

Journal of Visualized Experiments

Detection of ubiquitination sites in proteins by peptide enrichment and mass spectrometry --Manuscript Draft--

Article Type:	Invited Methods Article - JoVE Produced Video
Manuscript Number:	JoVE59079R2
Full Title:	Detection of ubiquitination sites in proteins by peptide enrichment and mass spectrometry
Section/Category:	JoVE Biochemistry
Keywords:	Ubiquitylation; ubiquitin; ubiquitinome; posttranslational modification (PTM); diGly peptide; immunopurification; Orbitrap mass spectrometry
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Additional Information:	
Question	Response
Please indicate whether this article will be Standard Access or Open Access.	Open Access (US\$4,200)
Please indicate the city, state/province, and country where this article will be filmed . Please do not use abbreviations.	Rotterdam, Zuid-Holland, the Netherlands

From: Dr. Jeroen A.A. Demmers
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To: Dr. Phillip Steindel
Review Editor *JoVE*

Rotterdam, 4th December 2019

Dear Dr. Steindel,

Thank you for your letter and the positive reviewers' reports of our manuscript entitled "*Detection of ubiquitination sites in proteins by peptide enrichment and mass spectrometry*", authored by Karel Bezstarosti, Lennart van der Wal and Jeroen A. A. Demmers (JoVE59079). I am grateful for the suggestions proposed by the reviewers and I feel that the revisions make the manuscript both stronger and better readable. Please find below the detailed point-to-point replies to their questions and suggestions. Also, the manuscript has been edited in such a way that there is no textual more overlap to previously published reports.

I have enclosed two versions of the revised manuscript: one clean version and one version with all the changes that were made indicated (track changes).

Briefly, we describe significant improvements to methods for the purification and detection of K- ϵ -diglycine (diGly) containing peptides that result from tryptic analysis of ubiquitinated proteins. The use of immunopurification of diGly peptides and mass spectrometry to identify sites of ubiquitination has resulted in an explosion of the number of identified sites over the past five years. Thanks to the improvements described here, we can now routinely detect over 23,000 diGly modified peptides from a single HeLa lysate sample. We show the efficacy of this strategy for proteins from lysates of both non-labeled and metabolically labeled (SILAC) human cell lines and from endogenous *in vivo* samples. This study presents a valuable addition to the toolbox for ubiquitination site analysis to uncover the deep ubiquitinome. A detailed description of the protocol and visualization of experimental details will be helpful to *JoVE* readers and viewers who wish to study posttranslational modification by mass spectrometry.

The manuscript is accompanied by five figures, one more than in the previous version, as suggested by both referees. Parts of the results described in this manuscript and of the accompanying data have been published in the *Journal of Proteomics*. We have made the appropriate references in the manuscript.

Thank you for taking this submission into consideration – my apologies for the delay. I look forward to hearing from you.

Yours sincerely,



Dr. Jeroen A.A. Demmers

Point-to-point replies to the editorial and the reviewers' comments

Editorial comments

We have adapted the manuscript and solved all the issues that were raised.

General:

1. Done.
2. Done.
3. All commercial language was removed from the manuscript and moved to the Materials & Reagents Table.

Protocol:

1. We have scrutinized the protocol text and converted it into a better readable protocol with a logical sequence of steps and sub-steps.

Figures and tables:

1. 'Supplementary Table 5' was renamed to 'Supplementary Table 1'.
2. Figures are now uploaded separately and the titles (i.e. 'FIGURE ...') were removed from the figures themselves.
3. Explicit copyright permission was obtained. Appropriate editor letters are submitted with this manuscript.

References:

1. Only full journal titles are used now.

Table of Materials:

1. The table was updated and completed.

Reviewer #1 comments

We are happy with the positive report of the reviewer and thank him/her for the feedback. Below, we will reply in detail to all questions raised.

Major concerns

1. We have used proteasome inhibitors to increase the number of diGly peptides and ubiquitination sites in order to develop and optimize a robust protocol for the enrichment and detection of such modified peptides. The incubation time was optimized to maximize the number of ubiquitination events, while keeping the cells alive. We – and others - have observed that longer periods (>16 h) of proteasome inhibition result in the upregulation of apoptotic proteins and subsequent cell death (e.g., Sap, et al., Journal of Proteome Research, 2017).

In another study, we have observed that subtle perturbations of the UPS system (e.g. knocking down a single DUB) results in only subtle modulation of the ubiquitinome (*unpublished results*). Apparently, the effects of proteasome inhibition on the UPS and the ubiquitinome are so dramatic that subtler changes imposed by e.g. a single knockdown could easily be masked. For this reason, we have chosen *not* to use proteasome inhibitors to accumulate putative targets in such knockdown assays, but to perform the sample preparation steps as quickly as possible to avoid side effects by ligase or DUB activity during these steps. Immediate cell lysis by urea or detergent containing lysis buffers should denature proteins rapidly and stop DUB activity.

We do not have experience with the PROTAC system ourselves and cannot judge whether proteasome inhibitors would be useful here.

2. The reviewer is right in that the information about the expected outcome is somewhat scattered throughout the manuscript. In order to clarify this, we have now included a short table of expected numbers of diGly peptide identifications based on the amount of starting material (mg of dry protein) when using the described protocol, i.e. **Table 1** in the manuscript (copied below). The numbers in this table are based on large numbers of replicate analyses performed in our laboratory.

Table 1

Sample, condition	Amount of input material (mg)	Expected number of identified diGly peptides
Untreated HeLa cells	10	7,500
Proteasome inhibitor treated HeLa cells	1	2,500
	2	5,000
	10	15,000
	20	20,000
	40	>25,000
Tissue (mouse brain)	30	>10,000

3. We agree with the reviewer that the information in the original Figure 2 is somewhat scattered and unclear. Therefore, we have decided to re-analyze the source data and to generate a completely novel Figure 2, which now consists of several Venn diagrams based on the very same data set as the previous Figure 2 and including some additional information. We feel that this Figure is clearer to the reader and that the reader is now better of capable to judge to what extent the different steps in the process are useful.
4. We have included a paragraph on the use of diGly enrichment in combination with multiplexing (TMT labeling) for quantitative purposes, as well as a reference to pioneering work of the Gygi Lab. We agree with the Reviewer that this is a very powerful approach. In fact, we have introduced this method in our own work recently and obtained similar results to the ones published. This is work in progress in our lab and will hopefully soon be published in a separate paper.
5. We have investigated the use of DUB inhibitors such as *N*-ethylmaleimide (NEM), etc. and included these in the past in our sample prep assays. However, we have later decided to leave them out, since the cell lysis using urea or DOC based lysis buffers is fast and proteins are quickly denatured *and* because these inhibitors introduce modifications to proteins, which complicates the identification of peptides during data analysis. We have added a remark on the use of inhibitors in the protocol (section 1.1.5).
6. The choice of splitting beads up into three fractions is merely a practical one: it is difficult to pipette very small amounts of beads slurry, since beads stick to the walls of the plastic tube. Handling one sixth of the original amount of beads slurry was doable, but smaller fractions were too difficult to handle. We suspect that more extensive fractionation would result in higher numbers of identified diGly peptides. This would however imply that more than batch (we use a 'batch' as defined by the

manufacturer) of beads would be needed and this is undesirable, not in the least place from a cost perspective.

It should be noted that this is a fractionation of the cell lysate *before* enrichment. Upon enrichment, we do not expect the diGly peptide mixtures to be that complex that extensive fractionation is needed at that stage, especially when using mass spectrometers with high duty cycles.

Minor concern

1. The company CDS Analytical (<https://www.cdsanalytical.com/>) has only this year acquired the right to Empore products. According to the company's website, Empore products are now for sale. We have added the company's name to the Table of Materials.

Reviewer #2 comments

This reviewer is very positive and recommends the article for publication. Below, we will reply to his/her minor concerns.

Minor concerns

Line 52: The terminology was adapted, to clarify the difference between 'branched' and 'mixed' polyubiquitin chains.

Line 57: Brackets were removed.

Lines 53-58: Several sentences were added in the Introduction section to clarify the methods to study polyubiquitin chain topologies and two references that describe pioneering studies in this direction were included.

Line 121: The phrase was removed.

Line 134: The procedure was clarified.

Line 165: The procedure was clarified.

Line 195: A sentence break was introduced.

Line 195: The description of the "lowest intensity peaks first" method was clarified.

Line 217: A description of the use of decoy and contaminants databases by MaxQuant was added.

Line 223: A description of follow-up data analysis using Perseus was already listed in L 252/253.

Line 271: We agree with the Reviewer that the original Figure 2 was not sufficiently clear. Therefore, we have completely restructured this Figure by replacing the original bar graphs for Venn diagrams. We feel that the current Figure is of much more value to the readers than the previous one.

Line 298: First, we want to stress that we do not criticize the software nor its developers in any way. On the contrary: we are very grateful that a great software tool like this is made publicly available. Also, we agree with the Reviewer that the MaxQuant software is in most cases unbiased for the isotopic state of the search space. We noticed, however, that there are some issues when diGly peptides are only present as their heavy counterpart while the light counterpart is completely absent. We don't think that this is a result of the culturing conditions (as suggested by the Reviewer), but do think that it could be caused by the occurrence of "double" modifications, i.e. heavy stable isotopes in Lysine *and* a diGly moiety on that same Lysine residue.

We have included evidence for this phenomenon both in the text, in **Figure 5** and in **Supplementary Table 1**. Most notably, we have compared MQ database searches with 'multiplicity = 1' (non-SILAC condition) and 'multiplicity = 2' (SILAC condition) and identified not a single diGly peptide that had intensity = 0 in the light channel but non-zero intensity in the heavy channel. At the same time though, thousands of diGly peptides with a heavy SILAC label were identified in the 'multiplicity = 1' search, while their light counterparts were not identified at all.

Since this issue may cause substantial differences in numbers of identified diGly under some conditions, we chose to describe them here, most importantly to explain to the reader that the reason for these lower numbers is *not* a consequence of the sample prep or mass spectrometry analysis procedure.

Line 308: The proposed change was made.

General comment: We have investigated the use of DUB inhibitors such as *N*-ethylmaleimide (NEM), etc. and included these in the past in our sample prep assays. However, we have later decided to leave them out, since the cell lysis using urea or DOC containing lysis buffers is fast and proteins are quickly denatured *and* because these inhibitors introduce modifications to proteins, which complicates the identification of peptides during data analysis. We have added a remark on the use of inhibitors in the protocol (section 1.1.5).

TITLE:**Detection of Protein Ubiquitination Sites by Peptide Enrichment and Mass Spectrometry****AUTHORS AND AFFILIATIONS:**Karel Bezstarosti¹, Lennart van der Wal¹ & Jeroen A. A. Demmers¹¹Proteomics Center, Erasmus University Medical Center, Rotterdam, the Netherlands**Corresponding Author:**

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KEYWORDS:

ubiquitination, ubiquitin, ubiquitinome, posttranslational modification (PTM), diGly peptide, immunopurification, orbitrap mass spectrometry

SUMMARY:

We present a method for the purification, detection, and identification of diGly peptides that originate from ubiquitinated proteins from complex biological samples. The presented method is reproducible, robust, and outperforms published methods with respect to the level of depth of the ubiquitinome analysis.

ABSTRACT:

The posttranslational modification of proteins by the small protein ubiquitin is involved in many cellular events. After tryptic digestion of ubiquitinated proteins, peptides with a diglycine remnant conjugated to the epsilon amino group of lysine ('K-ε-diglycine' or simply 'diGly') can be used to track back the original modification site. Efficient immunopurification of diGly peptides combined with sensitive detection by mass spectrometry has resulted in a huge increase in the number of ubiquitination sites identified up to date. We have made several improvements to this workflow, including offline high pH reverse-phase fractionation of peptides prior to the enrichment procedure, and the inclusion of more advanced peptide fragmentation settings in the ion routing multipole. Also, more efficient cleanup of the sample using a filter-based plug in order to retain the antibody beads results in a greater specificity for diGly peptides. These improvements result in the routine detection of more than 23,000 diGly peptides from human cervical cancer cells (HeLa) cell lysates upon proteasome inhibition in the cell. We show the efficacy of this strategy for in-depth analysis of the ubiquitinome profiles of several different cell types and of in vivo samples, such as brain tissue. This study presents an original addition to the toolbox for protein ubiquitination analysis to uncover the deep cellular ubiquitinome.

INTRODUCTION:

The conjugation of ubiquitin to proteins marks them for degradation by the proteasome and is a

crucial process in proteostasis. The C-terminal carboxyl group of ubiquitin forms an isopeptide bond with the lysine ϵ -amino group of the target protein^{1,2}. In addition, ubiquitin can be attached to other ubiquitin modules, resulting in the formation of homogeneous (i.e., K48 or K11) or branched (i.e., heterogeneous or mixed) polyubiquitin structures^{1,3}. The most well-known function of ubiquitin is its role in proteasomal degradation, mediated by K48-linked polyubiquitin. However, it has become clear that both mono- as well as polyubiquitination also play roles in many processes that are independent of degradation by the proteasome. For instance, K63-linked chains have nondegradative roles in intracellular trafficking, lysosomal degradation, kinase signaling, and the DNA damage response^{4,5}. The other six linkage types are less abundant and their roles are still largely enigmatic, although first indications about their functions in the cell are emerging, largely because of the development of novel tools to enable linkage-specific detection^{6,7}.

Mass spectrometry has become an indispensable tool for proteome analyses and nowadays thousands of different proteins from virtually any biological source can be identified in a single experiment. An additional layer of complexity is presented by posttranslational modifications (PTMs) of proteins (e.g., phosphorylation, methylation, acetylation, and ubiquitination) which can modulate protein activity. Large-scale identification of PTM-bearing proteins has also been made possible by developments in the mass spectrometry field. The relatively low stoichiometry of peptides bearing PTMs compared to their unmodified counterparts presents a technical challenge and biochemical enrichment steps are generally necessary prior to the mass spectrometry analysis. Over the past two decades, several different specific enrichment methods have been developed for the analysis of PTMs.

Because of the multifaceted roles of protein ubiquitination in the cell, there is a great demand for the development of analytical methods for the detection of ubiquitination sites on proteins⁸. The application of mass spectrometric methods has led to an explosion of the number of identified ubiquitination sites in fruit fly, mouse, human, and yeast proteins^{9–14}. A major step was presented by the development of immunoprecipitation based enrichment strategies at the peptide level using antibodies directed against the K- ϵ -GG remnant motif (also referred to as 'diglycine' or 'diGly'). These diGly peptides are produced upon digestion of ubiquitinated proteins using trypsin as the protease^{15,16}.

Here, we present an optimized workflow to enrich for diGly peptides using immunopurification and subsequent detection by Orbitrap mass spectrometry. Using a combination of several modifications of existing workflows, especially in the sample preparation and mass spectrometry stages, we can now routinely identify more than 23,000 diGly peptides from a single sample of HeLa cells treated with a proteasome inhibitor and ~10,000 from untreated HeLa cells. We have applied this protocol to lysates from both unlabeled and stable isotope labeling with amino acids in cell culture (SILAC) labeled HeLa cells as well as to endogenous samples such as brain tissue.

This workflow presents a valuable addition to the repertoire of tools for the analysis of ubiquitination sites in order to uncover the deep ubiquitinome. The following protocol describes all steps of the workflow in detail.

PROTOCOL:

All methods described here have been approved by the Institutional Animal Care and Use Committee (EDC) of Erasmus MC.

1. Sample preparation

1.1. Cultured cells

1.1.1. Select a cell line of interest (e.g., HeLa or osteosarcoma [U2OS] cells) and grow the cells in Dulbecco's Minimal Eagle Medium (DMEM) supplemented with 10% heat inactivated fetal bovine serum (FBS) and 100 units/mL penicillin/streptomycin.

1.1.2. For quantitative proteomics experiments, culture cells in DMEM lacking arginine and lysine. The medium must be supplemented with 10% dialyzed fetal bovine serum (FBS), 100 units/mL penicillin/streptomycin, and alanine-glutamine. Make two types of media by adding either conventional lysine and arginine ('Light' Medium) or lysine-8 ($^{13}\text{C}_6$, $^{15}\text{N}_2$) and arginine-10 ($^{13}\text{C}_6$, $^{15}\text{N}_4$) ('Heavy' Medium), respectively.

1.1.3. Culture batches of cells in Light Medium (i.e., unlabeled) and Heavy Medium (i.e., labeled, SILAC) for at least six doublings before expansion and treatment to make sure that all proteins in the Heavy Medium culture are labeled with heavy stable isotope containing amino acids.

1.1.4. Treat the cells for 8 h with 10 μM of the proteasome inhibitor bortezomib or an equivalent volume of DMSO as a mock treatment. Wash the cells with PBS, dissociate them using 1% trypsin/EDTA, and pellet the cells.

1.1.5. Lyse the cell pellet from one 150 cm^2 culture plate per condition tested in 2 mL of ice-cold 50 mM Tris-HCl (pH = 8.2) with 0.5% sodium deoxycholate (DOC). Boil the lysate at 95 $^\circ\text{C}$ for 5 min and sonicate for 10 min (setting "H" for the sonicator listed in the **Table of Materials**) at 4 $^\circ\text{C}$. We do not recommend the use of deubiquitinase inhibitors such as N-ethylmaleimide (NEM), because this may introduce unwanted protein modifications that can complicate peptide identification.

1.2. In vivo mouse brain tissue

1.2.1. When using in vivo tissue, lyse the tissue in an ice-cold buffer containing 100 mM Tris-HCl (pH = 8.5), 12 mM sodium DOC, and 12 mM sodium N-lauroylsarcosinate¹⁷. Sonicate the lysate for 10 min (setting "H" for the sonicator listed in the **Table of Materials**) at 4 $^\circ\text{C}$ and boil the lysate for 5 min at 95 $^\circ\text{C}$.

1.3. Quantitate the total protein amount using a colorimetric absorbance BCA protein assay kit. The total amount of protein should be at least several milligrams for a successful diGly peptide

immunoprecipitation (IP). For SILAC experiments mix the light and heavy labeled proteins in a 1:1 ratio based on the total protein amount.

1.4. Reduce all proteins using 5 mM 1,4-dithiothreitol for 30 min at 50 °C and subsequently alkylate them with 10 mM iodoacetamide for 15 min in the dark. Perform protein digestion with Lys-C (1:200 enzyme-to-substrate ratio) for 4 h followed by overnight digestion with trypsin (1:50 enzyme-to-substrate ratio) at 30 °C or at room temperature (RT).

1.5. Add trifluoroacetic acid (TFA) to the digested sample to a final concentration of 0.5% and centrifuge the sample at 10,000 x *g* for 10 min in order to precipitate and remove all detergent. Collect the supernatant containing the peptides for subsequent fractionation.

2. Offline peptide fractionation

2.1. Use high pH reverse-phase (RP) C18 chromatography with polymeric stationary phase material (300 Å, 50 µM; see **Table of Materials**) loaded into an empty column cartridge to fractionate the tryptic peptides. The stationary phase bed size must be adjusted to the amount of protein digest to be fractionated. Prepare an empty 6 mL column cartridge (see **Table of Materials**) filled with 0.5 g of stationary phase material for ~10 mg of protein digest. The protein digest to stationary phase ratio should be approximately 1:50 (w/w).

2.2. Load the peptides onto the prepared column and wash the column with approximately 10 column volumes of 0.1% TFA, followed by approximately 10 column volumes of H₂O.

2.3. Elute the peptides into three fractions with 10 column volumes of 10 mM ammonium formate solution (pH = 10) with 7%, 13.5%, and 50% acetonitrile (AcN), respectively. Lyophilize all fractions to completeness.

2.4. Use ubiquitin remnant motif (K-ε-GG) antibodies conjugated to protein A agarose beads for the immunoenrichment of diGly peptides. Because the exact amount of antibody per batch of beads is proprietary information and not disclosed by the manufacturer, it is recommended to use the same definition for a batch of beads as the manufacturer does in order to avoid confusion. Wash one batch of these beads 2x with PBS and split the bead slurry into six equal fractions. See **Figure 1** for a detailed experimental scheme.

2.5. Dissolve the three peptide fractions collected in step 2.3 in 1.4 mL of a buffer composed of 50 mM MOPS, 10 mM sodium phosphate, and 50 mM NaCl (pH = 7.2), and spin down the debris.

2.6. Add the supernatants of the fractions to the diGly antibody beads and incubate for 2 h at 4 °C on a rotator unit. Spin down the beads and transfer the supernatant to a fresh batch of antibody beads and incubate again for 2 h at 4 °C.

2.7. Store the supernatants for subsequent global proteome (GP) analysis.

2.8. Transfer the beads from every fraction into a 200 μ L pipette tip equipped with a GF/F filter plug to retain the beads. Put the pipette tip with the beads into a 1.5 mL microcentrifuge tube equipped with a centrifuge tip adapter. Wash the beads 3x with 200 μ L of ice-cold IAP buffer and subsequently 3x with 200 μ L of ice-cold milliQ H₂O. Spin down the column at 200 x *g* for 2 min before every wash step, but be careful not to let the column run dry. Elute the peptides using 2 cycles of 50 μ L of 0.15% TFA.

2.9. Desalt the peptides using a C18 stage tip (essentially a 200 μ L pipette tip with two C18 disks) and dry them to completeness using vacuum centrifugation.

3. Nanoflow LC-MS/MS

3.1. Perform LC-MS/MS experiments on a sensitive mass spectrometer coupled to a nanoflow LC system.

3.2. Use an in-house packed 50 cm reversed-phase column with a 75 μ m inner diameter packed with CSH130 resin (3.5 μ m, 130 Å) and elute the peptides with a gradient of 2–28% (AcN, 0.1% FA) over 120 min at 300 nL/min. Alternatively, use commercially available LC columns with similar properties. Keep the column at 50 °C using a column oven, for example (see **Table of Materials**).

3.3. Perform the mass spectrometry analysis.

3.3.1. The mass spectrometer must be operated in data-dependent acquisition (DDA) mode. MS1 mass spectra should be collected at high resolution (e.g., 120,000), with an automated gain control (AGC) target setting of 4E5 and a maximum injection time of 50 ms in case of an Orbitrap mass spectrometer.

3.3.2. Perform the mass spectrometry analysis in “Highest Intensity First” mode first. This way, the most intense ion is selected first for fragmentation, then the second highest, and so forth, using the top speed method with a total cycle time of 3 s. Subsequently, perform a second round of DDA MS analysis in “Lowest Intensity First” mode, so that the least intense ion is selected first, then the second lowest, and so forth. This strategy ensures optimal detection of very low abundance peptides.

3.3.3. Filter the precursor ions according to their charge states (2–7 charges) and monoisotopic peak assignment. Exclude previously interrogated precursors dynamically for 60 s. Isolate peptide precursors with a quadrupole mass filter set to a width of 1.6 Th.

3.3.4. Collect MS2 spectra in the ion trap at an AGC of 7E3 with a maximum injection time of 50 ms and HCD collision energy of 30%.

4. Data analysis

4.1. Analyze the mass spectrometry raw files using an appropriate search engine such as the

freely available MaxQuant software suite based on the Andromeda search engine^{18,19}. In MaxQuant, select the default settings with a few adaptations that are indicated below. Set the enzyme specificity to trypsin, with the maximum number of missed cleavages raised to three. Set lysine with a diGly remnant (+114.04 Da), oxidation of methionine and N-terminal acetylation as variable modifications, and set carbamidomethylation of cysteine as a fixed modification.

4.2. Perform database searches against a FASTA file containing protein sequences downloaded from, for example, the Uniprot repository (<https://www.uniprot.org/downloads>) combined with a decoy and a standard common contaminant database that is automatically provided by MaxQuant. Set the false discovery rate (FDR) to 1% and set the minimum score for modified (diGly) peptides to 40 (default value). Exclude peptides identified with a C-terminal diGly modified lysine residue from further analysis.

4.3. For the quantitative analysis of SILAC experiment files, set the multiplicity to "2" and repeat step 4.2.

4.4. Perform all downstream analyses (e.g., statistics, gene ontology analyses) with the Perseus module²⁰ of the MaxQuant software suite.

REPRESENTATIVE RESULTS:

Ubiquitinated proteins leave a 114.04 Da diglycine remnant on the target lysine residue when the proteins are digested with trypsin. The mass difference caused by this motif was used to unambiguously recognize the site of ubiquitination in a mass spectrometry experiment. The strategy that we describe here is a state-of-the-art method for the enrichment and subsequent identification of diGly peptides by nanoflow LC-MS/MS (**Figure 1A**). In this study, both cultured cells and in vivo material were used as the biological source of proteins, but this protocol is compatible with any source of proteins. Following the steps in the protocol it should be straightforward to identify 10,000–25,000 diGly peptides from 2–20 mg of protein input. To increase the extent of protein ubiquitination in cells, a proteasome inhibitor such as bortezomib or MG132 can be added a few hours prior to harvesting the cells. If no proteasome inhibitor was used, the numbers of identified diGly peptides tended to be significantly lower (30–40%).

We made several improvements to existing protocols. First, a crude fractionation into three fractions based on reversed-phase chromatography and subsequent elution at high pH is performed to reduce the complexity of the peptide mixture. These fractions show a very low overlap in peptide identifications, and comparable numbers of diGly peptides should be identified per fraction (**Figure 2**). This results in high numbers of unique diGly peptides identified in each of those fractions. Importantly, one of the fractions (typically the second) should contain ubiquitin's own K48 modified tryptic diGly peptide LIFAGK(GG)QLEDGR (m/z 730.39). This is by far the most abundant peptide in the immunoprecipitated fraction and is characterized by the intense and broad peak in the LC chromatogram (**Figure 1B**). This is a benchmark chromatographic peak and if it is absent from the chromatogram the IP was most likely unsuccessful.

Another improvement is the adaptation of the DDA analysis procedure is the ion routing multipole in the mass spectrometer. In conventional top *N* data-dependent acquisition (DDA), *N* peaks from the MS1 spectrum are selected for fragmentation. This fragmentation scheme starts with the highest intensity peak first, followed by the peak of second highest intensity, and so on. In an alternative fragmentation scheme, the least intense peak is selected first, followed by the second least intense peak, etc. The rationale behind this order of selection is that there be sufficient time to fragment very low abundant peptides as well. In fact, we found that the number of peptide identifications increases when the "highest first" and "lowest first" DDA runs were combined compared to a duplicate LC-MS analysis with standard DDA settings (i.e., highest first). For more comprehensive ubiquitinome profiling, it is therefore recommended to combine the LC-MS runs with "highest first" and "lowest first" fragmentation regimes in the data analysis procedure. This "lowest first" strategy can produce more than additional 4,000 unique diGly peptides, which were not detected when only the conventional DDA regime was used (**Figure 2**).

Finally, additional IP's of the flowthrough after the first IP can produce another ~2,500 unique diGly peptides (**Figure 2**).

Articles in the literature on ubiquitination profiling typically report around 10,000 identified diGly peptides^{12,21}. Here, of all diGly peptides identified over three biological replicate screens, >9,000 were present in all three, while >17,000 were present in at least two out of three replicates (**Figure 3**). Typically, following the protocol described here one should identify >21,000 unique diGly peptides from one 15–20 mg protein sample using one standard batch of CST antibody beads. In terms of purity and selectivity the ratio between identified diGly peptides and unmodified peptides should always be >0.5. The number of diGly peptide identifications was highly dependent on the amount of protein input material. An IP performed with only 1 mg of input material produced roughly 2,500 diGly peptide identifications, while with 10 mg of protein input material >15,000 diGly peptide identifications were produced. **Table 1** lists the expected number of identified diGly peptides for each condition. It should be noted that these numbers are only estimations and depend on the type of mass spectrometer used. **Figure 4** shows the overlap between diGly peptide identifications with low, medium, and high amounts of input material.

In order to illustrate the added value of the improvements for ubiquitination site analysis described above, we also performed a quantitative ubiquitinomic analysis of SILAC labeled HeLa cells that were treated with the proteasome inhibitor bortezomib compared to untreated control cells in a duplicate label swap assay. More than half (>55%) of all identified peptides in the eluate upon IP were diGly peptides. Over 19,000 unique diGly peptides were identified, which is only slightly less than in a non-SILAC labeled sample. The reason for this may be the higher complexity of MS1 spectra in a SILAC assay because of the presence of peptide peak pairs. In the SILAC analysis relatively large differences were observed between the numbers of diGly peptides that were exclusively identified in the forward condition (i.e., bortezomib treated cells in the heavy channel, control cells in the light channel) and those exclusively identified in the reverse condition (i.e., bortezomib treated cells in the light channel, control cells in the heavy channel), in this case 1,752 versus 6,356 (**Supplementary Table 1**). When operating the MaxQuant software in the

"multiplicity = 2" (i.e., two-channel SILAC) mode, 7,555 diGly peptides were identified with zero intensity in the heavy channel (virtually all coming in the reverse experiment) and a non-zero intensity value in the light channel. In contrast, no single diGly peptides was identified with a non-zero intensity value in the heavy channel accompanied by a zero intensity value in the light channel. When a MaxQuant analysis on the same data set was performed in the "multiplicity = 1" mode with the diGly moiety and the labeled amino acid combined into one single variable modification, many heavy diGly peptide variants were identified, even when no light counterpart of that peptide could be detected. The most likely explanation for this is the inability of the software to cope with the identification of diGly peptides that are exclusively present in the heavy channel. This phenomenon is likely to occur extensively, because the inhibition of the proteasome will trigger the formation of novel ubiquitination sites. Ticking the "requantify" option check box in MaxQuant, which was developed to deal with these issues and should corrects for this, seems to be insufficient to avoid this issue completely. Obviously, the far majority of diGly peptides are being upregulated or formed de novo upon proteasome inhibition, because over two thirds of the peptide pool have H:L ratios of at least 1.5 (**Figure 5B**).

Finally, we applied this ubiquitination site analysis method to an in vivo tissue sample. To assess the effectiveness, we extracted approximately 32 mg of protein from fresh mouse brain (~10% of the wet tissue weight is protein). The brain material was not treated with proteasome inhibitors or any other reagent that could boost overall protein ubiquitination. From this sample, 10,871 unique diGly peptides were identified (**Supplementary Table 2**). All diGly peptides identified in this tissue originated from endogenous sites of ubiquitination in a steady-state situation. No treatment to boost global ubiquitination (e.g., proteasome inhibition) was imposed. We therefore hypothesize that these ubiquitination sites at least partially arise from (poly)ubiquitination involved in non-proteasome mediated cellular signalling events, which is in agreement with ideas proposed in the literature^{5,16,22}.

In conclusion, the method described here allows for the in-depth exploration of the ubiquitinome in a reproducible manner. For an overview of typical results obtained with this procedure see Van Der Wal et al.²³.

FIGURE AND TABLE LEGENDS:

Figure 1: Experimental overview. (A) Overview of the experimental approach. Samples were prepared, trypsinized, and fractionated into three fractions using reverse-phase chromatography with high pH elution. One batch of commercial α -diGly peptide antibody beads was split into six equal fractions and the three peptide fractions were then loaded on three of the bead fractions. The diGly peptides were immunopurified, eluted, and collected, and the flowthrough was subsequently transferred to the three remaining fresh beads fractions. The collected diGly peptides were analyzed by mass spectrometry on a Lumos Orbitrap mass spectrometer according to a two-tier scheme combining one cycle in which the most intense peaks were first selected for peptide fragmentation and the next cycle in which the least intense peaks were selected first. The complete set of nLC-MS/MS runs were then analyzed using MaxQuant. (B) One of the fractions should contain ubiquitin's own K48 modified tryptic diGly peptide LIFAGK(GG)QLEDGR (m/z 730.39). This is by far the most abundant peptide in the immunoprecipitated fraction and

was characterized by the intense and broad peak in the LC chromatogram between 50–55 min on a 120 min gradient. If this benchmark peak is absent from the chromatogram the IP was most likely unsuccessful. This figure has been modified from Van Der Wal et al.²³.

Figure 2: Numbers of diGly peptides detected for each of the three improvement steps. (A) Effect of crude fractionation prior to immunoprecipitation. The overlap between diGly peptide populations identified in the three separate fractions is shown. **(B)** Effect of the first and second incubation steps. **(C)** Results of the adjusted peptide fragmentation regime. This figure has been modified from Van Der Wal et al.²³.

Figure 3: DiGly peptides detected in three biological replicates of bortezomib treated cells showing the amount of overlap between the runs. This figure has been modified from Van Der Wal et al.²³.

Figure 4: Overlap of identified diGly peptides from analyses with low (4 mg), medium (10 mg), and high (40 mg) total protein input amounts.

Figure 5: Detection of diGly peptides in SILAC labeled cells. (A) Numbers of peptides detected in the forward and reverse conditions of the SILAC labeled HeLa cells for multiplicity settings 1 and 2. **(B)** Scatterplot of diGly peptide SILAC ratios in Bortezomib (Btz) treated HeLa cells. Only peptides that were identified and quantified in both forward and reverse experiments are shown. This figure has been modified from Van Der Wal et al.²³.

Table 1: Expected numbers of diGly peptide identifications for different conditions. These numbers are only estimations and depend on the experimental settings used.

DISCUSSION:

The protocol described here was applied to samples from various biological sources, such as cultured cells and in vivo tissue. In all cases we identified thousands of diGly peptides, provided that the total protein input amount was at least 1 mg. The enrichment using specific antibodies is highly efficient, given that only at most 100–150 very low abundant diGly peptides were identified from whole cell lysates if no enrichment procedures for ubiquitinated proteins or diGly peptides were applied. Obviously, sensitive mass spectrometry is a prerequisite for obtaining high numbers of diGly identifications. Although we have successfully used several different mass spectrometers, we found the Orbitrap Tribrid Lumos to be the most sensitive one that gave the highest yields.

The offline RP chromatography with high pH elution should be tested before the IP's are carried out. The overlap between the fractions in terms of peptide identifications should be as low as possible for an optimal experiment. After the IP, one of the fractions should contain ubiquitin's own K48 modified tryptic diGly peptide LIFAGK(GG)QLEDGR (m/z 730.39). This is by far the most abundant peptide in the immunoprecipitated fraction and is characterized by the intense and broad peak in the LC chromatogram between 50–55 min on a 120 min gradient (**Figure 1B**). If this benchmark peak is absent from the chromatogram, the IP was most likely unsuccessful.

It is important to analyze the immunoprecipitated diGly tryptic peptides immediately after the IP procedure, so the time between the IP and analysis should be kept to a minimum. During that time, peptides should preferably be stored in a glass vial instead of plastic tubes. Leaving peptides in plastic tubes for too long, either at RT or at -20 °C, may result in precipitation of peptides and/or sticking to the plastic tube wall. This will ultimately affect the sensitivity of the analysis.

Although there have been reports in the literature about the potential misinterpretation of iodoacetamide adducts as ubiquitination sites because of their identical 114.04 Da mass shifts²⁴, we have not found any indication of this with our preparations of immunoprecipitated tryptic peptides. First, the side effects of using iodoacetamide (IAM) are minimal in our hands using the alkylation-reduction protocol described above. Second, the antibody is specific for peptides with a diglycine remnant. Peptides with two iodoacetamide moieties covalently added to lysine residues should not be enriched in this protocol. Third, the majority of the peptides in the immunoprecipitated fraction are upregulated upon proteasome inhibition, as exemplified on the SILAC experiment described above (**Figure 5**). Because the population of ubiquitinated proteins is affected as a result of this treatment, it is highly likely that these affected peptides are indeed diGly peptides resulting from ubiquitinated proteins.

Finally, this protocol could be used in combination with a recently published multiplexed quantitative strategy using TMT¹⁹. Obviously, although the published diGly peptide numbers are somewhat lower than those obtained using the present protocol, the ability to relatively quantify up to 16 samples simultaneously is a huge advantage. Combining these methods will allow researchers to perform large-scale quantitative ubiquitinome studies in great depth.

ACKNOWLEDGMENTS:

This work is part of the project “Proteins at Work”, a program of the Netherlands Proteomics Centre financed by The Netherlands Organization for Scientific Research (NWO) as part of the National Roadmap Large-Scale Research Facilities (project number 184.032.201).

DISCLOSURES:

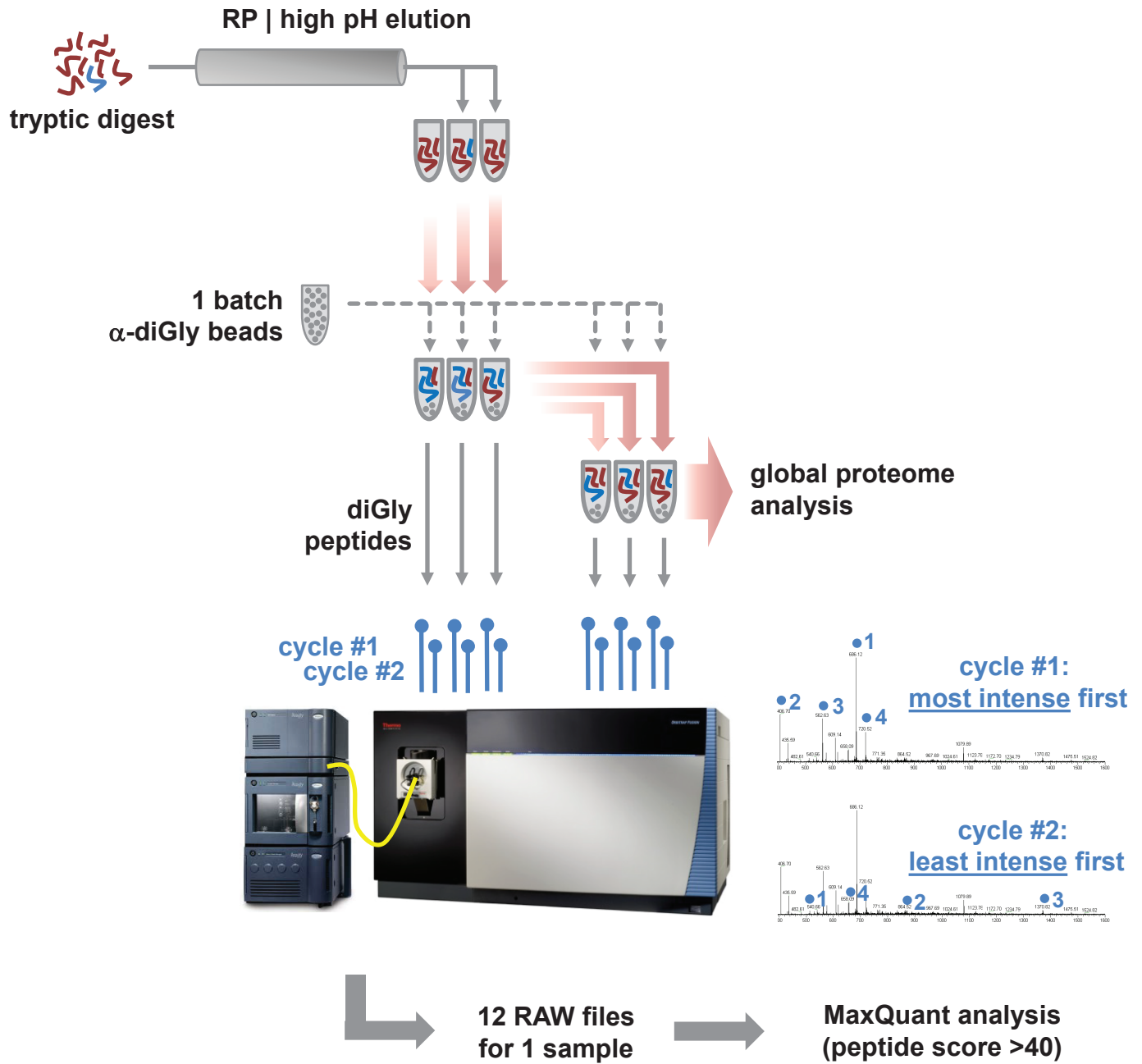
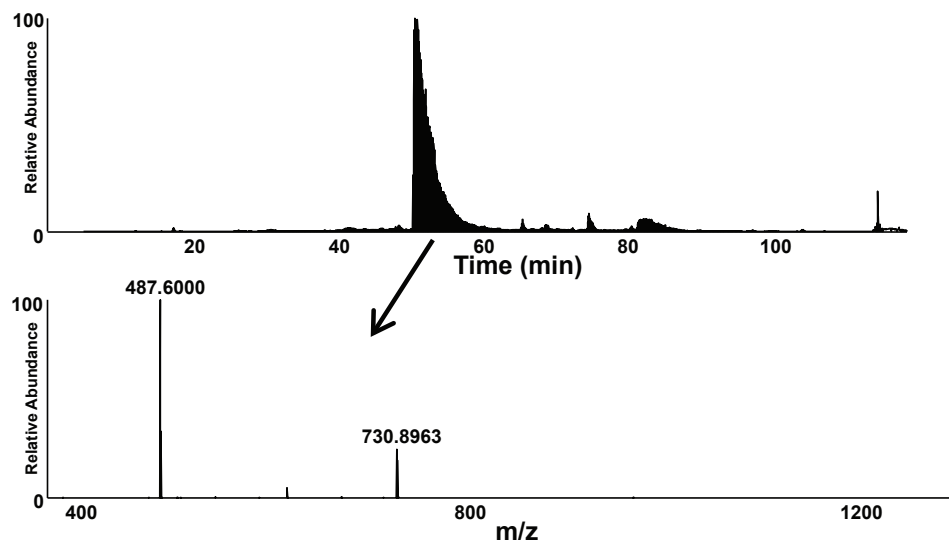
The authors declare no conflict of interest.

