 1001.6 | 445.7 |
| 64 | ECPU-E | 21 | 11.78 | 268.3 | 690.0 | 501.4 | 941.9 | 57.9 | 3312.1 |
| 65 | ECPU-E | 35 | 0.31 | 52.9 | 189.0 | 16.1 | 1213.1 | 970.9 | 150.2 |
| 66 | ECPU-E | 56 | 4.93 | 95.3 | 146.8 | 326.2 | 293.3 | 67.9 | 2133.0 |
| 67 | ECPU-F | 14 | 4.14 | 78.8 | 377.1 | 308.4 | 1061.4 | 967.8 | 1790.9 |
| 68 | ECPU-F | 28 | 3.47 | 74.6 | 522.7 | 187.4 | 937.0 | 972.5 | 1473.8 |
| 69 | ECPU-G | 14 | 2.50 | 70.5 | 1355.7 | 249.1 | 1276.1 | 939.7 | 1374.9 |
| 70 | ECPU-G | 34 | 3.05 | 37.9 | 341.7 | 205.6 | 847.5 | 962.7 | 1813.2 |
| 71 | ECPU-H | 13 | 2.67 | 485.5 | 5459.1 | 556.0 | 1108.5 | 963.7 | 777.9 |
| 72 | ECPU-I | 34 | 1.13 | 76.0 | 424.9 | 244.0 | 898.8 | 987.4 | 427.2 |
| 73 | ECPU-I | 48 | 9.07 | 393.3 | 438052.1 | 2461.2 | 1231.3 | 91.8 | 657.9 |
| 74 | ECPU-J | 7 | 2.36 | 109.2 | 10069.4 | 356.3 | 1366.1 | 899.0 | 184.1 |
| 75 | ECPU-J | 35 | 0.30 | 129.0 | 414.8 | 68.6 | 885.9 | 1002.5 | 118.9 |
| 76 | ECPU-J | 42 | 0.89 | 23.6 | 1122.3 | 77.6 | 925.7 | 1024.4 | 144.7 |
| 77 | ECPU-J | 56 | 8.53 | 66.2 | 1401.5 | 659.4 | 880.7 | 88.8 | 1512.5 |
| 78 | ECPU-K | 13 | 0.90 | 356.8 | 1006.8 | 216.0 | 1195.7 | 889.7 | 427.9 |
| 79 | ECPU-L | 7 | 3.15 | 468.6 | 1581.7 | 236.1 | 1631.4 | 908.1 | 795.2 |

**Average Concentration**

| AG ID | Code | Study Time p | protein ug/ul | MIG, pg/ml | MMP-9, ng/ml | RBP-4, ng/ml | S100A8, ng/ml | S100A9, ng/ml | TGFBR3, pg/ml |
|---|---|---|---|---|---|---|---|---|---|
| 80 | ECPU-L | 28 | 5.47 | 391.9 | 4648.0 | 758.2 | 1736.2 | 451.0 | 2133.1 |
| 81 | ECPU-N | 7 | 12.14 | 8403.2 | 377192.8 | 3864.2 | 1225.4 | 98.1 | 5164.4 |
| 82 | ECPU-N | 29 | 5.32 | 831.9 | 13676.6 | 1702.1 | 1500.9 | 221.9 | 1564.9 |
| 83 | ECPU-N | 49 | 5.95 | 1174.0 | 374576.3 | 1645.2 | 1203.0 | 167.1 | 92.4 |
| 84 | ECPU-O | 15 | 0.30 | 56.6 | 459.5 | 490.9 | 1211.3 | 1129.3 | 365.4 |
| 85 | ECPU-O | 51 | 2.34 | 277.7 | 8034.1 | 1962.9 | 1183.9 | 1120.5 | 1199.8 |
| 86 | ECPU-O | 58 | 2.07 | 233.6 | 2135.8 | 2325.1 | 303.0 | 9007.2 | 497.8 |
| 87 | ECPU-Q | 15 | 0.82 | 87.6 | 144.9 | 447.8 | 286.3 | 2711.8 | 180.4 |
| 88 | ECPU-Q | 27 | 3.38 | 129.3 | 458.9 | 842.9 | 275.8 | 8455.7 | 2447.4 |
| 89 | ECPU-R | 6 | 0.24 | 35.0 | 105.2 | 2.1 | 247.0 | 9051.2 | 53.6 |
| 90 | ECPU-R | 27 | 2.34 | 128.1 | 428.0 | 572.4 | 272.8 | 3332.9 | 1767.1 |
| 91 | ECPU-S | 6 | 0.20 | 222.2 | 338.2 | 87.1 | 268.2 | 8224.0 | 58.7 |
| 92 | ECPU-S | 20 | 0.45 | 272.2 | 260.4 | 245.3 | 282.3 | 8861.4 | 170.6 |
| 93 | ECPU-S | 34 | 1.35 | 1374.0 | 930.2 | 295.5 | 259.1 | 8995.8 | 525.7 |
| 94 | ECPU-T | 28 | 2.07 | 558.7 | 170.4 | 1047.4 | 242.1 | 1669.9 | 1689.9 |
| 95 | ECPU-U | 7 | 4.46 | 754.5 | 855.8 | 892.9 | 271.2 | 623.5 | 1087.4 |
| 96 | ECPU-U | 14 | 21.07 | 2475.7 | 1385.0 | 9006.3 | 225.0 | 11.9 | 14777.9 |

**Replicate 2**

| AG ID | Code | Study Time p | protein ug/ul | MIG, pg/ml | MMP-9, ng/ml | RBP-4, ng/ml | S100A8, ng/ml | S100A9, ng/ml | TGFBR3, pg/ml |
|---|---|---|---|---|---|---|---|---|---|
| 1 | ECPU-A | 56 | 10.70 | 468.3 | 1551.1 | 986.2 | 2325.2 | 79.8 | 3386.6 |
| 2 | ECPU-B | 7 | 1.88 | 869.2 | 288.0 | 250.2 | 1723.6 | 369.1 | 816.5 |
| 3 | ECPU-B | 56 | 4.29 | 1123.0 | 750.2 | 694.5 | 934.3 | 71.9 | 779.0 |
| 4 | ECPU-C | 35 | 2.73 | 215.4 | 1398.9 | 358.7 | 4886.1 | 1020.7 | 838.4 |
| 5 | ECPU-C | 48 | 1.16 | 200.3 | 2317.0 | 254.8 | 4475.1 | 943.0 | 689.0 |
| 6 | ECPU-D | 21 | 0.26 | 130.9 | 485.5 | 87.9 | 1928.0 | 983.3 | 839.3 |
| 7 | ECPU-D | 35 | 0.14 | 54.4 | 140.8 | 1.6 | 2385.3 | 1037.4 | 555.7 |
| 8 | ECPU-E | 28 | 0.30 | 45.1 | 324.2 | 33.8 | 3468.9 | 1059.8 | 398.6 |
| 9 | ECPU-F | 21 | 4.52 | 133.5 | 1131.4 | 158.9 | 1031.8 | 959.2 | 1636.2 |
| 10 | ECPU-G | 21 | 3.93 | 113.5 | 1093.2 | 251.9 | 1293.5 | 1013.2 | 1995.4 |
| 11 | ECPU-H | 34 | 0.45 | 132.5 | 1072.6 | 277.9 | 1108.9 | 1104.4 | 460.6 |
| 12 | ECPU-H | 48 | 1.70 | 160.5 | 1168.9 | 454.0 | 1258.9 | 1153.5 | 933.2 |
| 13 | ECPU-J | 14 | 1.66 | 204.3 | 4142.0 | 289.1 | 1428.3 | 1102.0 | 393.9 |
| 14 | ECPU-J | 21 | 1.46 | 78.4 | 539.7 | 346.0 | 1656.0 | 994.6 | 1107.5 |
| 15 | ECPU-J | 28 | 1.97 | 68.8 | 815.2 | 162.3 | 1473.0 | 1029.9 | 1123.0 |
| 16 | ECPU-J | 49 | 3.91 | 64.7 | 2388.4 | 338.5 | 1222.4 | 987.1 | 1016.5 |
| 17 | ECPU-L | 20 | 8.77 | 394.2 | 3472.5 | 2212.4 | 4910.4 | 286.3 | 3545.1 |
| 18 | ECPU-M | 21 | 0.82 | 115.6 | 233.7 | 414.2 | 1181.2 | 1222.5 | 252.5 |
| 19 | ECPU-M | 42 | 0.59 | 113.4 | 701.4 | 270.7 | 1479.3 | 1209.0 | 112.3 |
| 20 | ECPU-N | 14 | 0.63 | 1460.5 | 550441.7 | 5684.6 | 1512.2 | 84.7 | 2940.2 |
| 21 | ECPU-N | 21 | 18.83 | 1503.6 | 2373.1 | 9189.3 | 1137.3 | 47.5 | 11599.2 |
| 22 | ECPU-N | 42 | 7.07 | 1362.7 | 431819.8 | 1838.9 | 1749.8 | 81.9 | 617.9 |
| 23 | ECPU-N | 56 | 5.23 | 1211.2 | 364030.4 | 1250.0 | 3000.8 | 1144.1 | 533.5 |
| 24 | ECPU-O | 7 | 1.63 | 154.8 | 1866.1 | 2583.7 | 1685.1 | 1247.3 | 1110.0 |
| 25 | ECPU-O | 21 | 1.20 | 84.3 | 694.8 | 786.4 | 1713.4 | 1324.6 | 333.2 |
| 26 | ECPU-O | 28 | 1.92 | 102.7 | 2672.4 | 1078.9 | 1762.8 | 1227.3 | 653.2 |
| 27 | ECPU-O | 36 | 0.33 | 55.4 | 516.8 | 282.4 | 1470.1 | 1289.4 | 342.3 |
| 28 | ECPU-O | 43 | 2.32 | 142.5 | 4390.1 | 1655.8 | 1698.8 | 1133.0 | 731.1 |
| 29 | ECPU-P | 20 | 1.04 | 82.7 | 394.9 | 277.3 | 1320.7 | 1129.4 | 388.0 |
| 30 | ECPU-P | 27 | 4.21 | 224.1 | 229.4 | 2336.2 | 878.0 | 987.4 | 4624.1 |
| 31 | ECPU-P | 34 | 0.39 | 73.4 | 231.1 | 308.8 | 1439.3 | 1235.3 | 682.7 |
| 32 | ECPU-P | 41 | 1.08 | 118.7 | 435.4 | 326.3 | 2072.7 | 1211.8 | 533.0 |
| 33 | ECPU-P | 57 | 4.07 | 225.2 | 140.3 | 2275.5 | 1086.8 | 423.9 | 4093.1 |
| 34 | ECPU-Q | 6 | 0.77 | 196.3 | 501.4 | 126.2 | 1049.2 | 1138.3 | 255.6 |
| 35 | ECPU-Q | 20 | 0.27 | 19.5 | 67.3 | 121.0 | 909.2 | 976.4 | 281.6 |
| 36 | ECPU-Q | 34 | 0.25 | 10.3 | 68.4 | 50.3 | 977.5 | 1050.9 | 114.0 |
| 37 | ECPU-Q | 41 | 0.21 | 9.2 | 10.3 | 59.4 | 76.3 | 105.5 | 140.8 |
| 38 | ECPU-R | 15 | 0.98 | 150.1 | 300.5 | 479.6 | 1026.4 | 1093.6 | 821.1 |
| 39 | ECPU-R | 20 | 0.73 | 118.9 | 295.5 | 310.6 | 1140.3 | 1109.9 | 258.8 |
| 40 | ECPU-R | 34 | 3.77 | 251.2 | 873.4 | 1538.5 | 1440.6 | 1002.7 | 4232.4 |