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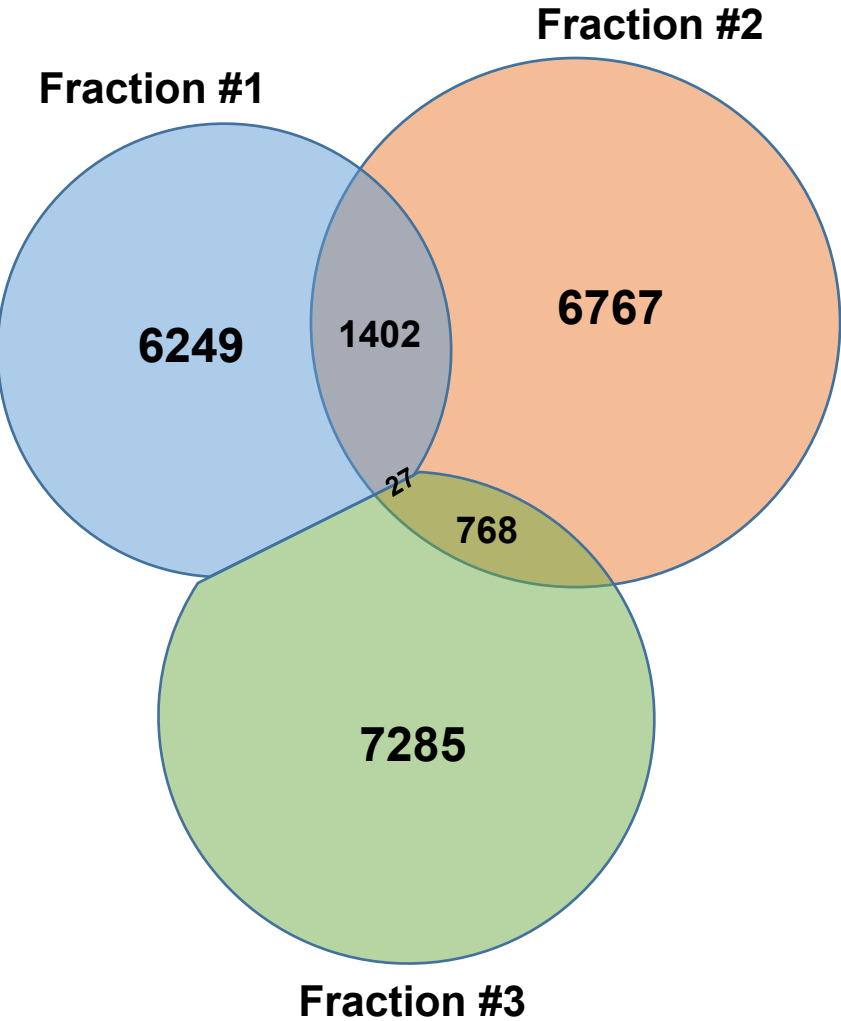
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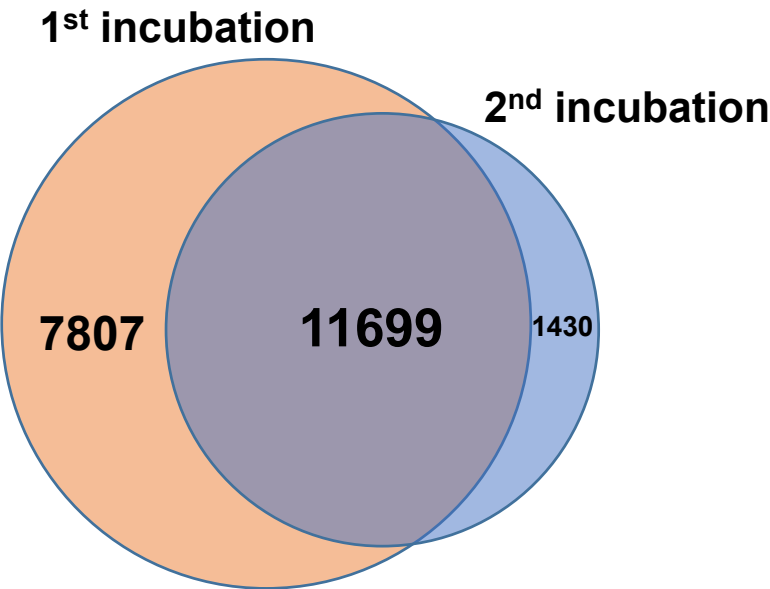
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A)**B)**

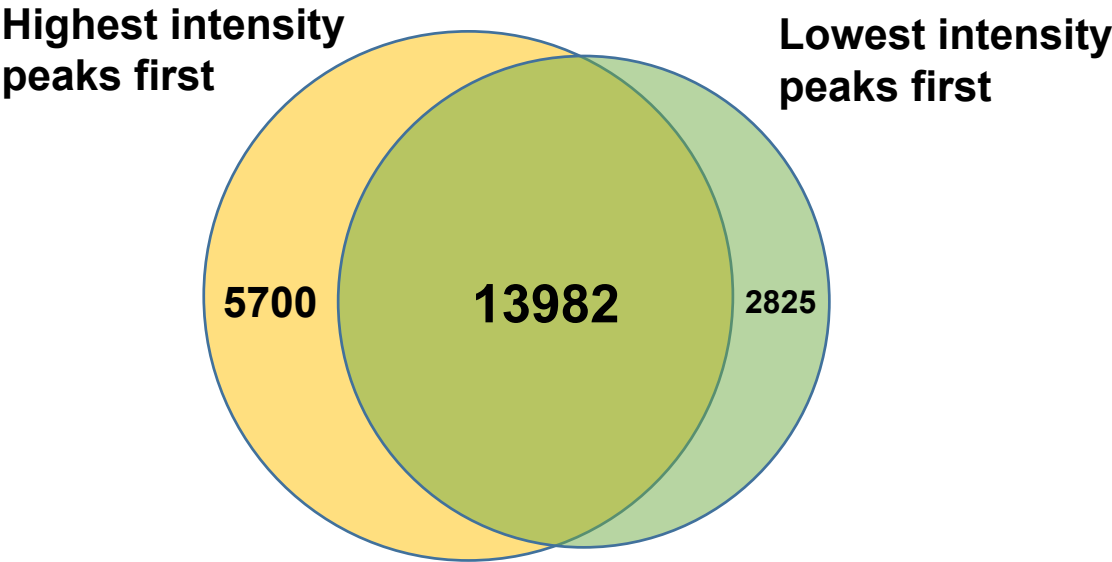
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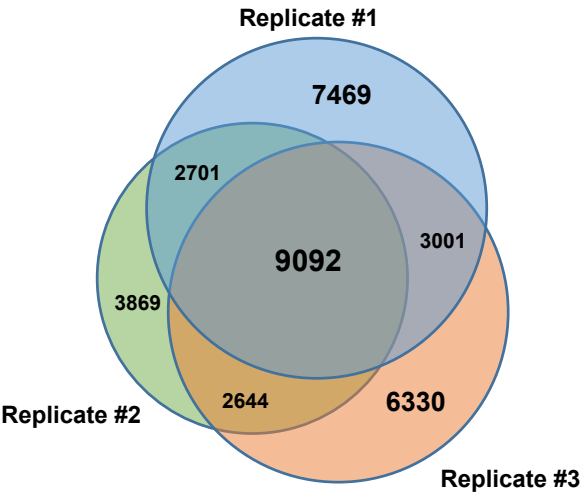


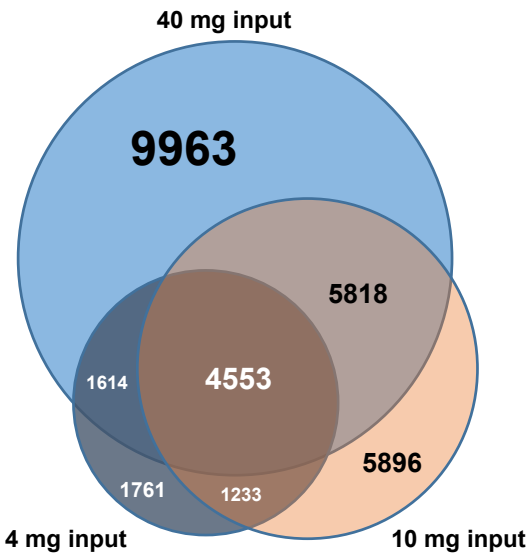
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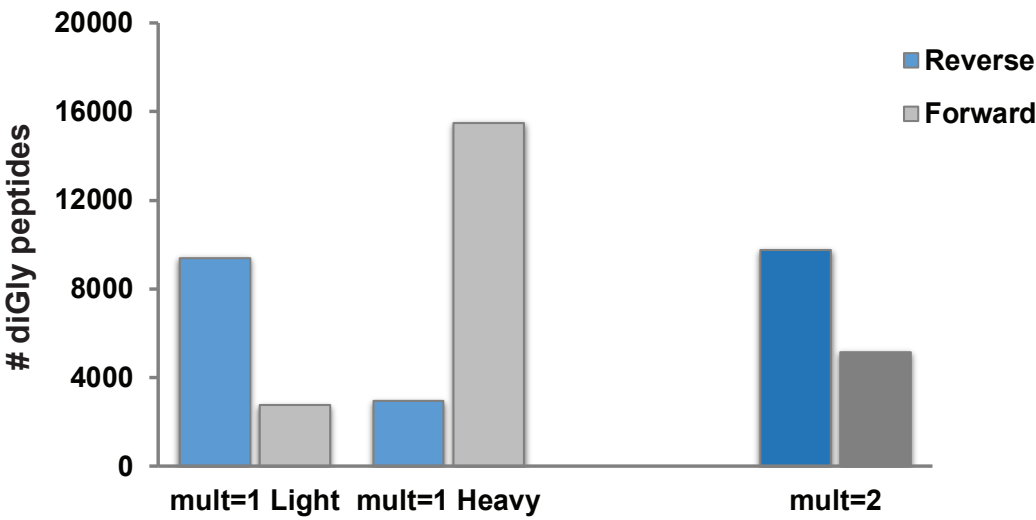
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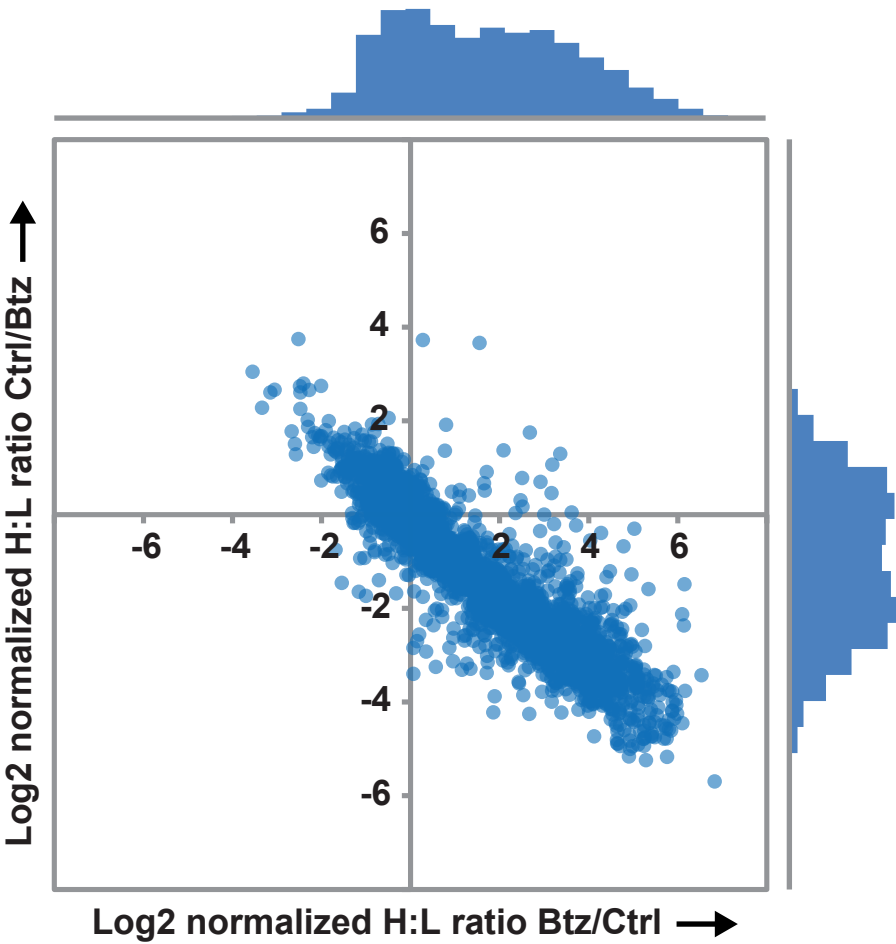




A)



B)



Condition	Amount of input material (mg)
Untreated HeLa cells	10
Proteasome inhibitor treated HeLa cells	1
	2
	10
	20
	40
Tissue (mouse brain)	30

Expected number of identified diGly peptides

7,500

2,500

5,000

15,000

20,000

>25,000

>10,000

Name of Material/ Equipment	Company	Catalog Number
1,4-Dithioerythritol	Sigma-Aldrich	D8255
3M Empore C18 Octadecyl disks	Supelco	66883-U
Ammonium formate	Sigma-Aldrich	70221
Bortezomib	UBPbio	
CSH130 resin, 3.5 μm , 130 $\text{\AA}$	Waters	
Dimethylsulfoxide (DMSO)	Sigma-Aldrich	34869
DMEM	ThermoFisher	
EASY-nanoLC 1200	ThermoFisher	
FBS	Gibco	
GF/F filter plug	Whatman	1825-021
Iodoacetamide	Sigma-Aldrich	I6125
Lysine, Arginine	Sigma-Aldrich	
Lysine-8 ($^{13}\text{C}_6$; $^{15}\text{N}_2$), Arginine-10 ($^{13}\text{C}_6$; $^{15}\text{N}_4$)	Cambridge Isotope Laboratories	
Lysyl Endopeptidase(LysC)	Wako Pure Chemicals	129-02541
NanoLC oven	MPI design, MS Wil GmbH	
N-Lauroylsarcosine sodium salt	Sigma-Aldrich	L-5125
Orbitrap Fusion Lumos mass spectrometer	ThermoFisher	
Pierce BCA Protein Assay Kit	ThermoFisher / Pierce	23225
PLRP-S (300 $\text{\AA}$, 50 μm) polymeric reversed phase particles	Agilent Technologies	PL1412-2K01
PTMScan Ubiquitin Remnant Motif (K- ϵ -GG) Kit	Cell Signaling Technologies	5562
Sep-Pak tC18 6 cc Vac Cartridge	Waters	WAT036790
Sodium deoxycholate	Sigma-Aldrich	30970
Tris-base	Sigma-Aldrich	T6066
Tris-HCl	Sigma-Aldrich	T5941
Trypsin, TPCK Treated	ThermoFisher	20233

Comments/Description

product discontinued at Supelco; CDS Analytical is the new manufacturer (<https://www.cdsanalytical.com/empore>)

Remove the tC18 material from the cartridge before filling the cartridge with PLRP-S

From: Dr. Jeroen A.A. Demmers
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j.demmers@erasmusmc.nl

To: Dr. Phillip Steindel
Review Editor *JoVE*

Rotterdam, 4th December 2019

Dear Dr. Steindel,

Thank you for your letter and the positive reviewers' reports of our manuscript entitled "*Detection of ubiquitination sites in proteins by peptide enrichment and mass spectrometry*", authored by Karel Bezstarosti, Lennart van der Wal and Jeroen A. A. Demmers (JoVE59079). I am grateful for the suggestions proposed by the reviewers and I feel that the revisions make the manuscript both stronger and better readable. Please find below the detailed point-to-point replies to their questions and suggestions. Also, the manuscript has been edited in such a way that there is no textual more overlap to previously published reports.

I have enclosed two versions of the revised manuscript: one clean version and one version with all the changes that were made indicated (track changes).

Briefly, we describe significant improvements to methods for the purification and detection of K- ϵ -diglycine (diGly) containing peptides that result from tryptic analysis of ubiquitinated proteins. The use of immunopurification of diGly peptides and mass spectrometry to identify sites of ubiquitination has resulted in an explosion of the number of identified sites over the past five years. Thanks to the improvements described here, we can now routinely detect over 23,000 diGly modified peptides from a single HeLa lysate sample. We show the efficacy of this strategy for proteins from lysates of both non-labeled and metabolically labeled (SILAC) human cell lines and from endogenous *in vivo* samples. This study presents a valuable addition to the toolbox for ubiquitination site analysis to uncover the deep ubiquitinome. A detailed description of the protocol and visualization of experimental details will be helpful to *JoVE* readers and viewers who wish to study posttranslational modification by mass spectrometry.

The manuscript is accompanied by five figures, one more than in the previous version, as suggested by both referees. Parts of the results described in this manuscript and of the accompanying data have been published in the *Journal of Proteomics*. We have made the appropriate references in the manuscript.

Thank you for taking this submission into consideration – my apologies for the delay. I look forward to hearing from you.

Yours sincerely,



Dr. Jeroen A.A. Demmers

Point-to-point replies to the editorial and the reviewers' comments

Editorial comments

We have adapted the manuscript and solved all the issues that were raised.

General:

1. Done.
2. Done.
3. All commercial language was removed from the manuscript and moved to the Materials & Reagents Table.

Protocol:

1. We have scrutinized the protocol text and converted it into a better readable protocol with a logical sequence of steps and sub-steps.

Figures and tables:

1. 'Supplementary Table 5' was renamed to 'Supplementary Table 1'.
2. Figures are now uploaded separately and the titles (i.e. 'FIGURE ...') were removed from the figures themselves.
3. Explicit copyright permission was obtained. Appropriate editor letters are submitted with this manuscript.

References:

1. Only full journal titles are used now.

Table of Materials:

1. The table was updated and completed.

Reviewer #1 comments

We are happy with the positive report of the reviewer and thank him/her for the feedback. Below, we will reply in detail to all questions raised.

Major concerns

1. We have used proteasome inhibitors to increase the number of diGly peptides and ubiquitination sites in order to develop and optimize a robust protocol for the enrichment and detection of such modified peptides. The incubation time was optimized to maximize the number of ubiquitination events, while keeping the cells alive. We – and others - have observed that longer periods (>16 h) of proteasome inhibition result in the upregulation of apoptotic proteins and subsequent cell death (e.g., Sap, et al., Journal of Proteome Research, 2017).

In another study, we have observed that subtle perturbations of the UPS system (e.g. knocking down a single DUB) results in only subtle modulation of the ubiquitinome (*unpublished results*). Apparently, the effects of proteasome inhibition on the UPS and the ubiquitinome are so dramatic that subtler changes imposed by e.g. a single knockdown could easily be masked. For this reason, we have chosen *not* to use proteasome inhibitors to accumulate putative targets in such knockdown assays, but to perform the sample preparation steps as quickly as possible to avoid side effects by ligase or DUB activity during these steps. Immediate cell lysis by urea or detergent containing lysis buffers should denature proteins rapidly and stop DUB activity.

We do not have experience with the PROTAC system ourselves and cannot judge whether proteasome inhibitors would be useful here.

2. The reviewer is right in that the information about the expected outcome is somewhat scattered throughout the manuscript. In order to clarify this, we have now included a short table of expected numbers of diGly peptide identifications based on the amount of starting material (mg of dry protein) when using the described protocol, i.e. **Table 1** in the manuscript (copied below). The numbers in this table are based on large numbers of replicate analyses performed in our laboratory.

Table 1

Sample, condition	Amount of input material (mg)	Expected number of identified diGly peptides
Untreated HeLa cells	10	7,500
Proteasome inhibitor treated HeLa cells	1	2,500
	2	5,000
	10	15,000
	20	20,000
	40	>25,000
Tissue (mouse brain)	30	>10,000

3. We agree with the reviewer that the information in the original Figure 2 is somewhat scattered and unclear. Therefore, we have decided to re-analyze the source data and to generate a completely novel Figure 2, which now consists of several Venn diagrams based on the very same data set as the previous Figure 2 and including some additional information. We feel that this Figure is clearer to the reader and that the reader is now better of capable to judge to what extent the different steps in the process are useful.
4. We have included a paragraph on the use of diGly enrichment in combination with multiplexing (TMT labeling) for quantitative purposes, as well as a reference to pioneering work of the Gygi Lab. We agree with the Reviewer that this is a very powerful approach. In fact, we have introduced this method in our own work recently and obtained similar results to the ones published. This is work in progress in our lab and will hopefully soon be published in a separate paper.
5. We have investigated the use of DUB inhibitors such as *N*-ethylmaleimide (NEM), etc. and included these in the past in our sample prep assays. However, we have later decided to leave them out, since the cell lysis using urea or DOC based lysis buffers is fast and proteins are quickly denatured *and* because these inhibitors introduce modifications to proteins, which complicates the identification of peptides during data analysis. We have added a remark on the use of inhibitors in the protocol (section 1.1.5).
6. The choice of splitting beads up into three fractions is merely a practical one: it is difficult to pipette very small amounts of beads slurry, since beads stick to the walls of the plastic tube. Handling one sixth of the original amount of beads slurry was doable, but smaller fractions were too difficult to handle. We suspect that more extensive fractionation would result in higher numbers of identified diGly peptides. This would however imply that more than batch (we use a 'batch' as defined by the

manufacturer) of beads would be needed and this is undesirable, not in the least place from a cost perspective.

It should be noted that this is a fractionation of the cell lysate *before* enrichment. Upon enrichment, we do not expect the diGly peptide mixtures to be that complex that extensive fractionation is needed at that stage, especially when using mass spectrometers with high duty cycles.

Minor concern

1. The company CDS Analytical (<https://www.cdsanalytical.com/>) has only this year acquired the right to Empore products. According to the company's website, Empore products are now for sale. We have added the company's name to the Table of Materials.

Reviewer #2 comments

This reviewer is very positive and recommends the article for publication. Below, we will reply to his/her minor concerns.

Minor concerns

Line 52: The terminology was adapted, to clarify the difference between ‘branched’ and ‘mixed’ polyubiquitin chains.

Line 57: Brackets were removed.

Lines 53-58: Several sentences were added in the Introduction section to clarify the methods to study polyubiquitin chain topologies and two references that describe pioneering studies in this direction were included.

Line 121: The phrase was removed.

Line 134: The procedure was clarified.

Line 165: The procedure was clarified.

Line 195: A sentence break was introduced.

Line 195: The description of the “lowest intensity peaks first” method was clarified.

Line 217: A description of the use of decoy and contaminants databases by MaxQuant was added.

Line 223: A description of follow-up data analysis using Perseus was already listed in L 252/253.

Line 271: We agree with the Reviewer that the original Figure 2 was not sufficiently clear. Therefore, we have completely restructured this Figure by replacing the original bar graphs for Venn diagrams. We feel that the current Figure is of much more value to the readers than the previous one.

Line 298: First, we want to stress that we do not criticize the software nor its developers in any way. On the contrary: we are very grateful that a great software tool like this is made publicly available. Also, we agree with the Reviewer that the MaxQuant software is in most cases unbiased for the isotopic state of the search space. We noticed, however, that there are some issues when diGly peptides are only present as their heavy counterpart while the light counterpart is completely absent. We don’t think that this is a result of the culturing conditions (as suggested by the Reviewer), but do think that it could be caused by the occurrence of “double” modifications, i.e. heavy stable isotopes in Lysine *and* a diGly moiety on that same Lysine residue.

We have included evidence for this phenomenon both in the text, in **Figure 5** and in **Supplementary Table 1**. Most notably, we have compared MQ database searches with ‘multiplicity = 1’ (non-SILAC condition) and ‘multiplicity = 2’ (SILAC condition) and identified not a single diGly peptide that had intensity = 0 in the light channel but non-zero intensity in the heavy channel. At the same time though, thousands of diGly peptides with a heavy SILAC label were identified in the ‘multiplicity = 1’ search, while their light counterparts were not identified at all.

Since this issue may cause substantial differences in numbers of identified diGly under some conditions, we chose to describe them here, most importantly to explain to the reader that the reason for these lower numbers is *not* a consequence of the sample prep or mass spectrometry analysis procedure.

Line 308: The proposed change was made.

General comment: We have investigated the use of DUB inhibitors such as *N*-ethylmaleimide (NEM), etc. and included these in the past in our sample prep assays. However, we have later decided to leave them out, since the cell lysis using urea or DOC containing lysis buffers is fast and proteins are quickly denatured *and* because these inhibitors introduce modifications to proteins, which complicates the identification of peptides during data analysis. We have added a remark on the use of inhibitors in the protocol (section 1.1.5).

Your MS Excel document "Supplementary Table 1.xlsx" cannot be opened and processed. Please see the common list of problems, and suggested resolutions below.

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If you are submitting an Excel file, please make sure that your document does not have links to external data. If it does, break the links, save the document and resend. To break the links please do the following.

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**Sequence**

AAAASAAEAGIATPGTEDSDDALLKMTINQQEFGR
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AAADLMAYCEAHAKEDPLLTPVPASENPFR
AAAELLQSQGSQAGGSQTLKR
AAAFEQLQKWK
AAAGEIYNKCPPNASGSASR
AAAKCLDAVVSTR
AAALLMLTKSVDFVK
AAALSLSTLASPKGGSGTAGTEPSDIIPLR
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YYTSASGDEMVSCLKDYCTR

Modifications	Mass
GlyGly (K)	3633.7217
GlyGly (K)	3397.6071
Oxidation (M);GlyGly (K)	3413.602
GlyGly (K)	2214.1353
GlyGly (K)	1432.7463
GlyGly (K)	2247.0702
GlyGly (K)	1474.7562
GlyGly (K)	1719.9593
GlyGly (K)	3064.6404
Acetyl (Protein N-term);GlyGly (K)	1932.8847
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GlyGly (K)	1205.6404
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Acetyl (Protein N-term);GlyGly (K)	2201.0448
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GlyGly (K)	1787.8901
GlyGly (K)	2670.3865
GlyGly (K)	1588.8573
Acetyl (Protein N-term);GlyGly (K)	1473.7423
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GlyGly (K)	1709.8771
GlyGly (K)	1306.6551
GlyGly (K)	1917.9796
2 GlyGly (K)	2032.0225
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GlyGly (K)	1496.8311
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GlyGly (K)	2637.2646
GlyGly (K)	1275.6935
GlyGly (K)	1370.7419
GlyGly (K)	1643.9247
GlyGly (K)	2089.2008
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GlyGly (K)	1300.7099
Acetyl (Protein N-term);GlyGly (K)	1204.6452
GlyGly (K)	969.59712
GlyGly (K)	1683.8792
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Oxidation (M);GlyGly (K)	3908.9255
GlyGly (K)	3892.9306
Acetyl (Protein N-term);GlyGly (K)	1637.8485
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GlyGly (K)	1801.9686
2 GlyGly (K)	3015.5738
GlyGly (K)	2322.2042
GlyGly (K)	1336.6987
GlyGly (K)	2366.1536
Acetyl (Protein N-term);GlyGly (K)	1731.938
Acetyl (Protein N-term);GlyGly (K)	2494.1976
Acetyl (Protein N-term);2 GlyGly (K)	2736.3355
Acetyl (Protein N-term);GlyGly (K)	2622.2926
Acetyl (Protein N-term);GlyGly (K)	2156.1338
GlyGly (K)	1220.6149
Acetyl (Protein N-term);GlyGly (K)	1676.8846
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Oxidation (M);GlyGly (K)	1873.9502
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GlyGly (K)	2969.3738
GlyGly (K)	1939.8694
Oxidation (M);GlyGly (K)	1955.8643
GlyGly (K)	1784.8541
Acetyl (Protein N-term);GlyGly (K)	2185.0552
GlyGly (K)	2008.0048
GlyGly (K)	3043.4986
GlyGly (K)	1606.7807
GlyGly (K)	3019.4272
GlyGly (K)	1946.0585
Acetyl (Protein N-term);GlyGly (K)	1981.8899
Acetyl (Protein N-term);GlyGly (K)	1228.6663
Acetyl (Protein N-term);GlyGly (K)	1707.8403
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GlyGly (K)	2278.9915
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GlyGly (K)	3125.3086
Acetyl (Protein N-term);GlyGly (K)	1298.6943
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GlyGly (K)	1703.8665
Acetyl (Protein N-term);GlyGly (K)	2036.0902

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Acetyl (Protein N-term);GlyGly (K)	1201.7183
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Oxidation (M);GlyGly (K)	2645.2425
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2 GlyGly (K)	2290.1666
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Acetyl (Protein N-term);GlyGly (K)	1709.8373
Acetyl (Protein N-term);GlyGly (K)	2171.0859
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Acetyl (Protein N-term);GlyGly (K)	1888.8803
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Acetyl (Protein N-term);GlyGly (K)	1768.9319
GlyGly (K)	3275.686
GlyGly (K)	2420.266
GlyGly (K)	2734.425

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GlyGly (K)	3407.746
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Acetyl (Protein N-term);GlyGly (K)	2547.3068
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Acetyl (Protein N-term);GlyGly (K)	1691.7429
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Oxidation (M);GlyGly (K)	3145.4445
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Acetyl (Protein N-term);GlyGly (K)	3502.6628
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Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1749.839
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Acetyl (Protein N-term);GlyGly (K)	1777.837
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Acetyl (Protein N-term);GlyGly (K)	1597.8312
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Acetyl (Protein N-term);GlyGly (K)	2458.1361
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GlyGly (K)	1998.9858
GlyGly (K)	1314.7143
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GlyGly (K)	1469.682
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Acetyl (Protein N-term);GlyGly (K)	2804.4444
Acetyl (Protein N-term);GlyGly (K)	3544.8261
Acetyl (Protein N-term);GlyGly (K)	1998.0092
GlyGly (K)	1947.9095
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GlyGly (K)	2943.3846
GlyGly (K)	2931.3523
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Acetyl (Protein N-term);GlyGly (K)	2956.3151
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Acetyl (Protein N-term);GlyGly (K)	1848.8458
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Acetyl (Protein N-term);GlyGly (K)	1229.6252
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Oxidation (M);GlyGly (K)	2568.2391
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GlyGly (K)	2154.0957
Acetyl (Protein N-term);2 GlyGly (K)	2264.1549
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GlyGly (K)	1954.0789
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GlyGly (K)	2159.1335
Acetyl (Protein N-term);GlyGly (K)	2430.2689
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GlyGly (K)	2317.0306
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GlyGly (K)	1852.8989
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GlyGly (K)	1431.714
GlyGly (K)	2328.2173
Acetyl (Protein N-term);GlyGly (K)	1312.7099
GlyGly (K)	1355.7773
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3 GlyGly (K)	2220.0593
GlyGly (K)	2115.0558
GlyGly (K)	1301.6688
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GlyGly (K)	1927.9244
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Acetyl (Protein N-term);GlyGly (K)	2270.1067
GlyGly (K)	1900.9795
GlyGly (K)	2029.0745
GlyGly (K)	2122.9614
GlyGly (K)	2419.1179
GlyGly (K)	2803.3301
GlyGly (K)	1981.9858
GlyGly (K)	3245.5894
Acetyl (Protein N-term);GlyGly (K)	1301.6939
GlyGly (K)	1382.8147
GlyGly (K)	1586.8628
GlyGly (K)	2050.0385
GlyGly (K)	1308.6939
Acetyl (Protein N-term);GlyGly (K)	1108.5989
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GlyGly (K)	2016.9469
Oxidation (M);GlyGly (K)	2032.9419
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GlyGly (K)	1137.6255
GlyGly (K)	1893.0261
GlyGly (K)	1526.759
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GlyGly (K)	1837.972
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2 GlyGly (K)	2612.4034
GlyGly (K)	2381.2187
GlyGly (K)	3025.484
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GlyGly (K)	4353.2387
GlyGly (K)	2403.1927
GlyGly (K)	1725.8252
GlyGly (K)	2239.2536
GlyGly (K)	2483.2081
GlyGly (K)	1569.8111
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GlyGly (K)	1208.6401
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GlyGly (K)	1299.7147
GlyGly (K)	2240.0921
GlyGly (K)	1393.666
GlyGly (K)	1317.6717
GlyGly (K)	1580.8345
Oxidation (M);GlyGly (K)	1596.8294
GlyGly (K)	1580.7947
GlyGly (K)	2231.0818
GlyGly (K)	2635.2912
GlyGly (K)	950.56615
GlyGly (K)	3153.6095
GlyGly (K)	1520.7623
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GlyGly (K)	1210.7146
GlyGly (K)	3031.5682

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GlyGly (K)	1593.7423
GlyGly (K)	2281.2179
GlyGly (K)	1129.6204
GlyGly (K)	2251.206
GlyGly (K)	2777.4196
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GlyGly (K)	1544.8093
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GlyGly (K)	1510.7715
GlyGly (K)	1579.8431
GlyGly (K)	1709.7897
GlyGly (K)	2307.207
GlyGly (K)	1407.7583
GlyGly (K)	4142.0895
GlyGly (K)	1701.8178
Acetyl (Protein N-term);2 GlyGly (K)	1557.8475
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GlyGly (K)	1675.7633
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GlyGly (K)	2503.3646
GlyGly (K)	1495.8974
GlyGly (K)	1497.7536
GlyGly (K)	1686.8173
GlyGly (K)	1325.698
GlyGly (K)	2367.2533
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GlyGly (K)	1693.8709
GlyGly (K)	2252.2488
GlyGly (K)	1945.0269
GlyGly (K)	1614.8213
GlyGly (K)	2694.2014
GlyGly (K)	2537.2068
GlyGly (K)	1956.9397
GlyGly (K)	1389.7504
GlyGly (K)	1122.5492
GlyGly (K)	2392.1911
GlyGly (K)	1452.7361
GlyGly (K)	1439.7773
GlyGly (K)	2350.1693
GlyGly (K)	2394.1703
GlyGly (K)	3064.6153
GlyGly (K)	2095.0586

GlyGly (K)	1529.795
GlyGly (K)	1146.6146
2 GlyGly (K)	1869.0108
GlyGly (K)	1518.7791
GlyGly (K)	1236.6575
GlyGly (K)	1520.7736
Acetyl (Protein N-term);GlyGly (K)	1263.6394
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1279.6343
GlyGly (K)	1306.6921
GlyGly (K)	1347.7147
2 GlyGly (K)	1949.9919
GlyGly (K)	1128.5887
GlyGly (K)	2114.1524
GlyGly (K)	1198.6029
GlyGly (K)	2196.2015
GlyGly (K)	3211.6877
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1550.8603
GlyGly (K)	2486.128
GlyGly (K)	1868.9704
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Acetyl (Protein N-term);GlyGly (K)	1663.7988
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GlyGly (K)	2825.5651
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GlyGly (K)	1403.7773
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GlyGly (K)	1427.7442
GlyGly (K)	1866.9622
GlyGly (K)	1284.6939
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GlyGly (K)	1173.687
2 GlyGly (K)	1464.7797
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Acetyl (Protein N-term);GlyGly (K)	1009.592
Oxidation (M);GlyGly (K)	3686.7595
GlyGly (K)	3670.7646
GlyGly (K)	2459.3067
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Oxidation (M);GlyGly (K)	2509.0784
GlyGly (K)	2493.0835
GlyGly (K)	1864.9578
GlyGly (K)	1381.7929
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GlyGly (K)	2046.9793
GlyGly (K)	2042.9545
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GlyGly (K)	2718.4413
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GlyGly (K)	1929.9545
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Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	2007.9935
Acetyl (Protein N-term);GlyGly (K)	1991.9986
GlyGly (K)	1612.8784
Acetyl (Protein N-term);GlyGly (K)	2121.0412
GlyGly (K)	1467.7794
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GlyGly (K)	2058.111
GlyGly (K)	2514.2714
Acetyl (Protein N-term);GlyGly (K)	1725.7516
GlyGly (K)	1391.7773
GlyGly (K)	1128.6615
GlyGly (K)	2233.0247
GlyGly (K)	2056.178
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Acetyl (Protein N-term);GlyGly (K)	1115.5823
GlyGly (K)	1306.7034
2 GlyGly (K)	1874.9123
Acetyl (Protein N-term);GlyGly (K)	1384.7562
GlyGly (K)	1514.8668
2 GlyGly (K)	2126.1695
Acetyl (Protein N-term);GlyGly (K)	2143.0909
Acetyl (Protein N-term);GlyGly (K)	1139.655
Oxidation (M);2 GlyGly (K)	1508.6963
GlyGly (K)	1801.9058
GlyGly (K)	3266.4851
GlyGly (K)	1583.8308
GlyGly (K)	2340.1168
GlyGly (K)	1638.8941
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Acetyl (Protein N-term);GlyGly (K)	2859.1786
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Acetyl (Protein N-term);GlyGly (K)	1940.0076
Acetyl (Protein N-term);GlyGly (K)	1954.0232
GlyGly (K)	1566.7712
Acetyl (Protein N-term);GlyGly (K)	1501.7624
Acetyl (Protein N-term);GlyGly (K)	1657.8635
GlyGly (K)	1365.6888
Acetyl (Protein N-term);GlyGly (K)	1843.9904

GlyGly (K)	1803.788
Acetyl (Protein N-term);GlyGly (K)	1579.7842
GlyGly (K)	2968.5142
Acetyl (Protein N-term);GlyGly (K)	1773.8493
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1901.8901
Acetyl (Protein N-term);GlyGly (K)	1885.8952
GlyGly (K)	1665.8686
GlyGly (K)	1349.6497
Oxidation (M);GlyGly (K)	1365.6446
2 GlyGly (K)	2348.1642
Acetyl (Protein N-term);GlyGly (K)	1238.6143
Acetyl (Protein N-term);2 GlyGly (K)	1611.7927
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Acetyl (Protein N-term);GlyGly (K)	1345.6838
Acetyl (Protein N-term);GlyGly (K)	2498.2136
GlyGly (K)	1277.6728
GlyGly (K)	1761.8282
Acetyl (Protein N-term);GlyGly (K)	2899.4047
Acetyl (Protein N-term);2 GlyGly (K)	3013.4476
Acetyl (Protein N-term);2 GlyGly (K)	3553.8111
Acetyl (Protein N-term);3 GlyGly (K)	3667.8541
GlyGly (K)	1552.7886
GlyGly (K)	3227.6409
GlyGly (K)	1791.94
GlyGly (K)	1452.83
GlyGly (K)	1686.8287
GlyGly (K)	1774.9842
Acetyl (Protein N-term);GlyGly (K)	1448.7511
GlyGly (K)	1869.0207
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GlyGly (K)	2461.3039
Oxidation (M);GlyGly (K)	1696.8342
GlyGly (K)	1728.7849
GlyGly (K)	2743.3487

Oxidation (M);GlyGly (K)	2759.3436
GlyGly (K)	3088.5611
GlyGly (K)	3170.5051
GlyGly (K)	1954.012
GlyGly (K)	1483.8035
Acetyl (Protein N-term);GlyGly (K)	1815.885
Oxidation (M);GlyGly (K)	4016.083
GlyGly (K)	4000.0881
GlyGly (K)	1860.0145
GlyGly (K)	3176.4534
Acetyl (Protein N-term);GlyGly (K)	1176.5775
GlyGly (K)	1799.9377
GlyGly (K)	1677.9414
GlyGly (K)	1806.0363
GlyGly (K)	2408.2547
GlyGly (K)	2556.2867
Acetyl (Protein N-term);GlyGly (K)	1468.7634
Acetyl (Protein N-term);GlyGly (K)	2613.365
GlyGly (K)	2453.2398
GlyGly (K)	2272.0455
GlyGly (K)	2534.3188
Acetyl (Protein N-term);GlyGly (K)	1511.8308
Acetyl (Protein N-term);GlyGly (K)	1199.651
GlyGly (K)	1377.7439
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GlyGly (K)	1560.8107
GlyGly (K)	2178.0441
Acetyl (Protein N-term);GlyGly (K)	3217.5085
GlyGly (K)	1259.6986
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GlyGly (K)	1642.8638
Oxidation (M);GlyGly (K)	2972.317
GlyGly (K)	2956.3221
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GlyGly (K)	1641.7967
Oxidation (M);GlyGly (K)	1657.7916
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GlyGly (K)	4500.1591
GlyGly (K)	1692.8869
GlyGly (K)	1451.8096
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GlyGly (K)	1372.7384
GlyGly (K)	1660.8277
Acetyl (Protein N-term);GlyGly (K)	1440.7936

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GlyGly (K)	1240.7139
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GlyGly (K)	2743.3083
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2 GlyGly (K)	1860.9806
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GlyGly (K)	2688.278
GlyGly (K)	1168.6241
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GlyGly (K)	1562.7545
GlyGly (K)	1691.8479
GlyGly (K)	1673.8485

GlyGly (K)	1642.8638
Acetyl (Protein N-term);GlyGly (K)	1168.6564
Acetyl (Protein N-term);GlyGly (K)	1875.0466
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GlyGly (K)	1370.683
GlyGly (K)	3269.3698
GlyGly (K)	1393.6626
GlyGly (K)	3528.6865
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GlyGly (K)	3116.5448
2 GlyGly (K)	3230.5878
Acetyl (Protein N-term);GlyGly (K)	2018.0082
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2 GlyGly (K)	2027.0364
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GlyGly (K)	1606.8389
GlyGly (K)	2520.1115
GlyGly (K)	2676.2126
GlyGly (K)	3189.638
GlyGly (K)	1389.6637
GlyGly (K)	1950.9211
GlyGly (K)	1770.8103
GlyGly (K)	1945.0058
GlyGly (K)	1614.7274
GlyGly (K)	1889.873
GlyGly (K)	3391.5384
Oxidation (M);GlyGly (K)	3407.5333
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GlyGly (K)	3392.71
GlyGly (K)	1363.7096
GlyGly (K)	2210.9837
2 Oxidation (M);GlyGly (K)	2242.9736
Oxidation (M);GlyGly (K)	2226.9786
GlyGly (K)	2655.2969
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Oxidation (M);GlyGly (K)	2490.171
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GlyGly (K)	2097.9942
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GlyGly (K)	1821.9156
GlyGly (K)	2250.0375
GlyGly (K)	1530.7573
GlyGly (K)	1884.8281
GlyGly (K)	2216.0817
Oxidation (M);GlyGly (K)	2232.0766
GlyGly (K)	3056.539
GlyGly (K)	3029.5281
GlyGly (K)	2009.8355
GlyGly (K)	1434.6708
GlyGly (K)	2960.3532
GlyGly (K)	1847.7641
GlyGly (K)	1433.7184
GlyGly (K)	2096.9659
Acetyl (Protein N-term);GlyGly (K)	1482.6636
Acetyl (Protein N-term);GlyGly (K)	2353.0719
GlyGly (K)	2212.0834
GlyGly (K)	2048.9084
GlyGly (K)	1584.8294
Oxidation (M);GlyGly (K)	1580.6316
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GlyGly (K)	1892.9223
GlyGly (K)	1853.8652
GlyGly (K)	1361.6861
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2 GlyGly (K)	3177.3801
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GlyGly (K)	2661.166
GlyGly (K)	2164.0517
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GlyGly (K)	3177.4279
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GlyGly (K)	2660.2588
GlyGly (K)	2495.1573
GlyGly (K)	2490.142
GlyGly (K)	2646.2431
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Oxidation (M);GlyGly (K)	1608.7964
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Oxidation (M);GlyGly (K)	1669.7188
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Oxidation (M);2 GlyGly (K)	2654.4023
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Oxidation (M);GlyGly (K)	2914.3524
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Oxidation (M);GlyGly (K)	2354.993
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GlyGly (K)	2084.0473
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Acetyl (Protein N-term);GlyGly (K)	1753.7764
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Oxidation (M);GlyGly (K)	4118.8305
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Oxidation (M);GlyGly (K)	2736.4051
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GlyGly (K)	2010.9469
GlyGly (K)	1748.8403
GlyGly (K)	1997.9404
Acetyl (Protein N-term);GlyGly (K)	2892.2654
GlyGly (K)	2059.0222
Oxidation (M);GlyGly (K)	1743.7192
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Oxidation (M);2 GlyGly (K)	2016.931

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Oxidation (M);GlyGly (K)	2556.2126
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Oxidation (M);GlyGly (K)	1832.8073
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Oxidation (M);GlyGly (K)	2370.0699
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GlyGly (K)	1510.8104
GlyGly (K)	1806.8782
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2 GlyGly (K)	2167.1372
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2 GlyGly (K)	3510.8094
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GlyGly (K)	1418.7769
GlyGly (K)	1929.9895
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Oxidation (M);GlyGly (K)	2812.3225
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Oxidation (M);GlyGly (K)	3805.7775
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Oxidation (M);4 GlyGly (K)	1946.9844
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2 GlyGly (K)	1900.8915
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Oxidation (M);GlyGly (K)	1615.8603
GlyGly (K)	1599.8654
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Oxidation (M);GlyGly (K)	1771.9615
GlyGly (K)	2077.048
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GlyGly (K)	2615.2021
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GlyGly (K)	1265.7092
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GlyGly (K)	1648.8784
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GlyGly (K)	2008.0742
GlyGly (K)	1347.6089
Oxidation (M);GlyGly (K)	1363.6038
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Oxidation (M);GlyGly (K)	1739.8764
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GlyGly (K)	1587.8104
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Oxidation (M);GlyGly (K)	2008.0412
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GlyGly (K)	2976.4213
GlyGly (K)	1957.8977
GlyGly (K)	2424.1921
GlyGly (K)	2065.0956
GlyGly (K)	2042.9368
2 GlyGly (K)	2806.2803
Oxidation (M);GlyGly (K)	2325.0956
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Acetyl (Protein N-term);GlyGly (K)	1900.8439
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Acetyl (Protein N-term);GlyGly (K)	2948.328
Oxidation (M);GlyGly (K)	2298.1162
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Oxidation (M);GlyGly (K)	2510.2338
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GlyGly (K)	1854.9047
GlyGly (K)	2428.2156
Oxidation (M);GlyGly (K)	2444.2105
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GlyGly (K)	2823.3886
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Oxidation (M);GlyGly (K)	1880.9554
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Acetyl (Protein N-term);2 GlyGly (K)	1415.7229

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2 Oxidation (M);GlyGly (K)	1810.8594
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Oxidation (M);GlyGly (K)	2983.3692
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Oxidation (M);GlyGly (K)	2063.9074
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Oxidation (M);GlyGly (K)	3058.5533
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Oxidation (M);GlyGly (K)	1439.7384
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Oxidation (M);GlyGly (K)	2123.0834
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Oxidation (M);GlyGly (K)	1868.9051
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Oxidation (M);GlyGly (K)	2317.1988
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Oxidation (M);GlyGly (K)	1796.8978
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GlyGly (K)	2567.1816
GlyGly (K)	2457.082
GlyGly (K)	1401.7464
Acetyl (Protein N-term);GlyGly (K)	1784.8581
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GlyGly (K)	1927.9487
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GlyGly (K)	2119.095
GlyGly (K)	1716.9675
GlyGly (K)	3357.5572
Oxidation (M);GlyGly (K)	3373.5521
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GlyGly (K)	2136.0236
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GlyGly (K)	1568.8774
Acetyl (Protein N-term);GlyGly (K)	2009.9477
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	2025.9426
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	2241.0233
Acetyl (Protein N-term);GlyGly (K)	2225.0284
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1833.7588
Acetyl (Protein N-term);GlyGly (K)	1817.7639
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GlyGly (K)	1781.9523
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GlyGly (K)	1706.8046
GlyGly (K)	2443.1472
Oxidation (M);GlyGly (K)	2459.1421
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GlyGly (K)	2475.1626
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GlyGly (K)	1176.5809
Oxidation (M);GlyGly (K)	1192.5758
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2 GlyGly (K)	2339.0989

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3 Oxidation (M);GlyGly (K)	1526.6891
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Oxidation (M);GlyGly (K)	1633.8094
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GlyGly (K)	1630.8679
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Oxidation (M);GlyGly (K)	2269.1777
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GlyGly (K)	2281.214
Oxidation (M);GlyGly (K)	2297.209
Oxidation (M);GlyGly (K)	2285.1726
GlyGly (K)	2269.1777
Oxidation (M);GlyGly (K)	2301.1675
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Oxidation (M);GlyGly (K)	3598.84
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Oxidation (M);GlyGly (K)	2509.2384
GlyGly (K)	2493.2434
GlyGly (K)	1461.794
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GlyGly (K)	1705.8028
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Oxidation (M);GlyGly (K)	1535.7072
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Oxidation (M);GlyGly (K)	2555.1962
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Oxidation (M);GlyGly (K)	2583.2428
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GlyGly (K)	1782.9013
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Oxidation (M);GlyGly (K)	3622.6801
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Oxidation (M);GlyGly (K)	2125.011
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Oxidation (M);GlyGly (K)	1785.8502
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GlyGly (K)	1525.7599
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GlyGly (K)	2093.051
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Oxidation (M);GlyGly (K)	2051.9405
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Oxidation (M);GlyGly (K)	2000.9949
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GlyGly (K)	2789.2603
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GlyGly (K)	2318.0784
GlyGly (K)	1298.7055
GlyGly (K)	2309.1322
GlyGly (K)	1409.8606
GlyGly (K)	1430.7518
GlyGly (K)	4190.0139
GlyGly (K)	1626.873
Acetyl (Protein N-term);2 GlyGly (K)	1501.7372
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GlyGly (K)	3605.6605
2 GlyGly (K)	3847.7984
3 GlyGly (K)	4514.0997
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2 GlyGly (K)	1981.0381
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GlyGly (K)	1827.85
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Oxidation (M);GlyGly (K)	2239.0263

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GlyGly (K)	1431.6895
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GlyGly (K)	1483.7096
GlyGly (K)	1646.8489
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Oxidation (M);GlyGly (K)	2032.016
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2 GlyGly (K)	1866.9927
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GlyGly (K)	1536.8372
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GlyGly (K)	1784.8289
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2 GlyGly (K)	3089.376
GlyGly (K)	1369.7466
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GlyGly (K)	1751.8955
GlyGly (K)	2458.1733
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GlyGly (K)	2110.0906
GlyGly (K)	1702.7482
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GlyGly (K)	1258.6241
GlyGly (K)	1631.8671
GlyGly (K)	2724.4155
GlyGly (K)	2202.0778
GlyGly (K)	2639.2749
GlyGly (K)	1308.6898
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2 Oxidation (M);GlyGly (K)	2496.1009
Oxidation (M);GlyGly (K)	2480.106
GlyGly (K)	2464.1111
Oxidation (M);2 GlyGly (K)	2750.2501
2 GlyGly (K)	2734.2551
GlyGly (K)	1766.8224
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GlyGly (K)	1711.9006
GlyGly (K)	1609.8689
GlyGly (K)	1681.89
GlyGly (K)	1720.8744
GlyGly (K)	3037.4914
Oxidation (M);GlyGly (K)	3053.4863
GlyGly (K)	3165.5864
GlyGly (K)	1530.7903
GlyGly (K)	1538.8417
GlyGly (K)	2314.0879
GlyGly (K)	1276.6313
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GlyGly (K)	1758.9529
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GlyGly (K)	2177.1269
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GlyGly (K)	1769.8737
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GlyGly (K)	1254.7197
GlyGly (K)	1983.0902
GlyGly (K)	2163.0089

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GlyGly (K)	2246.9902
Oxidation (M);GlyGly (K)	2262.9852
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GlyGly (K)	1501.7235
GlyGly (K)	3623.8988
GlyGly (K)	2538.3846
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GlyGly (K)	1787.9166
Oxidation (M);GlyGly (K)	2667.5245
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Oxidation (M);GlyGly (K)	2035.0296
GlyGly (K)	2019.0347
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GlyGly (K)	1521.7497
GlyGly (K)	2381.1216
GlyGly (K)	2019.0684
GlyGly (K)	1583.8407
GlyGly (K)	1749.8277
GlyGly (K)	1223.735
Oxidation (M);GlyGly (K)	1730.7934
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2 GlyGly (K)	2446.285
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GlyGly (K)	2110.9841
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2 Oxidation (M);GlyGly (K)	1695.7444
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2 Oxidation (M);GlyGly (K)	2149.1024
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Oxidation (M);GlyGly (K)	1539.8079
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2 GlyGly (K)	2447.1791
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GlyGly (K)	1929.9697
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2 Oxidation (M);2 GlyGly (K)	2040.9642
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GlyGly (K)	1872.0105
3 GlyGly (K)	4074.1498
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GlyGly (K)	2424.2683
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Oxidation (M);GlyGly (K)	1680.8287
GlyGly (K)	2117.0899
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Oxidation (M);GlyGly (K)	2186.0678
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GlyGly (K)	1562.8556
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GlyGly (K)	2477.2173
GlyGly (K)	2675.4164
Oxidation (M);GlyGly (K)	2691.4113
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GlyGly (K)	1413.8079
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GlyGly (K)	1887.936
GlyGly (K)	2502.2391
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Oxidation (M);GlyGly (K)	3459.7079
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Oxidation (M);GlyGly (K)	1844.019