**Average Concentration**

| AG ID | Code | Study Time p | protein ug/ul | MIG, pg/ml | MMP-9, ng/ml | RBP-4, ng/ml | S100A8, ng/ml | S100A9, ng/ml | TGFBR3, pg/ml |
|---|---|---|---|---|---|---|---|---|---|
| 41 | ECPU-R | 57 | 1.64 | 70.8 | 940.0 | 340.0 | 1052.5 | 1120.8 | 520.2 |
| 42 | ECPU-S | 15 | 1.06 | 189.2 | 328.4 | 582.7 | 1009.5 | 1171.6 | 1245.2 |
| 43 | ECPU-S | 27 | 0.97 | 189.6 | 376.9 | 308.5 | 951.2 | 1166.4 | 734.8 |
| 44 | ECPU-S | 57 | 1.02 | 152.3 | 339.3 | 317.9 | 1544.8 | 1174.4 | 609.4 |
| 45 | ECPU-T | 9 | 1.82 | 185.2 | 320.2 | 944.5 | 833.4 | 1153.7 | 1893.3 |
| 46 | ECPU-T | 21 | 0.37 | 32.8 | 92.9 | 218.6 | 689.4 | 1130.7 | 295.5 |
| 47 | ECPU-T | 42 | 0.49 | 64.4 | 214.4 | 218.7 | 1339.5 | 1147.9 | 197.0 |
| 48 | ECPU-U | 55 | 5.38 | 2568.1 | 810.1 | 1647.5 | 2767.4 | 327.0 | 4655.4 |
| 49 | ECPU-A | 7 | 6.88 | 2322.3 | 3472.4 | 1462.3 | 1551.2 | 1097.0 | 700.2 |
| 50 | ECPU-A | 14 | 12.63 | 3401.6 | 166643.3 | 2372.1 | 1113.2 | 151.0 | 1561.1 |
| 51 | ECPU-A | 21 | 33.54 | 823.6 | 3222.5 | 2298.0 | 1113.7 | 89.7 | 4805.3 |
| 52 | ECPU-A | 49 | 5.55 | 564.4 | 9281.6 | 894.6 | 1124.4 | 71.6 | 1409.0 |
| 53 | ECPU-B | 14 | 2.22 | 1556.9 | 471.7 | 474.1 | 1646.6 | 203.9 | 540.5 |
| 54 | ECPU-B | 35 | 2.76 | 440.9 | 406.1 | 500.9 | 931.1 | 1097.7 | 1445.6 |
| 55 | ECPU-B | 42 | 26.49 | 2760.6 | 618.1 | 6913.4 | 151.7 | 8.3 | 8647.7 |
| 56 | ECPU-B | 49 | 26.32 | 1960.6 | 178.4 | 6125.7 | 46.5 | 3.0 | 7926.9 |
| 57 | ECPU-C | 28 | 5.41 | 292.1 | 1723.5 | 283.8 | 549.9 | 372.7 | 862.9 |
| 58 | ECPU-C | 42 | 3.95 | 256.4 | 4671.1 | 730.5 | 1058.5 | 126.7 | 1032.1 |
| 59 | ECPU-C | 55 | 2.04 | 220.6 | 2308.9 | 413.4 | 961.5 | 1100.6 | 615.9 |
| 60 | ECPU-D | 8 | 4.62 | 682.6 | 13125.5 | 247.3 | 1044.2 | 162.7 | 78.7 |
| 61 | ECPU-D | 28 | 0.32 | 193.2 | 195.5 | 20.0 | 1465.6 | 1194.5 | 169.9 |
| 62 | ECPU-D | 41 | 0.49 | 47.5 | 330.6 | 1.8 | 1335.7 | 1054.9 | 354.2 |
| 63 | ECPU-D | 50 | 0.12 | 44.3 | 63.1 | 33.6 | 1386.7 | 1158.2 | 547.5 |
| 64 | ECPU-E | 21 | 11.78 | 272.2 | 797.5 | 474.8 | 1217.8 | 67.2 | 3854.1 |
| 65 | ECPU-E | 35 | 0.31 | 53.9 | 226.8 | 15.3 | 1574.0 | 1131.2 | 175.4 |
| 66 | ECPU-E | 56 | 4.93 | 97.4 | 176.9 | 311.4 | 381.9 | 79.3 | 2500.6 |
| 67 | ECPU-F | 14 | 4.14 | 85.8 | 480.2 | 339.9 | 1163.9 | 1135.9 | 2107.3 |
| 68 | ECPU-F | 28 | 3.47 | 81.6 | 668.0 | 207.3 | 1031.5 | 1145.6 | 1740.6 |
| 69 | ECPU-G | 14 | 2.50 | 77.4 | 1738.6 | 276.6 | 1410.2 | 1111.1 | 1629.8 |
| 70 | ECPU-G | 34 | 3.05 | 34.2 | 439.7 | 229.2 | 940.1 | 1142.6 | 1791.1 |
| 71 | ECPU-H | 13 | 2.67 | 440.1 | 5658.5 | 622.2 | 1234.4 | 1148.0 | 771.5 |
| 72 | ECPU-I | 34 | 1.13 | 69.2 | 442.1 | 274.1 | 1004.6 | 1180.5 | 425.4 |
| 73 | ECPU-I | 48 | 9.07 | 390.9 | 457634.3 | 2775.4 | 1381.5 | 110.2 | 657.8 |
| 74 | ECPU-J | 7 | 2.36 | 109.0 | 10560.8 | 403.4 | 1538.6 | 1082.8 | 207.6 |
| 75 | ECPU-J | 35 | 0.30 | 129.3 | 436.8 | 77.9 | 1001.5 | 1211.8 | 142.0 |
| 76 | ECPU-J | 42 | 0.89 | 25.2 | 1186.3 | 88.5 | 1050.5 | 1242.8 | 154.8 |
| 77 | ECPU-J | 56 | 8.53 | 70.7 | 1487.2 | 754.9 | 1003.2 | 108.1 | 1624.6 |
| 78 | ECPU-K | 13 | 0.90 | 405.6 | 1072.6 | 248.2 | 1367.1 | 1087.3 | 461.4 |
| 79 | ECPU-L | 7 | 3.15 | 596.9 | 1691.5 | 272.3 | 1872.2 | 1113.8 | 860.8 |
| 80 | ECPU-L | 28 | 5.47 | 423.6 | 4366.7 | 649.5 | 1451.8 | 412.0 | 1672.6 |
| 81 | ECPU-N | 7 | 12.14 | 8047.1 | 308881.4 | 3153.9 | 1106.3 | 93.6 | 4247.4 |
| 82 | ECPU-N | 29 | 5.32 | 749.2 | 10475.1 | 1299.1 | 1271.9 | 216.3 | 1316.4 |
| 83 | ECPU-N | 49 | 5.95 | 992.3 | 317338.9 | 1221.0 | 954.7 | 163.5 | 78.1 |
| 84 | ECPU-O | 15 | 0.30 | 44.8 | 364.5 | 373.0 | 1040.1 | 923.0 | 310.1 |
| 85 | ECPU-O | 51 | 2.34 | 205.3 | 7037.3 | 1526.3 | 1096.3 | 983.2 | 1091.5 |
| 86 | ECPU-O | 58 | 2.07 | 176.8 | 1911.3 | 1849.7 | 301.7 | 7937.1 | 454.8 |
| 87 | ECPU-Q | 15 | 0.82 | 67.8 | 132.5 | 364.4 | 305.8 | 2399.9 | 154.1 |
| 88 | ECPU-Q | 27 | 3.38 | 102.5 | 428.4 | 701.3 | 315.4 | 7647.3 | 2137.5 |
| 89 | ECPU-R | 6 | 0.24 | 28.4 | 100.2 | 1.8 | 301.6 | 8220.4 | 47.0 |
| 90 | ECPU-R | 27 | 2.34 | 106.2 | 416.3 | 497.5 | 335.2 | 3326.7 | 1556.6 |
| 91 | ECPU-S | 6 | 0.20 | 188.3 | 335.7 | 77.3 | 351.3 | 8720.3 | 55.2 |
| 92 | ECPU-S | 20 | 0.45 | 235.8 | 263.7 | 222.5 | 342.8 | 8807.4 | 149.6 |
| 93 | ECPU-S | 34 | 1.35 | 1305.2 | 960.9 | 273.8 | 335.4 | 8976.9 | 463.0 |
| 94 | ECPU-T | 28 | 2.07 | 541.7 | 179.5 | 990.6 | 318.9 | 1673.1 | 1698.3 |
| 95 | ECPU-U | 7 | 4.46 | 746.6 | 919.4 | 862.1 | 299.2 | 721.5 | 1097.2 |
| 96 | ECPU-U | 14 | 21.07 | 2499.6 | 1516.9 | 8874.4 | 252.9 | 13.8 | 16212.6 |