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Oxidation (M);GlyGly (K)	2073.0776
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GlyGly (K)	2780.1445
GlyGly (K)	2206.9372
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GlyGly (K)	1747.9039
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GlyGly (K)	2414.1601
GlyGly (K)	2239.0215
Oxidation (M);GlyGly (K)	2255.0165
GlyGly (K)	2746.3814
GlyGly (K)	2473.2296
GlyGly (K)	2524.2518
GlyGly (K)	2237.9964
2 GlyGly (K)	2666.2096
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2 GlyGly (K)	2724.3276
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3 GlyGly (K)	3957.9378
2 GlyGly (K)	3843.8949
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GlyGly (K)	1823.8658
2 GlyGly (K)	1937.9088
Oxidation (M);GlyGly (K)	1839.8608
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2 GlyGly (K)	2294.1979
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Oxidation (M);GlyGly (K)	2472.1955
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GlyGly (K)	2474.153
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GlyGly (K)	1572.7744
GlyGly (K)	1828.9782
GlyGly (K)	2410.2162
2 GlyGly (K)	2524.2592
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2 GlyGly (K)	1415.7984
GlyGly (K)	1918.0259
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Oxidation (M);GlyGly (K)	2421.2403
GlyGly (K)	2220.1525
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2 GlyGly (K)	2487.2718
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Oxidation (M);GlyGly (K)	1365.6823
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GlyGly (K)	2001.0266
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GlyGly (K)	1391.7197
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GlyGly (K)	1953.9949
Oxidation (M);GlyGly (K)	2094.9615
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2 Oxidation (M);2 GlyGly (K)	2163.0089
GlyGly (K)	1432.6922
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GlyGly (K)	2335.2358
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Oxidation (M);GlyGly (K)	2622.2669
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GlyGly (K)	1844.9567
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2 GlyGly (K)	1598.8277
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GlyGly (K)	1753.0502
GlyGly (K)	1363.6667
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Oxidation (M);GlyGly (K)	1531.7487
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GlyGly (K)	1870.075
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2 GlyGly (K)	1755.8388
GlyGly (K)	2434.1394
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Oxidation (M);3 GlyGly (K)	2057.0252
GlyGly (K)	2247.1495
2 GlyGly (K)	2361.1925
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2 GlyGly (K)	3009.4217
GlyGly (K)	2895.3787
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GlyGly (K)	1157.6404
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GlyGly (K)	1742.9502
GlyGly (K)	2762.4755
GlyGly (K)	1360.6987
GlyGly (K)	1438.7569
GlyGly (K)	1384.7649
GlyGly (K)	1267.6455
GlyGly (K)	1806.9053
GlyGly (K)	1199.6874
GlyGly (K)	1244.6725
GlyGly (K)	1433.7878
GlyGly (K)	1665.0189
GlyGly (K)	1651.0032
GlyGly (K)	1327.746
Oxidation (M);GlyGly (K)	2244.1308
GlyGly (K)	2228.1358
GlyGly (K)	1300.7351
GlyGly (K)	1644.9046
2 GlyGly (K)	2002.0272
GlyGly (K)	1287.7187
GlyGly (K)	1284.7038
GlyGly (K)	1628.8158
GlyGly (K)	1439.7732
GlyGly (K)	1696.9723
Oxidation (M);3 GlyGly (K)	1992.9609
GlyGly (K)	1215.6394
GlyGly (K)	1809.8646
GlyGly (K)	1704.826
GlyGly (K)	1637.8049
GlyGly (K)	2092.0324
GlyGly (K)	1537.8041
GlyGly (K)	1088.6342
GlyGly (K)	1276.718
GlyGly (K)	1925.953
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GlyGly (K)	2351.0852
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GlyGly (K)	1362.7507
GlyGly (K)	1767.9003
GlyGly (K)	1289.6364
GlyGly (K)	2390.1907
GlyGly (K)	3824.9335
GlyGly (K)	1628.9111
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2 GlyGly (K)	1886.001
GlyGly (K)	2302.1077
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GlyGly (K)	1141.6278
GlyGly (K)	1499.8936
GlyGly (K)	1412.7875
GlyGly (K)	1253.702
GlyGly (K)	1572.8664
GlyGly (K)	3008.4749
GlyGly (K)	1549.7988
GlyGly (K)	1851.8985
GlyGly (K)	1222.7761
GlyGly (K)	1760.9282
GlyGly (K)	1488.9504
GlyGly (K)	1668.8446
GlyGly (K)	1326.7507
GlyGly (K)	1924.9677
GlyGly (K)	2553.2533
GlyGly (K)	1259.7238
GlyGly (K)	1423.8035
GlyGly (K)	1455.7794
GlyGly (K)	1299.6783
GlyGly (K)	2913.388
GlyGly (K)	1483.8722
Oxidation (M);GlyGly (K)	1760.9495
GlyGly (K)	1744.9546
GlyGly (K)	2342.3032
Oxidation (M);GlyGly (K)	2358.2981
2 GlyGly (K)	2456.3461
GlyGly (K)	1179.5884
GlyGly (K)	1799.9564
Oxidation (M);GlyGly (K)	1872.9979
GlyGly (K)	1857.003
GlyGly (K)	3390.7705
Oxidation (M);GlyGly (K)	3406.7654
GlyGly (K)	1315.6918
GlyGly (K)	1381.7606

GlyGly (K)	1177.6343
GlyGly (K)	2091.0803
GlyGly (K)	1463.8348
GlyGly (K)	2564.2219
GlyGly (K)	1250.6554
Oxidation (M);GlyGly (K)	1349.6432
2 Oxidation (M);GlyGly (K)	1365.6381
GlyGly (K)	1333.6482
GlyGly (K)	3187.5132
GlyGly (K)	3215.5445
2 Oxidation (M);GlyGly (K)	1152.5631
GlyGly (K)	2095.9732
GlyGly (K)	1521.7497
GlyGly (K)	2443.2352
GlyGly (K)	2016.0925
GlyGly (K)	1802.7711
GlyGly (K)	2804.2534
GlyGly (K)	1146.579
GlyGly (K)	1436.7558
GlyGly (K)	1801.9496
GlyGly (K)	1415.7344
Oxidation (M);GlyGly (K)	1448.7082
GlyGly (K)	1432.7133
2 GlyGly (K)	2452.238
Oxidation (M);GlyGly (K)	1303.6118
GlyGly (K)	1287.6169
GlyGly (K)	1693.89
GlyGly (K)	1498.7528
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GlyGly (K)	1228.6313
3 GlyGly (K)	1994.9666
GlyGly (K)	1526.8681
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GlyGly (K)	1075.6026
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GlyGly (K)	1525.8716
GlyGly (K)	1455.7358
GlyGly (K)	2096.0287
GlyGly (K)	1633.7948
GlyGly (K)	2038.0371
GlyGly (K)	2553.2857
GlyGly (K)	1424.6797
Oxidation (M);2 GlyGly (K)	2153.0398
GlyGly (K)	1056.6291
GlyGly (K)	1508.7471
GlyGly (K)	2935.4028
GlyGly (K)	1601.7984
GlyGly (K)	2759.5559
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GlyGly (K)	2082.0065
GlyGly (K)	2930.4808
GlyGly (K)	2767.2838
GlyGly (K)	2104.9636
Oxidation (M);GlyGly (K)	2120.9586
GlyGly (K)	1563.7277
GlyGly (K)	2480.2296
GlyGly (K)	1453.7314
GlyGly (K)	1922.9222
GlyGly (K)	1893.032
GlyGly (K)	2516.3387
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GlyGly (K)	1253.6445
GlyGly (K)	1409.7456
GlyGly (K)	1427.731
GlyGly (K)	1267.7136
GlyGly (K)	2396.27
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GlyGly (K)	3858.9891
GlyGly (K)	1781.9887
GlyGly (K)	2207.2161
GlyGly (K)	3135.6663
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GlyGly (K)	2038.219
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GlyGly (K)	1632.9199
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GlyGly (K)	1416.6966
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GlyGly (K)	2664.3759
GlyGly (K)	1420.7351
GlyGly (K)	2952.5015
GlyGly (K)	2613.2922
2 GlyGly (K)	2727.3352
GlyGly (K)	2744.3327
Oxidation (M);GlyGly (K)	2760.3276
2 GlyGly (K)	2858.3756
GlyGly (K)	1647.7853
GlyGly (K)	2728.3933
GlyGly (K)	1254.6357
GlyGly (K)	2902.4713
GlyGly (K)	1902.8782
GlyGly (K)	1865.9193
GlyGly (K)	1627.8529
GlyGly (K)	1368.7725
Oxidation (M);GlyGly (K)	2860.3947
GlyGly (K)	1557.7536
GlyGly (K)	3026.468
GlyGly (K)	1672.8016

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GlyGly (K)	2827.3303
GlyGly (K)	1731.8904
GlyGly (K)	1961.033
GlyGly (K)	3216.6626
GlyGly (K)	1725.9261
GlyGly (K)	1433.7766
GlyGly (K)	1403.7521
GlyGly (K)	1524.8082
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GlyGly (K)	2324.1397
GlyGly (K)	2244.9593
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GlyGly (K)	1646.7869
GlyGly (K)	1437.7034
GlyGly (K)	1703.8326
Oxidation (M);GlyGly (K)	2326.0859
GlyGly (K)	2310.091
GlyGly (K)	2270.0815
GlyGly (K)	2398.1765
GlyGly (K)	2431.0822
GlyGly (K)	1512.8776
GlyGly (K)	1784.8628
GlyGly (K)	2449.1768
Oxidation (M);GlyGly (K)	2465.1717
GlyGly (K)	2319.1906
GlyGly (K)	1766.9349
GlyGly (K)	1417.7201
GlyGly (K)	1359.7147
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GlyGly (K)	1387.6692

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GlyGly (K)	2423.2041
GlyGly (K)	1473.7365
GlyGly (K)	1214.6772
GlyGly (K)	1672.8573
GlyGly (K)	1175.6663
GlyGly (K)	1161.6506
2 Oxidation (M);GlyGly (K)	3115.413
GlyGly (K)	1266.668
GlyGly (K)	1416.7759
GlyGly (K)	1454.7592
GlyGly (K)	1527.7576
2 Oxidation (M);GlyGly (K)	2557.2491
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GlyGly (K)	3668.6981
GlyGly (K)	1517.7726
GlyGly (K)	1772.9672
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2 GlyGly (K)	2681.3521
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GlyGly (K)	2403.2547
GlyGly (K)	1489.7049
GlyGly (K)	1610.8417
GlyGly (K)	1637.7865
Oxidation (M);GlyGly (K)	1653.7814
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GlyGly (K)	1633.7783
GlyGly (K)	2057.9953
GlyGly (K)	1386.7653
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GlyGly (K)	1429.5966
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GlyGly (K)	1838.9275
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GlyGly (K)	1583.9035
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Oxidation (M);GlyGly (K)	1517.733
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Oxidation (M);GlyGly (K)	1716.7997
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2 Oxidation (M);GlyGly (K)	2017.0237
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Oxidation (M);2 GlyGly (K)	2350.1839
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GlyGly (K)	1800.8829
Oxidation (M);GlyGly (K)	1349.6762
GlyGly (K)	1333.6813
GlyGly (K)	1932.9323
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Oxidation (M);GlyGly (K)	2340.1016
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2 Oxidation (M);GlyGly (K)	2760.3305
Oxidation (M);GlyGly (K)	2744.3356
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Oxidation (M);GlyGly (K)	1858.8553
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GlyGly (K)	1373.7337
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Oxidation (M);GlyGly (K)	1771.7934
GlyGly (K)	1755.7985
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GlyGly (K)	2243.045
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GlyGly (K)	1283.6946
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GlyGly (K)	2618.2671
Acetyl (Protein N-term);2 GlyGly (K)	1543.8107
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2 GlyGly (K)	2016.9171
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GlyGly (K)	1432.7926
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Oxidation (M);GlyGly (K)	2447.2115

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GlyGly (K)	1078.5771
GlyGly (K)	1538.7399
Oxidation (M);GlyGly (K)	1554.7348
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2 GlyGly (K)	1676.8846
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Oxidation (M);GlyGly (K)	1837.9145
GlyGly (K)	1675.8377
Oxidation (M);GlyGly (K)	2009.9364
GlyGly (K)	1993.9415
GlyGly (K)	2478.2061
Oxidation (M);GlyGly (K)	2494.201
2 GlyGly (K)	2592.249
GlyGly (K)	1842.9622
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Oxidation (M);GlyGly (K)	1311.8061
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GlyGly (K)	1746.9264
GlyGly (K)	1373.7052
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GlyGly (K)	1484.7947
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GlyGly (K)	1228.6452
Oxidation (M);GlyGly (K)	2171.0715
2 Oxidation (M);GlyGly (K)	2133.0446
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GlyGly (K)	1259.6908
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GlyGly (K)	1910.0122
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Oxidation (M);GlyGly (K)	2343.1165
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GlyGly (K)	1572.7645
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2 GlyGly (K)	1999.9885
GlyGly (K)	1885.9455
GlyGly (K)	1180.6088
GlyGly (K)	2401.2278
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Oxidation (M);2 GlyGly (K)	1609.744
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GlyGly (K)	2782.2087
Oxidation (M);2 GlyGly (K)	2912.2465
2 GlyGly (K)	2896.2516
Oxidation (M);GlyGly (K)	2798.2036
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GlyGly (K)	1715.9054
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GlyGly (K)	2145.0525

GlyGly (K)	2416.1805
Oxidation (M);GlyGly (K)	2231.1256
GlyGly (K)	2215.1307
GlyGly (K)	2188.076
GlyGly (K)	1876.0279
GlyGly (K)	1315.6983
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GlyGly (K)	1659.9196
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GlyGly (K)	1921.0381
GlyGly (K)	1928.0116
GlyGly (K)	1744.9506
GlyGly (K)	3260.6037
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GlyGly (K)	1548.8148
GlyGly (K)	1485.7675
GlyGly (K)	2174.0525
GlyGly (K)	2640.3581
GlyGly (K)	2090.0426
Oxidation (M);GlyGly (K)	2230.2031
GlyGly (K)	2214.2082
GlyGly (K)	1577.9869
GlyGly (K)	1500.7896
GlyGly (K)	1448.7623
GlyGly (K)	1013.5982
GlyGly (K)	2308.1369
Oxidation (M);GlyGly (K)	2324.1318
GlyGly (K)	1393.7201
GlyGly (K)	3007.3894
GlyGly (K)	1551.7781
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GlyGly (K)	1232.7089
GlyGly (K)	1181.6768
GlyGly (K)	2218.1594
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GlyGly (K)	1739.0557
GlyGly (K)	2607.3306

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GlyGly (K)	1486.7926
GlyGly (K)	2296.1845
GlyGly (K)	1343.7231
Oxidation (M);GlyGly (K)	1359.718
GlyGly (K)	1453.8868
GlyGly (K)	1816.9142
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Oxidation (M);GlyGly (K)	2678.2779
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GlyGly (K)	1671.8614
Oxidation (M);GlyGly (K)	1687.8563
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Oxidation (M);GlyGly (K)	2317.0216
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GlyGly (K)	1553.8024
GlyGly (K)	1938.0323

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GlyGly (K)	3506.7603
GlyGly (K)	1748.0084
GlyGly (K)	3262.6755
Oxidation (M);GlyGly (K)	3278.6704
GlyGly (K)	1186.7074
GlyGly (K)	3682.8202
GlyGly (K)	3901.8217
GlyGly (K)	4556.1231
GlyGly (K)	1300.6922
GlyGly (K)	2684.2058
GlyGly (K)	1394.6976
GlyGly (K)	1849.9397
GlyGly (K)	2247.1859
GlyGly (K)	1378.7218
GlyGly (K)	1759.9832
GlyGly (K)	1390.7569
GlyGly (K)	2061.1146
GlyGly (K)	1712.921
GlyGly (K)	1188.635
GlyGly (K)	1754.005
GlyGly (K)	2263.1485
GlyGly (K)	1499.813
GlyGly (K)	2280.2002
GlyGly (K)	1300.7715
GlyGly (K)	1811.0265
GlyGly (K)	1943.9921
GlyGly (K)	1870.9935
GlyGly (K)	2217.1219
GlyGly (K)	2446.01
GlyGly (K)	1213.6568
GlyGly (K)	2462.1748
Oxidation (M);GlyGly (K)	2478.1697
GlyGly (K)	2182.0695
GlyGly (K)	1693.7995
GlyGly (K)	1734.8689
GlyGly (K)	1518.7427
GlyGly (K)	2776.3135
Oxidation (M);GlyGly (K)	2792.3084
GlyGly (K)	2749.3784
GlyGly (K)	3146.4444
GlyGly (K)	1818.9628
GlyGly (K)	1490.7729
GlyGly (K)	1409.7667
GlyGly (K)	1090.6135
GlyGly (K)	1205.6656
GlyGly (K)	2312.1648

GlyGly (K)	2320.1886
GlyGly (K)	2348.1761
GlyGly (K)	1168.6241
GlyGly (K)	1262.6619
GlyGly (K)	1335.7398
GlyGly (K)	1308.7038
GlyGly (K)	1634.8879
GlyGly (K)	1190.6659
GlyGly (K)	1955.9775
GlyGly (K)	2967.4291
2 GlyGly (K)	3664.8049
GlyGly (K)	2362.1454
GlyGly (K)	1402.7569
GlyGly (K)	2509.2741
GlyGly (K)	1225.6455
GlyGly (K)	2249.1427
GlyGly (K)	1006.556
GlyGly (K)	1879.8887
GlyGly (K)	2056.0418
GlyGly (K)	1510.8144
GlyGly (K)	1822.9577
GlyGly (K)	1874.8727
Oxidation (M);GlyGly (K)	1773.8203
GlyGly (K)	1757.8254
GlyGly (K)	2436.127
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	2108.0183
GlyGly (K)	1547.7865
GlyGly (K)	2317.1372
Acetyl (Protein N-term);GlyGly (K)	1533.761
GlyGly (K)	1920.9503
GlyGly (K)	2384.153
Oxidation (M);GlyGly (K)	2400.1479
2 GlyGly (K)	3256.5704
GlyGly (K)	2174.0215
GlyGly (K)	1616.7075
Oxidation (M);GlyGly (K)	1632.7025
Oxidation (M);2 GlyGly (K)	1589.8269
GlyGly (K)	1393.7024
GlyGly (K)	1938.8829
GlyGly (K)	1753.8417
GlyGly (K)	1478.7473
GlyGly (K)	2291.3287
GlyGly (K)	2141.1514
GlyGly (K)	1944.9397
GlyGly (K)	2275.1168
GlyGly (K)	1051.5121
GlyGly (K)	1630.8171
Oxidation (M);2 GlyGly (K)	2153.0171
Oxidation (M);GlyGly (K)	3322.5333
GlyGly (K)	3306.5384

GlyGly (K)	2139.1147
Acetyl (Protein N-term);GlyGly (K)	1150.5441
Acetyl (Protein N-term);GlyGly (K)	1110.5016
Acetyl (Protein N-term);Oxidation (M);2 GlyGly (K)	2912.2957
Acetyl (Protein N-term);2 GlyGly (K)	2896.3008
Acetyl (Protein N-term);GlyGly (K)	2435.1387
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	2451.1336
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1182.5591
Acetyl (Protein N-term);GlyGly (K)	1166.5642
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	2413.2047
Acetyl (Protein N-term);GlyGly (K)	2397.2097
Acetyl (Protein N-term);GlyGly (K)	2825.4229
GlyGly (K)	2396.1022
Acetyl (Protein N-term);GlyGly (K)	1120.5587
Acetyl (Protein N-term);GlyGly (K)	1651.8062
Acetyl (Protein N-term);GlyGly (K)	1628.8556
GlyGly (K)	1772.9342
GlyGly (K)	1635.8039
Acetyl (Protein N-term);GlyGly (K)	1259.618
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1275.6129
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1474.745
Acetyl (Protein N-term);GlyGly (K)	1458.7501
GlyGly (K)	1952.915
Acetyl (Protein N-term);Oxidation (M);2 GlyGly (K)	1861.8703
Acetyl (Protein N-term);GlyGly (K)	1618.796
GlyGly (K)	2394.2352
GlyGly (K)	1561.8286
GlyGly (K)	1520.7392
Acetyl (Protein N-term);GlyGly (K)	1717.8644
Acetyl (Protein N-term);GlyGly (K)	1319.6391
Acetyl (Protein N-term);GlyGly (K)	2190.0045
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	2205.9994
GlyGly (K)	1967.8782
Oxidation (M);GlyGly (K)	2383.0849
Oxidation (M);GlyGly (K)	2023.9303
GlyGly (K)	2007.9354
2 Oxidation (M);GlyGly (K)	2039.9252
GlyGly (K)	1526.6671
GlyGly (K)	1551.6988
Acetyl (Protein N-term);GlyGly (K)	1310.6363
Acetyl (Protein N-term);GlyGly (K)	1512.7139
GlyGly (K)	2315.1402
Acetyl (Protein N-term);GlyGly (K)	1520.7327
2 Oxidation (M);3 GlyGly (K)	1846.8917
Acetyl (Protein N-term);2 Oxidation (M);GlyGly (K)	1481.7007
Acetyl (Protein N-term);GlyGly (K)	1496.8636
Acetyl (Protein N-term);GlyGly (K)	1828.9142
Acetyl (Protein N-term);GlyGly (K)	2390.1788
Acetyl (Protein N-term);GlyGly (K)	2791.1953
GlyGly (K)	2419.1537

2 GlyGly (K)	2960.4397
GlyGly (K)	2359.1227
GlyGly (K)	1544.7181
GlyGly (K)	1223.5969
Acetyl (Protein N-term);GlyGly (K)	1575.7061
GlyGly (K)	1309.5973
Acetyl (Protein N-term);GlyGly (K)	1665.8218
Acetyl (Protein N-term);GlyGly (K)	2343.0954
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	2359.0903
GlyGly (K)	1357.666
Acetyl (Protein N-term);GlyGly (K)	2112.0344
GlyGly (K)	1575.8
GlyGly (K)	1714.9036
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1290.649
Acetyl (Protein N-term);GlyGly (K)	1274.654
GlyGly (K)	1932.9364
Oxidation (M);GlyGly (K)	1948.9313
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1390.6398
Acetyl (Protein N-term);GlyGly (K)	1374.6449
GlyGly (K)	1887.9976
Acetyl (Protein N-term);GlyGly (K)	1271.6908
Oxidation (M);2 GlyGly (K)	1765.8889
GlyGly (K)	1950.9213
GlyGly (K)	1401.7174
Acetyl (Protein N-term);GlyGly (K)	2504.1597
Acetyl (Protein N-term);GlyGly (K)	2432.1754
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	2448.1703
Acetyl (Protein N-term);GlyGly (K)	3321.5228
GlyGly (K)	1329.6347
Oxidation (M);GlyGly (K)	1345.6296
GlyGly (K)	2049.0255
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1260.602
GlyGly (K)	2573.3775
GlyGly (K)	1594.7509
GlyGly (K)	2209.0797
GlyGly (K)	1897.9608
GlyGly (K)	1619.8018
Acetyl (Protein N-term);GlyGly (K)	1902.937
GlyGly (K)	1250.623
Oxidation (M);GlyGly (K)	2959.3963
GlyGly (K)	2943.4014
GlyGly (K)	2097.9711
GlyGly (K)	1237.6125
2 GlyGly (K)	1893.9003
Oxidation (M);GlyGly (K)	1281.6136
GlyGly (K)	1265.6187
GlyGly (K)	1582.7814
GlyGly (K)	1596.797
Oxidation (M);GlyGly (K)	1612.7919
GlyGly (K)	1228.5659

Acetyl (Protein N-term);GlyGly (K)	1966.9207
Oxidation (M);GlyGly (K)	1584.7606
GlyGly (K)	1568.7657
GlyGly (K)	1531.7817
Acetyl (Protein N-term);GlyGly (K)	1139.5434
GlyGly (K)	2676.1585
GlyGly (K)	1912.9751
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1750.8308
GlyGly (K)	1357.6561
GlyGly (K)	2124.9979
2 GlyGly (K)	2137.1062
GlyGly (K)	2179.1096
GlyGly (K)	2125.011
GlyGly (K)	2991.3417
Oxidation (M);GlyGly (K)	3007.3366
Oxidation (M);GlyGly (K)	1639.824
GlyGly (K)	1623.829
GlyGly (K)	4441.153
GlyGly (K)	1000.5488
GlyGly (K)	1825.9257
GlyGly (K)	1788.7962
Oxidation (M);GlyGly (K)	1804.7911
Oxidation (M);GlyGly (K)	1964.9084
GlyGly (K)	1948.9135
GlyGly (K)	1966.8699
Oxidation (M);GlyGly (K)	1982.8649
2 Oxidation (M);GlyGly (K)	1897.8703
GlyGly (K)	2221.0554
GlyGly (K)	1810.8957
Oxidation (M);GlyGly (K)	1826.8907
GlyGly (K)	2165.1627
Acetyl (Protein N-term);GlyGly (K)	1726.9764
GlyGly (K)	1402.7238
GlyGly (K)	1460.7293
Acetyl (Protein N-term);GlyGly (K)	1630.8461
Acetyl (Protein N-term);GlyGly (K)	1134.6471
GlyGly (K)	2205.0623
GlyGly (K)	1970.0408
Oxidation (M);GlyGly (K)	2219.1104
GlyGly (K)	2203.1154
GlyGly (K)	1930.9605
GlyGly (K)	1537.7936
GlyGly (K)	1259.6908
GlyGly (K)	1436.7558
GlyGly (K)	2206.145
GlyGly (K)	1339.6806
GlyGly (K)	2471.2254
GlyGly (K)	1634.845
GlyGly (K)	1289.6762
GlyGly (K)	2738.3347

GlyGly (K)	1890.8815
GlyGly (K)	1821.9407
GlyGly (K)	1365.6962
Oxidation (M);3 GlyGly (K)	1702.8131
GlyGly (K)	1231.6343
Acetyl (Protein N-term);GlyGly (K)	1961.9299
Oxidation (M);GlyGly (K)	1935.9142
GlyGly (K)	1919.9193
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1977.9248
Acetyl (Protein N-term);2 Oxidation (M);GlyGly (K)	1993.9197
GlyGly (K)	1688.8403
Acetyl (Protein N-term);GlyGly (K)	1271.6405
2 Oxidation (M);GlyGly (K)	1969.877
GlyGly (K)	1317.65
GlyGly (K)	2847.3882
2 GlyGly (K)	2961.4311
GlyGly (K)	1122.5743
GlyGly (K)	1306.7319
GlyGly (K)	1789.9509
Oxidation (M);2 GlyGly (K)	1901.9629
Acetyl (Protein N-term);GlyGly (K)	1217.6438
Acetyl (Protein N-term);2 Oxidation (M);GlyGly (K)	2172.949
GlyGly (K)	1232.6158
Acetyl (Protein N-term);GlyGly (K)	2335.0056
GlyGly (K)	2292.9951
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	2351.0006
Acetyl (Protein N-term);2 Oxidation (M);GlyGly (K)	2366.9955
GlyGly (K)	1434.7766
GlyGly (K)	1521.8047
Acetyl (Protein N-term);GlyGly (K)	1563.8153
2 GlyGly (K)	3736.9208
GlyGly (K)	1540.7668
Acetyl (Protein N-term);GlyGly (K)	1525.7307
GlyGly (K)	1601.8195
GlyGly (K)	2150.0929
GlyGly (K)	2221.0006
GlyGly (K)	1941.0394
GlyGly (K)	2110.0001
Oxidation (M);3 GlyGly (K)	1718.8621
GlyGly (K)	1343.7595
GlyGly (K)	2717.2843
GlyGly (K)	1690.8349
GlyGly (K)	3125.3879
GlyGly (K)	2219.0715
GlyGly (K)	1127.6373
GlyGly (K)	1328.7235
Oxidation (M);GlyGly (K)	1344.7184
GlyGly (K)	1876.0128
GlyGly (K)	3203.5193
GlyGly (K)	2308.061

Acetyl (Protein N-term);GlyGly (K)	1250.6078
Oxidation (M);GlyGly (K)	1629.9124
GlyGly (K)	1613.9175
GlyGly (K)	2127.0558
GlyGly (K)	1874.872
Acetyl (Protein N-term);GlyGly (K)	2160.0786
Acetyl (Protein N-term);GlyGly (K)	2275.0514
Oxidation (M);GlyGly (K)	1717.8669
GlyGly (K)	1701.872
Oxidation (M);GlyGly (K)	2290.1046
Oxidation (M);GlyGly (K)	1188.6285
GlyGly (K)	1172.6336
Acetyl (Protein N-term);GlyGly (K)	1159.6635
Acetyl (Protein N-term);2 GlyGly (K)	1429.8075
Oxidation (M);2 GlyGly (K)	2537.2829
GlyGly (K)	1155.6434
GlyGly (K)	2031.8774
GlyGly (K)	2291.096
GlyGly (K)	1937.8459
GlyGly (K)	1233.5958
2 Oxidation (M);GlyGly (K)	1725.8946
GlyGly (K)	2188.098
Oxidation (M);GlyGly (K)	2204.0929
GlyGly (K)	1779.825
GlyGly (K)	1373.7337
GlyGly (K)	2438.2012
GlyGly (K)	1732.8665
Oxidation (M);GlyGly (K)	1754.7352
GlyGly (K)	1738.7403
Acetyl (Protein N-term);2 GlyGly (K)	1702.8322
GlyGly (K)	1506.7721
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1898.9269
Acetyl (Protein N-term);GlyGly (K)	1882.9319
Acetyl (Protein N-term);GlyGly (K)	1872.9
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1300.6558
Acetyl (Protein N-term);GlyGly (K)	1580.7253
GlyGly (K)	3119.3821
GlyGly (K)	2323.046
GlyGly (K)	1870.8632
Oxidation (M);GlyGly (K)	1886.8581
GlyGly (K)	2379.0723
GlyGly (K)	1290.6213
GlyGly (K)	2742.2854
GlyGly (K)	3507.6814
Oxidation (M);GlyGly (K)	3523.6764
GlyGly (K)	1627.8504
GlyGly (K)	1043.5685
Acetyl (Protein N-term);GlyGly (K)	1098.5016
GlyGly (K)	1666.7985
Oxidation (M);GlyGly (K)	1682.7934

GlyGly (K)	1977.9652
GlyGly (K)	3049.5001
Acetyl (Protein N-term);GlyGly (K)	2162.05
GlyGly (K)	1364.6758
GlyGly (K)	1432.7021
Acetyl (Protein N-term);GlyGly (K)	1786.907
Acetyl (Protein N-term);GlyGly (K)	2313.9817
GlyGly (K)	1308.6496
Oxidation (M);GlyGly (K)	1324.6445
Oxidation (M);2 GlyGly (K)	2794.3192
2 GlyGly (K)	2778.3243
GlyGly (K)	2664.2813
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1468.6473
2 Oxidation (M);GlyGly (K)	2219.9562
Oxidation (M);GlyGly (K)	2203.9613
GlyGly (K)	2187.9664
Oxidation (M);2 GlyGly (K)	2725.2072
2 GlyGly (K)	2709.2123
2 Oxidation (M);2 GlyGly (K)	2741.2021
Oxidation (M);GlyGly (K)	2611.1643
GlyGly (K)	2595.1693
GlyGly (K)	1426.7173
Oxidation (M);GlyGly (K)	2169.9783
GlyGly (K)	2153.9834
Oxidation (M);GlyGly (K)	1394.7592
GlyGly (K)	1378.7643
Acetyl (Protein N-term);GlyGly (K)	1420.7748
2 GlyGly (K)	3261.7166
Oxidation (M);2 GlyGly (K)	3277.7116
GlyGly (K)	3147.6737
GlyGly (K)	3346.8058
Oxidation (M);GlyGly (K)	2386.1798
GlyGly (K)	2370.1849
GlyGly (K)	3021.5553
Oxidation (M);GlyGly (K)	3037.5502
Oxidation (M);GlyGly (K)	1677.843
GlyGly (K)	1661.8481
GlyGly (K)	1167.5594
Oxidation (M);GlyGly (K)	1183.5543
2 Oxidation (M);GlyGly (K)	1960.942
Oxidation (M);GlyGly (K)	1944.9471
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1986.9577
Acetyl (Protein N-term);2 Oxidation (M);GlyGly (K)	2002.9526
GlyGly (K)	1928.9522
Acetyl (Protein N-term);GlyGly (K)	1970.9628
GlyGly (K)	2340.2368
GlyGly (K)	2271.9875
GlyGly (K)	2740.3279
GlyGly (K)	2500.1151
GlyGly (K)	2510.0631

GlyGly (K)	2588.2581
Oxidation (M);GlyGly (K)	2604.253
Acetyl (Protein N-term);GlyGly (K)	1217.5387
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1233.5336
GlyGly (K)	1372.6809
Acetyl (Protein N-term);GlyGly (K)	1816.9175
GlyGly (K)	1878.8894
GlyGly (K)	2370.1849
Oxidation (M);GlyGly (K)	2386.1798
GlyGly (K)	3021.5553
Oxidation (M);GlyGly (K)	3037.5502
Acetyl (Protein N-term);GlyGly (K)	1928.9197
Acetyl (Protein N-term);GlyGly (K)	1848.9768
GlyGly (K)	1806.9662
GlyGly (K)	2127.0783
Oxidation (M);GlyGly (K)	2173.0685
GlyGly (K)	2157.0736
GlyGly (K)	2111.9463
GlyGly (K)	2928.3097
GlyGly (K)	2149.0321
Oxidation (M);GlyGly (K)	2165.027
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	2002.0605
Acetyl (Protein N-term);2 Oxidation (M);GlyGly (K)	1550.7069
GlyGly (K)	1899.9836
GlyGly (K)	2315.1427
Oxidation (M);GlyGly (K)	2331.1376
GlyGly (K)	2200.1966
GlyGly (K)	1648.7913
GlyGly (K)	1675.8451
GlyGly (K)	2432.1967
Oxidation (M);GlyGly (K)	2448.1916
GlyGly (K)	1390.7126
GlyGly (K)	1546.8137
Oxidation (M);GlyGly (K)	1562.8086
GlyGly (K)	2027.9768
GlyGly (K)	1980.9319
GlyGly (K)	2036.9329
Oxidation (M);GlyGly (K)	2052.9278
2 Oxidation (M);2 GlyGly (K)	2505.2032
GlyGly (K)	1820.9455
GlyGly (K)	2358.0659
GlyGly (K)	1774.8957
GlyGly (K)	3535.6599
Oxidation (M);GlyGly (K)	1562.8127
GlyGly (K)	1546.8177
GlyGly (K)	1593.7643
GlyGly (K)	1722.8975
Oxidation (M);GlyGly (K)	2208.0766
GlyGly (K)	2192.0817
Oxidation (M);GlyGly (K)	2726.2705

GlyGly (K)	2710.2756
GlyGly (K)	2307.178
GlyGly (K)	2690.3684
Oxidation (M);GlyGly (K)	1735.7182
GlyGly (K)	1790.7968
Oxidation (M);GlyGly (K)	1806.7917
GlyGly (K)	2838.2286
Acetyl (Protein N-term);GlyGly (K)	1663.8273
GlyGly (K)	2289.0107
GlyGly (K)	3494.5256
GlyGly (K)	2874.4222
GlyGly (K)	2859.4477
GlyGly (K)	1532.7691
GlyGly (K)	2207.994
GlyGly (K)	3012.3335
GlyGly (K)	1689.8542
Oxidation (M);GlyGly (K)	1705.8491
GlyGly (K)	1161.57
GlyGly (K)	2133.9612
Oxidation (M);GlyGly (K)	2149.9561
2 Oxidation (M);GlyGly (K)	2425.111
Oxidation (M);GlyGly (K)	2409.1161
GlyGly (K)	2393.1211
GlyGly (K)	1420.7748
GlyGly (K)	1819.921
GlyGly (K)	1165.6754
GlyGly (K)	1244.6547
GlyGly (K)	2173.041
GlyGly (K)	1759.9403
Oxidation (M);GlyGly (K)	1520.7558
GlyGly (K)	1504.7609
Acetyl (Protein N-term);GlyGly (K)	2087.9946
GlyGly (K)	1238.5965
Oxidation (M);GlyGly (K)	1254.5914
GlyGly (K)	1810.8407
Oxidation (M);GlyGly (K)	1826.8356
Oxidation (M);2 GlyGly (K)	2225.0383
GlyGly (K)	2352.1355
Oxidation (M);GlyGly (K)	1636.8243
GlyGly (K)	1620.8294
GlyGly (K)	2037.9057
Oxidation (M);GlyGly (K)	2053.9006
Oxidation (M);GlyGly (K)	2210.0017
GlyGly (K)	2194.0068
GlyGly (K)	1607.8593
GlyGly (K)	1295.7748
Oxidation (M);GlyGly (K)	3106.5856
GlyGly (K)	3090.5907
GlyGly (K)	3462.7552
Acetyl (Protein N-term);GlyGly (K)	2058.0067

GlyGly (K)	1920.9364
GlyGly (K)	1364.6217
Oxidation (M);GlyGly (K)	1380.6166
Oxidation (M);GlyGly (K)	1367.6656
GlyGly (K)	1351.6707
GlyGly (K)	1765.7842
GlyGly (K)	2089.0051
GlyGly (K)	2615.2941
GlyGly (K)	2158.0868
GlyGly (K)	2528.2118
GlyGly (K)	2327.1903
GlyGly (K)	3248.3366
Oxidation (M);GlyGly (K)	3264.3315
GlyGly (K)	3274.4064
Oxidation (M);GlyGly (K)	3290.4013
GlyGly (K)	2148.9997
GlyGly (K)	1084.5989
GlyGly (K)	2450.1608
GlyGly (K)	1994.9673
GlyGly (K)	1145.5863
2 GlyGly (K)	1672.8567
GlyGly (K)	1140.6615
GlyGly (K)	2504.2435
GlyGly (K)	2860.4495
GlyGly (K)	1524.8624
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Oxidation (M);GlyGly (K)	2460.1009
GlyGly (K)	1572.793
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Oxidation (M);GlyGly (K)	1949.8942
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Oxidation (M);GlyGly (K)	2374.1686
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Oxidation (M);GlyGly (K)	4365.0318
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2 Oxidation (M);GlyGly (K)	2675.2618
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GlyGly (K)	1899.8599
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Oxidation (M);GlyGly (K)	1268.6183
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Oxidation (M);GlyGly (K)	1503.7868
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Oxidation (M);GlyGly (K)	3203.5252
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Oxidation (M);GlyGly (K)	2266.1263
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Oxidation (M);GlyGly (K)	2685.2916
GlyGly (K)	2669.2967
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GlyGly (K)	1745.9312
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Oxidation (M);GlyGly (K)	1545.8185
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Oxidation (M);GlyGly (K)	1961.9378
Oxidation (M);GlyGly (K)	1934.9269
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GlyGly (K)	1498.8104
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GlyGly (K)	2778.2477
GlyGly (K)	2396.1027
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Oxidation (M);GlyGly (K)	1907.8796
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GlyGly (K)	3642.7802
GlyGly (K)	1525.814
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GlyGly (K)	2660.2395
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GlyGly (K)	2046.9867
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GlyGly (K)	1226.6408
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GlyGly (K)	2081.1382
GlyGly (K)	2608.1792
GlyGly (K)	1837.9435
GlyGly (K)	2008.0841
GlyGly (K)	1986.9872
GlyGly (K)	1708.842
GlyGly (K)	2189.1917
GlyGly (K)	2290.2321
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GlyGly (K)	1706.9719
GlyGly (K)	1372.7099
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GlyGly (K)	1970.948
GlyGly (K)	2791.3923
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GlyGly (K)	1790.9778
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GlyGly (K)	2841.3967
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GlyGly (K)	2258.1179
2 GlyGly (K)	3141.5327
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2 GlyGly (K)	2634.2998
GlyGly (K)	1997.9477
Oxidation (M);GlyGly (K)	2013.9426
GlyGly (K)	1311.6208
GlyGly (K)	1974.9469
GlyGly (K)	1439.7885
GlyGly (K)	1547.7944
GlyGly (K)	2528.1065
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GlyGly (K)	2464.2996
GlyGly (K)	2174.9877
Oxidation (M);GlyGly (K)	2190.9827
GlyGly (K)	1857.9585
GlyGly (K)	2247.2111
GlyGly (K)	3036.4888
GlyGly (K)	1142.623
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GlyGly (K)	2742.2339
GlyGly (K)	3296.6526
GlyGly (K)	1909.9745
2 Oxidation (M);GlyGly (K)	2625.2428
GlyGly (K)	2454.1703
GlyGly (K)	1205.6404
GlyGly (K)	2218.0443
GlyGly (K)	1334.6653
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GlyGly (K)	1610.8376
GlyGly (K)	2355.2699
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GlyGly (K)	1350.7507
GlyGly (K)	1439.762
Oxidation (M);GlyGly (K)	2445.1066
GlyGly (K)	2429.1117
GlyGly (K)	1439.7369
GlyGly (K)	1284.6826
GlyGly (K)	1212.6463
GlyGly (K)	1236.6826
Oxidation (M);GlyGly (K)	3652.6973
GlyGly (K)	3636.7024
GlyGly (K)	1707.8904
GlyGly (K)	2468.2772
GlyGly (K)	2243.1295
GlyGly (K)	1391.7561
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GlyGly (K)	1103.5975
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GlyGly (K)	1420.7021
GlyGly (K)	2350.1012
GlyGly (K)	1528.8402
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GlyGly (K)	1869.0108
GlyGly (K)	1227.7339
GlyGly (K)	3723.9319
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GlyGly (K)	2106.0779
2 Oxidation (M);2 GlyGly (K)	1698.8797
2 Oxidation (M);2 GlyGly (K)	1957.906
GlyGly (K)	1486.7238
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GlyGly (K)	2941.5549
GlyGly (K)	1977.0783
GlyGly (K)	2401.2013
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GlyGly (K)	2688.3858
GlyGly (K)	2800.3299
GlyGly (K)	2111.0746
GlyGly (K)	1367.7885
GlyGly (K)	2000.9327
GlyGly (K)	2707.3626
GlyGly (K)	1529.8202
GlyGly (K)	2186.0401
GlyGly (K)	2160.0699
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GlyGly (K)	1263.6394
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GlyGly (K)	1703.8955
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GlyGly (K)	2716.3636
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2 GlyGly (K)	2377.1047
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GlyGly (K)	2342.1767
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GlyGly (K)	1399.7419
GlyGly (K)	1397.7878
GlyGly (K)	1408.731
GlyGly (K)	2432.2482
Oxidation (M);GlyGly (K)	1630.7509
GlyGly (K)	1409.6899
GlyGly (K)	2544.2676
Oxidation (M);GlyGly (K)	2536.2704
GlyGly (K)	2520.2755
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GlyGly (K)	2817.3003
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2 GlyGly (K)	2331.1343
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GlyGly (K)	2188.1753
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GlyGly (K)	2482.3027
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GlyGly (K)	1739.953
GlyGly (K)	2177.06
GlyGly (K)	2697.2487
GlyGly (K)	1517.7079
Oxidation (M);GlyGly (K)	2571.201
GlyGly (K)	1389.7616
GlyGly (K)	2234.1907
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GlyGly (K)	1646.8165
GlyGly (K)	1691.8301

GlyGly (K)	1679.8631
GlyGly (K)	1936.0418
GlyGly (K)	2260.0906
GlyGly (K)	2138.0968
GlyGly (K)	2417.1645
Oxidation (M);GlyGly (K)	2634.2119
GlyGly (K)	2618.217
GlyGly (K)	3216.5584
GlyGly (K)	1694.8879
GlyGly (K)	1515.7781
GlyGly (K)	2088.1215
GlyGly (K)	1744.8955
GlyGly (K)	1398.7467
GlyGly (K)	1525.8464
GlyGly (K)	2159.9438
GlyGly (K)	1593.7565
GlyGly (K)	1892.9592
GlyGly (K)	1781.9159
GlyGly (K)	1480.7634
GlyGly (K)	1927.9792
GlyGly (K)	2434.1904
GlyGly (K)	2819.3614
GlyGly (K)	1233.6023
GlyGly (K)	1757.8796
GlyGly (K)	1288.6623
GlyGly (K)	1469.795
GlyGly (K)	2338.967
GlyGly (K)	2011.9469
GlyGly (K)	1478.6936
GlyGly (K)	1888.0319
GlyGly (K)	1961.9054
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GlyGly (K)	2795.3185
GlyGly (K)	1439.7521
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3 GlyGly (K)	2904.5206
GlyGly (K)	1659.7999
GlyGly (K)	2898.3731
GlyGly (K)	1320.719
GlyGly (K)	2611.215
2 GlyGly (K)	1911.065

GlyGly (K)	1297.6626
GlyGly (K)	1972.9888
GlyGly (K)	3641.6362
Oxidation (M);GlyGly (K)	3657.6312
GlyGly (K)	1308.6674
GlyGly (K)	2137.0876
GlyGly (K)	2541.2679
GlyGly (K)	1597.8325
GlyGly (K)	2250.1029
GlyGly (K)	1870.9537
GlyGly (K)	2355.143
GlyGly (K)	2269.0723
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GlyGly (K)	1699.941
GlyGly (K)	1445.7198
GlyGly (K)	1832.9381
GlyGly (K)	3088.5677
GlyGly (K)	3216.6626
GlyGly (K)	2486.2006
GlyGly (K)	2186.1637
GlyGly (K)	1359.6929
GlyGly (K)	1597.8312
GlyGly (K)	2198.1067
GlyGly (K)	3068.5271
GlyGly (K)	1643.7977
2 GlyGly (K)	2757.3756
GlyGly (K)	1247.7238
GlyGly (K)	2231.2022
GlyGly (K)	1426.7317
GlyGly (K)	2059.9819
GlyGly (K)	2033.033
GlyGly (K)	1810.9789
GlyGly (K)	1803.8639
GlyGly (K)	1199.6622
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GlyGly (K)	1653.8686
GlyGly (K)	1842.9799
GlyGly (K)	1970.0433
2 Oxidation (M);GlyGly (K)	1452.6775
GlyGly (K)	1833.901
GlyGly (K)	1457.7773
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GlyGly (K)	1583.8817
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GlyGly (K)	2371.1476
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GlyGly (K)	1316.6758
GlyGly (K)	1583.7692
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GlyGly (K)	1412.7161
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GlyGly (K)	2037.0855
2 GlyGly (K)	2151.1284
GlyGly (K)	1918.016
GlyGly (K)	1357.695
GlyGly (K)	1153.6819
GlyGly (K)	1354.7092
GlyGly (K)	1694.9315
GlyGly (K)	1818.8609
GlyGly (K)	2358.1088
GlyGly (K)	1526.8304
GlyGly (K)	1682.9315
GlyGly (K)	2191.0658
GlyGly (K)	1980.0503
GlyGly (K)	1975.9098
GlyGly (K)	1834.9247
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GlyGly (K)	1828.9418
GlyGly (K)	3472.6329
GlyGly (K)	2606.2765
GlyGly (K)	1529.7937
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GlyGly (K)	3073.5469
GlyGly (K)	1669.8999
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GlyGly (K)	1860.9251
GlyGly (K)	2088.0335
GlyGly (K)	2652.249
GlyGly (K)	1368.7725
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GlyGly (K)	1910.9738
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GlyGly (K)	1341.7728
GlyGly (K)	1440.7685
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GlyGly (K)	1730.8951
GlyGly (K)	1771.9251
Oxidation (M);GlyGly (K)	1787.92
GlyGly (K)	1242.6721
GlyGly (K)	2085.1616
GlyGly (K)	2222.0889

2 GlyGly (K)	2259.1868
GlyGly (K)	1712.9309
GlyGly (K)	1726.9465
GlyGly (K)	2274.124
GlyGly (K)	2076.0851
GlyGly (K)	1170.6761
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GlyGly (K)	1149.6618
GlyGly (K)	2793.3987
GlyGly (K)	2035.0851
GlyGly (K)	1462.778
GlyGly (K)	1316.7201
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GlyGly (K)	1742.9414
GlyGly (K)	1809.9373
GlyGly (K)	1372.7497
GlyGly (K)	1788.8689
GlyGly (K)	1925.1098
GlyGly (K)	2475.1952
GlyGly (K)	1526.8417
GlyGly (K)	2258.0637
GlyGly (K)	1882.9749
GlyGly (K)	1367.7885
GlyGly (K)	1676.8226
GlyGly (K)	1927.0123
GlyGly (K)	1629.8686
GlyGly (K)	2773.4102
GlyGly (K)	1648.809
GlyGly (K)	2380.2751
GlyGly (K)	1880.8938
GlyGly (K)	1426.778
GlyGly (K)	2273.14
GlyGly (K)	1711.9846
GlyGly (K)	1727.9206
GlyGly (K)	1701.8832
GlyGly (K)	2109.8884
GlyGly (K)	2122.9953
Oxidation (M);GlyGly (K)	2138.9902
GlyGly (K)	2210.1154
GlyGly (K)	1945.9204
GlyGly (K)	1931.9346
GlyGly (K)	1526.6671
GlyGly (K)	2043.0167
GlyGly (K)	1976.999
GlyGly (K)	1757.873
GlyGly (K)	2416.1653
GlyGly (K)	1928.9803
GlyGly (K)	1819.9138
GlyGly (K)	2303.1614
GlyGly (K)	1462.6987

GlyGly (K)	1813.9244
GlyGly (K)	1840.9578
GlyGly (K)	1808.9857
GlyGly (K)	3003.4381
GlyGly (K)	2088.0712
GlyGly (K)	2299.1332
GlyGly (K)	2251.0869
GlyGly (K)	2803.3004
GlyGly (K)	2131.1637
GlyGly (K)	1358.734
GlyGly (K)	2610.3038
GlyGly (K)	1428.7936
GlyGly (K)	1557.913
GlyGly (K)	1410.8195
GlyGly (K)	2639.3014
GlyGly (K)	2704.2069
GlyGly (K)	2116.0913
GlyGly (K)	1896.8966
GlyGly (K)	1734.8472
GlyGly (K)	1211.651
GlyGly (K)	2678.3148
GlyGly (K)	2605.35
GlyGly (K)	1946.9599
GlyGly (K)	1859.8948
GlyGly (K)	2337.254
GlyGly (K)	2128.0873
GlyGly (K)	1960.0126
GlyGly (K)	2870.4424
GlyGly (K)	2318.1767
GlyGly (K)	2205.2117
GlyGly (K)	1720.8203
GlyGly (K)	2525.2908
GlyGly (K)	1495.8471
GlyGly (K)	2682.3937
GlyGly (K)	2758.3846
GlyGly (K)	2896.3801
GlyGly (K)	1742.9163
GlyGly (K)	2532.251
GlyGly (K)	1950.9072
GlyGly (K)	3015.3305
GlyGly (K)	2167.0514
GlyGly (K)	2160.0898
GlyGly (K)	2233.13
GlyGly (K)	2363.1639
Oxidation (M);GlyGly (K)	2379.1588
GlyGly (K)	2006.9076
GlyGly (K)	1316.6871
GlyGly (K)	1809.8089
GlyGly (K)	1861.9633
GlyGly (K)	2675.3151

GlyGly (K)	1997.9847
GlyGly (K)	1628.8482
2 GlyGly (K)	3712.7929
GlyGly (K)	1236.635
GlyGly (K)	2605.2984
GlyGly (K)	2424.1479
GlyGly (K)	1575.9097
GlyGly (K)	1464.8413
GlyGly (K)	1828.9167
GlyGly (K)	2261.0964
GlyGly (K)	1220.6051
GlyGly (K)	2652.3045
GlyGly (K)	2322.1928
GlyGly (K)	2591.1048
GlyGly (K)	1844.0003
GlyGly (K)	1732.8704
GlyGly (K)	2811.4039
GlyGly (K)	2071.0909
GlyGly (K)	1474.7701
GlyGly (K)	1773.8542
GlyGly (K)	1273.6779
GlyGly (K)	2847.2577
GlyGly (K)	1440.83
GlyGly (K)	1497.8515
GlyGly (K)	1814.901
GlyGly (K)	1480.7344
GlyGly (K)	1663.8417
GlyGly (K)	1819.9428
GlyGly (K)	1720.893
GlyGly (K)	1659.8866
GlyGly (K)	1798.965
GlyGly (K)	1487.7337
GlyGly (K)	1400.7008
GlyGly (K)	1811.9928
GlyGly (K)	2234.227
GlyGly (K)	2016.0422
GlyGly (K)	2104.0358
GlyGly (K)	2811.3233
GlyGly (K)	1569.8362
GlyGly (K)	2584.2253
GlyGly (K)	1954.0484
GlyGly (K)	2390.1689
GlyGly (K)	2109.0102
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GlyGly (K)	2674.3755
GlyGly (K)	3335.5697
GlyGly (K)	3321.554
GlyGly (K)	1800.9046
GlyGly (K)	2089.1796
GlyGly (K)	1381.7242

Oxidation (M);GlyGly (K)	1091.5645
GlyGly (K)	2490.202
GlyGly (K)	2140.2004
GlyGly (K)	2191.1671
GlyGly (K)	1272.6422
GlyGly (K)	2025.9967
GlyGly (K)	1882.9749
GlyGly (K)	1604.8774
GlyGly (K)	1828.9894
GlyGly (K)	2349.1277
GlyGly (K)	1418.7769
GlyGly (K)	1928.8509
GlyGly (K)	1990.9497
GlyGly (K)	1415.7157
GlyGly (K)	1367.7238
GlyGly (K)	3151.5197
GlyGly (K)	1198.6571
GlyGly (K)	1295.6874
GlyGly (K)	1609.8464
GlyGly (K)	2263.2325
GlyGly (K)	1398.7143
GlyGly (K)	2213.1216
GlyGly (K)	2418.204
GlyGly (K)	1340.6877
GlyGly (K)	2730.2973
GlyGly (K)	1883.8221
GlyGly (K)	1520.7769
GlyGly (K)	1490.7841
GlyGly (K)	1822.8308
GlyGly (K)	2022.0323
GlyGly (K)	1361.7415
GlyGly (K)	1228.6412
GlyGly (K)	3357.6172
GlyGly (K)	2125.1855
2 GlyGly (K)	2155.0692
GlyGly (K)	3259.5918
GlyGly (K)	2296.1084
GlyGly (K)	1769.9999
GlyGly (K)	2534.3816
GlyGly (K)	1750.9577
GlyGly (K)	3878.0466
GlyGly (K)	1661.8485
GlyGly (K)	3158.5178
GlyGly (K)	1257.7194
GlyGly (K)	2398.1223
GlyGly (K)	2276.1695
GlyGly (K)	1539.8481
GlyGly (K)	2192.0467
Oxidation (M);GlyGly (K)	2208.0416
GlyGly (K)	2438.19

GlyGly (K)	1609.8689
GlyGly (K)	1756.9506
Oxidation (M);GlyGly (K)	2257.1711
GlyGly (K)	1339.7684
GlyGly (K)	2582.1894
GlyGly (K)	2161.124
GlyGly (K)	1418.763
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1501.7559
GlyGly (K)	2079.0233
GlyGly (K)	1945.9759
GlyGly (K)	1720.8281
GlyGly (K)	2478.2179
GlyGly (K)	1675.8642
GlyGly (K)	1346.6943
GlyGly (K)	1474.7892
GlyGly (K)	1483.8259
GlyGly (K)	1832.9646
GlyGly (K)	2126.1246
GlyGly (K)	1848.8425
GlyGly (K)	1473.7437
GlyGly (K)	1362.7256
GlyGly (K)	1597.7525
GlyGly (K)	2804.4643
GlyGly (K)	1798.0717
2 Oxidation (M);GlyGly (K)	2233.1599
GlyGly (K)	2169.0828
GlyGly (K)	3126.5159
GlyGly (K)	2013.1483
GlyGly (K)	2816.4643
GlyGly (K)	2038.0782
GlyGly (K)	2707.3817
GlyGly (K)	2149.0197
GlyGly (K)	3772.8697
GlyGly (K)	3701.8326
GlyGly (K)	2329.1604
GlyGly (K)	2339.2155
GlyGly (K)	2962.3614
GlyGly (K)	2498.2289
GlyGly (K)	1384.7674
GlyGly (K)	1669.9111
GlyGly (K)	1735.8572
GlyGly (K)	2428.1408
GlyGly (K)	1133.573
GlyGly (K)	2118.0065
GlyGly (K)	2300.1662
GlyGly (K)	1858.9074
GlyGly (K)	1915.0527
GlyGly (K)	3295.7174
GlyGly (K)	1869.9836
GlyGly (K)	1627.941

GlyGly (K)	1760.8158
GlyGly (K)	3018.4782
GlyGly (K)	1825.9534
GlyGly (K)	1523.8056
GlyGly (K)	2710.2538
GlyGly (K)	2568.2537
GlyGly (K)	2393.2074
GlyGly (K)	1970.9882
GlyGly (K)	3146.5594
GlyGly (K)	1885.9745
GlyGly (K)	1477.8365
GlyGly (K)	1705.7366
GlyGly (K)	2531.1704
GlyGly (K)	2434.1401
GlyGly (K)	2096.0902
GlyGly (K)	1645.8312
GlyGly (K)	1748.8733
GlyGly (K)	2066.9909
GlyGly (K)	2258.1365
GlyGly (K)	2438.2006
GlyGly (K)	2018.9943
Acetyl (Protein N-term);GlyGly (K)	2981.3106
Oxidation (M);GlyGly (K)	1967.051
GlyGly (K)	1951.0561
GlyGly (K)	2045.0025
GlyGly (K)	1955.0436
GlyGly (K)	3062.5825
GlyGly (K)	1688.8733
Acetyl (Protein N-term);GlyGly (K)	1274.6466
GlyGly (K)	1308.631
GlyGly (K)	1710.9529
GlyGly (K)	1398.7831
GlyGly (K)	1753.7836
GlyGly (K)	1513.7988
GlyGly (K)	2062.0582
GlyGly (K)	1282.6227
GlyGly (K)	1626.9305
GlyGly (K)	2030.0909
GlyGly (K)	4341.0925
Acetyl (Protein N-term);GlyGly (K)	2051.9912
GlyGly (K)	2150.1947
GlyGly (K)	1871.9121
GlyGly (K)	3018.4975
GlyGly (K)	1246.6306
GlyGly (K)	2080.0477
GlyGly (K)	2540.2541
GlyGly (K)	2696.3552
GlyGly (K)	2073.0742
GlyGly (K)	1593.8185
GlyGly (K)	2391.1754

GlyGly (K)	2934.2938
GlyGly (K)	1630.8526
GlyGly (K)	1700.9309
GlyGly (K)	1753.837
GlyGly (K)	2250.2121
GlyGly (K)	2289.1165
2 GlyGly (K)	2619.2677
GlyGly (K)	2428.1805
GlyGly (K)	1605.8362
GlyGly (K)	3390.5319
Oxidation (M);GlyGly (K)	3406.5268
GlyGly (K)	1947.6824
GlyGly (K)	2263.048
GlyGly (K)	1132.5659
GlyGly (K)	1602.7308
GlyGly (K)	1503.7504
GlyGly (K)	1493.766
GlyGly (K)	2438.157
GlyGly (K)	2735.3405
GlyGly (K)	2263.04
GlyGly (K)	2836.2669
GlyGly (K)	2861.2791
GlyGly (K)	2170.9978
GlyGly (K)	3468.6128
Acetyl (Protein N-term);GlyGly (K)	1935.9273
GlyGly (K)	1151.5571
GlyGly (K)	1701.817
GlyGly (K)	2021.0429
GlyGly (K)	1721.8771
GlyGly (K)	2596.214
GlyGly (K)	2201.0501
Oxidation (M);GlyGly (K)	2414.124
GlyGly (K)	2398.1291
GlyGly (K)	1831.9541
GlyGly (K)	3666.7834
Acetyl (Protein N-term);GlyGly (K)	1807.8298
Acetyl (Protein N-term);GlyGly (K)	2022.9568
Acetyl (Protein N-term);GlyGly (K)	2598.1722
GlyGly (K)	1369.7678
GlyGly (K)	2398.0972
GlyGly (K)	1809.9585
GlyGly (K)	1688.8945
GlyGly (K)	2098.0767
GlyGly (K)	1969.9341
GlyGly (K)	1977.8552
GlyGly (K)	1952.9302
GlyGly (K)	2249.0899
GlyGly (K)	2102.0354
GlyGly (K)	2230.1304
GlyGly (K)	1841.9557

Oxidation (M);GlyGly (K)	1875.907
GlyGly (K)	1859.9121
GlyGly (K)	2315.0488
Acetyl (Protein N-term);GlyGly (K)	2622.2297
Acetyl (Protein N-term);GlyGly (K)	1661.8625
GlyGly (K)	2005.9705
Acetyl (Protein N-term);GlyGly (K)	1701.8533
GlyGly (K)	1345.6838
GlyGly (K)	1635.7199
GlyGly (K)	2400.1479
GlyGly (K)	1843.9024
GlyGly (K)	2548.2154
GlyGly (K)	2128.9735
Acetyl (Protein N-term);GlyGly (K)	1971.0062
Acetyl (Protein N-term);GlyGly (K)	2099.1011
GlyGly (K)	2573.2821
GlyGly (K)	2262.0191
GlyGly (K)	1781.8043
GlyGly (K)	2625.2341
GlyGly (K)	2414.2363
GlyGly (K)	2539.2529
GlyGly (K)	1571.7468
GlyGly (K)	2372.0854
GlyGly (K)	1493.6998
GlyGly (K)	1998.9018
GlyGly (K)	1821.9949
GlyGly (K)	1807.8628
GlyGly (K)	2303.107
GlyGly (K)	1570.8315
Acetyl (Protein N-term);GlyGly (K)	1574.7788
GlyGly (K)	1727.9418
GlyGly (K)	2952.4829
GlyGly (K)	1510.8355
GlyGly (K)	2551.3395
GlyGly (K)	1151.5823
GlyGly (K)	1015.5662
GlyGly (K)	2493.1792
GlyGly (K)	2305.122
GlyGly (K)	1828.9869
Oxidation (M);GlyGly (K)	1844.9819
GlyGly (K)	2240.2012
GlyGly (K)	2901.3476
GlyGly (K)	3227.37
Acetyl (Protein N-term);GlyGly (K)	3344.6597
GlyGly (K)	1808.8792
GlyGly (K)	2864.404
GlyGly (K)	3001.3398
GlyGly (K)	3711.7031
GlyGly (K)	3349.5079
GlyGly (K)	1412.6896

Acetyl (Protein N-term);GlyGly (K)	2059.0586
Acetyl (Protein N-term);GlyGly (K)	2187.1535
Acetyl (Protein N-term);GlyGly (K)	2087.0899
Acetyl (Protein N-term);GlyGly (K)	2215.1848
Acetyl (Protein N-term);GlyGly (K)	2107.0433
Acetyl (Protein N-term);GlyGly (K)	2283.1707
GlyGly (K)	1425.6736
GlyGly (K)	1759.8952
GlyGly (K)	2107.991
GlyGly (K)	1144.62
GlyGly (K)	1570.7991
GlyGly (K)	2234.1947
GlyGly (K)	1860.8854
GlyGly (K)	1537.7559
GlyGly (K)	1595.8056
GlyGly (K)	2675.3225
GlyGly (K)	1392.715
GlyGly (K)	2609.2986
GlyGly (K)	1999.9363
GlyGly (K)	2593.1656
GlyGly (K)	1636.8097
GlyGly (K)	1255.6561
GlyGly (K)	1568.7981
GlyGly (K)	1260.6503
GlyGly (K)	1564.8249
GlyGly (K)	1634.8516
2 GlyGly (K)	1707.8866
GlyGly (K)	1722.8975
GlyGly (K)	1839.9479
GlyGly (K)	2745.2817
GlyGly (K)	1312.6412
GlyGly (K)	1311.6571
GlyGly (K)	1713.8699
GlyGly (K)	1635.8151
Oxidation (M);GlyGly (K)	1651.81
GlyGly (K)	3637.5362
GlyGly (K)	1356.7262
GlyGly (K)	1205.6557
GlyGly (K)	1988.9587
Oxidation (M);GlyGly (K)	2004.9537
GlyGly (K)	1981.9323
Acetyl (Protein N-term);GlyGly (K)	1929.9717
Acetyl (Protein N-term);Oxidation (M);GlyGly (K)	1945.9667
Acetyl (Protein N-term);GlyGly (K)	1128.6251
Acetyl (Protein N-term);GlyGly (K)	2017.9593
GlyGly (K)	3135.4828
GlyGly (K)	1999.9707
GlyGly (K)	2293.1074
GlyGly (K)	2521.0663
GlyGly (K)	1875.9479

GlyGly (K)	2411.1176
GlyGly (K)	2872.3774
GlyGly (K)	1460.6684
GlyGly (K)	2101.0036
GlyGly (K)	3108.4856
GlyGly (K)	1131.6037
GlyGly (K)	2456.0954
GlyGly (K)	2213.1077
GlyGly (K)	2728.2704
Acetyl (Protein N-term);GlyGly (K)	2133.0491
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Oxidation (M);GlyGly (K)	1185.57
Acetyl (Protein N-term);GlyGly (K)	1696.8243
Acetyl (Protein N-term);GlyGly (K)	1576.7805
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Acetyl (Protein N-term);GlyGly (K)	2324.2488
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Oxidation (M);GlyGly (K)	2403.0255
GlyGly (K)	3513.5237
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2 Oxidation (M);GlyGly (K)	1905.8635
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GlyGly (K)	1592.808
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Oxidation (M);GlyGly (K)	1865.9921
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Oxidation (M);GlyGly (K)	2296.0542
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GlyGly (K)	3062.4945
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Oxidation (M);2 GlyGly (K)	1820.8687
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GlyGly (K)	1289.7191
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GlyGly (K)	2034.9607
GlyGly (K)	1411.6514
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GlyGly (K)	2236.1045
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Acetyl (Protein N-term);GlyGly (K)	1496.8059
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Oxidation (M);GlyGly (K)	3209.5512
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Acetyl (Protein N-term);GlyGly (K)	2443.2343
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Oxidation (M);GlyGly (K)	1936.9598
Oxidation (M);GlyGly (K)	1774.94
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2 GlyGly (K)	2303.1467

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Oxidation (M);GlyGly (K)	1321.6482
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Oxidation (M);GlyGly (K)	2271.9228
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GlyGly (K)	2169.1212
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Oxidation (M);GlyGly (K)	1622.7399
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GlyGly (K)	1286.6765
GlyGly (K)	3711.8679
Oxidation (M);GlyGly (K)	3727.8628
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GlyGly (K)	1351.7394
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Oxidation (M);GlyGly (K)	2076.0344
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Oxidation (M);GlyGly (K)	1567.8868
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Oxidation (M);GlyGly (K)	1729.8094
Oxidation (M);GlyGly (K)	1914.9469
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GlyGly (K)	2117.0575
Oxidation (M);GlyGly (K)	3011.5858
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GlyGly (K)	1580.7691
2 Oxidation (M);GlyGly (K)	2783.3326
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Oxidation (M);GlyGly (K)	2082.9099
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Oxidation (M);GlyGly (K)	997.5015
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Oxidation (M);GlyGly (K)	2548.205
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GlyGly (K)	1794.8312
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Oxidation (M);GlyGly (K)	2769.2222
GlyGly (K)	2747.1473

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2 GlyGly (K)	2133.1178
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Oxidation (M);GlyGly (K)	2363.1104
GlyGly (K)	2347.1154
GlyGly (K)	1622.7035
GlyGly (K)	1483.7056
GlyGly (K)	3063.425
GlyGly (K)	1703.7825
GlyGly (K)	1740.8029
GlyGly (K)	1784.8217
GlyGly (K)	2098.0484
GlyGly (K)	1357.6237
Oxidation (M);GlyGly (K)	1373.6187
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GlyGly (K)	2099.8895
Oxidation (M);GlyGly (K)	2115.8844
GlyGly (K)	2391.1383
GlyGly (K)	1211.655
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GlyGly (K)	3573.6875
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GlyGly (K)	1801.9298
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GlyGly (K)	1621.806
GlyGly (K)	2147.1011
Oxidation (M);GlyGly (K)	2108.046
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2 GlyGly (K)	3007.4862
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Oxidation (M);GlyGly (K)	2164.9947
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GlyGly (K)	2434.1513
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Oxidation (M);GlyGly (K)	2127.928
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GlyGly (K)	2179.9667
GlyGly (K)	1585.781
Oxidation (M);GlyGly (K)	1601.7759
GlyGly (K)	2381.2301
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GlyGly (K)	2486.2111
GlyGly (K)	1641.8475
GlyGly (K)	1798.8421
GlyGly (K)	2023.0011
GlyGly (K)	1450.782
GlyGly (K)	1494.7718
Oxidation (M);GlyGly (K)	1522.6722
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GlyGly (K)	1553.809
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Q62108-3;Q62108;Q62108-2
Q62108-3;Q62108;Q62108-2
O08599;O08599-2
B1ATZ0;B1ATZ1;Q3UMA3;Q99LI8;B1ATY9
P61358;A2A4Q0
D3YW62;Q9CWT3
Q6PGJ3;A2AFG7;A2AFG8;P11627
F6QC57;Q5U430;Q5U430-3
P61202;P61202-2;A2AQE4
Q8K0T0;Q7M6W1;A3QM89
P60670-2;P60670
Q9CQU5;A0A1W2P7M1
A0A087WSJ9;A0A087WPW1;F6WDS8;A0A087WQG6;A0A087WZN9;A0A087WRP8;A0A087W
P03975
Q8VE19
E9QJY0;P18581;P18581-2
Q8JZS0;Q3TUM0
O88952
G3UX23;Q3UW64;Q91WG8;G3UYD5
P07724
P20357;G3UZV6;G3UZJ2
P20357
Q9DBC0
P99027
P30873
Q3U4W8;P56399
P60762-2;P60762;A0A087WQB0;A0A087WQ34
P60766
O70172;F6RJE8
E9Q4Z6;Q8C008

O88532;F6V459
A0A0R4J2C2;P46097
Q9R0N5
P46096
Q8C4G3;Q8C288;A2AQC3;O70228
A0A0N4SUZ6;Q9ERB5
Q9JJV2;D3YWS3;Q9JJV2-2
P70296;D3Z1V4
Q8VE73-3;Q8VE73;F6Q1R4
A2ARP8;Q9QYR6;Q9QYR6-2
E9Q3B9;D3YYS6;O35678;Q3UFN1;O35678-2
Q8BGG7;Q8BGG7-2
Q3UH93
Q8K596;Q8K596-2
E9Q8P6;E9PYK0;Q8VCW4
D3YY42;D3Z5F9;A0A140LHN0;Q9CX30-2;Q9CX30
F8WIG2;A0A1B0GT88;Q68EF6
Q9JLV5;E9Q4T8
Q61672
P42669
E9Q5I9;Q9WVJ2;E9Q0U1
P07901

Gene Names

Psmc4

Gng2

Gng2

Sep-06

Tomm70a

Adgrb2;Bai2

Cand1

Ccndbp1

Efnb1

Rbx1

Sep-11

Sgtb

Ppp2r1a;Ppp2r1b

Marcks1

Snd1

Sgta

Mfsd6

Vps52

Ppm1b

Cnm1

Inpp5a

Gcn1l1

Wbp2

Ankfy1

Sh3glb2

Lypla2

Cnr1

Ncam1

Ncam1

Cnp

Ppp1r9b

Stxbp1

Mat2a

Akr1a1

Nutf2

Glyr1

Abcb1a;Abcb1b

Abce1

Phb

Slc13a3

Sec23ip

Dpysl3

Crmp1

Crmp1

Trim23

Napb

Celf2

Celf2

Cplx2
Mpp2
Gsn
Slc40a1
Alad
Syt4
Evi5l
Evi5l
Ttc39b
Psd
Hspa12b
Rala
Fundc2
Fundc2
Fundc2
Sord
Aldoa;Aldoart1
Napg
Hk1
Hk1
Phb2
Gap43
Aqp4
Aqp4
Taldo1
Vti1b
Pink1
H2afy
Eno1
Ca2;Car2
Synpo
Prrt2
Pfdn1
Psmg1
Arpc1a
Gad2
Gap43
Dcun1d1
Ube2v1
Ncam1
Ttc9b
Uba1
Arhgef2
Ppp3ca;Ppp3cb;Ppp3c
Prpf8
Ctnnb1
Fbxw11;Btrc
Atp1a1;Atp1a2;Atp1a3
Pgk1
Ubiad1

Hbb-b1
Hnrnpa0
Add1
haemaglobin alpha 2;I

Pgam1
Psmc3
Sssca1
Epn2
Hebp1
Zfyve9
Hgs
Arrb1
Cacna1b;Cacna1e;Cac
Xpo1
Rbm38;Rbm24
Iqsec1
Eno2
Cmas
Ywhab
Ywhaz
Ankib1
Atp1a3
Atp1a1
Atp1a1
Atp1a2
Atp1a2
Actr1a
Slc13a3
Vamp1
Vamp1
Vamp2;Vamp3
Vamp2;Vamp3
Vamp2;Vamp3
Ankib1
Aldoa;Aldoart1
Pin1
Hint1
Add2
Snrrnp200
Cav1
Cnp
Rps21
Rps8
Psmc6
Map6
Ppp1cc
Atp6v0a2
Itm2c
Itm2c

Itm2c
Alyref2;Alyref
Slc25a22
Oxr1
Utrn
Klf13
Rnf141
Hsp90aa1;Hsp90ab1
Map2k1
Sorbs2
Map4
Impact
Efr3a
Neurl4
Kif5c
Cend1
Gnb1
Gnb1
Map2

Rala
Pias1
Ephb2
Cspp1
Dcps
Mad1l1

Sep-07

Tcaf1
Cand1
Eif1ax;Eif1a
Ccadc50
Fam213a
Gga3
Rpl29;Gm17669
Rgs19
Nap1l5
Gap43
Gm6576;Gm5786;Rps
Gm6576;Gm5786;Rps
Kifc2
Gjc2
Arpp19
Ttc39b
Map1b
Basp1
Stambp
Kif3a
Cacna1e
Arhgdia
Pllp

Plip
Basp1
Atxn10
Hgs
Pkm
Abcf3
Zc2hc1a
Bnip3
Cit
Wrb
Eps15
Acaa1a
Scd2;Scd3;Scd4;Scd1
Phf3

Scamp5
Tpm3
Pspc1
Thbd
Gmps
Gcc2
Pfdn6

Ndrg2
Ndrg2
Abi1
Tpm1
D6Wsu163e
Palm2
Nsf
Pgk1
Basp1
Peg3
Epb41l3
Usp35
Sult4a1
Dctn1
Alb
Kif5a
Uba3
Dynlrb1
Ccar1
Ap3b2
Prpf6
Eif4a1
Gpr37l1
Nploc4
Kcnab2
Camk1d;Camk1
Brsk2

Rdx
Rab11b
Arrb1
Vcp
Slc2a3
Slc2a3
Slc2a3
Mfap3l;Mfap3
Mpp6
Zwint
Kcnma1
Nploc4
Otub1
Aif1
Tkt
Atp6v0d1
Rps20
Rps20
3110043O21Rik
Ubr2
Hmgcs1
Sema5a
Bub3
Lancl1
Mical3
Tspyl1
Cdk9
Abcc5
Farsa
Nsfl1c
Ppp2cb
Ppp2cb
Npc1
Abr
C1qbp
Anks1b
Rplp0
Srpk2
Plcb1
Camk2d;Camk2a
Camk2b;Camk2g
Pacsin1
Basp1
Basp1
Flad1
Wrnip1
Papss2
Papss1
Kidins220
Actr1a;Actr1b

H2afy2
Srcin1
Gpr162
Gpr162
Ank3
Mblac2
Acly
Slc12a5
Kif1b
Pkm
Cltc
Mpp6
Faah
Vps33b
Tpm4
Fubp1;Khsrp
Ank2
Ncam1
Wfs1
Atp1a2
Adcy2
Bai3;Adgrb3
Tbc1d24
Cyb5a
Cnp
Cnp
Gap43
Slc8a2
Slc8a2
Myo6
Sptan1
Tpm3;Tpm3-rs7
Ckb
Rpl7a
Dpp8
Rab6a
Ank3
Lin7b
Ptrf

Sep-05
Sep-05

Hdac11
Ap1m1
Dock7
Scd2;Scd3;Scd4;Scd1
Cltc
Ccny
Ube2g1
Adcy8
Faf2

Gsk3b
Ppp1cc;Ppp1ca;Ppp1c
Rpl18a
Nrsn1
Nrsn1
Sec23ip
Sec23ip
Lrrc57
Abcc4
Cnp
Atp2b3
Adcy5
Eml3

Armc6
Napb;Napa
Napb;Napa
Sgtb
Atp2b2
Atp1a1;Atp1a2;Atp1a
Atp9a
Atp2b1
Atp2b4
Slc4a4
Rabep1
Tnik
Napa
Dst
Clcn2
Napb
Dlgap1
Ckb
Pabpc4;Gm10110;Pab
Prkar1a
Lin7a
Stam
Ap1s2
Adcy9
Cnp

Sep-03

Sep-03

Sgta
Dpysl3
Psm5
Vcp
Add1
Clta
Actl6b
Chmp6
Hk1

Nup155
Slc23a2
Anxa6
Nckap1
Dync1h1
Ctnnb1
Rmdn3
Atp6v1e1
Cyfip1;Cyfip2
Abcb6
Scaf1
Prkar1b
Rpl24
Zzef1
Ppap2b
Dnajc11
Atp2a2;Atp2a1;Atp2a1
Ndfip2
Pex5l
Fndc9
Tacc1
Rad23a
Atp2b1
Dnal1
Tbc1d10b
Fgf13
Scrn1
Atp2a2
Bcat1
Vps18
Gpm6b
Pabpc4;Gm10110;Pab
Atp6v1a
Eif3c
Rab6a
Evi2a
Gfap
Itpr1
Adcy9
Pik3c3
Cacna1e
Rwdd1
Hsp90ab1
Rdx
Uchl3
Huwe1
Ezr
Msn
Mfsd2a
Atp2c1

Ap2b1
Epb4.1l2;Epb41l2
Sv2b
Gad1
Smarcc2;Smarcc1
Usp9x
Anxa6
Anxa6
Atp6v0d1
Vps33a
Ubc;Ubb;Gm8797;Uba
Sfn;Ywhaz;Ywhaq;Ywl

Atp6v0d1
Syt3
Ap2a1
Vezt
Fasn
Tln2
Tmem192
Tmem192
Psmc3
Psmc3
Map6
Pex19
D430041D05Rik
Epha4
Snd1
Gm10020;Rpl15
Epn1
Atp2b2
Aes
Sptbn1
Usp22
Herc2
Arfgap1
Stmn2
Fasn
Ryr2
Nefl
Atp2b4
Armc1
Vapb
Rac1;Rac3
Eps15
Ttyh3
Ttyh3
Ppp1cb
Hist1h1c;Hist1h1t;Hist
Gnaz

Cct8
Taldo1
Cspg5
Fbxl17
Aldoa
Ctbp1;Ctbp2
Stub1
Psmc2
Scn2a1
Scn2a1
Scn2a1
Atp6v1a
Cst3
Psmc5

Abca5
Pabpc1;Pabpc6;Pabpc
Pabpc1;Pabpc6;Pabpc
Ank3
RbmX;RbmXl1
Rnf14
Lonrf2
Map2k6;Map2k3
Fbxo41
Nbea
Sgta
Fkbp4
Ccdc50
Pgk1

Scg2
Dlg4;Dlg1
Fam120b
Ppm1a
Ppm1b
Kars

Sep-05

Actr10
Cct8
Sucla2
Slc38a9
Fads2
Lypla1
Lypla2
Wdr35
Usp5
Appbp2
Lrrc7
Gdap1
Nae1

Uck1
Ephx4
Kifap3
Zer1
Rxfp3
Srr
Fryl
Fry
Gria2
Purb;Pura
Atp9b
Cluh
Gtf3c3
Gltf
Wdr7
Gkap1
Slc4a1
Unc45a
Dnm1;Dnm3
Dnm1;Dnm3
Ank2;Ank3;Ank1
Ttc5
Pgam1
Gstp1;Gstp2
Aldoa;Aldoart1;Aldoar
Slc16a6
Sptbn2
Sptbn1;Sptbn4;Sptb
Acsl6
Tacc1
Psmc6
Fasn
Dnajb2
Dnajb2
Atp6v1e1
Psd
Myo5a
Lrrc8b
Katnal1
Slc12a9
Ppia;Gm5160
Trove2
Atxn10
Ngly1
Anapc5
Tubb2a;Tubb2b
Tubb5
Kcnh5
Kcnh7
Phgdh

Pfkm
Vps13a
Rpl29;Gm17669;Gm3!
Srcin1
Cul3
Ddb1
Grin2b
Sf3b3
Snx18
Stam2
Dlc1
Cav1
Cyfip2
Smg1
Celf2
Cops3
Gnao1
Gnao1
Gnaq
Pgam1
Dos
Anxa6
Gna11
Dpysl5
Anxa4
Anxa11
Anxa11
Anxa7
Anxa6
Anxa6
Anxa5
Scn8a
Hip1
Cfap36
Tmem30a
Tmem30a
Tmem30a
Hspbp1
Cox6b1
Hspa2;Hspa8
Epn1
Lin7c
Dlg4
Dlg4
Peg3
Arpc5;Gm16372
Ptprd
Eif3a
Kdr
Smcr8

Kif5c
Cct8
Slc4a1
Hnrnpul2
Hnrnpul2
Arhgap44
Snrpa
Rab10
Chmp2a
Fundc1
Prmt1
Akap6
Brp
Mdh2
Rala;Ralb
Acsbg1
Tmem9b
Cltc
Rhot2

Hcn1
Slc30a1
Mapk3;Mapk1
Sirpa
Alcam
Fxyd6
Mcam
Scnn1g
Cct8
Nrsn1
Gpr162
Trio
Ubxn7
Ubxn7
Tspyl4
Bai1;Adgrb1
Myo6
Myo6
Zdhhc8
Bud31
Abhd4
Slc43a1
Slc30a1
Tab3
Golgb1
Map2
Map4
Rpl29
Huwe1
Atp2b1

Acin1
Glrx
Ppid
Bai1;Adgrb1
Bai1;Adgrb1
Myh14
Cenpe
Yes1
Kif1b
Nup205
Itm2a
Dcun1d1
Dcun1d1
Plekha5
Pik3c2a
Ppp1r9b
Rab24
Rnf145
Atp8a1

Stxbp1
Nae1
Scamp1
Scamp1
Celf4;Celf6;Celf3
Celf4;Celf3
Cadps
Cadps
Celf5
Sorbs1
Sptbn1
Sorbs2
Hint1
Usp5
Ina
Grin1
Atp6v1e1
Syt13
Got2
Map1b
Hars
Hmgcr
Atp6v1c1
Dpysl4
Slc20a2
Rangap1
Gm20390;Nme2
Nisch
Mfsd6

Ap2m1

Aars

Vcp

Vcp

Vcp

Brsk1

Slc45a1

Slc35g2

Rpl8

Hist1h1c;Hist1h1d

Cfl1

Cfl1

Hk1

Cfl2

Gphn

Slc24a2

Sep-02

Trim2

Rbbp7

Fry

Kif2a;Kif2b

Bex4

Atp6v1a

Scn2a1

Kcnab1

Fabp5

Kcnab2

Cacna1b

Psme3

Nisch

Nisch

Cct2

Atp5j2

Def6

Psip1

Copa

Smarce1

Synpo

Stam

Strn4

Prkar1b

Napepld

Atp6v1g1

Atp6v1g2

Ddx11

Stmn1

Stmn1

Hmgcs1

Cetn4

Sphkap
Csnk1a1
Hgs
Ogt
Slc1a2
Slc1a2
Ccny;Ccnyl1
Nsf
Nsf
Nsf
Stmn3
Stmn3
Plcxd3
Dctn2
Cct5
Dlgap1
Islr2
Psmc6
Grb2
Psmc5
Lin7a
Gcc1
Hspa12a
Ube2v1;Gm20431
Prdx1
Tmem119
Efhd2
Gnb5
Safb
Kcna6
Slc6a1
Slc6a1
Slc6a1
Slc6a1
Psd3
Ptrf
Stxbp3
Aldh3b1
Prkacb
Ncl
Tada1
Hist1h1b
H2afv;H2afz
H2afv;H2afz
Smarca4
Rab7a
Otud5
Syne2
Bcas1
Ttc37

Ttc37
Fscn1
Nefm
Clip2
Uba1
Kars
Ankrd13d
Ankrd13d
Acot7
Ncbp1
Dok4
Ccdc160
Cend1
Cend1
Dlgap1
Fasn
Glul
Mras
Vasn
Gap43
Picalm
Ruvbl2
Pfkf
Hk1
Reep5
Itpr1
Ywhag
Psmc3
Cuedc2
Gabra3
Jph4
Atp1a1
Atp1a1
Vcl
Syndig1
Kiaa1033
Uqcrc2
Cstf2;Cstf2t
Psmc6
Dpysl3;Crmp1
Snap91
Snap91
Sod1
Pex5
Rpl10a
Dlg3
Dlg2;Dlg1
Uros
Eno2
Glmn

Nefm
Slc9a3r2
Usp25
Lin7c
Psat1
Tomm70a
Kitlg
Wdr7
Cux1
Gng4
Atp1a2
Atp1a2
Atp1a3
Atp1a1
Dpysl2
Crmp1;Dpysl4
Gapdh;Gm3839
Shisa9
Dstn
Dynll2
Ubac1
Slc1a2
Zzef1
Rpl27
Myh10
Nedd4l
Prmt10;Prmt9
Tmem41b
Cdc42
Cdc42
Akap11
Dlgap2
Dhdh
Rac1;Rac3
Rac1
Pdc6ip
Cfl2
Cfl1
Cfl1
Rpsa
Rhog
Pakap;Akap2
Mar-11
Cltc
Arl15
Vdac1
Tardbp
Abcg4
Akap7
Otud1

Dclk1
Ube2v2
Rad23a
Hist1h2bc;Hist1h2bh;l
Dst
Abcd3
Stxbp1
Acsbg1
Cd81
Cul5
Mat2a
Pitpnc1
Atp6v1b2
Grm8
Grm4
Dpysl2
Ap2b1
Sorbs2
Ttyh1
Hectd1
Pacsin1
Purb
Cacna1e
Cacna1e
Cacna1e
Pcmt1
Tmub1
Map6
Papss1
Pacsin1
Cdc23
Gdi2
Gdi2
Gnaz
Glul
Chm
Napg
Apoa2
Atp1b1
Grcc10
Tuba4a;Tuba1b;Tuba1
Tuba4a;Tuba1b;Tuba1
Rpl37
Rtn4
Sqstm1
Gprc5b
Gprc5b
Gprc5b
Mpp6
Slc26a9

Ywhag
Ywhag
Gcn1l1
Capza2
Farp1
Abhd12
Tbck
Zwint
Nap1l1
Dst
Dgkb
Atp1a3
Atp1a3
Stxbp1
Stxbp1

Mar-01

Atp2b2
Sstr4
Rps27a
Usp27
Pkm
Mtpn
Mtpn
Nap1l5
Psm6
Mettl9
Prkcb
Prkcb
Cbr3
Slc30a1
H2afy
Lims2
Ankrd6
Ncdn
Cfap36
Ank2
Ank2
Uchl1
Rplp0
Atp2b1
Cops3
Prdx6b
Ift172
Glx3
Atp2b2
Atp2b2
Atp2b3
Atp2b1
Atp2b1
Atp2b4

Prkaca
Ppp2cb;Ppp2ca
Dnmt1
Tmem55b
Acsl6
Prkcg
Rnf141
Cdc37
Atp5f1
Glul
Atp1a3
Atp1a3
Clcn6
Znf330
Sorbs2
Tomm40
Add2
Glrb
Tpm2
Gdi1
Gdi2
Atp2a2

Sep-06

Sep-06

Fnbp1
Slc1a2
Fnbp1l
Mib1
Ap2b1;Ap1b1
Napb
Napa
Arfgef3
Rnf14
Ccdc115
Rnf122;Rnf24
Utrn
Znf330

Kif1a
Tollip
Tollip
Hspa8
Hspa8
Hspa8
Cltc
Dmd
Vdac3
Pcdhac2
Tmem55a
Actb;Actg1

Actb;Actg1
Abca3
Map3k12
Dpp9
Aldoa;Aldoart1;Aldoar
Gak
Hap1
Gpr155
Synpo
Nsf
Spred1
Golga7
Neu3
Soga3
Uso1
Glyr1
Lrrtm2
Lmnb2
Wdr7
Usp34
Aldoa;Aldoc
Ppap2b
Dnm1
Tpm3
lgsf11

Atp1a1
Atp1a1
Ubr4
Atp1a2
Atp1a2
Sqstm1
Gnb5
Psmc3
Tpm3;Tpm3-rs7
Cfl1
Oxct1
Hsph1
Tmem55a
Fasn
Rnf13
Opn3
Bpnt1
Phf5a
Camk2b
Camk2a
Alad
Aldoa
Aldoa
Aldoc

Mib1
Cul9
Peg10
Copa
Elavl4;Elavl2
Dmd
Epb41l3
Pde6d
Psmc3
Parva
Usp25
Rad23a;Rad23b
Psmc2
Pgam1
Myo1b
Rab39b
Fam49a
Atp1a3
Atp1a1
Actn1
Ap2s1
Slc12a5
Prkcb
Sptbn1
Dscaml1
Impact
Sptbn1
Peg3
Rrbp1
Fbxo3
Pde2a
Cct4
Pkp4
Psmc6
Qki
Elavl3
Elavl4;Elavl2
Gpm6b
Gpm6b
Stmn3
Abce1
Abce1
Lppr4
Eno1
Eno2
Atp5b
Vps45
Dync1li2
Epb4.1l1;Epb41l1
Arf1;Arf3

Arf1;Arf3
Arf5
Hist1h4a
Slc12a2
Pacsin1
Ubxn2a
Gja1
Pfdn5
Ncs1
Hpca
Arpc2
Actb
Peg3
Irgm1
Irgm1
Npy1r
Sptbn1
Prepl
Pitpnb
Atp2b4
Eif3j1;Eif3j2
Hcn1
Emd
Nmnat2
Rac1;Rac2
Tcp1
Myo5a
H2afy
Atp6v1e1
Cuedc2
Scd2
Sub1
Cdc42
Acsbg1
Kctd3
Spred1
Rere
Usp9x
Usp9x
Usp9x
Usp9x
Sptan1
Bin1
Mgea5
Ggt7
Eprs
Nsfl1c
Herc2
Slc12a2
Snupn

Cacna1b
Cacna1b
Chp1
Ola1
Uba1
Fbxo31
Clic4
Sdc4
Rps3
Rnf24
Rmnd5a
Smc1a
Gbp7
Itm2b
Snrrnp200
Cacna1a
Cacna1e
Itpr1
Ptpfr
Ptpfr
Add2
Ndfip1
Ncam1
Sec24b
Rpl35a
Tmem30a
Nckap1
Apbb3
Apbb3
Stam
Zfyve28
Vti1b
Map1b
Map1b
Glrb
Ccdc160
Lppr5
Snx2
Unc5c
Slc12a5
Slc12a5
Atxn7l3b
Slc6a6
Tom1l2
Ankrd13a
Ube3a
Ktn1
Ndufb10
Jak1
Kcnh5;Kcnh1

Znf598
Nap1l5
Nap1l5
Sec14l1
Tmem63b
Dlg3
Dync1h1
Map1a
Copb2
Eif4a2
Arrb1
Ptprj
Mapre2;Mapre1
Mapre3
Aldoa;Aldoart1;Aldoc
Kcnq2
Calm1
Pls1
Neurl4
Rbbp5
Lrrc8d
Pls3
Csde1
Ddx1
Spag9
Spryd7
Kcnj2
Apc1a
Syn2
Ncald
Ptprz1
Fabp5
Ank3
Camk2a
Camk2b
9530068E07Rik;Kct2
Rhbd1
Peg10

Acat1
Cops3
Padi2
Rufy3
Atp1a1;Atp1a2;Atp1a3
Slc24a2
Ktn1
Rnf14
Ubp2l
Uba6
Dtx1

Ablim1
Camkv
Psm3
Rab11b;Rab11a
Fasn
Syngap1
Klc2;Klc1;Klc4
Atp6ap2
Bnip3l
Pgm1;Pgm2
Narf
Sorbs2
Grin2b
Ywhaz
Impdh2
Impdh2
Mysm1
Nsf
Nsf
Srsf1
Ndufv2
Fam73a
Vdac2
Psp1
ldh1
Smarcc2
Smarcc2
Spg20
Hspd1
Flot1
Rufy2
Padi2
Acsbg1
Insr
Aars
Psm7
Tbc1d12
Prkcb
Hint3
Cdh12
Dclk1
Dclk1
Map1b
Map1b
Map1b
Map1b
Map1b
Gsk3b
Gsk3b
Gsk3a

Pak1;Pak3

Pak1;Pak3

Pak2

Atp6v1a

Arfgef2

Pnck

Stxbp1

Stxbp1

Stxbp1

Prdx6

Acsl1

Sptan1

Sptan1

Cacna1b;Cacna1a

Ap2b1

Daam1

Capza2

Alad

Dlg2

Rps26

Pclo

Prdx1

Arih1

Pank1

Pithd1

Kcnh5

Map1a

Pex3

Rnmt

Atp2a2

Vac14

Ptprc

Maoa

Snx13

Syngap1

Bai1;Adgrb1

Tmem63b

Kcnk1

Mib1

Sema6b

L1cam

Tnr

Wdr7

Psmd2

Tmem215

Myo5a

Drg1

Scn2a1

Scn2a1

Usp19
Tbl1xr1
Usp4
Sfpq
Cops5
Itgb8
Rps25
Lonrf2
Ptprn2
Tbrg4
Adcy5
Hmgcs1
Plcb1
Dennd6b
Ngef
Ptprg
Unc13b;Unc13c;Unc13d
Rnf185
Rnf20
Hspa8
Syngap1
Ube2n
Atp1a1
Atp1a1
Atp1a1
Eno2
Map1a
Map1a
Sptan1
Ldha
Khyn
Cnnm2
Cnnm4
Arl8a
Hnrnpk
Map2
Amph
RtcA;Rtca
Usp20
Scn1a
Slc6a15
Slc6a15
Atp1a3
Atp1a3
Atp1a3
Shisa7
Ascc3
Sbds
Itpr1
Kcnip2

Ndrp4
Plxnd1
Dnajb2
Dync1i2
Pi4k2a
Cacybp
Cit
Mpp2
Cluh
Adcy9

Cpne3
Hdgfrp3
Rptor
Cpne6
ldh3a
Pik3r4
Dpysl5
Rnf187
Anxa6
Sptan1
Zer1
Ap3d1
Camk2d
Camk2a
Camk2a
Camk2a
Camk2a
Tpt1
Mark3;Mark1;Mark2
Tpp2
Ccnc
Prkcg
Necab1
Dennd5b
Camk2d;Camk2a;Cam
Camk2b;Camk2g
Camk2a
Brsk1
Pnck
Ube3b
Celf4
Celf4
Cdk17;Cdk18;Cdk16
Cdk5
Mapk9;Mapk8;Mapk1
Mapk9;Mapk8;Mapk1
Mapk14
Syne1
Smim18

Smarcd1
Aak1
Kif5a
Kif5a
Ptpn23
Pfkp
Rps27
Actn4;Actn1;Actn3;Ac
Usp7
Cdk5
Slc6a15
Rgs20
Anxa6
Sorbs2
Syt4
Hprt1
Kif5c
Sptan1
Hcn1
Scn2a1
Rufy3
Pnmal2
Zdhhc20
Arl8b
Plxnc1
Dync1h1
Slc2a1
Slc2a1
Hnmt
Snap47
Syt1
Syt1
Pfkp
Sec23a
Camsap1
Pcna
Nbea;Lrba
Stmn2;Stmn1
Stxbp1
Anp32a
Anp32e
Cyp2d22;Cyp2d26
Actb;Actg1;Acta2;Actg
Actb;Actg1;Acta2;Actg
Neu3
Map1b
Sptan1
Map1b
Anxa5
Hectd1

Synj1
Rtn3
Zmpste24
Gtf3c3
Atp1a1
Ncam1
Ncam1
Akr1e2;Akr1e1
Ptov1
Atp6v0a1
Atp6v0a1
Ttc39c
Zwint
Snap25
Eprs
Rplp0
Ddi2
Ddi2
Xpr1
Gnaz
Gnaz
Aldoc
Stxbp1
Ppm1b
Slc8a2
Glr3
Atp5a1
Ide
Map4
Mapt
Abcc5
Rab3c;Rab3a
Hist1h4a
Rab35
Gk;Gyk
Lyn
Lyn
Inpp5a
Hspa8
Cisd1
Cisd1
Exoc8
Cacng2
Taldo1
Rnf157
Slc25a46
Wdfy3
Rps17
Pgm2l1
Map6

Eps15l1
Gprasp2
Gng13
Stam
Snap91
Cacng2
Cacng8
Cacng3
Cacng3
Gapdh;Gm3839
Gpr162
Gabra2
Syt1
Anxa6
Peg3
Flot2
Csde1
Ttc27
Map1lc3a
Evi5l
Tspan33
Trim9
Vamp1;Vamp2;Vamp3
Vamp2;Vamp3
Kif5c
Dctn1
Dync1h1
Ldha
Sptan1
Ltn1
Actr1b
Lpgat1
Kcnj16
Eprs
Sec14l2
Ckap5
Uso1
Dlg4
Dlg4
Atp2b1
Atp2b1
Rras2
Atp2b2
Apbb3
Ccdc160
Syt13
Atp1a2
Ptprb
Gdi2

Sep-07

Dlg1
Prr7
Ank2
Ank2
Bsn
Scn2a1
Psm4
Xkr7
Psm1
Ap2b1
Kras
Lpr4
Kit
Arl15
Trim44
Slc20a1
Impdh1
Rabep2
Mospd2
Arpc2
Map1a
Ptprg
Atp9a
Dazap1
Magee1
Syndig1
Usp9x
Hook3
Il1rap
Mpp2
Homer1
Cltc
Adcy2
Rab21
Dcdc2a;Dcdc2
Pdgfrb
Rtn3
Gsn
Syngap1
Spg20
Rnf112
Hnrnpab
Clip2
Eef2
Spred1
Actb;Actg1;Gm17087;
Lrp12
Atp1a2
Smarca4
D430041D05Rik