# Appendix J

# SRM Transition Parameters

| Prortein Name | Peptide Sequence (one peptide for each protein) | Precursor Ion | MS1 Re | Product Ion | MS2 Re | Dwell | Fragmentor | Collision Energy | Cell Accelerator V | Ion Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 321.700306 | Unit | 5 | 380 | 24.1 | 6 | y6 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 345.22448 | Unit | 5 | 380 | 24.1 | 4 | y3 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 356.697429 | Unit | 5 | 380 | 24.1 | 4 | b7 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 371.192511 | Unit | 5 | 380 | 24.1 | 4 | b4 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 390.229762 | Unit | 5 | 380 | 24.1 | 4 | y7 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 413.239461 | Unit | 5 | 380 | 24.1 | 4 | b8 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 442.277243 | Unit | 5 | 380 | 24.1 | 4 | y4 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 446.771794 | Unit | 5 | 380 | 24.1 | 4 | y8 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 481.768917 | Unit | 5 | 380 | 24.1 | 4 | b9 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 484.276575 | Unit | 5 | 380 | 24.1 | 4 | b5 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 496.306001 | Unit | 5 | 380 | 24.1 | 4 | y9 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 525.284931 | Unit | 5 | 380 | 24.1 | 4 | b10 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 555.361307 | Unit | 5 | 380 | 24.1 | 4 | y5 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 560.827297 | Unit | 5 | 380 | 24.1 | 4 | y10 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 581.826963 | Unit | 5 | 380 | 24.1 | 4 | b11 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 613.319168 | Unit | 5 | 380 | 24.1 | 4 | b6 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 617.369329 | Unit | 5 | 380 | 24.1 | 4 | y11 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 630.353345 | Unit | 5 | 380 | 24.1 | 4 | b12 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 642.393336 | Unit | 5 | 380 | 24.1 | 4 | y6 |
| 26S proteasome non-ATPase regulatory subunit 6 isoform X1 | GAEILEVLHSLPAVR | 802.461947 | Unit | 665.871902 | Unit | 5 | 380 | 24.1 | 4 | b13 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 204.134267 | Unit | 5 | 380 | 15 | 4 | y2 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 227.175404 | Unit | 5 | 380 | 15 | 4 | b2 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 231.121357 | Unit | 5 | 380 | 15 | 4 | y5 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 236.153614 | Unit | 5 | 380 | 15 | 4 | b4 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 264.664346 | Unit | 5 | 380 | 15 | 4 | b5 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 275.171381 | Unit | 5 | 380 | 15 | 4 | y3 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 287.663389 | Unit | 5 | 380 | 15 | 4 | y6 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 316.174121 | Unit | 5 | 380 | 15 | 4 | y7 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 321.206378 | Unit | 5 | 380 | 15 | 4 | b6 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 346.208495 | Unit | 5 | 380 | 15 | 4 | y4 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 358.215889 | Unit | 5 | 380 | 15 | 4 | b3 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 372.716153 | Unit | 5 | 380 | 15 | 4 | y8 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 378.71985 | Unit | 5 | 380 | 15 | 4 | b7 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 414.238407 | Unit | 5 | 380 | 15 | 4 | b8 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 438.236395 | Unit | 5 | 380 | 15 | 4 | y9 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 449.756964 | Unit | 5 | 380 | 15 | 4 | b9 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 461.235438 | Unit | 5 | 380 | 15 | 4 | y5 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 471.299953 | Unit | 5 | 380 | 15 | 4 | b4 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 478.267695 | Unit | 5 | 380 | 15 | 4 | b10 |
| ADP-ribosylation Factor (ARF-6) | ILMLGLDAAGK | 551.320459 | Unit | 494.778427 | Unit | 5 | 380 | 15 | 4 | y10 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 490.748378 | Unit | 5 | 380 | 41.1 | 4 | y10 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 491.738771 | Unit | 5 | 380 | 41.1 | 4 | b8 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 526.266935 | Unit | 5 | 380 | 41.1 | 4 | y11 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 536.253731 | Unit | 5 | 380 | 41.1 | 4 | b4 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 556.260068 | Unit | 5 | 380 | 41.1 | 4 | b9 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 563.303518 | Unit | 5 | 380 | 41.1 | 4 | y5 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 591.787178 | Unit | 5 | 380 | 41.1 | 4 | y12 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 607.290845 | Unit | 5 | 380 | 41.1 | 4 | b5 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 620.289356 | Unit | 5 | 380 | 41.1 | 4 | b10 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 650.335546 | Unit | 5 | 380 | 41.1 | 4 | y6 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 656.308474 | Unit | 5 | 380 | 41.1 | 4 | y13 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 684.810653 | Unit | 5 | 380 | 41.1 | 4 | b11 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 720.337763 | Unit | 5 | 380 | 41.1 | 4 | y14 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 720.374909 | Unit | 5 | 380 | 41.1 | 4 | b6 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 737.367575 | Unit | 5 | 380 | 41.1 | 4 | y7 |

| Prortein Name | Peptide Sequence (one peptide for each protein) | Precursor Ion | MS1 Re | Product Ion | MS2 Re | Dwell | Fragmentor | Collision Energy | Cell Accelerator V | Ion Name |
|---|---|---|---|---|---|---|---|---|---|---|
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 750.330895 | Unit | 5 | 380 | 41.1 | 4 | b12 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 784.85906 | Unit | 5 | 380 | 41.1 | 4 | y15 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 785.849452 | Unit | 5 | 380 | 41.1 | 4 | b13 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 808.404688 | Unit | 5 | 380 | 41.1 | 4 | y8 |
| Beta Actin | LC[IAA alkylation]YVALDFEQEMATAASSSSLEK | 1275.590554 | Unit | 835.401852 | Unit | 5 | 380 | 41.1 | 4 | b7 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 279.131922 | Unit | 5 | 380 | 17.9 | 4 | b5 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 299.171381 | Unit | 5 | 380 | 17.9 | 4 | b3 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 304.163556 | Unit | 5 | 380 | 17.9 | 4 | y5 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 322.187366 | Unit | 5 | 380 | 17.9 | 4 | y2 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 327.658304 | Unit | 5 | 380 | 17.9 | 4 | b6 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 352.689938 | Unit | 5 | 380 | 17.9 | 4 | y6 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 377.192511 | Unit | 5 | 380 | 17.9 | 4 | b7 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 379.208829 | Unit | 5 | 380 | 17.9 | 4 | y3 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 417.211235 | Unit | 5 | 380 | 17.9 | 4 | y7 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 428.213974 | Unit | 5 | 380 | 17.9 | 4 | b4 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 441.713807 | Unit | 5 | 380 | 17.9 | 4 | b8 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 470.224539 | Unit | 5 | 380 | 17.9 | 4 | b9 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 481.732531 | Unit | 5 | 380 | 17.9 | 4 | y8 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 508.251423 | Unit | 5 | 380 | 17.9 | 4 | y4 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 543.758746 | Unit | 5 | 380 | 17.9 | 4 | b10 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 545.76182 | Unit | 5 | 380 | 17.9 | 4 | y9 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 557.256568 | Unit | 5 | 380 | 17.9 | 4 | b5 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 602.303852 | Unit | 5 | 380 | 17.9 | 4 | y10 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 607.319837 | Unit | 5 | 380 | 17.9 | 4 | y5 |
| CDC34 | GLQEEPVEGFR | 630.814584 | Unit | 654.309331 | Unit | 5 | 380 | 17.9 | 4 | b6 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 229.615908 | Unit | 5 | 380 | 16.6 | 4 | b5 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 254.660118 | Unit | 5 | 380 | 16.6 | 4 | y4 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 283.17085 | Unit | 5 | 380 | 16.6 | 4 | y5 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 300.155397 | Unit | 5 | 380 | 16.6 | 4 | b3 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 310.176132 | Unit | 5 | 380 | 16.6 | 4 | y2 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 311.147572 | Unit | 5 | 380 | 16.6 | 4 | b6 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 339.658304 | Unit | 5 | 380 | 16.6 | 4 | b7 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 357.176861 | Unit | 5 | 380 | 16.6 | 4 | b4 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 364.702514 | Unit | 5 | 380 | 16.6 | 4 | y6 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 389.192511 | Unit | 5 | 380 | 16.6 | 4 | b8 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 409.244546 | Unit | 5 | 380 | 16.6 | 4 | y3 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 415.226354 | Unit | 5 | 380 | 16.6 | 4 | y7 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 438.726718 | Unit | 5 | 380 | 16.6 | 4 | b9 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 443.737085 | Unit | 5 | 380 | 16.6 | 4 | y8 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 458.224539 | Unit | 5 | 380 | 16.6 | 4 | b5 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 508.258382 | Unit | 5 | 380 | 16.6 | 4 | y9 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 508.31296 | Unit | 5 | 380 | 16.6 | 4 | y4 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 520.258382 | Unit | 5 | 380 | 16.6 | 4 | b10 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 536.769114 | Unit | 5 | 380 | 16.6 | 4 | y10 |
| Cdk3 | IGEGTYGVVYK | 593.311146 | Unit | 565.334424 | Unit | 5 | 380 | 16.6 | 4 | y5 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 363.187425 | Unit | 5 | 380 | 24.9 | 4 | y3 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 372.684133 | Unit | 5 | 380 | 24.9 | 4 | b6 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 387.703243 | Unit | 5 | 380 | 24.9 | 4 | y7 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 406.165584 | Unit | 5 | 380 | 24.9 | 4 | b3 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 438.204375 | Unit | 5 | 380 | 24.9 | 4 | b7 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 453.223485 | Unit | 5 | 380 | 24.9 | 4 | y8 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 478.214368 | Unit | 5 | 380 | 24.9 | 4 | y4 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 502.251857 | Unit | 5 | 380 | 24.9 | 4 | b8 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 503.218348 | Unit | 5 | 380 | 24.9 | 4 | b4 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 517.252774 | Unit | 5 | 380 | 24.9 | 4 | y9 |

| **Prortein Name** | **Peptide Sequence (one peptide for each protein)** | **Precursor Ion** | **MS1 Re** | **Product Ion** | **MS2 Re** | **Dwell** | **Fragmentor** | **Collision Energy** | **Cell Accelerator V** | **Ion Name** |
|---|---|---|---|---|---|---|---|---|---|---|
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 549.251482 | Unit | 5 | 380 | 24.9 | 4 | y5 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 550.778239 | Unit | 5 | 380 | 24.9 | 4 | b9 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 573.794806 | Unit | 5 | 380 | 24.9 | 4 | y10 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 586.296796 | Unit | 5 | 380 | 24.9 | 4 | b10 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 616.302412 | Unit | 5 | 380 | 24.9 | 4 | b5 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 622.321188 | Unit | 5 | 380 | 24.9 | 4 | y11 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 643.810267 | Unit | 5 | 380 | 24.9 | 4 | b11 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 646.304246 | Unit | 5 | 380 | 24.9 | 4 | y6 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 687.326281 | Unit | 5 | 380 | 24.9 | 4 | b12 |
| CUGBP Elav-like family member 2 isoform X22 | MHHPIQMKPADSEK | 824.900342 | Unit | 690.850644 | Unit | 5 | 380 | 24.9 | 4 | y12 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 147.594247 | Unit | 5 | 380 | 14.2 | 4 | y2 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 151.589161 | Unit | 5 | 380 | 14.2 | 4 | b3 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 197.128454 | Unit | 5 | 380 | 14.2 | 4 | y3 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 215.139019 | Unit | 5 | 380 | 14.2 | 4 | b2 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 225.123368 | Unit | 5 | 380 | 14.2 | 4 | b4 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 247.652293 | Unit | 5 | 380 | 14.2 | 4 | y4 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 281.6654 | Unit | 5 | 380 | 14.2 | 4 | b5 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 294.181218 | Unit | 5 | 380 | 14.2 | 4 | y2 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 302.171047 | Unit | 5 | 380 | 14.2 | 4 | b3 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 304.194325 | Unit | 5 | 380 | 14.2 | 4 | y5 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 332.18924 | Unit | 5 | 380 | 14.2 | 4 | b6 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 377.728532 | Unit | 5 | 380 | 14.2 | 4 | y6 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 381.723447 | Unit | 5 | 380 | 14.2 | 4 | b7 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 393.249632 | Unit | 5 | 380 | 14.2 | 4 | y3 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 421.244546 | Unit | 5 | 380 | 14.2 | 4 | y7 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 449.239461 | Unit | 5 | 380 | 14.2 | 4 | b4 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 455.257654 | Unit | 5 | 380 | 14.2 | 4 | b8 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 471.768386 | Unit | 5 | 380 | 14.2 | 4 | y8 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 494.29731 | Unit | 5 | 380 | 14.2 | 4 | y4 |
| Cullin-2 (CUL-2) | LTSFITVFK | 528.310418 | Unit | 562.323525 | Unit | 5 | 380 | 14.2 | 4 | b5 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 175.071333 | Unit | 5 | 380 | 12.5 | 4 | b2 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 182.097351 | Unit | 5 | 380 | 12.5 | 4 | y3 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 201.123368 | Unit | 5 | 380 | 12.5 | 4 | b4 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 217.615908 | Unit | 5 | 380 | 12.5 | 4 | y4 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 234.144832 | Unit | 5 | 380 | 12.5 | 4 | y2 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 265.152657 | Unit | 5 | 380 | 12.5 | 4 | b5 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 281.645196 | Unit | 5 | 380 | 12.5 | 4 | y5 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 288.155397 | Unit | 5 | 380 | 12.5 | 4 | b3 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 300.671214 | Unit | 5 | 380 | 12.5 | 4 | b6 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 338.187228 | Unit | 5 | 380 | 12.5 | 4 | y6 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 363.187425 | Unit | 5 | 380 | 12.5 | 4 | y3 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 365.192511 | Unit | 5 | 380 | 12.5 | 4 | b7 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 394.72926 | Unit | 5 | 380 | 12.5 | 4 | y7 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 401.239461 | Unit | 5 | 380 | 12.5 | 4 | b4 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 408.708525 | Unit | 5 | 380 | 12.5 | 4 | b8 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 434.224539 | Unit | 5 | 380 | 12.5 | 4 | y4 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 438.245275 | Unit | 5 | 380 | 12.5 | 4 | y8 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 529.298038 | Unit | 5 | 380 | 12.5 | 4 | b5 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 562.283117 | Unit | 5 | 380 | 12.5 | 4 | y5 |
| DCC-interacting protein 13-alpha | SSILQAESK | 481.761289 | Unit | 600.335152 | Unit | 5 | 380 | 12.5 | 4 | b6 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 347.167359 | Unit | 5 | 380 | 23.3 | 4 | y3 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 356.217997 | Unit | 5 | 380 | 23.3 | 4 | b3 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 357.687061 | Unit | 5 | 380 | 23.3 | 4 | b6 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 359.671942 | Unit | 5 | 380 | 23.3 | 4 | y6 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 421.71635 | Unit | 5 | 380 | 23.3 | 4 | b7 |