Dgkh
Map1a
Cbx5
Sept11;Sept6
Sept11;Sept6
Xpo1
Klhl11
Gabra3
Snph
Bcas1
Rps20
Prkcd
Gna13
Gna12
Gna11;Gnaq
Nedd4l
Pi4ka
Ubf1
Atp1a3
Sec61a2;Sec61a1
Prmt8
Dzip3
Synj1
Sirt2
Sptan1
Slc1a3
Slc1a3
Slc1a3
Slc1a3
Slc1a3
Slc1a3
Ank2
Cul4b;Cul4a
Slc30a1
Vdac3
Vdac3
Tomm40l
Vdac1

Mar-09

Oprl1
Oprl1
Dlg3
Golgb1
Rps12
Rps12
Plch2
Sae1
Myof
Prkce
Prkcg
Saraf

Ddx39a;Ddx39;Ddx39l

Snx5

Gnao1

Srcin1

Neo1

Map2k2;Map2k1

Cd81

Cd81

Atp9a

Dnm1;Dnm3;Dnm2

Kpnb1

Xpc

Tuba4a

Tuba1b;Tuba1a;Tuba3

Tuba1b;Tuba1a;Tuba3

Ptges3

Tmed8

Rasal1

Tmem151b

Mto1

Dlg1

Cdip1

Eif3c;G730046D07Rik

Klhl11

Ctp

Xpnpep1

Map4

Prkcb;Prkca

Slc12a2

Flot2

Map2

Map2

Rasa3

Nwd1

Cox4i1

Ddx5

Rps3a

Il1rapl1

Hnrnpa2b1

Rnf14

Hnrnpa1

Epb4.1l2;Epb41l2

Epb41l1

Hnrnpd

Hnrnpab

Trpm3

Plxnb1

Prkar1a

Nefm

Rp2
Hk1
Clasp2
Adam22
Eif1ax;Eif1a;Gm8300;C
Plxnb3
GOLGA7B
Otud4
Mtpn
Ccdc132
Cul9
Dip2b
Hnrnpu;Gm28062
Vsnl1
Hpcal4
Hpcal4
Syncrip
Psm12
Gprasp1
Gprasp1
Gprasp1
Gprasp1
Ephb1
Daam1
Phldb1
Scn8a
Scn8a
Scn8a
Slk
Adipor1
Ube2ql1
Dlga3
Dlga2
Scn8a
Pip5k1c;Pip5k1b;Pip5l
Scn1a;Scn2a1;Scn3a
Scn1a;Scn2a1;Scn3a
Snap25
Eif3a
Tubb4b;Tubb5;Tubb4a
Tubb4b;Tubb5;Tubb4a

Ywhah
Cadm4
Sptan1
Syne2
Asns
Trappc8
Trappc8
Aqp4

Aqp4
Calm1
Calm1
Calm1
Calm1
Calm1
Serbp1
Atp2b3
Atp2b1
Tpi1
Ptk2b
Aatk
Sptbn1
Vps18
Ube2o
Actn4
Abcb6
Atad1
Fam49b
Atp1a2
Itm2b
Epb4.1l1;Epb41l1
Ncdn
Fam135b
Ddah1
Eno1
Slc30a10
Tmod2
Sae1
Vps52
Syngap1
Fry;Fryl
Gcc2
Uba1
Ccdc73
Kif1a;Kif1b
Abcb1a;Abcb1b
Cbx5
Rps15
Efr3b
Efr3b
Golgb1
Atp2b2
Atp2b1;Atp2b3;Atp2b

Phgdh
Sptbn1
Sema6a
Erc1
Slc4a4

Ddb1
Pkm
Pdha1
Prepl
Prkcg
Prkcb
Tro
Napb
Nol6
Tkt
Usp9x;Usp9y
Cacna1i
Tubb3
Gucy1a2
Ap2b1
Fhl3
Magee1

Trpm2
Chgb
Chgb
Cct3
Kcna6
Scn2a1
Scn2a1
Kcna2
Prkar1a
Plcg1
Nbea
Pitpna
Dpysl5
Gnao1
Eprs
Scn2a1
Cul5
Ddi2
Anapc13
Rad23a
Dync1h1
Dync1h1
Tnpo3
Add3
Axl
Abcg1
Pde4dip
Kif5c
Jakmip1
Impdh2
Ywhae
Eef2

Fez1

Mpp6

Cnksr2

Gabbr2

Atp1a2

Gm6793;Gm9242;Hnr

Abl1;Abl2

Ybx1;Ybx3

Slc1a3

Lmtk3

Usp7

Psmd3

Rps6

Mtdh

Basp1

Hnrnpu;Gm28062

Hsp90b1

Gnpat

Grin2a

Yipf1

Fbxo3

Rabgef1

Actg1

Gja1

Gja1

Kcna1

Abca5

Ubqln1

Pafah1b1

Smc1a

Map1b

Clec16a

Rpl19

Rpl19

Dock7

Tacc1

Psap

Stxbp5l

Gabrg2

Lmna

Psma5

Add2

Thop1

Slc3a2

Slc9a3r1

Tpp2

Ppp2r5d

Calcoco1

Glul
Glul
Glul
Dync1h1
Kcna2
Palm
Trappc8
Gsg1l
Syt1;Syt5
Kcnk1
Tmem151b
Tmem151a
Ppp3cb
Palm2
Nt5c3a
Map1b
Rabep1
Tsc22d1;Tsc22d2
Tsc22d3;Tsc22d4
Gucy1b3
Gpx4
Trappc13
Ephb3
Hsp90ab1
Tyro3
Itch
Hsp90aa1
Lnp
Scfd2
Ddah1
Ckap5
Set
Zdhhc2
Ppp3r1
Pcyt1a
Scn2a1
Cacng3
Slc25a5
Nckap1
Pnmal2
Ube3b
Arfgap1
H2afy2
Clcn6
Calb1
Nap1l5
Gna11

Fus
Sptan1

Nae1
Ube3a
Rnf24
Pcdhgc5
Adcy2
Gcc1
Gap43
Atp8a1
Cyfip1;Cyfip2
Tomm70a
Sptbn1
Synj1
Atp1a2
Atp1a2
Atp1a3
Atp1a3
Cnksr2
Tanc2
Hnrnp2
Psd3
Qdpr
Ank1
Ank1
Ssb
Eef2
Ubc;Ubb;Gm8797;Uba
Ptpro
Ptbp2
Slc12a2
Unc5a
Rnf25
Rnf25
Fbxo41
Nr3c1
Umps
Ctnnb1
Gucy1b3
Trim32
Eif3a
Tmem151a
Tmem151b
Araf
Atp5b
Uchl5
Dgkh
Ptpn13
Syngap1
Supt16;Supt16h
Ncoa7
1700023F06Rik

Pfn1
Sumo2
Snca
Sncb
Enc1
Snca;Sncb
Snca
Gria2
Ppp1r13b
Mapk9
Scamp1
Eef1a2;Eef1a1
Tceb1
Sirt2
Slc12a5
Pafah1b1
Gm6793;Gm9242;Hnr
Gm6793;Gm9242;Hnr
Mthfd1
Rab2a
Akr7a2
Bag6
Plcb1
Phyhip
Dmd
Tmod2
Atp6v1a
Atp6v1a
Atp6v1a
Btbd10
Ehd3
Tcea1
Trpm3
Slc6a17
Slc6a17
Dync1h1
Rbsn
Ruvbl1
Nme1;Gm20390
Dnajb5
Hspa8
H3f3a;Hist1h3b;Hist1h
Mars
Cdk5
Tomm70a
Reep1
Reep3
Maged1
Orai2
Aimp1

Sptbn1
Zfyve9
Nedd8
Kcnma1
Slc8a1
Uba6
Rac1
Clip2
Cap1
Cfap36
Sars
Rnf128
Sec63
Appl2
Pls3
Rars

Sh3bgrl3
Ncdn
Ppp2cb;Ppp2ca
Tsn
Cfl1
Dnajc5
Atp6v0a1
Moap1
Hint1
ErbB4;ErbB2
Atp2b2
Atp1a2
Atp1a2
Atp1a2
Mgea5
Map2
Cct3
Neto2
Hip1
Dnm1;Dnm3
Actb;Actg1;Acta2;Actg
Actb;Actg1;Acta2;Actg
Actb;Acta2;Actg2;Actg
Slc8a2
Ndn
Atp8a1
Sirpa
Sirpa
Plcb4
Dars
Dync1h1
Dnajb4
Rab2a

Ntrk3
Eif3e
Ttc19
Fcer1g
Aimp1
Armcx3
Nefm
Arfgef3
Abhd17b
Arl8b;Arl8a
Arl8b;Arl8a
Eps15
Iqsec2
Numb
Rnf34
Rhobtb2
Ubqln1
Ubqln1
Ubqln1
Ubqln2
Ubqln2
Reep2
Neto2
Neto2
Atp1a2
Atp1a2
Mtus2
Hsph1
Sptan1
Ccdc6
Sptbn2
Rcan2
Atp6v1a
Pkm
Pkm
Trim3
Dgka
Rpl21
Znf451
Ccdc6
Ywhah
Ywhaz
Tmem176b
Rnf126
Elmo2;Elmo1
Rnf115
Tecr
Actb;Actg1
Actr2
Sptan1

Txn
Tyro3
Fry
Cnp
Peg3
Pnck
Ldhd
Cnm2
Nedd4l
Gfm2
Tpp2
Vim
Kctd16
Sptan1
Ptpr
Cnp
Cnp
Stard10
Cnp
Hnrnpu;Gm28062
Arhgef17
Slc6a17
Abhd8
Cep170
Lrrc8b
Adcy9
Adcy9
Kcnab2
Cltc
Cltc

Usp34
Cdc42
Kif5c
Hsp90aa1;Hsp90ab1
Ano3
Lrrc59
Chrm1
Lrrc7
Nsfl1c
Rab27b
Ddx39a;Ddx39;Ddx39l
Map1a
Tpi1
Nbea
Kif1b
Nsf
Atp1a2
Atp1a2
Pum1;Pum2

Atp5j
Ppp2ca
Ppp2cb
Abhd17a
Plxna3
Nisch
Psmc3
Epb41l3

Sep-11

Ncam2
Epb4.1l2;Epb41l2
Tcpl1l1
Tesc
Hspa8
Usp22
Arc
Slc1a6
Calb2
Pacsin2
Enpp1
Ywhah
Adk
Ube4b
Syne1
Tomm40
Diras2
Map1a
Sh3gl1
Maoa
Abcg2
Ndrp1

Sep-11

Sep-08

Sep-08

Gpm6b
Hsp90aa1
Deptor
Arl8a
Tsc22d1
Stip1
Stip1
Ctnd2;Pkp4
Clcn4-2;Clcn4
Hsp90b1;Hsp90ab1
Hsp90aa1
Mapk9
Ccdc136
Evi5l
Evi5l
Celf2

Sep-05

Sep-05

Hsp90ab1

Nae1

Evi5l

Hecw2

Actr2

Adrbk1

Flot2

Cdc16

Mat2a

Tbc1d10b

Ankmy2

Isg15

Isg15

Commd4

Slc20a1

Ubr5

Inpp5a

Rps9

Psd3

Plxnd1

Rnf214

Smc4

Dpysl5

Gga3

Tbc1d24

Pabpc1

Gm9493;Rps7

Shisa9

Rab6a

Glod4

Slc20a2

Nlgn2

Bag1

Arcp2

Ccdc160

Bzrap1

Mpp6

Vcp

Sptbn4

Ppp1r9a

Ppp1r9b

Morf4l1

Golgb1

Fasn

Mpp2

Soga3

Focad

Baiap2

Ezr
Rpl12

Osbp
Stxbp1
Hk1
Plaa
Kif5c
Rab6b
Slc4a10;Slc4a8;Slc4a7
Rps3
Ryr2
S100a6
Tpd52
Tpd52
C2cd2l
Trim32
Hspa4
Sap18;Gm10094
Pcmt1
Fabp3
Cfap36
Dock3
Slc12a4
Sptan1
Trp53bp2;Tp53bp2
Rpn1
Ehd1
Pfkp
Inpp5k
Ddhd2
Lrrc7
Dnaja1
Pde10a
Plxna1
Snx5
Cmas
Cmas
Pkm
Rhot1
Hspa4
Hspa4
Rps17
Rps17
Cyb5b
Hsp90aa1;Hsp90ab1
Hsp90aa1;Hsp90ab1
Map1b
Gng13
Serbp1

Kbp
Psmc4
Tmem130
Epn2
Epn2
Eef1d
Slc9a9
Hspa2;Hspa8
Rpl18
Ccdc167
Aldoa
Aldoa
Aldoa
Atrx
Slc12a5
Peg3
Ube2v1;Gm20431
Ube2v2
Atp8a1
Atp8a1
Epn1
Epn1
Epn1
Rdx
Grm5
Upf1
Ezr
Kctd4
Rundc3b
Eea1
Rheb
Cask
Mvb12b
Mvb12b
Wdtd1
Grin2b
Hpca
Fmr1
Syngap1
Hnrnpk
Rapgef4
Tpp2
Cnksr1
Nsmf
Abcc8
Ambra1
Nars
Marc2;Marc1
Ncdn
Fgf12

Dpp6
Kirrel3
Epb4.1l2;Epb41l2
Slc43a2
Sptan1
Kcnj10
Sncb
Uso1
Uso1
Zswim8
Wasf3
Ctnnd1
Kcnj3
Rgs7
Cdk5rap3
Adk
Rhog
Stam
Map1lc3b
Actn2
Pfdn2
Rab33a
Rps13
Scn2b
Scn2b
Sptbn2
Kcnq3
Kiaa0195;2310067B1C
Svip
Nalcn
Rnf167
Ranbp2
Rundc1
Ywhag
Itpr1
Eif3a
Uba3
Kif3c
Cops7a
Cops7a
Atxn3
Nap1l1
Hnrnpc
Ppp1r16b
Slc4a3
Slc4a3
Tax1bp1

Sptan1

Slc4a3
Cadps
Tmem44

Sep-05

Dctn2
Copb1
Psmc2
Sorbs2
Basp1
Basp1
Tubb2a;Tubb2b
Src
Fyn;Fgr;Yes1
Ppp4c
Seph1
Prki
Otud7b

Sep-04

Irf2bpl
Eps15
Kif1b
Otub1
Slc12a2
Cfl1
Gjb6
Mul1
Mas1
Zfp655
Slc16a1
Rtn4
Gdap1l1
Mat2b
Lmbrd2
Sh3bgrl2
Rtn3
Dync1h1
Msn
Acsbg1
Hcn1
Pvrl3
Ap2m1
Tspan2
Slc12a5
Atg9a
Atxn10
Htatsf1
Psmc1
Asna1
Cadps
Cltc

Dnpep
Npepps
Snd1
Slc12a5
Cct8
Kcna2
Map4
Plcb1
Sptan1
Kcna6
Map4
Peg3
Cacna1e
Cask
Copb2
Cdk5
Atp5f1
Kif5a
Slc17a6
Slc17a6
Slc17a6
Ngly1

Pcdh1
Arpc3
Rtn4
Pclo
Hmox2
Ncl
Xpo1
Psm1
Pex19
Rgs7bp
Stx12
Vim
Map1b
Anxa5
Gfap
Dnaja1
Phlpp1
Eef2
Vcp
Dnaja2
Dnaja2
Dnaja4
Uvr9
Atp1a2
Atp1a2
Atp1a3
Atp1a3

Tomm70a
Cmas
Cltc
Fbxo21
Arpc1a
Tubb4b;Tubb5;Tubb2a
Tubb4a
Dnm1
Gnaq
Gna11
Fam213a
Gng13
Me1
Tra2b
Sptbn4
Actr3b
Actr3
Abca1
Mdh1
Ldhb
Ldha
Bcl2l1
Slc8a2
Stmn4
Fam63a
Ddb1
Rab2a
Gnai1;Gnai2;Gnai3
Gabra1
Abcc8
Hbs1l;Gm9923
Stmn3
Pacsin1
Sec14l2
Ncam2
Maoa
Pfdn2
Kif5c;Kif5b
Kif5a
Gfpt1
Arl10
Tom1l2
Gpi
Ide
Mpp6
Rap1gds1
Golgb1
Epb4.1l2;Epb41l2
Atic
Lmna

Atp1a1
Atp1a1
Rap2b
Rap2b
Dlg4
Prep
Ranbp2
Cotl1
Lancl2
Tom1l1
Gda
Rbx1
Gpi
Lifr
Sptbn1
Sptbn1
Psmc2
Psmc2
Rasgef1a
Otud7a
Ube2d2;Ube2d2b;Ube
Otub1
Syngap1
Hnrnpd1
Hnrnpd
Hnrnpd
Rad23a
Brk1
Slc17a5
Hdgfrp3
Peg3
Rap1a;Rap1b
Rap2b;Rap2a;Rap2c
Smpd3
Nbea
Ranbp2
Ppp2r5b
Cltc
Cltc
Faf1
Gnao1
Gnaq
Atp1a2
Clnd1
Tald1
Sgip1
Eef2
Arl6ip5
Prepl
Prepl

Daam2
Arnt2
Tmem87a
Nefh
Mbnl2
Mbnl1
Mtfr1l
Rpl7
Hdgfrp2
Aloxe3
Usp36
Elavl4
Elavl3
Elavl2
Vim
Epb41l3
Timm8b
Usp5
Pum1;Pum2
Dgkb
Gfap
Sptbn1
Tpp2
Xpr1
Ina
Cnp
Cnp
Kiaa1109
Baiap2
Hip1r
Cyfip2
Ckb
Rwdd1
Fasn
Hspa8
Usp14
Atp6ap1

Fam49b
Fam49b
Unc13a
Zdhhc9
Nap1l5
Nap1l5
Nap1l5
Adcy5;Adcy6
Cyfip2
Tuba4a;Tuba1b;Tuba1
Cpne5
Cpne8

Trappc12
Matr3
Serbp1
Ankrd13a
Ankrd13a
Atp1a2
Atp1a2
Atp1a2
Cstb
Dlg4;Dlg2;Dlg1
Fundc2
Peg3
Copa
Sgtb
Glo1
Usp25
Arih1
Nap1l1
Nap1l1
Acsl3
Snap47
Snap47
Usp25
Scd2
Ccdc110
Gprasp1
Kcnj4
Kcnj4
Hnrnpm
Epha7
Dlg3
Abca3
Kcna2
Kcna1
Kcna4
Mpp1
Myo6
Rnf115
Pum1
Atp6v0d1
Rab10
Gm10020;Rpl15
Napepld
Pip4k2b
Hspa12b
Prkcb;Prkca
Sv2a
Sv2a
Sv2a
Hpcal4;Vsnl1

Hnrnph2
Cab39
Trim32
Tpcn1
Tpi1
Tpi1
Pacs1
Tmx4
Wdr7
Lypla2
Eno2
Etf1
Yod1
Jakmip2
Hnrnpab
Hnrnpab
Hnrnpdl
Hnrnpd
Ddx1
Rps3
Braf
Mars
Scn1a;Scn2a1;Scn3a;S
Hgs
Ppp2r1a
Glud1
Exoc6
Saraf
Ntrk2
Ntrk2
Grb2
Plcb4
Prkaca
Prkacb
Dmxl2
Sh3glb2
Rab3c
Azin1
Pde4a
Agpat3
Usp9x
Atad1
Kcnj4
Kcnj2
Farp1
Hnrnpab
Gpr37l1
Gpr37l1
Maged1
Hsph1

Anks1b
Rpl3
Gpn1
Adrbk1
Snap47
Syt11
Syt11
Zc3h15
Slc6a17
Slc6a17
Rps3
Cul1
Cul1
Trappc11
Sec23ip
Jak2
Ptprd
Cpne5
Nmnat2
Atp1b1
Glrb
Itch
Itch
Ednrb
Sars
Sars
Dnajc5
Dnajb2
Dnajb2
Wdr1
Ap2a1;Ap2a2
Kif5c
Kif5c
Sidt1
Myo5a
Psip1
Thop1
Dnaja1
Dnajb6
S1pr1
Ubqln1
Ubqln2
Cops6
Gltp
Xpot
Pitpna
Gja1
Usp46
Cul3
Epm2aip1

haemaglobin alpha 2;I

Ptpmt1

Ube2o

Coa3

Psat1

Ephb3

Pgap3

Ephb2

Adsl

Impdh2

Arfip2

Ap2b1

Amz2

Gfap

Psmd13

Appl1

Gulp1

Sult4a1

Ppp1cc;Ppp1ca

Reep3

Ywhah

Ywhaz

Atp2b4

Atp2b1

Atp2b1

Sep-03

Vcp

Pura

Purb

Ccdc6

Tbc1d15

Abhd2

Fgd4

Hk1

Usp24

Ranbp1

Tmub2

Ascc3

Matr3

Nme1;Gm20390

Gpr155

Nrsn1

Bco2

Itpr1

Psmd2

Sec11a

Naa15

Gk;Gyk

Mark3

Map1lc3b
Map1lc3a
Prepl
Cyth2
Scn2a1;Scn3a
Scn1a
Eno1
Eno1
Steap3
Rgs20
Ube2n
Usp7
Usp7
Lgals1
Dlg2
Wnk1
Fnbp1
Rps21
Slc38a2
Cnksr2
Slc22a8
Aco2
Pclo
Enc1
Ran;1700009N14Rik;R
Ckb
Lanc12
Klhl42
Ndr4
Dnm1;Dnm2
Gprasp1
Gprasp1
Gprasp1
Ankrd13a
Gsk3b;Gsk3a
Prkaca;Prkacb
Mapre2;Mapre3
Mapre1
Aldh7a1
Mapre2
Hsph1
Elp2
Calb1
Sez6
Sptbn1;Sptbn2
Grin2b
Grin2b
Hcn1
Atp2c1
Atp2c1

Bcas3
Gars
Atp2b4
Dars
Gnas;Gnal

Kcna1
Ctps1
Faxc
Efr3b
Ckb
Nup98
Usp11
Pgam1
Syt1
Map1a
Wdr26
Atp9a
Atp5e
Cul1
Psip1
Efr3b
Hnrnp1
Usp22
Syt12
Mbp
Atp6v1d
Eno2
Eno1
Camk2b
Camk2a
Sptbn1;Sptbn2
Ppp2r1a
Lrrc8b
Tardbp
Tardbp
Cct6a
Gnaz
Slc3a2
Nckap1
Fkbp1a
Rogdi
Vps16
Lmnb2
Usp22;Usp27
Chp1
Cask
Hk1
Hk1
Nefl

Stat1
Scn8a
Gabrd
Pmm1
Nefm
Stx1b
Stx1b
Gna11;Gnaq
Fasn
Gnb2l1
Wiz
Arhgef40
Syt4
H2afy2
H2afy
H2afy
Pip4k2b
Gspt1;Gspt2
Plcb1
Ptpn23
Copb1
Igsf9b
Psmc2
Trappc3
Fam49b
Kif5a
Wrnip1
Lrrc8c
Hsph1
Gabarap
Crebbp;Ep300
Osbp1a
Snap47
A730017C20Rik
Map6
Mapre2
Psmc13
Hsp90ab1
Pcm1
Kcna1
Kcna1
Hsp90aa1
Gps1
Camk2b
Wasl
Naa50
Arpc2
Purb;Pura
Kcna4
Kcna3

Ndufa4
Nup98
Wasf2;Wasf1
Cldn11
Axl
Gapdh;Gm3839
Abcb1a
Cadm1
Pkm
Ybx1
Atp2b3
Cadm2
Ddah1
Myo5a
Appl2
Rpl10;Rpl10l
Nsfl1c
Scamp4
Slc24a3
Anxa5
Trim32
Ankrd46
Moap1
Pip5k1c
Pip5k1a
Ptprn2
Mllt4
Rps8
Nsg2
Rpl7a
Clasp1
Grin1
Gyg;Gyg1
Rhof
Dhx9
Acsl1
Ptpn23
Dpysl3
Phlpp1
Atp2b2
Glud1
Cct3
Pkm
Pkm
Gm10020;Rpl15
Atp6v1h
Mbp
Hsph1;Hspa4l;Hspa4
Prkar1b
Tmem63b

Rps3
Stx1b
Stx1b
Stx1b
Gnas
Gnal
Ppp1cb
Capzb
Abca2
Add2
Ernm
Ewsr1
Tom1l2
Vcp
Ckap5
Tsr2
Slc6a11
Herc1
Dlg2
Kif5a
Upf1
Cuedc2
Cuedc2
Pkm;Pklr
Vti1b
Usp9x
Glr3
Atp2b1
Atp2b1
Atp2b3
Atp2b3
Atp2b2
Atp2b2
Bzw1
Gabra1
Kif1b
Gm20425;Srprb
Gm9774;Adrm1
Diras2
Diras2
Tuba4a
Tuba1b;Tuba1a;Tuba3
Gja1
Sec22b
Map6
Fkbp5
Taf15;Fus
Copz1
Cct8
Napb;Napa

Trip12
Kirrel3
Kirrel3
Gap43
Acsl6
Dnajb5
Farp1
Fam213a
Hnrnpm

Slc16a1
Drp2
Btbd9
Usp29
Atp5j
Cd99l2
Smc1a
Smc1a

Map1a
Ctnna2
Ctnna2
Ctnna2
Erbp3
Mag
Mag
Prdx6
Stam
Hspa8
Pja1
Atp2b4
Adrbk1;Adrbk2
Gabbr1
Gabbr1
Jph1
Stxbp1
Stxbp1
Plxnd1
Hnrnpa1
Syncrin
D630045J12Rik;Kiaa1!
D630045J12Rik;Kiaa1!
Peg3
Fam177a1
Copa
6430548M08Rik;KiaaC
Gm20517;Med20
Eps15l1
Vdac2
Pabpc4;Gm10110;Pab

Ncl
Hnrnpa2b1
Msi2
Glo1
Ppia;Gm5160
Stx1a
Stx1a
Ncs1
Ube2o
Hk1
Atp1a2
Acsl3
Arl2
Hpcal4
Vsnl1
Hpca
Hpca
Slc38a3
Slc38a3
Pcnxl2
Rp2
Ppp3ca
Mios
Ank2
Slc7a14
9030624J02Rik
Bcas3
Scn1a
Slc32a1
Adgrl3;Lphn3
Dclk1
Bsn
Wiz
Fubp1
Spag9
Cyfip2
Eps15l1
Cnnm3
Gjc2
Purb
Usp20
Hspe1
Uba1
Bex4
H2afy
Dpysl2
Scd2;Scd3;Scd1
Scd2;Scd3;Scd1
Rps3
L1cam

Ctbp1;Ctbp2
Dlgap2
Ubc;Ubb
Ckb
Arc
Csnk2a1
Atp1a3
Dlg1
Nova2;Nova1
Ap3b2
Cald1
Cacna1e
Arfgef3
Ank1
Dsg2
Aldoa;Aldoart1;Aldoar
Slc4a3
Spns2
Wfs1
Rae1
Lppr3
Trappc9
Zyg11b
Nsf
Tuba1b;Tuba1a
Tuba4a
Peg3
Gpd1l
Kcnh1
Kcnh5
Hk1;Hkdc1
Ranbp2
Cops3
Actbl2
Wfs1
Ccdc50
Trmt6
Uba1
Hnrnpu;Gm28062
Aldoa;Aldoart2
Aldoc
Aldoc
Svip
Nsf
Vcp
Pnkd
Acta2;Actg2;Acta1;Actg1
Aldoc
Hist1h1c
Anks1b

Scn9a
Ufd1l
Slc8a2
Ahcy
Syt11
Syt11
Epb41l3
Tkt
Tkt
Znf280c
Wfs1
Rtn3
Ywhaz
Sfpq
Nono
Gna12
Wbp2
Fis1
Prepl
ErbB4
Eif4a2;Eif4a1;Gm8994
Syt4
Syt4
Syt4
Slc16a6
Sphk1
Cct7
Rad23b
Map1a
Map1a
Ncam1
Nudc
Pnck
Scn2a1
Scn2a1
Syngap1
Dclk1
Sec14l1
Mfsd6
Snf8
Hspa4
Hk1
Hk1
Slc4a8
Lasp1
Pam
Cuta
Ddx3y;Ddx3x;D1Pas1
Psmc4
Tcf1

Caprin1
H2afy
H2afy
Shisa9
Fibp
Impdh1
Impdh2
Dag1
Tmem63b
Cnp
Josd1
Wdr35
Ppm1g
Ppp1cc;Ppp1ca;Ppp1c
Trappc5
H2afy2
H2afy2
Cnnm2;Cnnm1
Spryd3
Dagla
Nedd4
Ipo5
Prpf19
Ptrh2
Sh3glb2
Adss
Ppp1ca
Spred2
Gstp1
Tmem259
Agpat5
Srsf7
Syt7
Usp9x;Usp9y
Plxnc1
Nup160
Tomm70a
Cbx5
Csrp1
Prdx2
Prdx1
Trim46
Ryr2
Lnpep
Gpi
Esyt1
Atp6v0d1
Eef2
Lrrc16a
Tubb4a

Tubb4a
Tubb6
Tubb5
Tubb5
Tubb4b;Tubb2a;Tubb3
Tubb4b;Tubb2a;Tubb3
Tubb3
Tubb3
Rac1;Rac2;Rac3
Map3k12
Fis1
Daglb
Reep2
Lmtk3
Psmc7
Reep1
Cnp
Ndrp3
Agpat4
Kif21a
Nkiras1
Usp13
Kif21b
Plp1
Syp
Ncl
Abca3
Sncb
Epb4.1l2;Epb4.1l2
Arhgef2
Map2
Lrrc57
Rnf38;Rnf44
Tyro3
Ppp3ca
Ppp3ca
Ppp3ca
Ldha
Ldha
Plcx2
Asns
Sptan1
Egfr
Dpysl2
Dpysl4
Dpysl4
Spg20
Cct7
Fgfr2;Fgfr3
Prep

Nub1
Slc8a1
Cs;Csl
Nefl
Atp5a1
Abca5
Abca5
Epb4.1l1;Epb41l1
Cltc
Dagla
Dpysl3
Dpysl3
Crmp1
Crmp1
Abhd16a
Zfyve9
Sik3
Szt2
Stip1
Syt11
Ubash3b
Peg3
Eno1;Eno2
Clcn6
Dlg4
Morf4l1
Dopey2
Lingo1
Tom1l2
Tom1l2
Tcaf1
Rplp0
Uba1
Nbea
Sar1a
Dpysl3
Ubqln2
Slc2a3
Slc2a3
Yars
Ildr2
Myo6
Celf5
Celf3
Btbd1
Dlg2
Ankrd13d
Tmx4
Prpf8
Slc12a2

Dlg4;Dlg2;Dlg1

Slc6a8

Mlc1

Crmp1

Ppp6r3

Bai1;Adgrb1

Syt11

Syt11

Slc12a5

Fam131b

Ncam1

Cltc

Cltc

Snap47

H1fnt

Uchl1

Pi4k2a

Cltc

Reep2

Lingo3

Pfkm

Pi4k2a

Farp1

Atp5b

Prmt8

Bcar1

Hp1bp3

Sep-07

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Bcat1

Gltp

Sv2c

Rpl26

Clcn6

Mib1

Mink1

Map6

Fkbp1a

Fkbp1a

Lmna

Synpo

Synpo

Vasn

Sh3gl3

Epb41l3

Prkar2a;Prkar2b

Sae1

Nono

Pak1

Cadm3

Prkcg
Dctn1
Vps45
Rab6b;Rab6a
Rab6b;Rab6a
Rab6b;Rab6a
A830010M20Rik;Kiaa:
Rufy3
Pitpnm1
Cdipt
Cdipt
Vsnl1
Prkcg
Scamp5
Plxdc2
Pkm
Col4a3bp
Pcnxl3;Pcnx
Grin2a
Slc4a7
Hk1
Camk2b
Csnk1g1;Csnk1g2;Csnl
Dym
Ndr4
Dpysl2
Opalin
Smim14
Epn2
Xpo7
Gm9774;Adrm1
Birc6

Mar-05

Pde1a
Diras1
Tex2
Efr3a
Rtn1
Sar1b
Nampt
Eif3c
Hbb-b1;Hbbt1;Hbb-b2
Prkar2b
Gtf2b
Hist1h1c;Hist1h1e;His
Neto1
Birc6
Rab35
Rplp0
Nae1

Sec23a
Nsg1
Hsp90aa1;Hsp90ab1
Hspa8
Dagla
Megf10
Hist1h1e;Hist1h1d;His
Gfod1
Sv2b
Sv2b
Arvcf
Cnr1
Rai2
Anxa6
Cct8
Dpysl2
Cadm1
Cadm3
Cadm3
Cadm3
Cadm3
Cadm2
Cadm2
Cadm2
Arsj
Eif4a2
Asic1
Wrnip1
Syt4
Prdx6
Ddi2
Aldh1l1
Cul3
Actn4
Actn1;Actn2
Tom1
Tpp2
Eno2
Hist1h4a
Kcnh1
Slc22a23
Sptbn1
Pkm
Abca1
Dag1
Clcn6
Ap3d1
Gphn
Atp5b
Eno1

H2afy
Mpp2
Kiaa1109
Abat
Zfyve9
Dpysl4
Gabra2
Faf1
Tcaf1
Tpi1
Mprip
Psmc8
Gabra1
Gfpt1
Cacnb3;Cacnb1;Cacnb
Hnrnpu;Gm28062
Jam2
Vdac3
Csrp1
Relt
Mdh2
Phldb1;Phldb2
Adgrl3;Lphn3
Basp1
Kcnab2
Kcnab3
Cs
Psmc5
Dnajb12
RtcA;Rtca
Hnrnpu;Gm28062
Hnrnpu;Gm28062
Dlgap4
Ubr3
Usp5
Arel1
Tpp2
Dcaf6
Ank2
Herc1
Hist1h2bc;Hist1h2bh;l
Hist1h2bc;Hist1h2bh;l
Ppp1r9b
Dlg3;Dlg2;Dlg1
Acot7
FAM120A
Pdxdc1
Kif1b
Kif1a
Sv2a

Sv2a
Pla2g16
Syt1
Swi5
Napb
Cspg4
Rab39b
Rab39b
Usp9x;Usp9y
Herc2
Csrp1
Kcmf1
Tspan7
Cct8
Ckb
Ptprd
Cfl1
Acvr2a
Xab2
Kcnh7
Hnrnpk
Reep5
Myo5a
Vars
Rhob
Rhoa;Rhoc
Luzp1
Slc6a17
Lypla1
Cnp

Sep-04

Unc80
Syngap1
Gpi
Tln2
Clec16a
Ntrk3;Ntrk2
Pgam1
Rnf149
Prdx1
Prdx1
Ppp1r7
Ckb
Sh3gl1
Smox
Mars
Ephb3
Rnf112
Grin2b
Rac3

Rac1
Nbr1
Me1
Rabgef1
Fasn
Hint3
Kcnab2
Trappc8
Fam171b
Peg3
Dennd5a
Dennd5b
Sptan1
Git1
Trpm3;Trpm1
Hint1
lpo5
Hsp90aa1
Inpp5a
Cadm1
Cadm1
Cadm2
Puf60
Stxbp1
Ank3
Ank3
Cct5
Nadsyn1
Cdh8
Jam3
Cyts
Syt11
Mtor
Cul9
Atp2b2;Atp2b3
Map1b
Atl2
Pik3c3
Lrrc57
Atl3
Synpo
Sacs
Ywhae
Msn
Mtx3
Ddhd1
Atp1a1;Atp4a
Vamp4
Fam49a
Fam49b

Sptbn1;Sptb
Sptbn1
Actn2
Actn1
Actn4
Stx1a
Stx1a
Stx1a
Stx1a
Map1s
Stx1a
Adgrb2;Bai2
Adcy2
Kcnh1
Nsfl1c
Pex3
Snrrnp200
Hsp90aa1
Hsp90ab1
Grin2b
Al314180;Ecm29
Acot7
Slc12a2
Psip1
Ncam1
Ncam1
Pvrl1
Ppa1
Pdzd8
Atp2b2
Atp2b1
Spry4
Ccdc50
Sumo2;Sumo3
Cap2

Sep-05

Eif2s1
Mgrn1
Atad1
Coro1a
Coro1b
Sptbn2
Sod1
Pls3
Tnik;Map4k4;Mink1
Ddb1
Huwe1
Fgf12
Ints9
Pcnxl3

Map4
Mapt
Tspan2
Tspan2
Rab21
Zyg11b
Homer1
Rpl7a
Rph3a
Eml1
Gad2
Pgam2;Pgam1
Dync1h1
Mapk1
Uhrf1bp1l
Stxbp1
Bcas3
Abhd17a
Abhd17c
Pycrl
Plcb1
Rtn3
Tbc1d13
Nrsn1
Nrsn1
Cltb
Sgta
Usp10
Slc8a2
Stx1a
Plec
Ctnna2
Actn4
Pcdh17
Trappc11
Itm2a
Uba6
Neurl4
Abca2
Slc25a4
Glrb
Sec14l1
Inpp5a
Lrrc7
Sgk1
Pnmal2
Wdr45b
Psmc2
Svop
Dpysl3

Me1
Sgsm3
Cct8
Ube2o
Tollip
Tcp1
Tacc1
Gpd1
Capza2
Hid1
Psmb1
Pafah1b2
Gba2
Ube2n
Ube2n
Nsf
Sorbs1
Uba6
Sptan1
Tgfb1
Tcp1
Rad23b
Atp2b1;Atp2b4
Slc12a2
Slc12a2
Mgrr1
Ptbp2
Npepps
Set
Ankrd46
Rad23b
Eno1
Rpl8
Arhgdia
Arhgdia
Hk1
Rpl3
Rab23
Stx8
Dennd5b
Synj1
Map2
Eif2s3x;Eif2s3y
Nol6
Tmod1
Acvr1
Pmm1
Eps15
Psmc2
Actn1

Opa1
Cops2
Txnl1
Scn3a
Rtn3
Rtn3
Rps6kc1
Lmna
Xk
Gnas
Capza2;Capza1;49334
Stx16
Idh3a
Nap1l5
Otud5
Tyro3
Ube2v1;Gm20431
Psme2
Naca
Add3
Rundc3b
Atp2b1
Atp2b2
Ndn
Taok3
Eno1
Nup85
Sh3glb1
Snap25
Snap25
Snap25
Psmc5
Xkr4
Rpl4
Pmm1
Gipc1
Ppp1r7
Nf1
Ube2l3
Fzd3
Pacsin1
Sptbn1
Gsg1l
Atp2b4
Gramd4
Cacna1c
Prpf2
Abca2
Ank2
Ank2

Xpnpep1
Slc4a10;Slc4a8
Tsc22d1;Tsc22d2
Gap43
Atp2b1;Atp2b3
Atp2b2
Nisch
Snx2
Lmnb1
lpo11
Atp2a2
Nsf
Aifm3
Rpl18a
Impact
Nsf
Grm3
Eif2s2
Arl6ip1
Adcy1
Trim44
Erbb3
Rhot1
Hpcal4
Rhot1
Mdh1
Adcy1
Adcy1
6430548M08Rik;KiaaC
Prps1l3;Prps1
2310035C23Rik;Kiaa1.
Slc12a5;Slc12a4
Slc12a5;Slc12a4
Aldh1a1
Dync1h1
Gm6793;Gm9242;Hnr
Hnrnpab
Hnrnpd
Kcnab2
Dstn
Slc14a1
Eno1
Rhoa
Hagh
Plaa
Lmtk3
Flot2
Clip2
Usp5
Cand1

Tusc3
Ppp2cb;Ppp2ca
Ppp2cb;Ppp2ca
Atp2a2
Dst
Syt1
Rnf11
Prpf8
Herc2
Ca2
Ppp2r1a
Ppp2r1a
Gk5
Clcn7
Mapt
Magohb;Magoh
Snx6
Mapt
Kcnab3
Ephb3;Ephb4;Ephb1
Sptbn1;Sptbn2;Sptb
Cltc
Smarcd1
Ube2d2
Mtx1
Pdgfra
Syt1;Syt2
Acat1
Eif4g1
Usp9x
H2afy2
Sf3b3
Psm1
Adra1b
Kif1a;Kif1c;Kif1b
Psm4
Slc1a2
Asun
Dlg2
Abcb1a
Rex1
Zc3h15
Dlg4
Dlg3
Dlg4
Rab14
Akt
Pla2g4e
Gnai1
Gnao1

Gnao1
Gna11
Rab3gap1
Nae1
Nars
Epb4.1l1;Epb41l1
Prmt8
Pdpk1
Hnrnpk
Ehd4
Psmc2
Hspa2;Hspa8
Hspa8
Camk2d;Camk2a;Cam
Rab4a
Hnrnpk
Vapb
Mapre3
Pde8a
Atp1a3
Atp1a1
Pkm
Tom1l2
Atp1a2
Ywhae
Ywhae
Ywhae
Cct6a
Clasp1
Gnb2l1
Dagla
Grin1
Gucy1b3
Rgs20
Tbc1d15
Tpi1
Psma3
Ryr2
Ndufs2
Agpat5
Fam81a
Fam81a
Lancl2
Anp32a
Anp32e
Psmc1
Ifitm3
Hspa4
Ttn
Otulin

Atp2b2
Pkp4
Capzb
Hmgb1
Ptprd
Vamp4
Actb;Acta2;Actg2;Actg
Adcy5;Adcy6
Gabrb3
Fmr1
Gdi2;Gdi1
Zdhhc9
Sfxn5
Ank2
Lrrc73
Uchl3;Uchl4
Ngef
Ptprs
Slc3a2
Csde1
Snx4
Apba2
Atp6v1e1;Atp6v1e2
Hsph1
Rtn1
Dhx9
Pfkp
Slc17a6
Dlg4
Dgkh
Fam81a
AU040320;Kiaa0319l
Dync1h1
Scn1a
Hspa8
Nup160
Hmbs
Taldo1
Exoc6
Map1a
Tpgs2
Bcat1
Nmnat2
Eef1g
Ank2
Cpg2
Cpg1
Tnik;Map4k4;Mink1
Cct2
Add1

Pgm2l1
Pcna
Ubqln4
Ubqln2
Ubqln1
Egfr
Cct2
Rpl4
Strip1;Strip2
Vim
Gpi
Gpi
Ubr3
Hnrnpk
Arih1
Arih1
Arih1
Actr2
Actr2
Pgrmc1
Arf4;Arf3;Arf1;Arf2;Ar
Atp2b4
Psm7
Psm7
Ints7
Acaca

Slc9a1
Bcas3
Lrrc40
Atp2b2;Atp2b3
Atp2b1
Cuedc1
Mapre1
Sf3b2
Tgfbra1
Elavl1
Sorbs2
Atp2b1
Rad23b
Rad23a
Ktn1
Psm4
Sptbn1
Gbp7
Ina
Usp9x
Atp6v1h
Bag5
Sorbs2

Cmip
Ap2a1
Ap2a2
Steap3
Rab33b
Gna11
Ppp3ca

Cstf2t
Atp1a2
Atp1a2
Atp1a2
Dlg1
Epb4.1l1;Epb41l1
Atp1a1;Atp1a3;Atp1a
Atp1a1;Atp1a3;Atp1a
Atp1a1;Atp1a3;Atp1a
Stxbp1
Hk1
Hk1
Rpl4

Slc38a3
Smcr8
Flot2
Gna11
Nap1l4
Daam2
Dcakd
Soga3
Dlg2
Scn1a
Usp33
Usp33
Ap2a1;Ap2a2
Ube2d3
Rpl10;Rpl10l
Pcdh17
Fem1b
Rnf141
Add2
Got1
Prps1l3;Prps1
Jak1
Map2k6
Adcy9
Begain
Ptprb

Sep-05

Kbp
Tubb2a
Tubb4b
Tubb2b
Sec14l2
Tpp2
Sf3a1
Zmym2
Hspa4l
Sgip1
Rapgef4
Adam22
Nbea
Plxnd1
Laptm4a
Map2k1
Herc2
Pfkp;Pfk

Sep-09

Plcb1
Agpat4
Prep
Astn2
Kcnh7
Slc9a1
Panx1
Vps35
Ntrk2
Ntrk2
Prpf38b
Elfn1
Fry
Rnf126
Pcm1
Rhob
Eif3f
Ubc;Ubb;Gm8797;Uba
Ubc;Ubb;Gm8797;Uba
Atp6v0a2
Cspg5
Mdh2
Ppp2r5e
Atp2b1
Sec62
Flot1
Dmxl2
Ptpn9
Dad1
Chrm4
Nup205

Ube2e2;Ube2e3
Hspa2;Hspa8
Ifi203
Dnajb5
Gabarapl2
Nbea
Spg20
Cnrip1
Khsrp
Prpf6
Ugp2
Fbxo22
Chmp2a
Plcb4
Atp2b4
Atp2b2
Gprasp2
Atp2b2;Atp2b1;Atp2b

Pfkp
Smarcc2
Echs1
Adrbk1;Adrbk2
Sptb
Sfpq
Pea15
Slc4a4
Kif1a
Serpina3k;Serpina3m
Ppp3r1
Hip1r
Kif5c;Kif5a;Kif5b
Itm2c
Itm2c
Itm2c
Itm2c
Itm2c
Mag
Mag
Mag

Ago1;Ago4;Ago3
Cadps
Hcfc1
Kctd16
Sh3gl3
Adcy2
Syap1
Vps51
Zdhhc13

Bai3;Adgrb3
Dlga1
Psd3
Smarca2
Vat1
Stx12
Srp72
Lrrc8d
Camsap1

Stx7
Ogt
Ogt
Srp14
Rph3a
Dpysl2
Tubb3
Tubb5
Camk2a
Picalm

Sep-09

Camkv
Camk2b
Sptan1
Txndc17
Ssb
Prkcg
Ralgapb
Bre
Gabbr2
Gabbr2
Abcd3
Wdr44
Elavl4;Elavl2
Elavl3
Als2
Hspa2;Hspa8;Hspa1l
D11Wsu47e
Sptan1
Xpo7
Map1b
Pkm
Atp6v1a
Anln
Pgk1
Sorcs3
Flot1
Flot1
Pi4ka

Matr3
Mdh2
Rufy3
Gnai2
Tsnax
Eif3i
Nefm
Map1b
Sdcbp
Kalrn
Vps8
Rpl12
Mpi
Got1
Ldhb
Huwe1
Aldoa;Aldoart2
Cstf2
Atp1a1
Dpy30
Sec23ip
Zmym3
Crmp1
Crmp1
Gda
Psmc7
Ap2m1
Ap2m1
Hnrnpa1;Gm5269
Dnah7a;Dnah7c;Dnah7
Mtor
Gm9493;Rps7
Gm9493;Rps7
Gm9493;Rps7
Rpl24;Gm17430
Prkar2a
Setd3
Hnrnpa2b1
Vps13a
Huwe1
Kcnj16
Akt
Cnnm2
Atg9a
Map2
Dpysl3
Dpysl3
Rab11b
Rab11a
Vcp

Vcp
Ldha
Aldoc
Aldoc
Pgm1
Tmem33
Ddb1
Gm6793;Gm9242;Hnr
Cpe
Plrg1
Aamp
Pex7
Coro2b
Wdr12
Synj1
Hpca;Hpcal1
Carm1
Appl1
Tmem63c
Sep-07
Sep-07
Sep-07
Ppp1cc;Ppp1ca;Ppp1c
Ncald
Etnk1
Ube2e2;Ube2e3;Ube2
Pitpna
Ube2l3
Ube2l3
Ube2n
Rtn4
Rpl3
Rtn1
Tcaf1
Syt7
Gars
Pi4k2a
Ctps2
Rab14
Ctps1
Ube2v1;Gm20431
Ube2v2
Pkm
Efhd2
Sep-11
Sep-11
Celf2
Celf1
Fam213a
Sep-08

Gnb1
Gnb2
Psmc2
Pi4ka
Gnb4
Atp1a2
Atp1a3
Atp1a3
Atp1a1
Atp2b2;Atp2b1;Atp2b
Rps10
Pnmal2
Basp1
Hgs

Vcp
Slc6a1
Calb1
Map6
Atl1
Cnp
Cnp
Hist1h1c;Hist1h1t;Hist
Gdpd1
Neurl1
Ddah2
Scn8a
Atp6v0a1
Rdx;Msn;Ezr
Slc4a10
Bud31
Gripap1
Sptan1
Hist1h1c;Hist1h1d
Hist1h1c;Hist1h1d
Ankrd33b
Slc24a3
Gng4
Dynll2
Sec31a
Snap25
Tkt
Cpne9
Hsp90ab1
Hsp90aa1
Cadps
Tpi1
Znf330
Trim44
Lmbrd2