| Prortein Name | Peptide Sequence (one peptide for each protein) | Precursor Ion | MS1 Res | Product Ion | MS2 Re | Dwell | Fragmentor | Collision Energy | Cell Accelerator V | Ion Name |
|---|---|---|---|---|---|---|---|---|---|---|
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 423.701231 | Unit | 5 | 380 | 23.3 | 4 | y7 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 457.265676 | Unit | 5 | 380 | 23.3 | 4 | b4 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 476.209952 | Unit | 5 | 380 | 23.3 | 4 | y4 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 486.237647 | Unit | 5 | 380 | 23.3 | 4 | b8 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 488.222528 | Unit | 5 | 380 | 23.3 | 4 | y8 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 542.779679 | Unit | 5 | 380 | 23.3 | 4 | b9 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 552.251817 | Unit | 5 | 380 | 23.3 | 4 | y9 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 585.324253 | Unit | 5 | 380 | 23.3 | 4 | b5 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 589.294016 | Unit | 5 | 380 | 23.3 | 4 | y5 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 602.775656 | Unit | 5 | 380 | 23.3 | 4 | y10 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 607.300975 | Unit | 5 | 380 | 23.3 | 4 | b10 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 664.814447 | Unit | 5 | 380 | 23.3 | 4 | b11 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 667.296952 | Unit | 5 | 380 | 23.3 | 4 | y11 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 693.325178 | Unit | 5 | 380 | 23.3 | 4 | b12 |
| kinesin-like protein KIF15 isoform X2 | LLETQEQEIEDGR | 780.381016 | Unit | 714.366846 | Unit | 5 | 380 | 23.3 | 4 | b6 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 138.581336 | Unit | 5 | 380 | 13.1 | 4 | y2 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 147.112804 | Unit | 5 | 380 | 13.1 | 4 | y1 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 157.589161 | Unit | 5 | 380 | 13.1 | 4 | b3 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 195.123368 | Unit | 5 | 380 | 13.1 | 4 | y3 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 201.086983 | Unit | 5 | 380 | 13.1 | 4 | b2 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 222.110458 | Unit | 5 | 380 | 13.1 | 4 | b4 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 276.155397 | Unit | 5 | 380 | 13.1 | 4 | y2 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 276.655033 | Unit | 5 | 380 | 13.1 | 4 | y4 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 303.642122 | Unit | 5 | 380 | 13.1 | 4 | b5 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 314.171047 | Unit | 5 | 380 | 13.1 | 4 | b3 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 341.176329 | Unit | 5 | 380 | 13.1 | 4 | y5 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 360.184154 | Unit | 5 | 380 | 13.1 | 4 | b6 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 389.239461 | Unit | 5 | 380 | 13.1 | 4 | y3 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 397.718361 | Unit | 5 | 380 | 13.1 | 4 | y6 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 424.705451 | Unit | 5 | 380 | 13.1 | 4 | b7 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 443.21364 | Unit | 5 | 380 | 13.1 | 4 | b4 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 462.239658 | Unit | 5 | 380 | 13.1 | 4 | y7 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 552.302789 | Unit | 5 | 380 | 13.1 | 4 | y4 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 606.276969 | Unit | 5 | 380 | 13.1 | 4 | b5 |
| L-selectin | AEIEYLEK | 497.758215 | Unit | 681.345383 | Unit | 5 | 380 | 13.1 | 4 | y5 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 449.680496 | Unit | 5 | 380 | 32.5 | 4 | y7 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 452.186903 | Unit | 5 | 380 | 32.5 | 4 | b8 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 470.224539 | Unit | 5 | 380 | 32.5 | 4 | b5 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 485.199053 | Unit | 5 | 380 | 32.5 | 4 | y8 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 502.710742 | Unit | 5 | 380 | 32.5 | 4 | b9 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 506.220516 | Unit | 5 | 380 | 32.5 | 4 | y4 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 535.722892 | Unit | 5 | 380 | 32.5 | 4 | y9 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 553.234581 | Unit | 5 | 380 | 32.5 | 4 | b10 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 586.246731 | Unit | 5 | 380 | 32.5 | 4 | y10 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 588.753138 | Unit | 5 | 380 | 32.5 | 4 | b11 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 621.247459 | Unit | 5 | 380 | 32.5 | 4 | y5 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 629.762745 | Unit | 5 | 380 | 32.5 | 4 | y11 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 645.774602 | Unit | 5 | 380 | 32.5 | 4 | b12 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 656.303852 | Unit | 5 | 380 | 32.5 | 4 | b6 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 709.77807 | Unit | 5 | 380 | 32.5 | 4 | y12 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 727.306266 | Unit | 5 | 380 | 32.5 | 4 | b13 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 784.310788 | Unit | 5 | 380 | 32.5 | 4 | y6 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 784.819737 | Unit | 5 | 380 | 32.5 | 4 | b14 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 802.817726 | Unit | 5 | 380 | 32.5 | 4 | y13 |
| matrix metalloproteinase-9 | SDGLPWC[IAA alkylation]STTANYDTDDR | 1037.426358 | Unit | 816.334501 | Unit | 5 | 380 | 32.5 | 4 | b7 |