Tnpo2
Tnpo1
Faim2
Khdrbs1
Khdrbs1
Actn4
Ank3
Ank2
Ggt7
Ggt7
Ggt7
Sdc3
Itm2b
Itm2b
Itm2b
Itm2b
Abce1
Map2
Nap1l5
Nap1l5
Nap1l5
Nap1l5
Eef1a1
Ctnnd2
Ube2i
Sema6b
Slc12a6
Pdgfra
2410002F23Rik
Slc12a5
Actb;Actg1
Actb;Actg1
Scn1a
Slc8a2
Lyn
Glul
Glul
Phyhipl;Phyhip
Sv2a
Scn2a1
Shank1
Gphn
Cltc
Gnai1;Gnai2
Prkcg
Abca2
Clcn6
Necab1
Ywhae
Kpna1

Kpna1;Kpna6
Pafah1b1
Tubb4b;Tubb5;Tubb4a
Rps15
Gucy1b3
Fry
Tubb3
Scn4b
Sec31a
Sbds
Cfl1
Cfl2
Eef2
Gabbr2
Slc2a3
Stam
Gja1
Gja1
Gja1
Slc17a6
Rpl19
Rpl19
Rpl19
Dstn
Dstn
Slitrk2
Trappc13
Rab9;Rab9a
Arc

Sep-08

Pabpc1;Pabpc6
Atp2a2;Atp2a1;Atp2a3
Clasp2;Clasp1
Eef1a2
Actr1a
Map4
Ngly1
Cacna1b
Cotl1
Kbp

Sep-03

Sep-03

Sep-03

Soga3
Soga3
Soga3
Dcaf6
Dpysl5
Nrd1
Dcakd

Ywhaz;Ywhaq;Ywhab
Ywhaz;Ywhaq;Ywhab
Uba3
Tesc
Wdr61
Slc12a2
Aldoa
Aldoa
Aldoa
Aldoa
Atp8a1
Rdx
Grm5
Ezr
Cap1
Cdh11
Tmem132a
Scn3a
Kcnq3
Spag9
Tubb2a;Tubb2b
Tubb2a;Tubb2b
Msn
Megf10
Hist1h2bc;Hist1h2bh;l
Tpp2
Chp1
Pcdh1
Map2
Ncdn
Gng13
Atp1a1
Klhl22
Pfkp
Taldo1
Caly
Cct8
Sec13
Cd99l2
Hspa4
Cltc
Dnm1
Trim32
Trim32
Clvs1
Eif3k
Atp1b1
Gja1
Exoc4
Matr3

Acsbg1
Gdi2
Gdi2
Rab14
Rab14
Ddx39b
G3bp2
Cltc
Gm8251
Cisd1
Dstn
Rras2
Scn8a
Map1a
Usp20
Dnm1
Usp5
Map6d1
Rps3
Stx1a
Stx1b
Stx1b
Reep2
Reep2
Reep1
Pgrmc1
Ddx3y
Pkm
Tpp2
Acot7
Gap43
Rnf13
Rnf13
Rnf13
Sptan1
Rnf150
Gspt1;Gspt2
Gap43
Gap43
Ap2b1;Ap1b1
Aco2
Slc1a4
Slc22a23
Cct3
Prdx6
Prdx6
Plxnd1
Eps15l1
Hdgfrp3
Hdgf

Bnip3
Insr;Insrr;Igf1r
Nkd1
Sub1
Ywhaz
Ywhaz
Aqp4
Impdh2
Dag1
Tom1
Casc3
Park7
Eef2
Robo2
Rps13
Tbl1xr1
Myl12a;Myl12b
Nbea
Tbl1x
Ap2a1
Scn8a
Crmp1
Ap2a2
Fdft1
Fam171b
Mib1
Mib1
Clip3
Mlc1
Ralgapb
Map4k4;Mink1
Prkcb
Sec23a
Comt
Dpysl2
Dpysl2
Wbp2
Eif4a2
Eif4a1
Asap1;Asap2
Tom1
Pkm
Slitrk2
Git1
Sptan1
Tmem63b
Kcnab2
Peg3
Peg3
Hsp90ab1

Hsp90aa1
Atp6v0a1
Npdc1
Sptbn1
Uchl5
Sirt2
Tbc1d17
Stx1a
Rab18
Efnb2
Ccadc50
Thy1
Impact
Psmc2
Ipo5
Hk1
Rpl38
Ube2k
Rbfox1;Rbfox3;Rbfox2
Adcy1
Csnk1g1;Csnk1g2;Csnl
Khshp
Cask
Drg1
Atp2b3
Atp2b3
Vat1l
Gdap1
Syn2
Mical3
Phgdh
Tmbim6
Atp2b1
Atp2b1
Clcn6
Ctnnd2
Copa
Brk1
Cct3
Rars
Hpca;Hpcal1
Gfap
Ncald
Rab14

Sep-06

Ppp6r1
Tmem106c
Scn4b
Sptbn1

Sep-11

Ehd3
Gm5174;Gm6729
Mlc1
Mlc1
Ccgc50
Dcun1d1
Chmp1a
Mag
Mag
Peg3
Gabarap;Gabarapl1
Dcaf6
Btf3l4
Sec22b
Rac3
Psmal2
Yars
Sh3glb2
Tubb4b;Tubb1;Tubb5;
Gsk3b;Gsk3a
Sars
Kiaa1033
Mapt
Ilf2
Sept11;Sept8
Sep-06
Nfe2l1
Usp5
Usp5
Rpl4
Rpl4
Nlrp4e;Nlrp4a;Nlrp4c
Eef1a1
Eef1a2
Slc2a13
Ociad1
Mkl2
Tiam1
Unc13a
Capzb
Inpp5a
Ehd3
Mib1
Dmxl2
Ppp1r7
Slc35f2
Hsd17b11
Prdx2
Hmgb1
Rps12

Tpd52
Anapc4
Vars
Syn1
Syn1
Snx1
Gne
Mapre3
Hsd17b12
Ubl7
Rpl19
Tmem176b
Tmem176b
Napb
Napb
Sptan1
Camta2
Fam171a2
Lamtor1
Maged1
Megf9
Prdx1
Pdxdc1
Amfr
Fbxl2;Fbxl20
Rab5c
Usp9x
Hk1
Ppfia3
Ccadc50
Pnp;Pnp2
Rint1
Fam171a1
Srcin1
Fam171a2
Rcn2
Ppp2r1a;Ppp2r1b
Rac1
Rac1
Rac1
Rac1
Rac1
Bin1;Amph;Bin2
Gng2
Evi5l
Evi5l
Dync1h1
Dync1h1
Rhob
Gpr158

Rpl23a;Gm6096

Stk11ip

Cspg5

Fabp5

Dpysl3

Cx3cl1

Cx3cl1

Cx3cl1

Ahcyl1

Ahcyl2

Tcea1

Hpcal4

Syt1;Syt2;Syt5

Syt1;Syt2

Cfap36

Sep-07

Fth1

Zzef1

Gpr158

Macf1

Nup188

Ndfip1

Ndfip1

Ankrd26

Prkar1b;Prkar1a

Prkar1b;Prkar1a

Strn4

Fnip1

Atp1a1;Atp1a2;Atp1a3

Chmp1a

Ica1

Mat2a

Hnrnpl

Herc2

Cfl1

Cfl1

Snx32

Ran;1700009N14Rik

Gabra1

Cmpk1

Cmpk1

Mapre1

Tmem63c

Hcn1

Ywhah

Syt1

Ankib1

Vcp

Pfkip

Pfkm
Ddi2
Mag
Dync1h1
Dync1h1
Camkv
Camkv
Fgfr2
Bsg
Capn5
Spag9
Acsl6
Dpysl2
Dpysl2
Crmp1
Grin2b
Grin2b
Uba1;Uba1y
Uba1
Mfsd4
Mfsd4
Mfsd4
Mfsd4
Rps3
Htr2a
Dlg4
Snap91
Snap91
Dagla
Epb41l3
Epb41l3
Slc38a5
Aplp1
Slc1a3
Slc1a3
Slc1a3
Slc1a3
Slc1a3
lpo5
Phf2
Aup1
Usp14
Cnnm2
Zer1
Meaf6
Cyth2
Fmnl2
Usp5
H2afy
Ikbkb

Snx3
Bmpr2
Stx1b
Stx1b
Stx1b
Uchl1
Acsl6
Tecpr1

Sep-07

Ppp2r5c
Ahcyl1
Sacs
Fscn1
Scn2a1
Scn2a1
Scn1a
Supt16;Supt16h
Lmnb1
Vcp
Impdh2
Cltc
Rdx
Ipo7
Rspry1
Rgs6
Cdh20
Ptpnj
Scn1a
Scn2a1
Fbxo41
Sptbn1
Atrn

Adgrl1;Lphn1
Adgrl1;Lphn1
Ywhaq
Ywhaq
Btbd1
Rps9
Herc1
Nptn
Nptn
Adrbk1
Nova2
Ldhb
Ldha
Rpl17
Atp1b2

Lingo1

Nploc4
Dbn1
Atp1b3
Gabrb3;Gabrb1;Gabrb
Fads2
Pabpc1;Pabpc5
Pabpc4;Gm10110

Crmp1
Kcnj10
Synpo
Vps26b
Dcaf11
Ptprn
Gnao1
Nsfl1c
Vcp
Syt5
Syt5
Ptprd
Ptprd
Usp21
Mdh1
Ca14
Rgs7
Ubl7
Taldo1
Zzef1
Gnao1
Gnao1
Basp1
Actn4;Actn1;Actn3;Ac
Oxr1
Cct4
Ralgapb
Actn1
Fus
Mgat5
Itsn1
Uso1
Mturn
Mturn
Pde10a
Syt1
Syt1
Ntsr2
Eif1;Eif1b
Cask
Bag6
Slc8a2

Slc8a1
Glrx
Atp6v0a1
Otub1
Atp6v1b2
Chordc1
Dnm1
Hist1h1e
Ank2
Dctn1
Map2
Tubg2;Tubg1
Serpib6e
Lamp2
Abhd17b
Gja1
haemaglobin alpha 2
haemaglobin alpha 2
Atp1a3
Map1a
Vapa
Rpl7a
Eif4a2;Eif4a1
Mfn2
Cbx3
Cbx1
Asxl2
Gfap
Vim
Plcb1
Cltc
Sirt2
Atp2b2
Atp2b2
Pja2
Hbb-b1;Hbbt1;Hbb-bs
Hbb-b2
Sae1
Dcald
Palm
Palm
Paf
Palm2
Lin7a
Slc1a2
Pafah1b1
Eno1
Psmc6
Mpi
Slc20a2

Slc20a2
Ngly1
Plcb4
Plcb4
Arfgef3
Scn3b
Cltc
Ncapg2
Slc2a1
Vmn2r91
Ssb
Acvr1
Ap1g1
Mpi
Necab2
Fads1
Ap2m1
Rgs7
Prkaca
Parg

Plcxd2
Nap1l1
Nap1l1
Copa
Vcp
Arl15
Slc6a7
Slc17a7
Slc17a7
Slc17a7
Slc17a7
Nap1l5
Nap1l5
Dynl12;BC048507;Dynl
Atp1a3
Atp1a3
Atp1a3
Ptpra
Adam22
Cyfip2
Atp1a2
Ran
Usp5
Far1
Cuta
Tfrc
Slc25a5
Slc25a4
Nefl

Psat1
Nefl
Nefl
Adcy3
Sptan1
Cluh
Dbn1

Sep-07

Prrt3
Prrt3
Abca8b;Abca8a
Ehd4
Hddc3
Sptbn1
Nos1
Stmn3
Gdap1
Shisa7
Shisa7
Nckap1;Nckap1l
Hspa4
Ctnnb1
Matr3
Stxbp1
Rangap1
Kcnh5;Kcnh1
Rpl29;Gm17669;Gm3!
Ankrd13d
Synj1
Calcoco1
Stx1b
Stx1b
Stx1b
Stx1b
Gpd2
Trim46
Arl5b
Ywhae
Gda
Bai1;Adgrb1
Btf3l4;Btf3
Upf1
Eno1
Slc9a9
Pi4k2a
Napb
Dnajc5;Dnaja4;Dnaja1
Dnajc5
Dnajc5
Dnaja1

Api5
Cct2
Cacna1b
Taldo1
Prdx6;Prdx6b
Vsnl1
Vsnl1
Epb4.1;Epb41
Grm5
Sfpq
Sfpq
Ptk2b
Ptprs
Ccdc32
Pgam5
Mblac2
Uqcrc2
Tmem230
Tacc1
Rplp2
Tpm1;Tpm3;Tpm3-rs7
Wipi2
Srgap3

Sep-05

Map4
Trafd1
Kif1a
Kif1a
Kif1b
Txnl1
Arhgap39
Arpc1a
Ogt
Ogt
Ogt
Ube3c
Rhou
Gad2
Map2k4
Clta
Mgl
Mgl
Eef1g
Tomm40l
Stxbp3
Lrrc49

Adam15
Cadps
Camk2b

Adcy2
Rpn1
Cnp
Cmas
Anp32b
Iqsec2
Ykt6
Ddx1
Tsr3
Map2
Vamp4
Ankrd13a
Mat2b
Camsap2
Zwint
Gdap1l1
Tuba4a;Tuba1b;Tuba1
Tuba4a;Tuba1b;Tuba1
Tuba4a;Tuba1b;Tuba1
Actn4;Actn1
Psmc6
Hspa8
Sema5a
Sema5a
Acvr1b
Scd2;Scd3;Scd1
Scd2;Scd3;Scd1
Ap3m2;Ap3m1
Tars
Elavl4;Elavl2;Elavl3
Elavl4;Elavl2;Elavl3
Nrg2
Ndr3
Rps9
Tsg101
Vcp
9530068E07Rik;Kct2

Hsp90aa1
Sept11;Sept8
Sep-06

Myrf
Rps9
Eps15
Sae1
Arfgef1
Stxbp1
Cct5
Gabrb2
Arpc1a

Kif1a
Pfdn6
Rpl4
Lmna
Drp2
Cyfip2
Gsto1
Got1
Kif1a
Iqsec1
Eef1a1
Smpd3
Smpd3
Acat1
Scp2
Rnmt
Slc12a5;Slc12a6;Slc12
Slc12a6;Slc12a4
Slc12a5
Uba1
Bag5
Sept11;Sept6

Sep-08

Mpp2
Smim20
Uchl1
Map2
Usp9x
Cspg5
Cers6
Ccdc185
Fkbp3
Vcp
Vcp
Epb41l3
Gria1
Zfyve27
Ptprn2
Tpp2
Itpr1
Usp5
Cdk5
Ap2b1;Ap1b1
Cct8
Kif5c
Klc1
Gapdh
Tpm1
Ptprt
Kpnb1

Ube2n
Neo1
Kif1b
Vamp7
Vamp7
Vamp7
Otub1
Abca2
Abca2
Hif1a
Ube3a
Gabrb1
Cckbr
Mien1
Arl6ip5
Ubr4
Cask
Cacna1a
Scg2
Pitpna
Pitpnm1
Fam134a
Moap1
Necab3
Ubfd1
Aimp1
Ranbp2
Coro1c
Coro1c
Ankfy1
Cyfip1
Nup85
Zyg11b
Arc
Nipbl
Kif3a
Atp6v1h

Aifm3
9030025P20Rik;Gm34
Arih1
Enc1
Dlgap3
Ago2
Cetn2;Cetn1
Htatsf1
Ehd1
Prepl
Rap1gds1
Htt

Mib1
Slc27a1
Mar-02

Metap1
RbmX;RbmXl1
Eif3h
Slc43a2
Nudt21
Rps6
Mapk3
Ide
Mef2d;Mef2a;Mef2c

Armcx3
Gramd1a
Ube2m
Spag9
Cadps;Cadps2
Ppp2ca
Ppp2ca
Dlgap1
Dlgap2
Gak
Celf5
Dapk1
Gnb1
Eno2
Sms
Atp6v0a2

Efhd2
Caly
Flt1
Naa25
Amph
Vcp
Ttyh1
Vps45
Ppp2r1a
Snx6
Snx6
Psmc2
Stxbp5l
Golga2
Clint1
Tcaf1
Rgs4
Hdac11
Clcn2
Lrrc58

Taldo1
Cct2
Mpp3
Usp5
Usp5
Eif3e
Kcnc2
Myo5a
Gna12
Amph
Ddb1
Acsl1
ApoE
Clcn7
Clec16a

Rps9
Fmn13
Prps13;Prps1;Prps2
Tro
Gad1
Hist1h1c;Hist1h1e;His
Sptbn2
Napg
Abca1
Atp2c1
Nsg1
Prkca
Rhbdd3
Khdrbs3
Ptk2b
Sec14l1
Tkt
Arf6
Adcy9
Pde2a
Cct2
Otud7a
Birc6
Farp1
Tcaf1
Zw10
Syn1
Sdpr
Kifc2
Pfkf
Mdh1
Tollip
Atp6v1c1
Anks1b

Klhl22
Htt
Sep-07
Ddhd1
Cltc
Dhx57
Clic4
Acbd5
Slc20a1
Sec23ip
Ccdc160
Rph3a
Atp6v0d1
Napb
Specc1
Als2
Anxa3
Aak1;Bmp2k
D6Wsu163e
Cntnap3
Rims1
Syp
Lancl1
Clic5
Ccnc
Atp6v1f
Ywhae
Dctn1
Pura
Akr1e2;Akr1e1
Ogfrl1
Smc1a
Sptan1
Usp24
Ndufv1
Eef2
Taldo1
Txn
Chrna4
Lrsam1
Nmt1
Ubc
Ubc;Ubb;Gm8797;Uba
Ubc;Ubb;Gm8797;Uba
Ubc;Ubb;Gm8797;Uba
Ubc;Ubb;Gm8797;Uba
Atp1a1;Atp4a;Atp1a2;
Dhx32
Tmem38a
Hspa8

Hspa8
Atxn3
Vat1l
Atxn10
Trpm3
Syt3
Ubr4
Map2k1
Fabp7
Fabp3
Atp6v1a
Gga1
Rpl3
Sult4a1
Wdr47
Cnp
Atad1
Gdap2
Islr2
Creb3
Ap2a1;Ap2a2
Map2
Cap2
Capn5
Rpl10
Prkcb
Rnd2
Fmr1
Sptan1
Sptan1
Mycbp2
Gpr158
Arpc1a
Idh3a
Vcp
Suv420h1
Bcor;Bcorl1
Rad23b
Rad23a
Rad23a
Rps4x;Gm15013
Nedd8
Nedd8
Nedd8
Cand1
Gpr37l1
Neurl4
Stx1b
Nostrin
Cops3

Usp9x
Myo1b
Ubl7
Psd3
Ptprn2
Ptprn2
Supt6h
Lmna

Sep-07

Aqp4
Fsd1
Fsd1
Fasn
Cspg5
Cspg5
Cspg5
Cspg5
Cspg5
Golgb1
Nckap1
Dock4
Cdc37
Rangap1
Kcnab2
Cdk5r2
Dbn1
Map1b
Map1b
Rasgrp1
Cpne2
Tmub1
Tmub2
Tmub2
Camk2d;Camk2a;Cam
Hnrnpc
Fus
Ldha
Scn1a
ApoE
Srp54
Map1b
Cdk5r1
Gnai1
Gnai3
Enc1
Axin2
Arf4;Arf1;Arf3;Arf2;Ar
Arf6
Cltc
Plcb1

Actr3
Lmnb1;Lmnb2
Actr3b
Man2c1
Wdr7
Ncs1
Psmc3
Amigo1
Tmem163
Gabrd
Slc7a4
Usp13
Dgkz
Dnajb4
Abhd17b
Prkaca;Prkacb
Glrx
Psd3
Pcm1
Axl
Kif5c
Lasp1
Acot11
Arl3
Hepacam
Lancl2
Lancl2
Arcn1
Stx1a
Erc2
Slc30a3
Kifap3
Xpo7
Snap25
Raly
Clptm1
Abhd3
Hprt1
Slc38a9
Oxtr
Sgta
Rpn1
Atp2b1
Atp2b3
Atp2b2
Znfx1
Arfgef3
Sumo1
Rpl13a
Dync1h1

Rpl7a
Orai2
Hrh3
Atl1
Tiprl
Ubtg
Rps4x;Gm15013
Arih1
Slc24a2

Ube2n
Lrp4
Ubxn7
Kctd16
Smpd3
Apt
Nbea
Pclo
Pmvk
Vps35
Vps35
Tmem176b
Nup205
Gja1
Nhp2l1
Eif3a
Rheb
Psmc3
Napb
Napa
Slc12a2
Fam26e
Cand1
Nwd2
Grin2a
Psmc6
Erc2;Erc1
Tnk2
Iffo1
Fam171a2
Ctnna2
Hnrnpu;Gm28062
Ankrd46
Myo5a
Cfap36
Sptbn2
Atp6v0d1
Neurl4
Rnf180
Ubl4a

Fam188a
Slc8a1;Slc8a2
Taldo1
H2afx;Hist2h2ab
Upf1
Tln2
Tln2
Ptpn5
Dctn2
Dctn2
Ctnnb1
Sars
Rangap1
Hnrnpk
Plcb4
Sirt2
Syne1
Plcb1
Gbf1
Depdc5
Mest
Asns
Cenpv
Evi5l
Camk2d;Camk2a;Cam
Camk2b
Vps35
Atp8a1
Macf1
Rasgrf1
Gga1
Arih1
Gnb2
Gnb1
Stx8
Lamtor1
Dnajc13
Acsl1
Mib1
Gnao1;Gnat2;Gnai1;G
Slc4a4
Epb41l3
Hist1h2bc;Hist1h2bh;l
Fry
Slc25a4
Slc25a5
Pcbp1;Pcbp2;Pcbp3
Ddit4
Ide
Tbc1d9

Ctnnb1
Ano3
Adcy1
Adcy1
Hk1
Aldh1a1;Aldh1a7
Tsn

Wnk2
Scn8a
Scn8a
Scn8a
Rnf152
Arhgef7
Calb1
Hspa2;Hspa8
Ccdc50
Cct4
Phlpp1
Vps45
Kcnj10
Sqstm1
Trpc4ap
Slc12a2
Specc1
Acsf6
Lmnb2
Xpo1
Gjb1
Maoa
Kpna6
Kcnab1
Dip2b
Syngap1
Psmc2
Trim23
Daglb
Huwe1
Ncdn
Emcn
Maged1
Birc6
Gpr27
Qki
Vps29
Ngef
Gnb1;Gnb2;Gnb4
Slc9a3r1
Slc9a3r1
Slc9a3r2

Plxna4;Plxna2
Ermap
Smpd3
Cadps
Vps35
Gramd4
Rars
0610037L13Rik
Smarca2;Smarca4
Tanc2
Ddx5
Bzw1
Rps3a
Fabp5
Fabp5
Kidins220
Ist1
Farp1
Wrnip1
Ube2v1;Gm20431;Ubr1
Slc17a7
Slc17a7
Ltn1
Mvb12a
Usp9x
Ccp110
Lmbrd2
Trim44
Trim44
Dcaf7
Adap1
Pld3
Pld3
Rasgrf1
Pafah1b1
Pafah1b1
Pafah1b1
Moap1
Moap1
Plcb4
Rwdd1
Atp6v1h
Slc5a7
Abcd2
Rmdn2
Set
Smap1
Slc12a5
Map2k4
Pkm

Diras2
Srsf11
Pfkp
Pfkp
Pfkp
Pfkp
Arl2
Wdr7
Rpl7
Actn2
Sccpdh
Cdc14a
Nub1
Vsnl1
Vps35
Ccgc28a
Ccgc28a
Hspa4
Trappc13
Psmc3
Usp32
Tmem200a
Bin1
Gabpa
Naa50
Dhx9
Nsg2
Nsg2
Eif4a1
Tmem129
Slc39a10
Kcnh7
Mertk
Eif4a2
Prps1l3;Prps1
Prps2
Inf2
Stmn3
Ap2m1
Syt7
Elfn2
Tomm20
Lars
Cdk5
Mta1
Lnp
Eif5a
Hspa12a
Nudt21
Ctnnd2

Pcnxl3
Ccdc50
Birc6
Ckb
Psat1

Snrnp200

Sep-07

Pfklp
Pflm
Eef1a2;Eef1a1
Birc6
Ankrd13d
Usp9x
Chmp2a
Flot1
Syngap1
Hmox2
Arl10
Cpt1a
Abca2
Flt1
Hsd11
Sptbn1
Xpo7
Cyp46a1
Acsl3;Acsl4
Rpl19
Psm4
Apbb1
Adcy5
Nckap1
Slc6a6
Nup85
Vim
Herc2
Atp8a1
Camk2n1
Prkar2a;Prkar2b
Ogt
Gnas
Ttc9c
Usp14
Sipa1l1
Khdrbs1
Synj2bp;Gm20498
Fam49b
Trim28
Cltb
lpo5

Stx12
Uba3
Uba3
Exoc4
Cds2
Bag6
Vapa
Pfdn6
Mdh1
Mdh1
Sez6l2
Ttc39c
Adcy2
Adcy2
Adcy2
Sptb
Ttc3
Cadps
Cadps2
Epb4.1l1;Epb41l1
Lmn2
Lmn1
Dlg4
Soga3
Mfap3l;Mfap3
Slc6a11
Zwint
Psm3
Mertk
Lmna
Ywha
Mff
Aco2
Cttnbp2
Myo5a
Rpl30
Farsa
Epn1
Trim35
Psm3
Myh10
Elmo1
Tbc1d17
Ppid
Ralgap1
Plxnb2
Tomm7
Mib1
Sptan1

Rabgef1
Aldh3a2
Daam1
Dynlrb1
Dnm1
Rufy3
Mpp6
Mapt
Sptan1
Alb
Cadps
Eea1
Spg20
Wdr7
Cct3
Al837181;Bles03
Sptan1
Kcnq3
Atl2
Evi5l
Cyp46a1
Cyth2
Ckb
Pfkp
Pfkp
Tomm70a
Herc1
Herc1
Zc3h7b
Pdgfra
St13
Zer1
Uso1
Begain
Pde2a

Med14
Ubash3b
Sptbn1
Sptbn1
Slc22a15
Wdr47
Stx1b
Vangl2
Tbcb
Fbxo41
Pdcl3
Rasa3
Taldo1
Kit

Dmxl2
Kif5c;Kif5a;Kif5b
Marcks1
Mical3
Pmvk
Trove2
Sgtb
Necap1
Plaa
Tollip
Gria3
Tmem59
Maoa
Abcb9

Patl1
Gtf3c4
Hk1
Tmed5
Srcin1
Hpcal1
Dnaja1
Kif1a
Astn1
Htatsf1
Epb4.1l2;Epb41l2
Epb4.1l2;Epb41l2
Trove2
Nup93
Gjb1
Desi1
Rab3gap2
Unc5c
Lppr2
Lppr2
Prmt5
Akap5
Psd3
Ptprs
D630045J12Rik;Kiaa1!
Klhl11
Hars
Nkiras1
Dlgap1
Dlgap1
Kif5c
Htr2a
Cad
Eef1d

Spred1
Gcat
Herc2
Kcnab2
Kcnab2
Kcnab2
Cacnb1
Sbf1
Scn2b
Scn2b
Scn2b
Scn2b
Scn2b
Rtn4
Faim2
Faim2
Faim2
Tuba4a;Tuba1b;Tuba1
Npepps
Abtb2
Daglb
Usp30
Rpl34;Gm2178
Dopey2
Homer1
Nmral1
Ppp3ca
Ppp3ca

Atp9a

Psmb1
Fyn
Ago1;Ago4;Ago3
Fabp7
Trappc13
Tppp
Plcb1
Nefm
Pde10a
Podxl
Cdk17;Cdk18
Gcn1l1
Osbpl1a
Vdac1
Vdac2
Efr3b

Dmxl2
Cfl1

Cfl1
Sptbn1
Sptbn1
Gpr17
Flot1
Eprs
Ube2a
Gria2
Wasl
Prpf8
Gria3
Gria3
Psmc8
Sptbn4
Pgk1
Pgk1
Ankrd13a
Ankrd13a
Vdac3
Dag1
Cmip
Vdac3
Vdac1
Vdac2
Srp72
Cacng3
Eea1
Srp72
Tpm1
Myo5a
Ndn
Adcy9
Rac1
Rac1
Dctn2

Fasn
Uba3
Ptprd
Ptprd
Npdc1
Atp2b2
Rps13
Peak1
Atp2a2
Zeb2
Ankrd13a
Src
Cand1
Hagh

Mapre3

Sep-03

Adgrb1

Slc6a11

Slc6a11

Syt1

Rnf14

Sec31a

Stx7

Phyhipl;Phyhip

Vat1

Brp

Prosc

Pde2a

Acsl6

Rab3b

Arvcf

Rab3c

Efr3b

Pelo

Sptbn1

Acsl1

Rab3a

Rab3a

Ap2a1

Capzb

Hsph1

Rab39b

Akap7

Akap7

Slc9a3r1

Gng2

Gng2

Nmt2

Rap1gds1

Rap1gds1

Ryr2

Rab6b;Rab6a

Atxn10

Ctnnd2

Nono

Gapdh;Gm3839

Pcbp4

Prkar2b

Kifap3

Cul9

Impact

Glul

Usp25

Ran
Abcb1a
Abcb1a
Vti1b
Cct8
Srcin1
Dync1h1
Dync1h1
Eef1b;Eef1b2
Prdx1
Prdx2
Prdx2
Mical3
Alb

Mar-02

Ptov1
Ccgc50
Nsfl1c
Gmfb;Gmfg
Vps45
Hars
Htt
Bai1;Adgrb1
Psmal
Sptbn1
Sepw1
Wdr41
H1f0
Emc1
Pcbp2
Pcbp3
Ube2k
Cdc23
Sae1
Slc2a3
Slc2a3
Nedd4l
Gnai1
Nsfl1c
Usp11
Syn2
Syn2

Cyb5r3
Cul2
Sptbn1
Gpr158
Arih1
Rnf25
FAM120A

Tmem63b
Lmnb1
Arhgef2
Prpf8
Cspg5
Ap3b2;Ap3b1
Kif5c;Kif5a;Kif5b
Enc1
Elp2
Camk2d;Camk2a;Cam
Camk2d;Camk2a
Psmc3;Psmc3
Kcnh5;Kcnh1
Cfap20
Gstm1;Gstm7;Gstm3
Ap3b2
Cnp
Txnl1
Qki
Desi1
Hgs
Hectd1
Ubr4
Ubr4
Fabp5
Pin1rt1
Hmox2
Ndrp2
Bin2
Xpo5
Bax
Bax
Bax
Npepps
Gdi1
Gdi1
Ubt1
Hk1
Napb
Kidins220
Cct3
Flot2
Stx16
Atp13a2
Xpo1
Eef1g
Hip1
6330409D20Rik
Psmc3
Psmc3

Tubb5
Prepl
Ppp2cb
Ppp2cb
Ppp2cb
Ywhae
Ywhae
Ppp2ca
Ppp2ca
Ndr3
Ndr3
Ndr3

Atp6v1a
Cplx2
Ptb2
Panx1
Itgb8
Ywhaz
Ywhaz
Ywhaz
Ywhaz
Vsn1
Nlrp9a
Socs5
Map4
Ube2o
Mdh1
Tsc22d1
Rap1gds1
Napa
Napa
Hpcal4
Hpcal4
Stx1b
Stx1b
Stx1b
Eef1a2
Eef1a1
Snca
Sncb
Syt1;Syt2

Mob2
Sestd1
Psat1
Fis1
Hnrnpdl
Snap47

Snap47
Naa10;Gm16286;Naa:
Tmpe
Gna11;Gnaq;Gna14
Gng13
Dnm1
Cplx1
Syngr1
Syngr1
Nsf
Slc4a10
Tpm4
Tpr
Ywhaq
Ywhaq
Synpo
Synpo
Abcb1a
Abcb1a
Cfap36
Ndufa12
Anp32e
Slc9a1
Rad23a
Fbxw11
6330403A02Rik
6330403A02Rik
Bag6
Dcun1d1
Dcun1d1
Nedd4
Fgf12

Sep-05

Abi2;Abi1
Pcmdt2
Cnp
Hnrnpa3
Rpl4
haemaglobin alpha 2;I
haemaglobin alpha 2;I
Unc13a
Hcn1
Hcn1
Hcn2;Hcn4
Hcn2;Hcn4
HnrnpdI
Hnrnpd
Hnrnpd
Efhd2

Peli1
Hnrnpab
Hnrnpab
Atp2a2;Atp2a1

Fth1
Cxadr
Lin7a
Cldn11
Rtcb
Syt5
Sgta
Prkcg
Gja1
Gja1
Sec23ip
Sec23ip
Cacna1b
Hsph1
Rps13
Slc1a2
Slc1a2
Gnao1
Gnao1
Gnai1;Gnai2;Gnai3
Gnai1;Gnai2;Gnai3
Orm2
Tmem55b
Ttc7b
Ttc7b
Hnrnpc
Tmem200a
Tubgcp3
Abca2
Psd3
Ube2m
Plxna4
Adcy2
Cct4
Cct4
Phf14
Eif3c
Rab2a
Gpr158
Dip2a
Dstn;Cfl1;Cfl2
Rgs17
Uchl5
Ciao1
Psmc13

Tsg101
Smarcc2
Hspa8
Golga4
Spg20
Gng3
Gng3
Gng3
Gng3
Gng3
Snap47
Dlgap4
Fanc1
Tacr
Gabbr2
Gabbr2
Iqsec2
Rps9
Gfod2
Tjap1
Wdr82
Acap2
Laptm4b
Gpm6b
Gpm6b
Gpm6b
Gpm6b
Eif3i
Pld3
Pld3
Pld3
Rhoa
Dpp10
Trim35
Sptan1
Trappc11
Lchn
Sptan1
Slc4a5
Lrrc16a
Pitpna
Slc4a8
Neo1
Spcs1
Aif1
Ubxn1
Ubxn1
Irgm1
Bcl9
Sssca1

Ist1
Sptbn1
Sptbn1
Mysm1
Gstm5
Lhfp13
Lhfp14
Snap25
Snap25
Syngap1
Camk2a
Camk2a
Ube2f;Ube2fb
Ube2f
Ank3
Mapk10
Jakmip2
Gucy1a2
Slc6a17
Atp2b2;Atp2b1;Atp2b
Zfp326;Znf326
Ppp3r1
Ppp3r1
Itgb1
Hmox2
Usp9x
Kif1b
Copa
Copa
Tsnax
Rufy3

Usp6nl
Hip1r
Ak5
Hnrnp1
Snap47
Ctxn1
Ctxn1
Map2
Rpl19
Uchl1
Mllt11
Mllt11
Ryr2;Ryr1
Al413582
Kctd20
Slc14a1
Slc14a1

Chrm1
Scamp1

Stxbp1
Tkt
Rac1;Rac2;Rac3
Rtn1
Gpm6b
Gpm6b
Gpm6b
Gpm6b
Gpm6b
Lrrc7
Slc1a2
Slc1a2
Slc1a2
Slc1a2
Slc1a2
Slc1a2
Slc1a2
Slc1a2

Sep-04

[illegible]

Upf1
Upf1
Ppap2b
Ppap2b
Slc24a4
Cdc42
Atp6v0a1
Atp1a3
Atp1a3
Atp1a3
Atp1a3
Kcnab1
Rad23b
Rad23b
Tubb4b;Tubb2a;Tubb2b
Bcas1
Bcas1
Rab3b
Usp24
Rab3c
Rab3c
Adam34
Steap3
Vps45
Atp1a1
Atp1a1

Prmt8
Pex5l
Fam49b
Fam49b
Gm9774;Adrm1
Gm9774;Adrm1
Gm9774;Adrm1
Kcnq5
Tubb3
Tubb4b;Tubb5;Tubb2a
Tubb4b;Tubb5;Tubb2a
Mstn
Slc2a3
Wdr26
Elfn2
Cnp
Dpysl2
Dpysl2
Dpysl4
Sbf1
Stxbp1
Stxbp1
Qdpr

Qdpr
Olfm2
Vcl
Gdi2
Abcd3
Abcd3
Gcsh
Ywhab
Lrrc7
Atp1a2
Atp2b2
Atp2b3
Htt
C1ql3
Rasgrp1
Gng3
Gng3
Bmpr1a
Amph
Amph
Vsnl1
Vsnl1
Vsnl1
Cbx5
Herc2
Herc2
Prps1l3;Prps1;Prps1l1
Ndn
Ank2
Hspa8
Hspa8
Slc19a1
Hspa8
Hspa8
Hspa8
Hspa8
Hspa8
Hspa8
Sec23a
Cnp
Cnp
Hpca;Hpcal1;Ncald
Hpca;Hpcal1;Ncald
Hpca;Hpcal1;Ncald
Hpca;Hpcal1;Ncald
Ldhb
Rpl13a
Atp2b2;Atp2b1;Atp2b
Atp2b2;Atp2b1;Atp2b
Atp2b1
Mul1

Sptbn1
Gne
Gne
Usp24
Usp24
Sppl3
Cltc
Prkar1a
Prkar1b
Idh1
Ephb3
Dynll2
Dynll2
Dynll1
Dynll1
Atp2a2;Atp2a1
Hnrnpk
Ybx3
Synpo
Syt1
Syt1
Pafah1b2
Rab7a
Rab7a
Mapk8ip3;Spag9
Gria2
Gria2
Dlg4
Adrbk1
Dlg3
Uba6
Psd3
Syt12
Cul3
Herc2
Hgs
Hgs
Cth
H2afy2
Atp1a1;Atp1a2;Atp1a
Ywhah
Prps1l3;Prps1;Prps1l1
Syt1
Hspa4l
Hspa4
Gap43
Gap43
Hist1h2ah;Hist1h2af;H
D430041D05Rik
Prkcg

Ankrd29
Cntnap5b
Kcnh7
Ank3
Rab18
Capzb
Kifap3
Emb
Eps15l1
Gng7
Stam
Hnrnpl
Ubr3
Sptbn1
Cadps2
Gstp1;Gstp2
Usp9x
Hnrnpab
Pdgfra
Gjb2
Gjb6
Gjb6
Sept11;Sept6
Dnaja4
Maoa
Cntnap5a
Camkv
Pfkml
Psd
Arl8b;Arl8a
Ywhaz
Eif4a2
Cyth2;Cyth3;Cyth1
Pik3r1
Atp2b4
Pfkml
Abca3
Rnf14
Rpl7
Slc17a6
Pfkml
Ocln
Fabp3
Fabp3
Hspa4l
Rnf114
Rpl7a;Gm14214
Pfkml
Pih1d2
Vdac3

Naa15
Jak1
Zdhhc9
Ryr2
Hspa4
Cyfip2
Rad23a
Rad23b
Rad23b
Mtpn
Ube2g1
Kif5c
Atp1a1
Atp1a1
Tmx4
Arpc5l
Ank2
Cul3
Kcnj4
Pik3r4
Pgk1
Pcdh7
Ank2;Ank3
Usp33

Slc7a8
Usp9x;Usp9y
Wbp2
Wbp2
Dmxl2
Hsbp1
Hsbp1
Arf4;Arf5
Arf4;Arf5
Pkm
Tmod2
Prkcb
Rab8a
Ppp1r7
Taf1
Fbxl20
Aco1

Mar-08

Ankrd13d
FAM120A
Psm4
Nme1
Neb
Hsp90aa1
Ahcy12;Ahcy11

Ntrk2
Pde2a
Thop1
Hk1
Sf1
Impact
Calb1
Stmn2
Ap2b1;Ap1b1
Ldlr
Rpl4
Pdcd6ip
Anks1b
Atp6v1c1
Abca9
Arf1;Arf3;Arf2
Arf1;Arf3;Arf2
Scn3a
Scn3a
Fam81a
Fam171b
Fam171b
Epn1
Tmem87a
Epn2
Gfap
Vsnl1
Vsnl1
Kcnip4
Homer1
Myl6
Gne
Gne
Hspa4
Hspa4
Rps6
Fryl
Pde10a
Dnajb5
Ube4b
Ppp1r12a
Trim2
Slc12a5
Slc12a5
Rps17
Rps17
Rhot1
Sphkap
Rpl23a
Dnm3

Dnm1
Itpr1
Gmfb
Kifap3
D430041D05Rik
Atp2b2;Atp2b1;Atp2b
Calb1
Cdc42
Pik3c2a
Mgl
Bmpr2
Rpl27a
Slc13a5
Snap47
Psmc2
Phldb1
Fdft1
Dmxl2
Hnrnpr
Cbx5
Celf4
Zer1
Hbb-b2
Rnf166
Got1

Sep-07

Atp1a1;Atp1a2;Atp1a
Ttc27
Nckap1
Kif1b
Slc1a2
Sirt2
Mdh2
Kcnab2;Kcnab1;Kcnab
Elmod1
Snx32
Myo5a
Camk2b;Camk2g
Tusc2
Map1b
Gnao1
Gnao1
Cnot8
Cnot7
Dlg3
Camkv
Hsp90ab1
Anp32e
Vps45
Nf1

Prkaca;Prkacb
Rnf112
Ywhae
Ywhaz;Ywhab;Ywhag;`
Ywhaq
Stx12
Syt7
Slitrk2
Nup205
Nub1
Cltc
Ina
Vamp8
Nap1l1
Slc7a2
Tceal1
Vbp1
Atxn10
Atxn10
Atxn10
Gda
Rab14
Slc4a4
Pcnxl4
Dnm1
Snx6
Ube3a
Prkcb
Rusc1
Cops3
Shisa7
Tkt
Upf1
Pkd1l1
Vldlr
Itsn2
Nefl
Eef2

Slc9a9
Gigyf2
Psd3
Ube4b
Ptprj
Ptprj
Nmnat2
Gnai1;Gnai2
Rcbtb1
Csf1r
Cltc

Ndufa4
Mgrn1
Atp2b2
Gpr56
Hpcal4
Wwp1
Slc24a2
Smpd3
Cap1
Ncdn
Hsp90ab1
Gm10020;Rpl15
Naa15
Atp1a3
Stt3b
Vcl
Dcun1d2
Ap3d1
Grin2a
Tmsb4x
Ppp1r7
Atp1a1
Ranbp9
Ddi2
Fnbp1
Fnbp1
Grin1
Fryl
Eps15l1
Mgrn1
Epha5
Pcm1
Cul3
Stip1
Gdi1
Usp9x;Usp9y
Dpcr1
Cmpk1
Tacc1
Gps1
Slc17a5
Uchl5
Uchl5
Mfn1
Mfn1
Fry
Rock2
Hspa8
Sptbn1
Dip2b

Tcaf1
Abca1
Hspa1l
Hspa8
Hspa8
Daam2
Cnp
Gprasp1
Hecw1
Gfod1
Morf4l2
Cbx1
Dock11
Ap2a1
Hcn2
Hcn1
Cul9
Vcl
Rnf14
Usp32
Hspa8
Xrn2
Atp2b1
Psip1
Fam131b
Fam98b
Atp1a2
Camk2b
Aars
Tubb4b;Tubb5;Tubb2a
Atp1a1;Atp1a2;Atp1a3
Ywhah
Ctnnd2
Slc23a2
Slc23a2

Hdgfrp2
Tax1bp1
Dst
Smrncb1
H2-D1;H2-L
H2-K1
Nisch
Nisch
Snx5
Nfe2l1
Snap91
Mib1
Tmsb10
Rtn3

Atp6v0d1
Macf1
Gria3
Dlg1
Hdgfrp3
Hspa8
Dlg4
Lmbrd2
Atp6v0d1
Irf2bp1
Adcy1
Ap3b1
Clcn6
Ncam1
Acot7
Nap1l1
Morf4l1
Map1b
Anapc2
Agpat1
Cdc42
Cdc42
Mdh1
Dhrs7b
Peg10
Peg10
Ssr3
Npepps
Dnaja2
Calr
Atxn10
Atxn10
Csf1r
Ppp4r2
Vdac1
Camsap2
Dclk1
Mppe1
Flot2
Gnai1;Gnai2;Gnai3
Exosc8
Itpr1
Amph
Tmem199
Rtcb
Inpp4a
Tpm3
Tppp
Cand1
Tesc

Pgm2l1
Napb
Arc
Rab5c;Rab5a
Sqstm1
Baiap2

Gucy1b3
Scamp3
Scamp3
Nrnx1;Nrnx2
Nrnx1
Nrnx3
Nrnx3
Cox6b1
Atp2a2
Mapk1
Fez1
Gja1
Mif
Cacybp
Hnrnpa2b1
Hnrnpa2b1
Fam73b
Hid1
Ttc19
Rhot1
Rad23b
Arhgef17
Gng11
Cops3
Dner
Ncam1
Dnah12

Hist1h2bc;Hist1h2bh;l
Nedd4l
Camkv
Gprasp2
Prune2
Ckb
Wwp2
Ppp1cb
Ppp1cc
Ppp1ca
Usp33
Dlg2
Dhx9
Hdac11
Aldoa

Atrn
Cacna1e
Slc16a1
Eps15
Glul
Glul
Celf4;Celf3;Celf5
Soga1
Fam63b
Gprasp1
Pkm
Pkm
Synpo
Synpo
Synpo
Arhgap35
Csnk2b
Pnpo
Hspa2;Hspa8
Usp24
Anxa6
Neurl4
Syt13
Psd3
Dgki
Gm28557;Rslcan18
Syt3
Syn2
Vdac2
L1cam
Acot7
Acot7
Slamf6
Eif2b4
Comtd1
Cckbr
Elmo2
Slc16a13
Slitrk2
Ctnna2
Ctnna2
Lrrc9

Abhd17a;Abhd17c
Pcnxl3
Synpo
Synpo
Ptpmt1
Pcnxl3

Nkain4
Mtmr2
Eif3g
Fgfr2;Fgfr3;Fgfr1
Vps35
Myo6
Pkm
Gm10020;Rpl15
Sfpq
Pspc1
Pcdh1
Cct3
Csf1r
Nono

Egfr
Mgea5
Nedd4l
Epha4;Epha7

Ankrd17
Slc38a2
Hnrnpc
Phgdh
Anapc5
Ptrf
Itpr1
Sdcbp
Rgs7bp

Atp6v1g1
Ttc5
Cdh2
Stxbp5
Acsbg1
Dnajb6
Hk1
Slc12a2
Rpl12
Exoc6
Ppfia3
Syn1
Cit
Aldh7a1
Rab5c
Rab5a
Spg20
Hspa8
Dbi

Sh3gl1
Itsn2
Morc3
Sec22b
Fmnl1
Usp14
Add2
Jam3
Cyfip2
Abcb8

Sep-05

Add2
Usp24
Btbd3
Gnas
Hspa4
Arf6
Cacna1a
Hsph1
Arf4
Arf1;Arf3;Arf2
Arf1;Arf3;Arf2
Arf5

Mlc1
Mlc1
Mlc1
Tnfrsf21
Tbcc
Arl4d
Ankfy1
Ank2
Stx12
Trim23
Map1b

Gnb1
Rabep1
Synj1
Capzb
Capzb
Ncam1
Cul2
Rnf5
Epb41l3
Tmem192
Tmem179
Dcun1d1
Map6d1
Thop1

Anxa5
Ubxn7
Rasgrf1
Ctnnd1
Kif1a
Psmc3
Psmc3
Ppp3ca
Snx6;Snx32
Stx1b
Tax1bp1
Copa
Ap3d1

Pitpna
Rufy3
Lhfp14
Slc22a8
Cend1
Prr7
Rab7a
Rab7a
Camk2d;Camk2a
Eea1
Dpysl3
Fbxo28
Arih1
Cyld
Napg
Hcn2
Synpo
Ptprg
Zbed5;Chchd2
Uba2
Uchl1
Glpr2
Ptprs
Ptprd
Atp11b
Brms1l
Hcn1
Cd81
Slc43a2
Atp1a1;Atp1a2;Atp1a3
Abhd8
Ngef
H2afy
Sptan1
Slc2a1
Tbc1d30

Sh3gl1;Sh3gl2
Atp8a1
Slc32a1
Slc32a1
Il1rap
Eif3c
Ubr4
Syn1
Mapre3
Cacna1e
Daam2
Bin1
Ipo9
Adcy2
Ptpn
Stx1b
Stx1b
Stx1b
Rab2a
Gm20390;Nme2
Herc1
Uchl1
Cmip
Cmip
Plp1
Plp1
Ubc;Ubb;Gm8797;Uba
Dpysl2
Eif3l
Atp6v1e1;Atp6v1e2
Rab2a;Rab2b
Psmc2
Fdps
Grk6
Faf1
Pdcd10
Sbds
Sdpr
Casp7
Ngef
Prkar1a
Psmc3
Hgs
Thop1
Fam213b
Csnk1a1
Scn2a1
Birc6
Actn4;Actn1
Ncdn