| Prortein Name | Peptide Sequence (one peptide for each protein) | Precursor Ion | MS1 Re | Product Ion | MS2 Re | Dwell | Fragmentor | Collision Energy | Cell Accelerator V | Ion Name |
|---|---|---|---|---|---|---|---|---|---|---|
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 373.25578 | Unit | 5 | 380 | 24.3 | 4 | y3 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 380.710348 | Unit | 5 | 380 | 24.3 | 4 | y6 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 384.705588 | Unit | 5 | 380 | 24.3 | 4 | b7 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 387.202681 | Unit | 5 | 380 | 24.3 | 4 | b3 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 424.226362 | Unit | 5 | 380 | 24.3 | 4 | y7 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 428.221602 | Unit | 5 | 380 | 24.3 | 4 | b8 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 459.744919 | Unit | 5 | 380 | 24.3 | 4 | y8 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 486.271095 | Unit | 5 | 380 | 24.3 | 4 | b4 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 501.314357 | Unit | 5 | 380 | 24.3 | 4 | y4 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 508.236927 | Unit | 5 | 380 | 24.3 | 4 | b9 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 516.766383 | Unit | 5 | 380 | 24.3 | 4 | y9 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 557.771134 | Unit | 5 | 380 | 24.3 | 4 | b10 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 565.292765 | Unit | 5 | 380 | 24.3 | 4 | y10 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 583.323859 | Unit | 5 | 380 | 24.3 | 4 | b5 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 600.382771 | Unit | 5 | 380 | 24.3 | 4 | y5 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 614.826972 | Unit | 5 | 380 | 24.3 | 4 | y11 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 621.800422 | Unit | 5 | 380 | 24.3 | 4 | b11 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 658.342986 | Unit | 5 | 380 | 24.3 | 4 | y12 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 671.334629 | Unit | 5 | 380 | 24.3 | 4 | b12 |
| pre-mRNA-processing factor 19 | IWSVPNASC[IAA alkylation]VQVVR | 807.924674 | Unit | 697.366787 | Unit | 5 | 380 | 24.3 | 4 | b6 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 336.663586 | Unit | 5 | 380 | 24.5 | 4 | b6 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 365.174318 | Unit | 5 | 380 | 24.5 | 4 | b7 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 384.689081 | Unit | 5 | 380 | 24.5 | 4 | y6 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 403.229959 | Unit | 5 | 380 | 24.5 | 4 | y3 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 429.234376 | Unit | 5 | 380 | 24.5 | 4 | b4 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 429.695615 | Unit | 5 | 380 | 24.5 | 4 | b8 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 449.210377 | Unit | 5 | 380 | 24.5 | 4 | y7 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 477.721109 | Unit | 5 | 380 | 24.5 | 4 | y8 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 503.229821 | Unit | 5 | 380 | 24.5 | 4 | b9 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 534.270443 | Unit | 5 | 380 | 24.5 | 4 | y4 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 535.234581 | Unit | 5 | 380 | 24.5 | 4 | y9 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 546.745836 | Unit | 5 | 380 | 24.5 | 4 | b10 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 557.292953 | Unit | 5 | 380 | 24.5 | 4 | b5 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 599.26387 | Unit | 5 | 380 | 24.5 | 4 | y10 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 612.266078 | Unit | 5 | 380 | 24.5 | 4 | b11 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 621.302472 | Unit | 5 | 380 | 24.5 | 4 | y5 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 655.805902 | Unit | 5 | 380 | 24.5 | 4 | y11 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 669.77955 | Unit | 5 | 380 | 24.5 | 4 | b12 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 672.319896 | Unit | 5 | 380 | 24.5 | 4 | b6 |
| profilin-1 | DSLLQDGEFSMDLR | 813.377419 | Unit | 712.347934 | Unit | 5 | 380 | 24.5 | 4 | y12 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 447.235044 | Unit | 5 | 380 | 34 | 4 | y3 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 463.218725 | Unit | 5 | 380 | 34 | 4 | b4 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 466.727249 | Unit | 5 | 380 | 34 | 4 | y8 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 470.22655 | Unit | 5 | 380 | 34 | 4 | b8 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 495.237981 | Unit | 5 | 380 | 34 | 4 | y9 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 526.768583 | Unit | 5 | 380 | 34 | 4 | b9 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 551.780013 | Unit | 5 | 380 | 34 | 4 | y10 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 562.261987 | Unit | 5 | 380 | 34 | 4 | y4 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 583.310615 | Unit | 5 | 380 | 34 | 4 | b10 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 592.261319 | Unit | 5 | 380 | 34 | 4 | b5 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 608.322045 | Unit | 5 | 380 | 34 | 4 | y11 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 611.821346 | Unit | 5 | 380 | 34 | 4 | b11 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 633.299101 | Unit | 5 | 380 | 34 | 4 | y5 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 651.838059 | Unit | 5 | 380 | 34 | 4 | y12 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 669.334818 | Unit | 5 | 380 | 34 | 4 | b12 |

| Prortein Name | Peptide Sequence (one peptide for each protein) | Precursor Ion | MS1 Re | Product Ion | MS2 Re | Dwell | Fragmentor | Collision Energy | Cell Accelerator V | Ion Name |
|---|---|---|---|---|---|---|---|---|---|---|
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 704.336215 | Unit | 5 | 380 | 34 | 4 | y6 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 708.380091 | Unit | 5 | 380 | 34 | 4 | y13 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 725.87685 | Unit | 5 | 380 | 34 | 4 | b13 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 739.329733 | Unit | 5 | 380 | 34 | 4 | b6 |
| protein S100-A7 | IDFSEFLSLLGDIAADYHK | 1077.541319 | Unit | 761.395407 | Unit | 5 | 380 | 34 | 4 | b14 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 311.153189 | Unit | 5 | 380 | 21.4 | 4 | b6 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 361.677028 | Unit | 5 | 380 | 21.4 | 4 | y6 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 367.695221 | Unit | 5 | 380 | 21.4 | 4 | b7 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 405.22448 | Unit | 5 | 380 | 21.4 | 4 | b4 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 418.21906 | Unit | 5 | 380 | 21.4 | 4 | y7 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 423.223811 | Unit | 5 | 380 | 21.4 | 4 | y3 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 424.716684 | Unit | 5 | 380 | 21.4 | 4 | b8 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 468.742899 | Unit | 5 | 380 | 21.4 | 4 | y8 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 480.245275 | Unit | 5 | 380 | 21.4 | 4 | y4 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 488.745973 | Unit | 5 | 380 | 21.4 | 4 | b9 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 517.256705 | Unit | 5 | 380 | 21.4 | 4 | b10 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 520.251423 | Unit | 5 | 380 | 21.4 | 4 | b5 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 526.256371 | Unit | 5 | 380 | 21.4 | 4 | y9 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 574.782753 | Unit | 5 | 380 | 21.4 | 4 | y10 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 581.778001 | Unit | 5 | 380 | 21.4 | 4 | b11 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 608.303852 | Unit | 5 | 380 | 21.4 | 4 | y5 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 621.299101 | Unit | 5 | 380 | 21.4 | 4 | b6 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 643.312208 | Unit | 5 | 380 | 21.4 | 4 | y11 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 655.312208 | Unit | 5 | 380 | 21.4 | 4 | b12 |
| protein S100-A9 | LGHPDTLNQGEFK | 728.364972 | Unit | 671.82294 | Unit | 5 | 380 | 21.4 | 4 | y12 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 381.195053 | Unit | 5 | 380 | 26.5 | 4 | b7 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 432.71021 | Unit | 5 | 380 | 26.5 | 4 | y8 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 437.206446 | Unit | 5 | 380 | 26.5 | 4 | y4 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 437.737085 | Unit | 5 | 380 | 26.5 | 4 | b8 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 456.245275 | Unit | 5 | 380 | 26.5 | 4 | b4 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 489.252242 | Unit | 5 | 380 | 26.5 | 4 | y9 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 502.258382 | Unit | 5 | 380 | 26.5 | 4 | b9 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 508.24356 | Unit | 5 | 380 | 26.5 | 4 | y5 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 527.282388 | Unit | 5 | 380 | 26.5 | 4 | b5 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 562.786449 | Unit | 5 | 380 | 26.5 | 4 | y10 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 566.287671 | Unit | 5 | 380 | 26.5 | 4 | b10 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 606.302464 | Unit | 5 | 380 | 26.5 | 4 | y11 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 607.311974 | Unit | 5 | 380 | 26.5 | 4 | y6 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 614.314417 | Unit | 5 | 380 | 26.5 | 4 | b6 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 615.821878 | Unit | 5 | 380 | 26.5 | 4 | b11 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 641.82102 | Unit | 5 | 380 | 26.5 | 4 | y12 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 651.340435 | Unit | 5 | 380 | 26.5 | 4 | b12 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 698.363052 | Unit | 5 | 380 | 26.5 | 4 | y13 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 700.874642 | Unit | 5 | 380 | 26.5 | 4 | b13 |
| pterin-4-alpha-carbinolamine dehydratase isoform 1 | DINLASFIEQVAVSMT | 869.44002 | Unit | 735.370552 | Unit | 5 | 380 | 26.5 | 4 | y7 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 508.236927 | Unit | 5 | 380 | 42.2 | 4 | b8 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 512.235104 | Unit | 5 | 380 | 42.2 | 4 | y9 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 543.755484 | Unit | 5 | 380 | 42.2 | 4 | b9 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 559.272218 | Unit | 5 | 380 | 42.2 | 4 | y5 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 562.758943 | Unit | 5 | 380 | 42.2 | 4 | y10 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 591.269675 | Unit | 5 | 380 | 42.2 | 4 | y11 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 601.268955 | Unit | 5 | 380 | 42.2 | 4 | b10 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 640.803882 | Unit | 5 | 380 | 42.2 | 4 | y12 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 641.340572 | Unit | 5 | 380 | 42.2 | 4 | b5 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 660.319896 | Unit | 5 | 380 | 42.2 | 4 | y6 |