Cadm4
Slc8a2
Boc
Pmm1
Scn1a
Scn1a
Kif5c;Kif5a;Kif5b
Gfap
D630045J12Rik;Kiaa1!
Cdc42
Cdc42
Tmeff1
Slc6a17
Rock2
Rock2
Gid8
Uba1;Uba1y
Crmp1
Ola1
Dctn2
Plcb1
Plcb1
Rab3a
Huwe1
Dnaja2
Vcp
Arl3
Rpl35;Gm10269
Morc3
Kcnj16
Dnajc7
Ubc;Ubb;Gm8797;Uba
Chd4
Kif5c
Dnm1
Coro2a
Atp6v1h
Msn;Ezr
Tuba4a;Tuba1b;Tuba1
Gpr89a
Morf4l1
Xpo1
Dtna;Dtnb
Dusp14
Pacsin1
Arl8b
Arl8b
Lppr3
Syn2
Eef1a2

Chmp2a
Plxna4
Plxna3
Tmed4
Ppfia3
Cltc
Osbp16
Abce1
Uba1
Abhd8
Sptbn2
Ngef
Plxna2
Plxna1
Nisch
Huwe1
Sptbn1
Tmx2
Eif3e
Rogdi
Mib1
Ccgc50
Coro2b
Optn
Dync1h1
Nefm
Cops3
Ppp2ca
Ppp2r1a;Ppp2r1b
Usp48
Epn2
Tmed9
Birc6
Sptbn1
Hnrnpu;Gm28062
Cacna1g
Hpca
Hpca
Tagln3
Gnao1
Gnaz
Nedd8
Pcbp1
Psmc13
Vti1a
Nefl
Gjb1
Rab21

Ube2k

Vsnl1
Hpcal1
Hpcal1
Atp2b2
Pcdhgc5;Pcdhga3;Pcdhga3
Coro2a
Uba1
Adcy8
Map1b
Bcas3
Usp33
Nefm
2410002F23Rik
Sbds
Pi4ka
Atp2b2
Fbxo41
Pcdh17
Rab12
Plcb1
Dst
Cacna1e
Dusp15
Cacna1e
Soga3
Lrsam1
Stx7
Synj1
Epb41l3
Tbc1d10b
Ndufa8
Slc22a6
Birc6
Stx8
Syngap1
Sptan1
Fbxl17
Eif3m
Kif1a
Kif1b
Plekhb2
Smad4
Diras2
Epb41l3
Epb41l3
Gad1
Wls
Spg20
Tcea1
Usp20

Bzw1
Slc6a17
Slc6a17
Eif3a
H2afy2
Syne1
Alb
Rpl7a;Gm14214
Lhfpl4
Gria1
Anxa6
Scamp3
Palm2
Znf330
Atp5a1
Prpf8
Ppp3ca
Ppp3cb
Hgs
Yars
Madd
Inpp4b
Eef1a1
Eef1a2
Kiaa1045
Ccp110
Dnajb6
Dnajb6
Atp5a1
Fabp3
Vcl
Rnf185
Vim
Znf365
Fbxo41
Ahcyl1
Dock3
Dock3
Psmc2
Gap43
Vps52
Enc1
Hcn2
Exoc8
Ap2b1
Diras2
Diras1
Vps45
Camkv
Arhgap1

Kcnq2

Vim

Rasa1

Rala

Dlg1

Atp2b2;Atp2b1;Atp2b

Ldha

Kit

Tsnax

Hspa4

Rap1a

Homer1

Adcy2

Hspa12a

Camsap2

Zwint

Rps29;Gm10126

Actn1

Gnao1

Gpaa1

Strn

Shisa6

Khdrbs1;Khdrbs2

Sept11;Sept8

Myo5a

Atic

Actr3b

Ptdss1

G3bp2

Ppp2r1a;Ppp2r1b

Hgs

Map2

Atp1a3

Rps17

Rcn2

Ctdsp2

Impdh2

Notch1

Stxbp1

Rab2a

Hspa8

Fkbp5

Prmt8

Myo6

Fkbp1a

Fkbp1a

Aspdh
Gramd4
Ralgapa1
Ap2a1;Ap2a2
Agpat4
Sv2a

Sep-08

Bsg
Gpr155
Ptprt
Ak1
Gjb6
Sept11;Sept6
Sept11;Sept6
Rpl23a
Gm10020;Rpl15
Gm10020;Rpl15
Hnrnpk
Tmem30a
Ptov1
Atp1a1
Syt1
Dlg2
Ilk
Csmd2
Magee1
Dnm1l
Dnm1
Actr3b
Qdpr
Cnp
Dip2b
Dip2b
Gprasp1
Chordc1
Cyb561
Mag
Dgkb
Bmpr2
Arfgef3
Tbcc

Synpo
Dcaf8
Usp43
Bsn
Astn1
Eef1a1
Rap2a

Atp1a2
Gabra3
Usp5
Pex10
Zfyve28
Ank2
Aida
Serbp1
Sptbn1
Tmem130
Aco2
Slc1a2
Snx5
Snx6
Wdr48
Ldhb
Ldha
Psat1
Rpl17
Nme1
Sptbn2
Orai2
Atp1a1;Atp1a2;Atp12
Atp1a1;Atp1a2;Atp12
Bcas3
Add2
Ogt
Stxbp6
Acly
Nefm
Vps36
Gm20425;Srprb
Grin2a
Kif3a
Tnks
Smarcc2
Tmem176b
Cap2
Kiaa1467
Cndp2
Nckap1
Vps41
Rap1a;Rap1b
6430548M08Rik;KiaaC
Prdx2
Slc4a2
Slc4a2
Srpk2
Dld
Sec31a

Kcna2
Phgdh
Kif5b
Nbea
Dlga3
Acsl1
Rps10
Hbb-b2
Itgb1
Dpysl2
Dpysl2
Mt3
Atp1b2
Gpr26
Fxyd7
Rab14
Rab2a;Rab2b
Kcnq2
Eno1
Grin2b
Vdac2
Rnf130
Basp1
Basp1
Ptma
Dmxl2
Slc16a1
Golp3
Mapk9;Mapk8;Mapk1
Tomm70a
Dhx36

Sep-08

Sep-08

Dip2b
Rybp
Tmsb4x
Tmsb4x
Pfkp
Ogt
Rhot1
Atg16l1
Armc1
Cacng8
Apba2
Slc9a3r2
Mical3
Cpne8
Gng12
Gng12
Vsnl1

Hpcal4
Hpcal4
Gja1
Sumo1
Ift81
Ap4m1
Ppp1ca
Mapk3
Brcc3

Ap2a2
Grin2b
Spred1
Hist1h1c
Hist1h1c
Lmnb2
Lanc12
Itpr1
Gdap2
Akap9
Actr2
F11r
Map6
Abca3
Cnnm3
Rtn3
Wdr59
Tmem91
Kcna6
Ptms
Plec

Spry2
Spry2
Anxa5
Ywhab
Nefm
Pa2g4
Rap1gds1
Rap1gds1
Psmc6
Vdac1
Nap1l4
Dync1h1
Ncam1
Ncam1
Slc9a3r1
Rnf149
Appl1
Hnrnpa1

Hist1h1e
Hist1h1e
Hist1h1d
Hist1h1d
Hist1h1b
Hist1h1a
Psmc2
Map1a
Map3k1
Kif5c
Ykt6
Capza2
Pfkfb
Sec14l2
Dscaml1
Eif2s3x;Eif2s3y
Rab10
Shisa7
Atxn3
Ankrd13a
Kcnma1
Usp24
Grm7
Marcks
Fam214a
Cdy12
Kidins220
Caprin1
Vdac2
Grin2a
Hnrnp
Syncrin
Zfp9
Exoc6
Exoc6
Grin2b
Gabbr3;Gabbr1;Gabbr
Huwe1
Hspa8
Hspa8
Soga3
Rpsa
Rpsa
Kif1b
Cstf3
Eef1a2
Ctnnd1
Cdc37
Pin1;Pin1rt1
Ptprd;Ptpr

Slc15a4
Exoc4
Prkcg
Akap5
Eno1;Eno2;Eno3
Cyfip1
Fnbp1
Rab39b
Capn5
Cav1
Pfdn2
Sptbn1
Syncrip
Pafah1b1
Mcam
Ap2m1
Eprs
Cacna1b
Eno1
Rpl30
Camsap3
Daam1
Ank3
Atn1
Ednrb
Map2
Gmps
Map1s
Rnf112
Mink1
Tnik
Kcnd2
Ube2j1
Pacsin1
Smc1a
Uba1
Ndufb6
Ppid
Prkcdbp
Stmn1
Tpp2
Rap1gds1
Ca2;Car2
Ptpmt1
Slc5a6
Cnp
Erh
Spag9
Slc38a2
Slc38a2

Synj1
Oprl1
Gnal
Comm1;Gm28048
Ifnar1
Eno2
Chic2

Scrn1
Zdhhc20
Exoc5
Gosr1
Cnr1
Gcn1l1
Ttc3
Cct4
Slc7a1
Map2
Ifngr1
Psm3
Hk1
Uba1
Tuba4a;Tuba1b
Chic1
Hdac2;Gm10093;Hdac
Hdac2;Gm10093;Hdac
Ehd4
Actr10
Slc39a12
Dnab6
Arhgef2
Dpysl2

Slc12a2
Ppme1
Mycbp2
Ppia;Gm5160
Hsp90ab1
Spag9
Camsap1
Nedd4l
Tkt
Prepl
Mrrf
Trim44
Dlg2
Gjc3
Gjc3
Gpm6a
Fh

Ncam2

Spg20

Gpm6b

Slc16a1

Stmn1

Vim

Gfap

Ina

Lrp4

Rasa3

Aldoa;Aldoart1;Aldoar

Ncl

Hspa8

Ptpro

Abcc4

Gnas

Rap1a;Rap1b

Sec63

Ctage5;Mia2

Tbcb

Dip2b

Ehd3

Eps15l1

Vdac3

Slc32a1

Tomm40

Apoe

Apoe

Mapk8ip3

Gga3

Arpc5

Gcc2

Capzb

Pcdh9

Epn2

Epn2

Kcnj6

Plekhg5

Hnrnpa1

Dhdds

Matr3;Gm28285

Sin3a

Atp6v1h

Psm1

Pabpc1

Crmp1

Mbp

Mbp

Srcin1
Sst
Ldhb
Slc4a4
Mvb12b
Atp6v1c1
Iqsec2
Mybl2
Ddi2
Capzb
Plscr1
Epb41l3
Atp2b1
Atp2b1
Vamp7
Vamp7
Sept11;Sept8;Sept6
Rimbp2
Tpm1;Tpm3
Clip2
Gbf1
Rps20
Ppme1
Dlg4
Kif5c
Ogfod1
Fryl
Elavl3
Atic
Elavl1
Hmbs
Usp33
Dil4
Eef1b;Eef1b2
Gstp1;Gstp2
Letm1
Kcnab1
Trappc10
Tcp1
Arel1
Dock7

Eif1ax;Eif1a;Gm8300;(C
Eps15l1
Ptrf
Pcdh1
Pcdh1
Syn1
Dock7

Kif2a;Kif2b;Kif2c

Vcl

Tbc1d23

Nwd2

Drg2

Pgk1

Mtfr1l

Sptbn4

Snrpd2;Gm5449

Dync1h1

Trim33

Ifngr1

Arhgap32

Pgk1

Dhrs3

Wdr47

Nedd4

Mblac2

Acly

Ppp2r1a

Mink1

Fsip2

Erc2

Kif5c

Psd3

Tnpo2;Tnpo1

Stxbp5l

Golga2

Tmem106b

Tmem106b

Lrrc57

Baiap2

Nedd4l

Srcin1

Prkci

Kif5b

Dnajb6

Lta4h

Slc38a1

Usp38

Fyn

Smarcc2;Smarcc1

Snx6

Pa2g4

Sf3b1

Srcin1

Mpdz

Add1
Hist1h1e;Hist1h1d;His
Hsp90ab1
Hsp90ab1
Fabp3
Omg
Apool
Sdcbp
Map6
Lchn
Acot7
Acot7
Kcnb2
Map2k7
Synpo
Synpo
Synpo
Acly
Efhd2
Skint6
Atl1
Vldlr
Vldlr
Ahcyl1
Epb41l3
Atp2b2
Atp2b1
Ckb
Psm5
Cdc42bpb
Capns1
Ube2o
Cpne8
Cdip1
Stard3
Psm3
Ap2m1
Ap2m1
haemaglobin alpha 2;I
Ocln
Syt4
Sgta
Sgtb
Homer1
Dlgap2
Rasal1
Pcdh1
Prkar1b
Pde1a
Rufy3

Sqstm1
Hspa12a
Ran
Rpl4
Uba3
Map1b
Grin2a
Synj1
Ctnnbip1
Atxn10
Panx2
Grin2a
Nsfl1c
Jam3
Tmem127
Slc12a2
Usp9x

Pcdh1
Pcdh1
Ranbp9
Nup35
Lzts1
Gnao1
Lppr3
Lppr4
Lppr4
Abcc5
Nsfl1c
Srcin1
Paqr9
Adgrl1;Lphn1
Samd8
Uba1
Synpo
Synpo
Kcnt1
Ctnnd2;Pkp4
Slc38a3
Syt5
Syt5
Trim37
Syndig1
Tmem100
Cnksr2
Vcp
Nefm
Kctd3;Shkbp1
Npepps
Map1a

Capzb
Gm6576;Gm5786;Rps
Syt5
Peg3
Atp8a1
Phyhip1
Slc3a2
Stfa3
Nisch
Naa25
Ppp2r5e
Morf4l2
Itch
Mdh1
Ap2m1
Ddx1
Gdap1
Slc12a5
Slc12a5
Slc12a5
Impact
Kcnq3
Sik3
Pitpnm2
Pclo
Trim32
Myo5a
Atp2b2
Ngef
Celf1;Celf2
Ston2
Ncl
Dst
Tmem200a
Syngap1
Usp33
Kcnh7
Ubqln2
Tmem59
Aqp4
Aqp4
Aqp4
Aqp4
Hspa4
Pitpna
Gstm5
Npy1r
Ngly1
Gpm6b
Rps9

Usp33
Rock2
Rock2
Kcnh1
Kcnh1
Ppp2r5e
H2afx
Kpnb1
Rgs7
Snap25
Psmc13
Psat1
Trim32
Myo6
Itm2b
Chchd3
Pdgfra;Pdgfrb
Raly
Huwe1
Mis18a
Pfn1
Nefl
Bai1;Adgrb1
Map1a
Cbx5
Rpl18a
Plekho2
Hnrnpa1
Map1b
Rgs7bp
Dmxl2
Eef1b;Eef1b2
Eef1b;Eef1b2
Synpo
Smad3
Adcy9
Rragc;Rragd
Edrf1
Grin1
Arpc4
Atp1a2
Atp1a1;Atp1a3;Atp1a
Atp1a1;Atp1a3;Atp1a
Gstm5
Gng12
Sbf2
Abhd6
Iqsec2
Grin2a
Kcnh7

Huwe1
Snx6
Ptprd
Atp2b2;Atp2b1
Hip1
Aldh1a1
Syngap1
Tom1l2
Npy
Tcaf1
Crmp1
Abca7
Scn8a
Cnp
Htt
Grm5
Lmtk2
Ssrp1
Kcna1
Adgrl1;Lphn1
Nup155
Sec24b
Pik3c2b
Snph
Zzef1
Robo2
Grin2b
Cand1
Susd5
Dlgap2
Dlgap2
Abce1
Ddx5;Ddx17
Ppa2
Ranbp9
Cul3
Vsnl1
Sphkap
Snx11
Impact
Eef1g
Rtn3
Hnrnph1;Hnrnph2
Sfpq
Morc3
Gdpd1
Ppa1
Ube4b
Mvk
Sbds

Cacna1e

Capzb

Eef2

Sep-05

Picalm

Cyb5r3

Map1b

Whsc1

Dclk1

Bhlhb9

Bhlhb9

Actr2

Pkp4

Eef1a2;Eef1a1

Nudt16l1

Atp5a1

Znf330

Lmnb1

Rabggta

Fam81a

Atp2b2

Atp2b2

B4gat1

Ptms

Ktn1

Pkm

Cgrrf1

Puf60

Arc

Map1b

Psma2

Stxbp1

Stxbp1

Peg3

Bcas1

Kpnb1

Cul7

Bai3;Adgrb3

Clta

Ap1s1

Bai1;Adgrb1

Atp2b2;Atp2b1;Atp2b

Nckap1

Kcnh5

Pi4ka

Psmd4

Psmd4

Usp14

Copg1
Rps13
Anks1b
Aatk
Fbxo7

Khsrp
Ncl
Gabbr1
Dnm1l
Taldo1
Cct6a
Baia2
Nefm
Grm5
Psmc7
Inpp5a
Pgk1
Nars
Adck1
Ubl7
Psmc2
Rmdn3
Uba2
Hprt1
Reep1
Nin
Pgam1
Pgam1
Pgam1
Tomm70a
Hras
Syt5
Wdr1
Psmc7
Prkaa2
Shank1
Dpysl2;Dpysl3
Rab15
Sipa1l1
Tenm4
Dopey2
Gramd4
Scai
Nedd4
Phlda3
Nedd8
Marcks
Elp3
Arfgef3

Ap2b1
Seh1l
Rab2b
Tcerg1
Zfyve9
Cct8
Trappc12
Gk;Gyk
Slc6a11
Atp8a1
Cnp
Slc4a3
Psmc13
Uso1
Slc43a2
Slc43a2
Grin2b
Nsf
Fam171b
Atp13a2
Rab5b
Rab5c
Prkcb
Gprin1
Pik3c2a
Dpysl4
Psmc1
Gsn
Gsn
Rab2a
Akr1a1

Sptan1
Sptan1
Bai1;Adgrb1
Tpi1
Bai3;Adgrb3
Rangap1
Dcun1d1
Ppbb
Glul
Glul
Slc4a4
Rnf128;Rnf148
Alb
Adcy9
Sar1a
Ptprj
Clec16a
Atp8a1

Zer1
Klhl7
Lin7a
Clip3
Cnih2
Cnih3
Brp
Sf3a1
Nefm
Ankrd13a
D630045J12Rik;Kiaa1!
Tom1l2
Prkar1b
Ppp2r1a
Dnajb14
Bsn
Fbxw11
Atp9a
Zzef1
Gnao1
Gnao1
Ap2b1
Ap1b1
Ywhaq
Scn2a1
Scn2a1
Cadps
Snrrnp200
Soga3
Slc8a2
Slc8a1
Slc38a3
Slc38a3
Slc38a3
Slc38a3
Pitpnm2
Tmem63a
Pmm1
Scyl3
Map4
Atp6v1c1
Ascc3
Camsap1
Sgta
Sgta
Ptk2b
Wdfy3
Mfap3l;Mfap3
Actn4
Ptprs
Grm7

Sh3glb1
Smpd2
Ywhaq
Etnk1
Dock4
Bag5
Hnrnpf
Iqch
Rtn3
Hnrnpl
Vamp7
Epb41l3
Ngef
Fabp5
Arhgap44
Cct6a
Rps5
Ppia;Gm5160
Rgs17
Hpcal4;Vsnl1
Adcy9
Cxx1a
Plxnd1
Eif3m
Tmem132b
Nme1;Gm20390;Nme
Ap2m1
Scn1a;Scn5a;Scn2a1;S
Adss
Myo6
Unc13b;Unc13a
Epb41l3
Npcd;Cbxb
Kidins220
Cmip
Skp1
Gabra1;Gabra2
4933430l17Rik
Chrm1
Chst1
Arcn1
Sptbn1;Sptbn4;Sptbn2
Gpi
Gpi
Gnb2
Pfn1
Nedd4l
Kif5c;Kif5a;Kif5b
Nle1
Gsn

Osbpl1a
Faf1
Rab14
Usp9x
Usp9x
Nedd4
Csde1
Nbr1
Osbpl1a
Atp6v1a
Fubp1
Pkm
Ackr3
Kcna3
Pgk1
Eprs
Thop1
Pnmal2
Stxbp5l
Ubr4
Atp9a;Atp9b
Map2
Atp2c1
Dennd5a
Dennd5b
Dctn2
Rab6b
Osbpl10
Slc30a1
Psmal1
Map1b
Rtn1
Abi1
Prdx5

Sep-03

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Sep-07

Eprs
Ppm1l
Rpl6;Gm5428
Gm20441;Ddt
Slc19a3
Ptprf
Ptprf
Kif5c;Kif5a
Scap
Eno1
Bloc1s1
Sars
Opalin

Tpm3
Tpm3;Tpm3-rs7
Kif5a
Lrrc57
Ppm1h
Rab1A;Rab1;Rab1b
Usp25
Dclk1
Tuba1b;Tuba1a;Tuba3
Tuba4a
Vps11
Dnm1;Dnm3;Dnm2
Tln2
Rab11b;Rab11a
Prkcb
Mtmr1
Cnrip1
Gnb2l1
Map1b
Map1b
Cops7a
Ccar1
Tom1
Rpl9
Gng13
Aldoc
Tuba1a;Tuba3a;Tuba8
Npepps
Dpysl2
Dpysl2
Slc8a1
Dmxl2
Apc2
Gprasp1
Nap1l4
Ubc;Ubb;Gm8797;Uba
Ubc;Ubb;Gm8797;Uba
Ubc;Ubb;Gm8797;Uba
Pip4k2a
Kif1a
Dnaja1
Acvr1b
Dclk1
Dnm1;Dnm3
Dnm1;Dnm3
Erc2;Erc1
Ptprs
Ptprs
Samm50
Samm50

Trove2
Ank1
Srsf1
Mkl2
Spg20
Fyn
Stx1a
Stx1a
Ubl3
Al314180;Ecm29
Snca;Sncb
Snca
Grin2b
Sncb
Atpif1
Snca
Hsp90aa1
Map1lc3b
Map1lc3a
Ngef
Ddb1
Agpat3
Tcaf1
Kcnq2
2410002F23Rik
2410002F23Rik
Slc7a14
Stx1b
Stx1b
Aars
Klc1
Sidt2
Ankrd13a
Pfn2
Ndfip1
Ndfip1
Ndfip1
Gprasp1
Plcb1
Sarm1
Sptbn1
Sptbn2
Nisch
Cldn10
Stmn4
Stmn4
Uchl5
Pspc1
Nono
Ndufb5

Bmpr1a
Anks1b
Kcna4
Kcna2
Kcna2
Dmnl2
Kpnb1
Eftud2
Atp2b4
Cacna1a
Ttc37
Astn1
Esam
Mfap3l;Mfap3
Gnaq
Gnaq
Gna11
Gga3
Tocr
Tocr
Ncl
Kit
Map2
Gpr158
Haghl
Mturn
Dst
Hnrnp
Crem;Creb1
Gphn
Tspan14
Cops7b
Uba3
Pafah1b1
Tubb3
Tubb4b;Tubb5;Tubb2a
Tubb4b;Tubb5;Tubb2a
Tubb6
Gda
Vcp
Ncl
Atp8a2
Vim
Abcg4
Wdr11
Ralgapa1
Usp24
Tmem63c
Hspd1
Csnk1a1

Syt1
Api5
Celf2
Celf2
Trpv2
Esam
Cltc
Rad23b
Rad23a
Slc8a2
Slc8a2
Fam49b
Ubc;Ubb;Gm8797;Uba
Ubc;Ubb;Gm8797;Uba
Ptdss1
Acvr1b
Stat3
Nedd8
Nedd8
Ubc;Ubb;Gm8797;Uba
Ubc;Ubb;Gm8797;Uba
Ubc;Ubb;Gm8797;Uba
Bag5
Rock2
Atp8a1
Atp8a1
Tmem135
Hsp90aa1
Slc6a1
Irgm1
Cacna1b
Cacna1b
Celf1
Apip
Apip
Maob
Ywhab
Ywhab
Ywhab
Tpm2
Dopey2
Syt1
Syt1
Skp1;Skp1a
Skp1;Skp1a
Cyfip2;Cyfip1
Hprt1
Hprt1
Strip1;Strip2
Elavl3

Elavl1
Elavl4;Elavl2
Herc1
Sod1
Babam1
Alb
Atp11c
Ina
Anxa6
Anxa6
Acot7
Atp6v0a1
Kif5a;Kif5b
Efr3b
Appl1
Dgkb
Rufy3
Rpl18
Prkar1a
Llg1
Glyr1
Syn2
Pld3
Map1b
Map1b
Iqgap2
Ano6

Mar-01

Map1b
Dmtn
Clip3
Ubqln1
Ubqln1
Ubqln2
Shisa7
Shisa7
Sv2c
Sv2b
Sv2b
Sema4d
Herc2
Atp2a2;Atp2a1
Vat1l
Hsph1
Scamp1
Syt11
Syt11
Kri1
Cspg5
Nisch

Nisch
Crim1
Klhl11
Slc4a4
Psmc2
Dpysl5
Vps13b
Hip1r
Homer1
Epb41l3
Mbp
Atp2b4
Trappc8
Cul5
Cul5
Cul5
Stmn3
Gfod1
Nefl
Faim2
Faim2
Faim2
Arpc1a
Myh10;Myh9;Myh11

Slc24a2
Rps3
Cab39
Pclo
Gas7
Slc1a2
Mia3
Hip1
Daam1
Ywhag
Bpnt1
Dlgap4
Ctnna2
Otud5
Otud5
Epb41l3
Atp9a
Ntmt1
Nckap1
Nckap1
Tmem179
Gars
Morf4l1
Hist1h1e
Sncb

Atp5a1
Eif3b
Syn2
Dnm1l
Rabgap1
Ina
Csnk1a1
Rab5a
Serinc1
Dpysl2
Atp2b4
Atp1a1;Atp1a2;Atp12.
Atp2b3
Atp2b2
Nup93
Plcb1
Dctn1
Rasgrp2
Camk2g
Kcnj10
Kcnj10
Spin1
Cyp46a1
Slc1a2
Ap2a1
Syn1
Adcy9
Chrm3
Zmat4
Map2
Axl
Plcb1
Pde8b
Hars
Epb4.1l2;Epb41l2
Scamp1
Scamp1
Rps24
Gnai1;Gnai2
Gnao1
Mbp
Nsf
Plp1
Plp1
Tceb2

Raly
Slc9a6
Ap2m1
Dnaja2

Wrnip1
Zdhhc8;Zdhhc5
Pacsin1
Hspb11
Epn2
Fgfr2
Stx1b
Stx1b
Slc1a4
Nedd4
Fabp5
Hk1
Slco2b1
Dcps
Slc4a8
Hnrnpul1
Hnrnpu;Gm28062
Gabbr2
Pom121
Hk1
Calb1
Gapdh;Gm3839;Gm15
Stip1
Nras
Kras
Ube4b
Pepd
Pepd
Snca
Zdhhc5
Rab35;Rab30
Dync1h1
Ppp2r5d
Herc2
Vps33a
Mgea5
Fam131b
Psmc1

Atp6v1a
Pitpna
Pitpna
Smim18
Dlg2
H2afy
H2afy
Scn1a
Epb4.1l2;Epb41l2
Caprin1
Eea1

Pld2
Amd1;Amd2
Ncam1
Ncam1
Pabpc1
Ubr4

Scamp1

Sep-07

Myo5a;Myo5b
Slc20a1
Npm1
Diras2
Pip4k2b
Hist1h4a
Scai
Tpm1
Dpysl2
Tbc1d24
Arhgap26
Slc6a11
Ryr2
Ddah2
Abca3
Abca3
Nisch
Rpl27
Atp9b
Atp9a
Spint2
Obox6
Cops5
Sec61a2;Sec61a1
Mdh1
Prkaca;Prkacb
Rab5b
Erh
Syn1
Syn3
haemaglobin alpha 2;I
Bin1
Itpka;Itpkb
Sptan1
Myo5a;Myo5b;Myo5c
Lmna
Rab3c
Rab3a
Rab3a
Gm6576;Gm5786;Rps
Usp34

Usp34
Dbi
Kpnb1
Rnf141
Myo1d
Cltc
Ptrh2
Psmb2
Pdxk
haemaglobin alpha 2
Gmps
Slc6a1
Slc6a1
Slc6a1
Slc6a1
Gabrb3;Gabrb1;Gabrb
Eif3d
Slc3a2
Psmc1
Glod4
Atp1a2
Atp1a3
Snx5
Rnf141
Dcaf8
Abhd17a;Abhd17b
Shisa7
Sumo2;Sumo3
Tmem63c
Kbp
Plxnc1
Rae1
Vcp
Prps1l3;Prps1
Kif1a
Kif1a
Kif1b
Gria2
Gria2
Abr
Axl
Axl
Ank2
Med14
Ppp6r1
Prepl
Actb;Actg1
Gmppa
Impdh2
Macf1

Cltb
Cyp7b1
Hnrnpab
Gja1
Gja1
Smarcc1
Smarcc2
Rab6b
Rab6b
Rab6b
Snx32
Rtcb
Elfn2
Atl1
Rpl7
Ube2z
Eef2
Bub3
Insr
Wdr82
Ptpn23
Wdr47
Huwe1
Wdfy1
Hgs
Alb
Rnf24
Tmem55a
Tmem55b
Ube2o
Nwd2
Uchl1
Sec14l1
Dctn1
Dusp12
Hat1
Rps27a
Rpl10a
Eri3
Pgk1;Pgk2
Pgk1;Pgk2
Prep
Cul1
Rapgef2;Rapgef6
Capza2
Rpl6;Gm5428
Aldoc
Aldoa;Aldoart1
Ap2b1;Ap1b1
Ap2b1;Ap1b1

Cltc
Sptbn1
Rufy3
Tppp
Eftud1
Pip4k2b
Cct2
Syn1
haemaglobin alpha 2;
Slc12a5
Lancl2
Lancl2
Cct8
Ywhag
Hnrnpc
Cstb
Ppp3cb
Usp5
Usp5
Usp5
Rbmx;Rbmxl1
Slc1a4
Npm1
Gnb5
Snph;Sybu
Ube2v2
Atp1b1
Msi2
Nefm
Nefm
Tspan15
Wdr48
Osbp
Pygb
Cbx3
Tgfbra1
Tpd52
Sh3glb2
Adcy2
Far1
Ppm1b
Ube4b
Nedd8
Neurl4
Fmnl2
Fmnl2
Rab3gap1
Hgs
Idh1
Kirrel3

Cytip1;Cytip2
Psmc1
Atxn7
Hspa4
Rpl24
Lmnb2
Map2
Epm2aip1
Impdh1
Asxl2
Trim37
Ptpmj
Cap1
Lrrc7
Haghl
Psmc2
Psmc2
Hspa4l
Stxbp1
Rtcb
Prl2a1
Gm9493;Rps7
Eef1a1
Mib1
Nsf
Nsf
Smarc2
Srcin1
Dnajb6
Cirh1a
Set
Lars
Eif3c
Calm1
Ube3b
Ap2m1
Htr5a
Abca3;Abca15;Abca14
Hcn3
Celf1;Celf2
Myef2
Kcnh1
Pip4k2c
Psd
Syt1;Syt2
Me1
Cfl1;Cfl2
Atp6v1b2
Abca3
Abca3

Prpsap1
Rnf123
Fbxl2
Sv2a
Sec23a
Sv2c
Sv2b
Yars
Herc1
Sfn;Ywhaz;Ywhaq;Ywl
Fam213b
Urod
Prdx5
Rpl12;Gm16519
Cask
Sec14l2
Ina
Myef2
Hnrnp
Saal1
Tuba4a;Tuba1b;Tuba1
Urod
Smyd3
Abca3
Ago2
Atp5a1
Ank3
Cmas
Ilf3
Actr2
Got1
Snph
Psm2
Adcy9
Ppp1r12a
Atp6v1a
Acsbg1
Map2
Dctn2
Eps15
Adcy3
Txnl1
Zfr
Nefl
Peg3
Pkp4
Adcy9
Adcy9
Adcy9
Adcy3

Grm3
Uba2
Phpt1
Hbb-b1
Hbb-b2
Eif5a;Eif5a2
Sars
Clip3
Dlg4
Tpi1
Lars
Gmps
Gdi2
Cbx6
Ank3
Slc39a3
Atp11a
Gdi2
Hdac5
Mapk8;Mapk10
Mapk9
Wbp2

Mar-01

Mib2
Slc25a46
Sumo1
Gapdh;Gm3839
Atxn10
Ctnna2
Matr3
Rps17
Gapdh;Gm3839
Dpp3
Hsp90aa1;Hsp90ab1
Cadps
Lmnb1
Atp2a2
Dnah7a
Atp1a1;Atp1a2;Atp12
Atp1a1;Atp1a2;Atp12
Hdac11
Vcp
Vcp
Gapdh;Gm3839
Gapdh;Gm3839
Dnm1l
Cltc
Fxr2;Fxr1
Rnf14
Rnf14

Syngap1
Rock2
Tbc1d9b
Tbc1d9
Skp1
Herc2
Dpysl4
Kif1a
Kif1a
Kif1b
Tomm70a
Ckb
Ckb
Hspa4
Ywhaq
Ywhaq
Ywhab
Ywhah
Ywhah
Ywhah
Ywhag
Ywhag
Ptprz1
Hbb-b1;Hbbt1;Hbb-bs
Hbb-b1;Hbbt1
Hbb-b2
Snd1
Ndufa10
Kif3a
Zer1
Mdh1
Dph3

Mar-08

Ctnna2
Sptb
Psmc3
Napb
Snx2
Lmnb2
Kras
Rap1a
Rala
Rala
Ppp2r1a
Ppia
Hsph1
Stxbp1
Syngap1
Nisch
Slc6a11

Slc6a11
Slc6a11
Srpk2
Itm2a
Itm2c
Itm2c
Itm2c
Pfdn1
Dusp1
Cadps;Cadps2
Nsg1
Slc25a5;Slc25a4
Ube2z
Rab35;Rab43;Rab26;R
Napa
Ilf2
Ilf2
Ccsap
Tpt1
Rnf141
Rnf141

Osbp13
Abcb1a;Abcb1b;Abcb4
Fam114a2
Erc2
Fabp3
Eefsec
Atp9a
Ola1
Cacybp
Atic
Hspa4
Gnao1;Gnai1;Gnai2;G
Scd1
Syn1
Gapdh;Gm3839
Nedd4
Gng5
Gng4
Itm2b
Itm2b
Itm2b
Nedd4l
Prkce
Traf3ip1
Gnas
Camk2a
Uchl1
Nap1l5

Kiaa0195;2310067B1C

Myo5a

Rpl6;Gm5428

Dgkd

Huwe1

Nsf

Ykt6

Rpl13a

Atxn10

Psmc13

Cnksr2

Atp5b

Gars

Ca2

Epha6

Kif2a

Pacsin1

Hmgcr

Zwint

Snx4

Actr2

Nup93

Tnk2

Dagla

Msn

Rdx

Rpl11;Gm10036;Gm5C

Capn5

Atp1a2

Usp9x;Usp9y

Btbd1;Btbd2

Mtor

Palm

Glo1

Hdgfrp2

Rbm39

Gdi2

Elmo2

Wdr48

Nova2;Nova1

Khdrbs3

Khdrbs1;Khdrbs2

Wrnip1

Capn5

Slc6a15

Eaf2

Synj1

Sdcbp

Atp6v1h

Ap2s1
Hist1h2bc;Hist1h2bh;l
Fam126b
Clip3
Xpot
2410002F23Rik
Dync1h1
Mef2d;Mef2a;Mef2c
Arih1
Syn1
Vat1
Syn2
Ap2b1
Grin1
Atox1
Psm4
Pgk1
Pgk1
Gbf1
Dusp15
Phb
Ctif
Atp6v0a1
Mapre3
Rps19
Hspe1
Nudt4;Nudt11;Nudt10
Cyp46a1
Bsg
Prmt2
Fkbp4
Usp14
Aamd
Otub2
Mtch2
Lppr4
haemaglobin alpha 2;1
Set
Nup155
Adcy9
Adcy9
G3bp2
Myo5a
Mprp
Got1
Wsb2
Fdps
Arpc5l
Eif3j1;Eif3j2
Gnas

Rpl35
Fibp
Clip2
Rab33a
Ank2
Ank2
Brcc3
Bcl7b;Bcl7a
Rasgef1a
Pafah1b1
Vamp7
Vamp7
Klhl3
Klhl3
Actr3

Nme1;Gm20390;Nme
Nme1;Gm20390;Nme
St13
Psmc1;Gm21972
Dync1h1
Nap1l1
Shisa9
Dlg1
Hgs
Sptan1
Tpp2
Dlg2
Dync1h1
Vdac1
Cltc

Sep-05

Prdx5
Pkm
Pnmal1
Dcaf7
Eps15
Vdac1
Aldoa
Neurl4
Kcnh7
Fam213a
Dars
Vamp1;Vamp2;Vamp3
Atp8a1
Eno1
Eno1
Zmpste24
Ahcy
Psmc2

Pdcd6ip
Kcnab3
Kif5a
Usp9x
Srgap3
Snrrnp200
Alad
Vars
Nudt16l1
Uba3
Cend1
Astn1
Map1a
Csde1
Arhgap39
Cap1
Gnpda1
Gnpda1
Lppr3
Ube2r2
Pld3
Pld3
Dnm1l
Rap2a
Gabarap;Gabarapl1
Mbp
Maea
Syt1
Prickle1
Ykt6
Exoc8
Fam175b
4933434E20Rik
Wdr7
Lhfp12
Actn4;Actn1;Actn3;Ac
Arf5
Mertk
Bag4
Mat2b
Ngly1
Dhdds
Mapt
Mfn2
Arhgap26
Snrpe
Plcb4
Unc13b;Unc13a
Cenpf
Unc13a

Lrsam1
Spry2
Tax1bp1
Cops3
Aup1
Mapt
Trip11
Slc1a3
Chmp1a
Fyttd1
Dctn3
Syt5
Hspa8
Dgke
Syt1
Syt2
Ube2o
Arih1
Snx6
Polr2b
Lmtk2
Adora1
Matk
Map2
Birc6
Gprin3
Tln1
Pacsin1
Hnrnpu;Gm28062
Pdcd5
Ppia;Gm12728
Ppia
Psmc5
Gabarapl2
Vdac2
Prkar1a
Prkar1b
Gng2
Gng2
Gng2
Gng3
Gng3
Scn3b
Gng12
Gng12
Gng7
Gng7
Kif1a;Kif1c;Kif1b
Arhgef17
Elmod1

Dync1h1
Kif5c;Kif5a;Kif5b
Golga7
Dnajb5
Hmgcr
Klhl9
Vps26b
Fam120c
Laptm4a
Laptm4a
Ncam2
Pclo
Tmem86a
Sae1
Kidins220
Adam19
Psip1
Ppp2r1a
Add3
Hspa8
Hspa8
Psmc1
Tnik
Dip2b
Itch
Abi2
Gps1
Srsf5
Scn2a1;Scn4a;Scn3a;S
Stat3
Stat3
Scn1a
Phgdh
Rnf14
Sptbn2
Methig1;Mettl7a1;Ubi
Gm11492
Faf2
Wdr35
Hnrnp
Itm2b
Itm2b
Itm2b
Itm2b
Dysf
Dysf
Map2
Smarcc2
Cops7a
Dnm1;Dnm2

Psmc3
Drp2
Hist1h2ah;Hist1h2af;+
Hist1h2ah;Hist1h2af;+
Pabpn1;Gm20521;Pat
Ank2
Slc1a2
Slc1a2
Htt
Epb4.1l1;Epb41l1
Epb41l3
Epb4.1l2;Epb41l2
Npepps
Ptbp2
Nedd4
Synpo
Snx18
Wasf3
Nos1
Tmem194;Tmem194a
Kcnh6;Kcnh2
Kcnh7
Ubf1
Hsp90aa1
Uba2
Slc24a2
Rasgrf1
Ssb
Ran
Hbb-b1;Hbb-b2
Nbea
Pabpc1
Dgki
Rhot2;Gm20683
Atp5a1
Canx
Cul2
Atp5b
Ntmt1
Farsa
Prdx6
Tjp1
Kif3b
Csf1r
Gdi1
Rab35
Ank2
Kiaa1109
Tpi1
Pld1

Pgd
Rap1a;Rap1b
Gdi1
Cisd1
AI413582
Sec24b
Ppp2r2a
Tmem185b
Ppp3ca
Cand1
Gapdh;Gm3839
Tpi1
Rab11b;Rab11a
Hnrnpk
Osbpl10;Osbpl11
Plxna2
Inpp5a
Mios
Nsf
Rpl7a
Kctd3
Hgs
Abcb1a;Abcb1b;Abcb4
Gga3
Gga1
Ywhaz
Ywhaz
Ywhaz
Psmc6
Oxr1
Ank3
Ank2
Nova2
Mpi
Hsp90ab1
Srsf1
U2af2
Dpysl5
Cnrip1
Acsbg1
Kifc2
Fry
Rbfox1
Srr
Fam21
Cyb5a
Psmc3
Glud1
Uchl1
Txnip

Cox6b1
Rtn3
Al314180;Ecm29
Fads2
Atp8a2
Mia3
Synpo
Nup188
Wdr1
Tbc1d13
Srsf3
Srsf7
Itch
Ylpm1
Ddi2
Nsf
Arih1
Kalrn
Ctnna2;Ctnna1
Atic
Fads2
Atp6v1a
Arih2
Stxbp1
Cmip
Slc39a10
Napepld
Ngly1
Gapdh;Gm3839
Mib1
Gstm5
Dnajb6;Dnajb7
Rhog
Gng13
Gng13
Sptan1
Lemd3
Cbx3
Cbx5
Tomm70a
Tmem9;Tmem9b
Vps13a
Ap2a1
Ap2a2
Ubt1;Ubt2
Tbc1d10a
Tbc1d10a
Tbc1d10a
Prmt5
Taldo1

Cltc
Snrpc
Cnp
Myef2
Dync1h1
Dync1h1
Ube2v1;Gm20431
Hnrnpm
Cmas
Chrm4
Prpf8
D6Wsu163e
Il1rap
Rhoa;Rhoc
Stxbp1
Stxbp1
Tmem132a
Adam22
Usp5
Slc24a2
Ngly1
Cdc42
Rhob
Rab15
Jph3
Ttc7b
Usp9x
Ap2s1
Gm996
Rab3a;Rab3d
Pgam1
Atp6v1b2
Nefm
Rps4x;Gm15013
Dstn
Cfl1;Cfl2
Magohb;Magoh
Tmpos
Rab1A;Rab1;Rab1b
Aldoa;Aldoc
Shisa9
Atp5o
Nap1l1
Gja1
Cops5
Atp2c1
Ywhab
Ywhag
Ywhag
Ywhaz

Ywhah
Ywhaq
Apip
Aip
Gnai2
Pvrl1
Cdh2
Eef1a2

Mar-01

Grb2
Spin1
Uba1
Metap2
Ppap2b
Ppap2b
Ocln
Synj1
Camkv
Gapdh;Gm15294
Slc39a6
Abcc8
Sema5a
Pcdh7
Svop
Svop
Psm6
Sptan1
Pfkfb
Gpm6a
Gpm6a
Gpm6a
Mkl2
Eef1a1
Csfr
Wrapp73
Vps26a
Psd3
Hmgb1;Hmgb2
Zdhhc20
Mkl1
Pacsin1
Ackr3
Anxa6
Atp1a1
Kcnj2
Ypel4
Gna11
Hsp90aa1;Hsp90ab1
Hsp90ab1
Cyfip1;Cyfip2

Usp48
Arih1
Eef2
Hbb-b1;Hbbt1;Hbb-bs
Hbb-b2
Hbb-b2
Arpp19;Ensa
Ubr2
Coro1c
Map2
Rdh14
Tmx2
Etnk1
Adcyap1r1
Adcyap1r1
Snph;Sybu
Elfn2
Dhrs7b
Ube2j1
Bmpr2
Msn
Oxct1
Atp2b1;Atp2b4
Atp2b1;Atp2b4
Atp2b2
Atp2b3
Kcnj10
Kcnj10
Kcnj10
Rdx
Syt12
Sfpq
Crmp1
Nono
Eno1
Eno2
Dnajb6
Gm6793;Gm9242;Hnr
Gdi2;Gdi1
Tomm70a
Abcf2
Rab3a
Rab3a
lpo7
Rnf122
Cnp

Asns
Hnrnpd
Dnajc5

Dnajc5
Hnrnpdl
Hdac2
Gdi2
Gdi2
Oprm1;Oprd1;Oprk1
Rtn1
Cuedc2
Hsp90aa1;Hsp90ab1
Slc17a7
Slc17a7
Slc17a7
Slc17a6
Myo5a
Cltc
Hnrnpf
Hnrnpf
Cd82
Psmc2
Nae1
Herc2
Cltc
Golga7
GOLGA7B
Nudt21
Pum1;Pum2
Hip1r
Nefm
Cry2
Tpm3
Tpm3
Ccdc50
Smarca5;Smarca1
Ap2m1
Trim32
Sqstm1
Plxna1
Acsbg1
Astn1
Dync1h1
Herc1
Rps3
Ankib1
Syt7
Slc25a4
Hcn1;Hcn2;Hcn4;Hcn3
Lppr4
Rtn3
Bpgm
Tmx2

Hgs
Vdac2
Fscn1
Vangl2
Eef2
Ywhaz
Ywhaz
Ywhah
Ywhag
Fscn1
Lancl1
Gdi1
Cpt1a
Dmd
Usp14
Slc25a12
Cul2
Ywhaq
Ywhab
Rictor
Kif1b
Rpl17;Gm6133
Lancl2
Nefl
Fscn1
Map6
Atp1a3
Srcin1
Srcin1
Snap91
Picalm
Ppm1g
Ptk2b
Cplx1;Cplx2
Cyp51a1
Acot7
Syt12
Baiap2
Tmem63b
Synpr
Synpr
Ywhab
Cdc16
Eif4a1
Usp25
Trpv2
Pank1
Acaca
Psmc2
Acvr1b

Cacna1b
Pak1
Cnksr2
Ppp2r1a
Ppp2r1a
Ppp2r1a
Pde1b
Ddb1
Spag9
Tmx2
Usp25
Nap1l5
Ap2b1;Ap1b1
Hsph1
Dynll1
Dynll2
Atp6v1h
Hnrnpu;Gm28062
Hdac11
Cops3
Atp1b1
Tpp2
Fam213b
Atp1a3
Rnf157
Nrd1
Unc80
Bai1;Adgrb1
Atp1a2
Acta1;Actc1
Acta1;Actc1
Atp6v1c1
Gars
Gars
Klhl11
Pcdh1
Map1a
Tcp1
Rpl13a
Klc2
Stmn4
Caprin1
Hcn1
H3f3a;Hist1h3b;Hist1h
Atp1a1
Slc7a14
Map2
Pik3r1
Ddx39a;Ddx39b
Wdr47

St13
Atp1a2
Vdac1
Stxbp1
Napb;Napa
Snx12
Baiap2
Bai3;Adgrb3;Adgrb2;B
H1f0
Csnk2a1
Ythdf1;Ythdf3
Ttc7b
Rpl17
Pelo
Adk

Mar-05

Cyfp2
Pex5
Dlg2
Dlg1
Dlg4
Dlg4
Stxbp1
Hgs
Rpl27
Snx10
L1cam
Ubr3
Cops2
Rtn1
Nploc4
Zwint
Rgs6;Rgs7
lap
Mios
Slc7a2
Lin7a
Lin7c
Gne
Alb
Map2
Map2
Selo
Rplp2
Sstr1
Usp5
Morf4l1
Cdc42
Pip4k2a
Dzank1

Zfr
Syt2
Syt5
Syt1
Atp9a
Slco1c1
Pfn2
Pebp1
Cul7
Map1a
Mgl
Ubash3b
Plxnd1
Slc8a2
Unc93b1
Yif1b
Begain
Cul3
Slc29a2
Pura
Psmc13
Hsp90aa1