| Prortein Name | Peptide Sequence (one peptide for each protein) | Precursor Ion | MS1 Re | Product Ion | MS2 Re | Dwell | Fragmentor | Collision Energy | Cell Accelerator V | Ion Name |
|---|---|---|---|---|---|---|---|---|---|---|
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 666.789197 | Unit | 5 | 380 | 42.2 | 4 | b11 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 706.324124 | Unit | 5 | 380 | 42.2 | 4 | y13 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 716.323404 | Unit | 5 | 380 | 42.2 | 4 | b12 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 744.834136 | Unit | 5 | 380 | 42.2 | 4 | b13 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 756.367515 | Unit | 5 | 380 | 42.2 | 4 | b6 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 763.837596 | Unit | 5 | 380 | 42.2 | 4 | y14 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 775.346839 | Unit | 5 | 380 | 42.2 | 4 | y7 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 795.357976 | Unit | 5 | 380 | 42.2 | 4 | b14 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 799.356153 | Unit | 5 | 380 | 42.2 | 4 | y15 |
| retinol-binding protein 4 | LLNNWDVC[IAA alkylation]ADMVGTFTDTEDPAK | 1306.585803 | Unit | 855.435929 | Unit | 5 | 380 | 42.2 | 4 | b7 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 393.237056 | Unit | 5 | 380 | 25.9 | 4 | y6 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 421.747787 | Unit | 5 | 380 | 25.9 | 4 | y7 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 433.224342 | Unit | 5 | 380 | 25.9 | 4 | b9 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 461.735074 | Unit | 5 | 380 | 25.9 | 4 | b10 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 462.245943 | Unit | 5 | 380 | 25.9 | 4 | y3 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 479.261259 | Unit | 5 | 380 | 25.9 | 4 | y8 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 495.292559 | Unit | 5 | 380 | 25.9 | 4 | b5 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 518.277106 | Unit | 5 | 380 | 25.9 | 4 | b11 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 527.787641 | Unit | 5 | 380 | 25.9 | 4 | y9 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 559.298707 | Unit | 5 | 380 | 25.9 | 4 | y4 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 566.329673 | Unit | 5 | 380 | 25.9 | 4 | b6 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 571.303655 | Unit | 5 | 380 | 25.9 | 4 | y10 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 574.819138 | Unit | 5 | 380 | 25.9 | 4 | b12 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 606.822212 | Unit | 5 | 380 | 25.9 | 4 | y11 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 623.34552 | Unit | 5 | 380 | 25.9 | 4 | b13 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 653.361701 | Unit | 5 | 380 | 25.9 | 4 | b7 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 663.843676 | Unit | 5 | 380 | 25.9 | 4 | y12 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 672.382771 | Unit | 5 | 380 | 25.9 | 4 | y5 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 712.370058 | Unit | 5 | 380 | 25.9 | 4 | y13 |
| Stat-1 | LLGPNASPDGLIPWTR | 853.964854 | Unit | 716.385176 | Unit | 5 | 380 | 25.9 | 4 | b14 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 340.702514 | Unit | 5 | 380 | 27.6 | 4 | b7 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 362.708662 | Unit | 5 | 380 | 27.6 | 4 | y6 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 385.25578 | Unit | 5 | 380 | 27.6 | 4 | y3 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 397.244546 | Unit | 5 | 380 | 27.6 | 4 | b8 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 419.250694 | Unit | 5 | 380 | 27.6 | 4 | y7 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 445.770928 | Unit | 5 | 380 | 27.6 | 4 | b9 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 454.769251 | Unit | 5 | 380 | 27.6 | 4 | y8 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 455.286411 | Unit | 5 | 380 | 27.6 | 4 | b4 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 481.289485 | Unit | 5 | 380 | 27.6 | 4 | b10 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 482.308544 | Unit | 5 | 380 | 27.6 | 4 | y4 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 503.295633 | Unit | 5 | 380 | 27.6 | 4 | y9 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 537.831517 | Unit | 5 | 380 | 27.6 | 4 | b11 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 552.339175 | Unit | 5 | 380 | 27.6 | 4 | b5 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 559.837665 | Unit | 5 | 380 | 27.6 | 4 | y10 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 595.356222 | Unit | 5 | 380 | 27.6 | 4 | y11 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 596.351471 | Unit | 5 | 380 | 27.6 | 4 | y5 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 601.860806 | Unit | 5 | 380 | 27.6 | 4 | b12 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 609.360639 | Unit | 5 | 380 | 27.6 | 4 | b6 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 623.866954 | Unit | 5 | 380 | 27.6 | 4 | y12 |
| TGFBR3 | ILLDPGALPALQNPPIR | 899.532903 | Unit | 658.88227 | Unit | 5 | 380 | 27.6 | 4 | b13 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 370.689938 | Unit | 5 | 380 | 19.9 | 4 | b6 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 374.668346 | Unit | 5 | 380 | 19.9 | 4 | y6 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 398.218666 | Unit | 5 | 380 | 19.9 | 4 | b3 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 408.191131 | Unit | 5 | 380 | 19.9 | 4 | y3 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 419.21632 | Unit | 5 | 380 | 19.9 | 4 | b7 |

| Prortein Name | Peptide Sequence (one peptide for each protein) | Precursor Ion | MS1 Res | Product Ion | MS2 Re | Dwell | Fragmentor | Collision Energy | Cell Accelerator V | Ion Name |
|---|---|---|---|---|---|---|---|---|---|---|
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 438.697634 | Unit | 5 | 380 | 19.9 | 4 | y7 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 483.245609 | Unit | 5 | 380 | 19.9 | 4 | b8 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 488.231841 | Unit | 5 | 380 | 19.9 | 4 | y8 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 497.28708 | Unit | 5 | 380 | 19.9 | 4 | b4 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 533.769448 | Unit | 5 | 380 | 19.9 | 4 | b9 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 536.249708 | Unit | 5 | 380 | 19.9 | 4 | y4 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 561.766048 | Unit | 5 | 380 | 19.9 | 4 | y9 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 613.784772 | Unit | 5 | 380 | 19.9 | 4 | b10 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 618.30808 | Unit | 5 | 380 | 19.9 | 4 | y10 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 625.345657 | Unit | 5 | 380 | 19.9 | 4 | b5 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 633.302472 | Unit | 5 | 380 | 19.9 | 4 | y5 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 740.3726 | Unit | 5 | 380 | 19.9 | 4 | b6 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 748.329415 | Unit | 5 | 380 | 19.9 | 4 | y6 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 837.425364 | Unit | 5 | 380 | 19.9 | 4 | b7 |
| VEGF-A | HLFVQDPQTC[IAA alkylation]K | 686.837536 | Unit | 876.387993 | Unit | 5 | 380 | 19.9 | 4 | y7 |