Protein Names	Charges
26S proteasome non-ATPase regulatory subunit 4	4
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2	3;4
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2	3;4
Septin-6	3
Mitochondrial import receptor subunit TOM70	3
Brain-specific angiogenesis inhibitor 2	3
Cullin-associated NEDD8-dissociated protein 1	2
Cyclin-D1-binding protein 1	2;3
Ephrin-B1	3
E3 ubiquitin-protein ligase RBX1;E3 ubiquitin-protein ligase RBX1, N-terminally processed	2
Septin-11	3;4
Small glutamine-rich tetratricopeptide repeat-containing protein beta	2;3;4
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform;Ser	2;3
MARCKS-related protein	3
Staphylococcal nuclease domain-containing protein 1	3
Small glutamine-rich tetratricopeptide repeat-containing protein alpha	2;3
Major facilitator superfamily domain-containing protein 6	3
Vacuolar protein sorting-associated protein 52 homolog	2;3
Protein phosphatase 1B	3
Metal transporter CNNM1	3
	3
	2
WW domain-binding protein 2	4
Rabankyrin-5	2
	3
Acyl-protein thioesterase 2	4
Cannabinoid receptor 1	3
Neural cell adhesion molecule 1	4
Neural cell adhesion molecule 1	3;4
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3
Neurabin-2	3
	2
Syntaxin-binding protein 1	2;3;4
S-adenosylmethionine synthase isoform type-2	3
Alcohol dehydrogenase [NADP(+)]	3
Nuclear transport factor 2	3
Putative oxidoreductase GLYR1	4
Multidrug resistance protein 1A;Multidrug resistance protein 1B	4
ATP-binding cassette sub-family E member 1	2;3
Prohibitin	2
Solute carrier family 13 member 3	2
SEC23-interacting protein	2;3
Dihydropyrimidinase-related protein 3	4
Dihydropyrimidinase-related protein 1	4;5
Dihydropyrimidinase-related protein 1	3;4;5
E3 ubiquitin-protein ligase TRIM23	2
Beta-soluble NSF attachment protein	3;4
CUGBP Elav-like family member 2	5
CUGBP Elav-like family member 2	4

Complexin-2	3
MAGUK p55 subfamily member 2	3
Gelsolin	3
Solute carrier family 40 member 1	2
Delta-aminolevulinic acid dehydratase	2;3
Synaptotagmin-4	3;4
	2;3
	3;4
Tetratricopeptide repeat protein 39B	3
PH and SEC7 domain-containing protein 1	2
Heat shock 70 kDa protein 12B	3
Ras-related protein Ral-A	4
FUN14 domain-containing protein 2	2;3
FUN14 domain-containing protein 2	3
FUN14 domain-containing protein 2	3
Sorbitol dehydrogenase	3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	2;3
Gamma-soluble NSF attachment protein	3
Hexokinase-1;Hexokinase	2;3
Hexokinase-1;Hexokinase	3
Prohibitin-2	2
Neuromodulin	3;4
Aquaporin-4	2;3
Aquaporin-4	3
Transaldolase	3
Vesicle transport through interaction with t-SNAREs homolog 1B	2;3;4
Serine/threonine-protein kinase PINK1, mitochondrial	3
Core histone macro-H2A.1	3
Alpha-enolase	2;3
Carbonic anhydrase 2	3
Synaptopodin	3
Proline-rich transmembrane protein 2	2
Prefoldin subunit 1	2
Proteasome assembly chaperone 1	2
Actin-related protein 2/3 complex subunit 1A	2
Glutamate decarboxylase 2	4
Neuromodulin	2;3
DCN1-like protein;DCN1-like protein 1	3
Ubiquitin-conjugating enzyme E2 variant 1	2
Neural cell adhesion molecule 1	3
Tetratricopeptide repeat protein 9B	2;3
Ubiquitin-like modifier-activating enzyme 1	3
Rho guanine nucleotide exchange factor 2	3
Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform;Serine/threonine	2;3
Pre-mRNA-processing-splicing factor 8	3
Catenin beta-1	3
F-box/WD repeat-containing protein 11;F-box/WD repeat-containing protein 1A	3
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	2;3
Phosphoglycerate kinase 1;Phosphoglycerate kinase	3
UbiA prenyltransferase domain-containing protein 1	3

Hemoglobin subunit beta-1	2;3	
Heterogeneous nuclear ribonucleoprotein A0		3
Alpha-adducin		4
Hemoglobin subunit alpha	2;3	
		4
Phosphoglycerate mutase 1	2;3	
26S protease regulatory subunit 6A	2;3	
Sjogren syndrome/scleroderma autoantigen 1 homolog	2;3	
Epsin-2		4
Heme-binding protein 1	3;4	
		3
Hepatocyte growth factor-regulated tyrosine kinase substrate		3
Beta-arrestin-1		3
Voltage-dependent N-type calcium channel subunit alpha-1B;Voltage-dependent R-type		2
Exportin-1		3
RNA-binding protein 24;RNA-binding protein 38		2
IQ motif and SEC7 domain-containing protein 1	2;3	
Gamma-enolase;Enolase		3
N-acylneuraminate cytidyltransferase		3
14-3-3 protein beta/alpha;14-3-3 protein beta/alpha, N-terminally processed	3;4	
14-3-3 protein zeta/delta	3;4	
Ankyrin repeat and IBR domain-containing protein 1		3
Sodium/potassium-transporting ATPase subunit alpha-3	3;4;5	
Sodium/potassium-transporting ATPase subunit alpha-1	2;3	
Sodium/potassium-transporting ATPase subunit alpha-1	3;4	
Sodium/potassium-transporting ATPase subunit alpha-2	3;4	
Sodium/potassium-transporting ATPase subunit alpha-2	3;4	
Alpha-centractin		3
Solute carrier family 13 member 3		3
Vesicle-associated membrane protein 1	2;3;4	
Vesicle-associated membrane protein 1	3;4	
Vesicle-associated membrane protein 2;Vesicle-associated membrane protein 3	2;3;4	
Vesicle-associated membrane protein 2;Vesicle-associated membrane protein 3	2;3;4	
Vesicle-associated membrane protein 2;Vesicle-associated membrane protein 3	3;4	
Ankyrin repeat and IBR domain-containing protein 1		3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	3;4	
Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1		3
Histidine triad nucleotide-binding protein 1	2;3	
Beta-adducin		3
U5 small nuclear ribonucleoprotein 200 kDa helicase		3
Caveolin;Caveolin-1	2;3	
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3	
40S ribosomal protein S21		2
40S ribosomal protein S8		3
26S protease regulatory subunit 10B		3
Microtubule-associated protein 6	3;4	
Serine/threonine-protein phosphatase PP1-gamma catalytic subunit	2;3	
V-type proton ATPase 116 kDa subunit a isoform 2	3;4	
Integral membrane protein 2C;CT-BRI3	2;3;4	
Integral membrane protein 2C;CT-BRI3	3;4	

Integral membrane protein 2C;CT-BRI3	3;4	
Aly/REF export factor 2;THO complex subunit 4		3
Mitochondrial glutamate carrier 1		2
Oxidation resistance protein 1		4
		4
Krueppel-like factor 13		4
RING finger protein 141	3;4	
Heat shock protein HSP 90-alpha;Heat shock protein HSP 90-beta	2;3	
Dual specificity mitogen-activated protein kinase kinase 1	2;3;4	
Sorbin and SH3 domain-containing protein 2		3
Microtubule-associated protein 4		3
Protein IMPACT		4
Protein EFR3 homolog A	2;3	
Neuralized-like protein 4		3
Kinesin heavy chain isoform 5C		2
Cell cycle exit and neuronal differentiation protein 1		4
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	3;4	
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	3;4	
Microtubule-associated protein 2	2;3	
		3
Ras-related protein Ral-A	2;3	
E3 SUMO-protein ligase PIAS1		2
Ephrin type-B receptor 2	3;4	
Centrosome and spindle pole associated protein 1		2
m7GpppX diphosphatase		2
Mitotic spindle assembly checkpoint protein MAD1		3
Septin-7	2;3	
TRPM8 channel-associated factor 1		3
Cullin-associated NEDD8-dissociated protein 1	3;4	
Eukaryotic translation initiation factor 1A, X-chromosomal;Eukaryotic translation initiatio		3
Coiled-coil domain-containing protein 50		2
Redox-regulatory protein FAM213A	3;4	
ADP-ribosylation factor-binding protein GGA3	2;3	
60S ribosomal protein L29		4
Regulator of G-protein signaling 19		3
Nucleosome assembly protein 1-like 5		4
Neuromodulin		4
40S ribosomal protein S2	2;3	
40S ribosomal protein S2	3;4	
Kinesin-like protein;Kinesin-like protein KIFC2		3
Gap junction gamma-2 protein		4
cAMP-regulated phosphoprotein 19		3
Tetratricopeptide repeat protein 39B		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		4
Brain acid soluble protein 1		4
STAM-binding protein		3
Kinesin-like protein;Kinesin-like protein KIF3A		3
Voltage-dependent R-type calcium channel subunit alpha-1E		3
Rho GDP-dissociation inhibitor 1	2;3	
Plasmolipin		2

Plasmolipin	3
Brain acid soluble protein 1	3
Ataxin-10	4
Hepatocyte growth factor-regulated tyrosine kinase substrate	3
Pyruvate kinase PKM	3;4
ATP-binding cassette sub-family F member 3	3;4
Zinc finger C2HC domain-containing protein 1A	4
BCL2/adenovirus E1B 19 kDa protein-interacting protein 3	4
Citron Rho-interacting kinase	3
Tail-anchored protein insertion receptor WRB	3
Epidermal growth factor receptor substrate 15	3
3-ketoacyl-CoA thiolase A, peroxisomal	3;4
Acyl-CoA desaturase 2;Acyl-CoA desaturase 1	2;3
	2
	2
Secretory carrier-associated membrane protein 5	2;3
Tropomyosin alpha-3 chain	3
Paraspeckle component 1	2;3
Thrombomodulin	3
GMP synthase [glutamine-hydrolyzing]	3;4
GRIP and coiled-coil domain-containing protein 2	3
Prefoldin subunit 6	2
	2
Protein NDRG2	3
Protein NDRG2	3
Abl interactor 1	2
Tropomyosin alpha-1 chain	3
Protein C12orf4 homolog	2
Paralemmin-2	3
Vesicle-fusing ATPase	2;3
Phosphoglycerate kinase 1;Phosphoglycerate kinase	2;3
Brain acid soluble protein 1	3;4
Paternally-expressed gene 3 protein	3;4
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	3
Ubiquitin carboxyl-terminal hydrolase	3
Sulfotransferase 4A1	3
Dynactin subunit 1	3
Serum albumin	3;4
Kinesin heavy chain isoform 5A	2;3
NEDD8-activating enzyme E1 catalytic subunit	4;5
Dynein light chain roadblock-type 1	2
Cell division cycle and apoptosis regulator protein 1	3
AP-3 complex subunit beta-2	3
Pre-mRNA-processing factor 6	3
Eukaryotic initiation factor 4A-I	3
Prosaposin receptor GPR37L1	3;4
Nuclear protein localization protein 4 homolog	3
Voltage-gated potassium channel subunit beta-2	2;3
Calcium/calmodulin-dependent protein kinase type 1D;Calcium/calmodulin-dependent protein kinase type 1D	3
Serine/threonine-protein kinase BRSK2	3;4

Radixin	3;4	
Ras-related protein Rab-11B	2;3	
Beta-arrestin-1	3;4	
Transitional endoplasmic reticulum ATPase	2;3	
Solute carrier family 2, facilitated glucose transporter member 3	3;4	
Solute carrier family 2, facilitated glucose transporter member 3		3
Solute carrier family 2, facilitated glucose transporter member 3		3
Microfibrillar-associated protein 3-like;Microfibril-associated glycoprotein 3		2
MAGUK p55 subfamily member 6	2;3	
ZW10 interactor		2
Calcium-activated potassium channel subunit alpha-1	3;4	
Nuclear protein localization protein 4 homolog		3
Ubiquitin thioesterase OTUB1	3;4	
Allograft inflammatory factor 1		3
Transketolase		3
V-type proton ATPase subunit d 1		3
40S ribosomal protein S20	2;3;4	
40S ribosomal protein S20	2;3;4	
Protein C9orf72 homolog		4
E3 ubiquitin-protein ligase UBR2		3
Hydroxymethylglutaryl-CoA synthase, cytoplasmic		3
Semaphorin-5A	2;3	
Mitotic checkpoint protein BUB3		3
LanC-like protein 1		3
Protein-methionine sulfoxide oxidase MICAL3		3
Testis-specific Y-encoded-like protein 1		3
Cyclin-dependent kinase 9		3
Multidrug resistance-associated protein 5	2;3	
Phenylalanine--tRNA ligase alpha subunit		3
NSFL1 cofactor p47		3
Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	2;3	
Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	3;4	
Niemann-Pick C1 protein		2
Active breakpoint cluster region-related protein	2;3	
Complement component 1 Q subcomponent-binding protein, mitochondrial		3
Ankyrin repeat and sterile alpha motif domain-containing protein 1B		3
60S acidic ribosomal protein P0		3
SRSF protein kinase 2;SRSF protein kinase 2 N-terminal;SRSF protein kinase 2 C-terminal		3
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1		3
Calcium/calmodulin-dependent protein kinase type II subunit delta;Calcium/calmodulin-		3
Calcium/calmodulin-dependent protein kinase type II subunit beta;Calcium/calmodulin-c		3
Protein kinase C and casein kinase substrate in neurons protein 1	2;3	
Brain acid soluble protein 1		3
Brain acid soluble protein 1		4
FAD synthase;Molybdenum cofactor biosynthesis protein-like region;FAD synthase regio	2;3	
ATPase WRNIP1		3
Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 2;Sulfate adenylyltransfer		4
Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1;Sulfate adenylyltransfer	3;4	
	3;4	
Alpha-centractin;Beta-centractin	3;4	

Core histone macro-H2A.2		2
	3;4	
Probable G-protein coupled receptor 162		2
Probable G-protein coupled receptor 162		4
Ankyrin-3		3
Metallo-beta-lactamase domain-containing protein 2	3;4	
ATP-citrate synthase		3
Solute carrier family 12 member 5		4
Kinesin-like protein KIF1B	2;3	
Pyruvate kinase PKM	2;3	
Clathrin heavy chain 1		3
MAGUK p55 subfamily member 6	2;3;4	
Fatty-acid amide hydrolase 1	2;3	
Vacuolar protein sorting-associated protein 33B		3
Tropomyosin alpha-4 chain		2
Far upstream element-binding protein 1;Far upstream element-binding protein 2		3
Ankyrin-2	2;3	
Neural cell adhesion molecule 1		4
Wolframin		3
Sodium/potassium-transporting ATPase subunit alpha-2		3
Adenylate cyclase type 2		4
Brain-specific angiogenesis inhibitor 3	3;4	
TBC1 domain family member 24		3
Cytochrome b5		3
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3;4	
2',3'-cyclic-nucleotide 3'-phosphodiesterase	4;5	
Neuromodulin	2;3	
	2;3	
		4
	3;4	
Spectrin alpha chain, non-erythrocytic 1		5
Tropomyosin alpha-3 chain		2
Creatine kinase B-type	2;3	
60S ribosomal protein L7a		3
Dipeptidyl peptidase 8	2;3;4	
Ras-related protein Rab-6A	2;3	
		2
Protein lin-7 homolog B		4
Polymerase I and transcript release factor		3
Septin-5	2;3;4	
Septin-5		3
Histone deacetylase 11	3;4	
AP-1 complex subunit mu-1		4
Dedicator of cytokinesis protein 7		3
Acyl-CoA desaturase 2;Acyl-CoA desaturase 1		4
Clathrin heavy chain 1;Clathrin heavy chain	2;3;4	
Cyclin-Y		3
Ubiquitin-conjugating enzyme E2 G1;Ubiquitin-conjugating enzyme E2 G1, N-terminally p		4
Adenylate cyclase type 8	3;4	
FAS-associated factor 2	3;4	

	4
Serine/threonine-protein phosphatase PP1-gamma catalytic subunit;Serine/threonine-pr	2;3;4
60S ribosomal protein L18a	3
Neurensin-1	3;4
Neurensin-1	4
SEC23-interacting protein	4
SEC23-interacting protein	3;4;5
Leucine-rich repeat-containing protein 57	3
	4
2',3'-cyclic-nucleotide 3'-phosphodiesterase	4
Calcium-transporting ATPase	3
Adenylate cyclase type 5	2;3
Echinoderm microtubule-associated protein-like 3	3
	3
Armadillo repeat-containing protein 6	3
Beta-soluble NSF attachment protein;Alpha-soluble NSF attachment protein	3;4
Beta-soluble NSF attachment protein;Alpha-soluble NSF attachment protein	3;4;5
Small glutamine-rich tetratricopeptide repeat-containing protein beta	2;3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	3;4
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	2;3
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IIA	3;4
Plasma membrane calcium-transporting ATPase 1	2;3;4
Calcium-transporting ATPase	2;3
Anion exchange protein;Electrogenic sodium bicarbonate cotransporter 1	3;4
Rab GTPase-binding effector protein 1	3
	2;3
Alpha-soluble NSF attachment protein	3
Dystonin	3
Chloride channel protein;Chloride channel protein 2	3;4
Beta-soluble NSF attachment protein	3
Disks large-associated protein 1	3
Creatine kinase B-type	3
Polyadenylate-binding protein;Polyadenylate-binding protein 1	2;3
cAMP-dependent protein kinase type I-alpha regulatory subunit;cAMP-dependent protei	4
Protein lin-7 homolog A	3;4
Signal transducing adapter molecule 1	2;3
AP-1 complex subunit sigma-2	3
Adenylate cyclase type 9	2
2',3'-cyclic-nucleotide 3'-phosphodiesterase	3
Neuronal-specific septin-3	2;3;4
Neuronal-specific septin-3	3
Small glutamine-rich tetratricopeptide repeat-containing protein alpha	2;3
Dihydropyrimidinase-related protein 3	2;3
Proteasome subunit alpha type-5	3
Transitional endoplasmic reticulum ATPase	2
Alpha-adducin	4
Clathrin light chain A	2;3
Actin-like protein 6B	3
Charged multivesicular body protein 6	2;3
Hexokinase-1;Hexokinase	3

Nuclear pore complex protein Nup155	3;4	
Solute carrier family 23 member 2		3
Annexin A6;Annexin	3;4	
Nck-associated protein 1		4
Cytoplasmic dynein 1 heavy chain 1		2
Catenin beta-1		2
Regulator of microtubule dynamics protein 3		3
V-type proton ATPase subunit E 1	2;3	
Cytoplasmic FMR1-interacting protein 1;Cytoplasmic FMR1-interacting protein 2		3
ATP-binding cassette sub-family B member 6, mitochondrial	2;3	
Splicing factor, arginine/serine-rich 19		3
cAMP-dependent protein kinase type I-beta regulatory subunit	3;4	
60S ribosomal protein L24		3
Zinc finger ZZ-type and EF-hand domain-containing protein 1		3
Lipid phosphate phosphohydrolase 3	2;3	
DnaJ homolog subfamily C member 11		3
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2;Sarcoplasmic/endoplasmic reticu	2;3	
NEDD4 family-interacting protein 2	2;3	
PEX5-related protein		3
Fibronectin type III domain-containing protein 9		3
Transforming acidic coiled-coil-containing protein 1		3
UV excision repair protein RAD23 homolog A		4
Plasma membrane calcium-transporting ATPase 1	2;3	
Dynein light chain 1, axonemal		3
TBC1 domain family member 10B		3
		3
Secernin-1	2;3	
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2		4
Branched-chain-amino-acid aminotransferase;Branched-chain-amino-acid aminotransfer		3
Vacuolar protein sorting-associated protein 18 homolog		3
Neuronal membrane glycoprotein M6-b	2;3	
Polyadenylate-binding protein;Polyadenylate-binding protein 1	2;3	
V-type proton ATPase catalytic subunit A	2;3;4	
Eukaryotic translation initiation factor 3 subunit C	2;3	
Ras-related protein Rab-6A	2;3	
Protein EVI2A		3
Glial fibrillary acidic protein		3
Inositol 1,4,5-trisphosphate receptor type 1		3
Adenylate cyclase type 9	3;4	
Phosphatidylinositol 3-kinase;Phosphatidylinositol 3-kinase catalytic subunit type 3		3
Voltage-dependent R-type calcium channel subunit alpha-1E		3
RWD domain-containing protein 1		3
Heat shock protein HSP 90-beta		3
Radixin		3
Ubiquitin carboxyl-terminal hydrolase isozyme L3	2;3	
E3 ubiquitin-protein ligase HUWE1	2;3	
Ezrin		3
Moesin		3
Sodium-dependent lysophosphatidylcholine symporter 1	3;4	
Calcium-transporting ATPase;Calcium-transporting ATPase type 2C member 1	2;3	

AP complex subunit beta;AP-2 complex subunit beta	3
Band 4.1-like protein 2	3
Synaptic vesicle glycoprotein 2B	4
Glutamate decarboxylase 1	3
SWI/SNF complex subunit SMARCC2;SWI/SNF complex subunit SMARCC1	3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA 2;3;4	
Annexin A6;Annexin	2
Annexin A6;Annexin	2
V-type proton ATPase subunit d 1	2
Vacuolar protein sorting-associated protein 33A	2;3
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 2;3;4	
14-3-3 protein sigma;14-3-3 protein zeta/delta;14-3-3 protein theta;14-3-3 protein beta/	3
	3
V-type proton ATPase subunit d 1	3
Synaptotagmin-3	3;4
AP-2 complex subunit alpha-1	3
	3
Fatty acid synthase;[Acyl-carrier-protein] S-acetyltransferase;[Acyl-carrier-protein] S-mal	3
Talin-2	2;3
Transmembrane protein 192	3
Transmembrane protein 192	3;4
26S proteasome non-ATPase regulatory subunit 3	4
26S proteasome non-ATPase regulatory subunit 3	4
Microtubule-associated protein 6	4
Peroxisomal biogenesis factor 19	4
	4;5
Ephrin type-A receptor 4	3
Staphylococcal nuclease domain-containing protein 1	3
Ribosomal protein L15;60S ribosomal protein L15	2
Epsin-1	2;3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	2;3
Amino-terminal enhancer of split	3
Spectrin beta chain, non-erythrocytic 1	2;3
Ubiquitin carboxyl-terminal hydrolase 22	4
E3 ubiquitin-protein ligase HERC2	3
ADP-ribosylation factor GTPase-activating protein 1	3
Stathmin-2	2
Fatty acid synthase;[Acyl-carrier-protein] S-acetyltransferase;[Acyl-carrier-protein] S-mal 2;3	
Ryanodine receptor 2	3
Neurofilament light polypeptide	2;3
Calcium-transporting ATPase	3;4
Armadillo repeat-containing protein 1	3
Vesicle-associated membrane protein-associated protein B	3
Ras-related C3 botulinum toxin substrate 1;Ras-related C3 botulinum toxin substrate 3	2;3
Epidermal growth factor receptor substrate 15	3
Protein tweety homolog 3	3
Protein tweety homolog 3	2;3;4
Serine/threonine-protein phosphatase PP1-beta catalytic subunit	2;3
Histone H1.2;Histone H1t;Histone H1.4;Histone H1.3	2;3
Guanine nucleotide-binding protein G(z) subunit alpha	2;3;4

T-complex protein 1 subunit theta	3
Transaldolase	3
Chondroitin sulfate proteoglycan 5	3;4;5
F-box/LRR-repeat protein 17	3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	3
C-terminal-binding protein 1;C-terminal-binding protein 2	2
STIP1 homology and U box-containing protein 1	3
26S protease regulatory subunit 7	3
Sodium channel protein	2;3
Sodium channel protein	2;3;4
Sodium channel protein	4
V-type proton ATPase catalytic subunit A	3;4
Cystatin-C	3;4
26S protease regulatory subunit 8	2
	2
ATP-binding cassette sub-family A member 5	3
Polyadenylate-binding protein 1;Polyadenylate-binding protein	2
Polyadenylate-binding protein 1;Polyadenylate-binding protein	3;4
Ankyrin-3	3
RNA-binding motif protein, X chromosome;RNA-binding motif protein, X chromosome, N	3
E3 ubiquitin-protein ligase RNF14	3
	3
Dual specificity mitogen-activated protein kinase kinase 6;Dual specificity mitogen-activa	4
F-box only protein 41	3
Neurobeachin	3
Small glutamine-rich tetratricopeptide repeat-containing protein alpha	3
Peptidyl-prolyl cis-trans isomerase FKBP4;Peptidyl-prolyl cis-trans isomerase FKBP4, N-te	2;3
Coiled-coil domain-containing protein 50	3;4
Phosphoglycerate kinase 1;Phosphoglycerate kinase	3;4
	2
Secretogranin-2;Secretoneurin;Manserin	3
Disks large homolog 4;Disks large homolog 1	2;3
Constitutive coactivator of peroxisome proliferator-activated receptor gamma	3
Protein phosphatase 1A	3
Protein phosphatase 1B	2
Lysine--tRNA ligase	3
Septin-5	3;4
Actin-related protein 10	3;4
T-complex protein 1 subunit theta	3
Succinyl-CoA ligase [ADP-forming] subunit beta, mitochondrial	2
Sodium-coupled neutral amino acid transporter 9	3;4
Fatty acid desaturase 2	3
Acyl-protein thioesterase 1	2;3
Acyl-protein thioesterase 2	3
WD repeat-containing protein 35	4
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	3;4
Amyloid protein-binding protein 2	4
Leucine-rich repeat-containing protein 7	2;4
Ganglioside-induced differentiation-associated protein 1	4
NEDD8-activating enzyme E1 regulatory subunit	2

Uridine-cytidine kinase;Uridine-cytidine kinase 1	4
Epoxide hydrolase 4	3
Kinesin-associated protein 3	3
Protein zer-1 homolog	3
Relaxin-3 receptor 1	3
Serine racemase	3
	3
Protein furry homolog	3;4
Glutamate receptor 2	2;3
Transcriptional activator protein Pur-beta;Transcriptional activator protein Pur-alpha	2;3
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IIB	3
Clustered mitochondria protein homolog	4
	3
Glycolipid transfer protein	3
WD repeat-containing protein 7	3
G kinase-anchoring protein 1	3
Band 3 anion transport protein	3
Protein unc-45 homolog A	3
Dynamin-1;Dynamin-3	3
Dynamin-1;Dynamin-3	3
Ankyrin-2;Ankyrin-3;Ankyrin-1	4
Tetratricopeptide repeat protein 5	3
Phosphoglycerate mutase 1	3
Glutathione S-transferase P 1;Glutathione S-transferase P 2	3;4
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	2
Monocarboxylate transporter 7	4
	3
Spectrin beta chain, non-erythrocytic 1;Spectrin beta chain, erythrocytic	2;3
Long-chain-fatty-acid--CoA ligase 6	3
Transforming acidic coiled-coil-containing protein 1	3
26S protease regulatory subunit 10B	3
Fatty acid synthase;[Acyl-carrier-protein] S-acetyltransferase;[Acyl-carrier-protein] S-mal	2;3
DnaJ homolog subfamily B member 2	2;3;4
DnaJ homolog subfamily B member 2	3;4;5
V-type proton ATPase subunit E 1	2
PH and SEC7 domain-containing protein 1	4
Unconventional myosin-Va	2;3
Volume-regulated anion channel subunit LRRC8B	4
Katanin p60 ATPase-containing subunit A-like 1	3
Solute carrier family 12 member 9	3
Peptidyl-prolyl cis-trans isomerase A;Peptidyl-prolyl cis-trans isomerase A, N-terminally p	2;3
60 kDa SS-A/Ro ribonucleoprotein	3
Ataxin-10	2;3
Peptide-N(4)-(N-acetyl-beta-glucosaminy)l asparagine amidase	2
Anaphase-promoting complex subunit 5	3
Tubulin beta-2A chain;Tubulin beta-2B chain	3
Tubulin beta-5 chain	3;4
Potassium voltage-gated channel subfamily H member 5	3
Potassium voltage-gated channel subfamily H member 7	3
D-3-phosphoglycerate dehydrogenase	3;4

ATP-dependent 6-phosphofructokinase, muscle type	4
Vacuolar protein sorting-associated protein 13A	3
60S ribosomal protein L29	3
	2;3
Cullin-3	3;4
DNA damage-binding protein 1	3
Glutamate receptor ionotropic, NMDA 2B	3;4
Splicing factor 3B subunit 3	3
Sorting nexin;Sorting nexin-18	2;3
Signal transducing adapter molecule 2	3
	4
Caveolin-1;Caveolin	3
Cytoplasmic FMR1-interacting protein 2	3
Serine/threonine-protein kinase SMG1	3
CUGBP Elav-like family member 2	3;4
COP9 signalosome complex subunit 3	3
Guanine nucleotide-binding protein G(o) subunit alpha	2;3
Guanine nucleotide-binding protein G(o) subunit alpha	2;3
Guanine nucleotide-binding protein G(q) subunit alpha	3
Phosphoglycerate mutase 1	2;3
Protein Dos	3;4
Annexin A6;Annexin	3
Guanine nucleotide-binding protein subunit alpha-11	2;3
Dihydropyrimidinase-related protein 5	3
Annexin A4;Annexin	3
Annexin;Annexin A11	3
Annexin;Annexin A11	3
Annexin A7	3
Annexin A6;Annexin	3;4
Annexin A6;Annexin	4
Annexin A5	3
Sodium channel protein;Sodium channel protein type 8 subunit alpha	2
Huntingtin-interacting protein 1	2
Cilia- and flagella-associated protein 36	2;3
Cell cycle control protein 50A	2
Cell cycle control protein 50A	3
Cell cycle control protein 50A	3
Hsp70-binding protein 1	2;3
Cytochrome c oxidase subunit 6B1	2;3
Heat shock-related 70 kDa protein 2;Heat shock cognate 71 kDa protein	2;3
Epsin-1	3
Protein lin-7 homolog C	3;4;5
Disks large homolog 4	3
Disks large homolog 4	3;4;5
Paternally-expressed gene 3 protein	3;4
Actin-related protein 2/3 complex subunit 5	2
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase delta	4
Eukaryotic translation initiation factor 3 subunit A	3
Receptor protein-tyrosine kinase;Vascular endothelial growth factor receptor 2	3
Smith-Magenis syndrome chromosomal region candidate gene 8 protein homolog	3;4

Kinesin heavy chain isoform 5C		3
T-complex protein 1 subunit theta	3;4	
Band 3 anion transport protein	2;3	
Heterogeneous nuclear ribonucleoprotein U-like protein 2		3
Heterogeneous nuclear ribonucleoprotein U-like protein 2	3;4	
Rho GTPase-activating protein 44		3
U1 small nuclear ribonucleoprotein A		4
Ras-related protein Rab-10	2;3	
Charged multivesicular body protein 2a	2;3	
FUN14 domain-containing protein 1	2;3	
Protein arginine N-methyltransferase 1	2;3	
		3
BRCA1-associated protein	2;3	
Malate dehydrogenase, mitochondrial		3
Ras-related protein Ral-A;Ras-related protein Ral-B		3
Long-chain-fatty-acid--CoA ligase ACSBG1	2;3	
Transmembrane protein 9B	2;3	
Clathrin heavy chain 1;Clathrin heavy chain		3
Mitochondrial Rho GTPase 2		3
UPF0668 protein C10orf76 homolog		3
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1		3
Zinc transporter 1		3
Mitogen-activated protein kinase 3;Mitogen-activated protein kinase;Mitogen-activated	2;3	
Tyrosine-protein phosphatase non-receptor type substrate 1	5;6	
CD166 antigen		3
FXFD domain-containing ion transport regulator 6		3
Cell surface glycoprotein MUC18		2
Amiloride-sensitive sodium channel subunit gamma		2
T-complex protein 1 subunit theta		3
Neurensin-1		3
Probable G-protein coupled receptor 162		3
Triple functional domain protein		3
UBX domain-containing protein 7		3
UBX domain-containing protein 7		3
Testis-specific Y-encoded-like protein 4		3
Brain-specific angiogenesis inhibitor 1	2;3	
		3
Unconventional myosin-VI		3
Probable palmitoyltransferase ZDHHC8	2;3	
Protein BUD31 homolog		3
Abhydrolase domain-containing protein 4		3
Large neutral amino acids transporter small subunit 3	2;3	
Zinc transporter 1		3
TGF-beta-activated kinase 1 and MAP3K7-binding protein 3	3;4	
		3
Microtubule-associated protein 2;Microtubule-associated protein		3
Microtubule-associated protein 4;Microtubule-associated protein		4
60S ribosomal protein L29		3
E3 ubiquitin-protein ligase HUWE1		3
Plasma membrane calcium-transporting ATPase 1		3

UPF0515 protein C19orf66 homolog	2
Apoptotic chromatin condensation inducer in the nucleus	3
Glutaredoxin-1	2
Peptidyl-prolyl cis-trans isomerase D	2;3
Brain-specific angiogenesis inhibitor 1	3
Brain-specific angiogenesis inhibitor 1	4
Myosin-14	3
Kinesin-like protein;Centromere-associated protein E	3
Tyrosine-protein kinase Yes	3
Kinesin-like protein KIF1B	3
	3;4
Integral membrane protein 2A	2;3
DCN1-like protein;DCN1-like protein 1	2;3
DCN1-like protein;DCN1-like protein 1	3;4
	3
Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha	3
Neurabin-2	3
Ras-related protein Rab-24	3
RING finger protein 145	2;3
Phospholipid-transporting ATPase IA	2;3
	3
Syntaxin-binding protein 1	2;3
NEDD8-activating enzyme E1 regulatory subunit	2
Secretory carrier-associated membrane protein 1	3
Secretory carrier-associated membrane protein 1	3;4
CUGBP Elav-like family member 4;CUGBP Elav-like family member 6;CUGBP Elav-like fam	4
CUGBP Elav-like family member 4;CUGBP Elav-like family member 3	4
Calcium-dependent secretion activator 1	5
Calcium-dependent secretion activator 1	4;5
	3
Sorbin and SH3 domain-containing protein 1	2
Spectrin beta chain, non-erythrocytic 1	3
Sorbin and SH3 domain-containing protein 2	2
Histidine triad nucleotide-binding protein 1	3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	3
Alpha-internexin	3
Glutamate receptor ionotropic, NMDA 1	2;3
V-type proton ATPase subunit E 1	3;4
Synaptotagmin-13	4
Aspartate aminotransferase, mitochondrial	3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	2;3
Histidine--tRNA ligase, cytoplasmic	2;3
3-hydroxy-3-methylglutaryl coenzyme A reductase;3-hydroxy-3-methylglutaryl-coenzyme A	3
V-type proton ATPase subunit C 1	2;3
Dihydropyrimidinase-related protein 4	3
Sodium-dependent phosphate transporter 2	3
Ran GTPase-activating protein 1	2
Nucleoside diphosphate kinase;Nucleoside diphosphate kinase B	3
Nischarin	3
	3

AP-2 complex subunit mu		3
Alanine--tRNA ligase, cytoplasmic		3
		3
Transitional endoplasmic reticulum ATPase	2;3	
Transitional endoplasmic reticulum ATPase		3
Transitional endoplasmic reticulum ATPase		3
Serine/threonine-protein kinase BRSK1		3
Proton-associated sugar transporter A		3
Solute carrier family 35 member G2		3
60S ribosomal protein L8		3
Histone H1.2;Histone H1.3	2;3	
Cofilin-1		2
Cofilin-1	2;3	
Hexokinase-1;Hexokinase	2;3	
Cofilin-2	2;3	
Gephyrin;Molybdopterin adenyltransferase;Molybdopterin molybdenumtransferase	2;3	
		2
Septin-2		3
Tripartite motif-containing protein 2		3
Histone-binding protein RBBP7		2
Protein furry homolog		3
Kinesin-like protein;Kinesin-like protein KIF2A;Kinesin-like protein KIF2B		3
Protein BEX4		3
V-type proton ATPase catalytic subunit A	3;4	
Sodium channel protein		3
Voltage-gated potassium channel subunit beta-1	2;3	
Fatty acid-binding protein, epidermal		2
Voltage-gated potassium channel subunit beta-2	2;3	
Voltage-dependent N-type calcium channel subunit alpha-1B		3
Proteasome activator complex subunit 3		2
Nischarin	2;3	
Nischarin		3
T-complex protein 1 subunit beta	2;3	
ATP synthase subunit f, mitochondrial		2
Differentially expressed in FDCP 6		3
PC4 and SFRS1-interacting protein		3
Coatomer subunit alpha;Xenin;Proxenin;Coatomer subunit alpha		3
SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E r		3
Synaptopodin		3
Signal transducing adapter molecule 1	2;3	
Striatin-4		3
cAMP-dependent protein kinase type I-beta regulatory subunit		3
N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D		2
V-type proton ATPase subunit G 1	2;3	
V-type proton ATPase subunit G 2	2;3	
Probable ATP-dependent RNA helicase DDX11		4
Stathmin		2
Stathmin		3
Hydroxymethylglutaryl-CoA synthase, cytoplasmic		3
Centrin-4		3

A-kinase anchor protein SPHKAP	2;3	
Casein kinase I isoform alpha		2
Hepatocyte growth factor-regulated tyrosine kinase substrate		3
UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit		2
Excitatory amino acid transporter 2;Amino acid transporter	2;3	
Excitatory amino acid transporter 2;Amino acid transporter	2;3	
Cyclin-Y	2;3	
Vesicle-fusing ATPase		3
Vesicle-fusing ATPase		3
Vesicle-fusing ATPase		3
Stathmin-3		2
Stathmin-3	2;3	
PI-PLC X domain-containing protein 3		3
Dynactin subunit 2		4
T-complex protein 1 subunit epsilon		3
Disks large-associated protein 1		3
Immunoglobulin superfamily containing leucine-rich repeat protein 2	2;3	
Proteasome subunit alpha type-6		2
Growth factor receptor-bound protein 2		3
Proteasome subunit beta type-5	2;3	
Protein lin-7 homolog A	3;5	
GRIP and coiled-coil domain-containing protein 1		3
Heat shock 70 kDa protein 12A	2;3	
Ubiquitin-conjugating enzyme E2 variant 1		3
Peroxiredoxin-1		3
Transmembrane protein 119		2
EF-hand domain-containing protein D2		2
Guanine nucleotide-binding protein subunit beta-5		3
Scaffold attachment factor B1		3
Potassium voltage-gated channel subfamily A member 6		3
Sodium- and chloride-dependent GABA transporter 1		3
Sodium- and chloride-dependent GABA transporter 1		3
Sodium- and chloride-dependent GABA transporter 1	3;4	
Sodium- and chloride-dependent GABA transporter 1	3;4	
PH and SEC7 domain-containing protein 3		3
Polymerase I and transcript release factor		3
Syntaxin-binding protein 3		3
Aldehyde dehydrogenase family 3 member B1	2;3	
cAMP-dependent protein kinase catalytic subunit beta		3
Nucleolin		3
Transcriptional adapter 1		2
Histone H1.5		3
Histone H2A.V;Histone H2A.Z;Histone H2A	3;4;5	
Histone H2A.V;Histone H2A.Z;Histone H2A		3
Transcription activator BRG1		3
Ras-related protein Rab-7a		3
OTU domain-containing protein 5		3
Nesprin-2		3
Breast carcinoma-amplified sequence 1 homolog		3
	3;4	

	3;4	
Fascin		4
Neurofilament medium polypeptide	3;4;5;6	
CAP-Gly domain-containing linker protein 2		3
Ubiquitin-like modifier-activating enzyme 1		3
Lysine--tRNA ligase		2
Ankyrin repeat domain-containing protein 13D	4;5	
Ankyrin repeat domain-containing protein 13D		5
Cytosolic acyl coenzyme A thioester hydrolase	2;3	
Nuclear cap-binding protein subunit 1		3
Docking protein 4		2
Coiled-coil domain-containing protein 160	2;3	
Cell cycle exit and neuronal differentiation protein 1		3
Cell cycle exit and neuronal differentiation protein 1		4
Disks large-associated protein 1		4
Fatty acid synthase;[Acyl-carrier-protein] S-acetyltransferase;[Acyl-carrier-protein] S-mal		4
Glutamine synthetase	2;3	
Ras-related protein M-Ras		3
Vasorin		3
Neuromodulin	3;4	
Phosphatidylinositol-binding clathrin assembly protein	2;3;4	
RuvB-like 2		2
ATP-dependent 6-phosphofructokinase, liver type		2
Hexokinase-1;Hexokinase		2
Receptor expression-enhancing protein		3
Inositol 1,4,5-trisphosphate receptor type 1	2;3	
14-3-3 protein gamma;14-3-3 protein gamma, N-terminally processed	2;3;4	
		3
CUE domain-containing protein 2		3
Gamma-aminobutyric acid receptor subunit alpha-3		3
Junctophilin-4	2;3	
Sodium/potassium-transporting ATPase subunit alpha-1		3
Sodium/potassium-transporting ATPase subunit alpha-1		3
Vinculin		3
Synapse differentiation-inducing gene protein 1		3
WASH complex subunit 7		3
Cytochrome b-c1 complex subunit 2, mitochondrial		3
Cleavage stimulation factor subunit 2;Cleavage stimulation factor subunit 2 tau variant		3
26S protease regulatory subunit 10B	2;3	
Dihydropyrimidinase-related protein 3;Dihydropyrimidinase-related protein 1		3
Clathrin coat assembly protein AP180		3
Clathrin coat assembly protein AP180		3
Superoxide dismutase [Cu-Zn]		3
Peroxisomal targeting signal 1 receptor		4
Ribosomal protein;60S ribosomal protein L10a		3
Disks large homolog 3	2;3	
Disks large homolog 2;Disks large homolog 1	2;3	
Uroporphyrinogen-III synthase		3
Gamma-enolase;Enolase		2
Glomulin		2

Neurofilament medium polypeptide	2;3	
Na(+)/H(+) exchange regulatory cofactor NHE-RF2		3
Ubiquitin carboxyl-terminal hydrolase 25		3
Protein lin-7 homolog C		2
Phosphoserine aminotransferase	3;4	
Mitochondrial import receptor subunit TOM70	2;3	
Kit ligand;Soluble KIT ligand		3
WD repeat-containing protein 7	3;4	
Protein CASP		3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-4	2;3	
Sodium/potassium-transporting ATPase subunit alpha-2	2;3	
Sodium/potassium-transporting ATPase subunit alpha-2		3
Sodium/potassium-transporting ATPase subunit alpha-3	2;3	
Sodium/potassium-transporting ATPase subunit alpha-1	2;3	
Dihydropyrimidinase-related protein 2	2;3	
Dihydropyrimidinase-related protein 1;Dihydropyrimidinase-related protein 4	2;3	
Glyceraldehyde-3-phosphate dehydrogenase		3
Protein shisa-9		3
Destrin	2;3	
Dynein light chain 2, cytoplasmic		3
Ubiquitin-associated domain-containing protein 1		3
Excitatory amino acid transporter 2;Amino acid transporter		3
Zinc finger ZZ-type and EF-hand domain-containing protein 1		2
60S ribosomal protein L27		4
Myosin-10		3
E3 ubiquitin-protein ligase NEDD4-like		4
Putative protein arginine N-methyltransferase 9		3
Transmembrane protein 41B		3
Cell division control protein 42 homolog	2;3	
Cell division control protein 42 homolog	2;3	
		3
Disks large-associated protein 2	2;3	
Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase		3
Ras-related C3 botulinum toxin substrate 1;Ras-related C3 botulinum toxin substrate 3	2;3	
Ras-related C3 botulinum toxin substrate 1		3
Programmed cell death 6-interacting protein	2;3	
Cofilin-2		3
Cofilin-1	2;3	
Cofilin-1		3
40S ribosomal protein SA	2;3	
Rho-related GTP-binding protein RhoG	2;3	
A-kinase anchor protein 2	3;4	
E3 ubiquitin-protein ligase MARCH11		4
Clathrin heavy chain 1;Clathrin heavy chain	2;3	
ADP-ribosylation factor-like protein 15		3
Voltage-dependent anion-selective channel protein 1		2
TAR DNA-binding protein 43		3
	2;3	
A-kinase anchor protein 7 isoform alpha;A-kinase anchor protein 7 isoform gamma	2;3	
OTU domain-containing protein 1	3;4	

Serine/threonine-protein kinase DCLK1		3
Ubiquitin-conjugating enzyme E2 variant 2		2
UV excision repair protein RAD23 homolog A		2
Histone H2B type 1-C/E/G;Histone H2B type 1-H;Histone H2B type 1-F/J/L;Histone H2B type 1-K		2
Dystonin		3
ATP-binding cassette sub-family D member 3		3
Syntaxin-binding protein 1	2;3;4	
Long-chain-fatty-acid--CoA ligase ACSBG1	2;3	
CD81 antigen	3;4	
Cullin-5		3
S-adenosylmethionine synthase isoform type-2	3;4	
Cytoplasmic phosphatidylinositol transfer protein 1		3
V-type proton ATPase subunit B, brain isoform	2;3	
Metabotropic glutamate receptor 8		3
Metabotropic glutamate receptor 4		2
Dihydropyrimidinase-related protein 2		3
AP complex subunit beta;AP-2 complex subunit beta		3
Sorbin and SH3 domain-containing protein 2		3
Protein tweety homolog 1	3;4	
E3 ubiquitin-protein ligase HECTD1		3
Protein kinase C and casein kinase substrate in neurons protein 1		5
Transcriptional activator protein Pur-beta		3
Voltage-dependent R-type calcium channel subunit alpha-1E	2;3	
Voltage-dependent R-type calcium channel subunit alpha-1E		3
Voltage-dependent R-type calcium channel subunit alpha-1E	3;4	
Protein-L-isoaspartate(D-aspartate) O-methyltransferase		3
Transmembrane and ubiquitin-like domain-containing protein 1		3
Microtubule-associated protein 6	2;3;4	
Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1;Sulfate adenylyltransferase		3
Protein kinase C and casein kinase substrate in neurons protein 1	2;3	
		3
Rab GDP dissociation inhibitor beta	3;4	
Rab GDP dissociation inhibitor beta		4
Guanine nucleotide-binding protein G(z) subunit alpha		3
Glutamine synthetase	2;3	
Rab proteins geranylgeranyltransferase component A 1		3
Gamma-soluble NSF attachment protein	2;3	
Apolipoprotein A-II;Proapolipoprotein A-II		3
Sodium/potassium-transporting ATPase subunit beta-1	2;3	
Protein C10		3
Tubulin alpha-4A chain;Tubulin alpha-1B chain;Tubulin alpha-1A chain;Tubulin alpha-3 chain	3;4	
Tubulin alpha-4A chain;Tubulin alpha-1B chain;Tubulin alpha-1A chain;Tubulin alpha-3 chain		4
60S ribosomal protein L37		3
Reticulon-4;Reticulon		3
Sequestosome-1		3
G-protein coupled receptor family C group 5 member B	2;3;4	
G-protein coupled receptor family C group 5 member B		4
G-protein coupled receptor family C group 5 member B	3;4	
MAGUK p55 subfamily member 6	3;4	
Solute carrier family 26 member 9		3

14-3-3 protein gamma;14-3-3 protein gamma, N-terminally processed	3;4;5	
14-3-3 protein gamma;14-3-3 protein gamma, N-terminally processed		3
	2;3	
F-actin-capping protein subunit alpha-2		3
FERM, RhoGEF and pleckstrin domain-containing protein 1	2;3	
Monoacylglycerol lipase ABHD12		3
TBC domain-containing protein kinase-like protein		3
ZW10 interactor	3;4	
Nucleosome assembly protein 1-like 1		4
Dystonin		3
Diacylglycerol kinase beta		3
Sodium/potassium-transporting ATPase subunit alpha-3	2;3	
Sodium/potassium-transporting ATPase subunit alpha-3	2;3	
Syntaxin-binding protein 1	3;4	
Syntaxin-binding protein 1		4
E3 ubiquitin-protein ligase MARCH1		3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2		3
Somatostatin receptor type 4		3
Ubiquitin-40S ribosomal protein S27a;Ubiquitin;40S ribosomal protein S27a	2;3	
Ubiquitin carboxyl-terminal hydrolase 27		3
Pyruvate kinase PKM		3
Myotrophin		2
Myotrophin		3
Nucleosome assembly protein 1-like 5		4
Proteasome subunit alpha type-6		3
Methyltransferase-like protein 9		3
Protein kinase C beta type		3
Protein kinase C beta type		2
Carbonyl reductase [NADPH] 3		3
Zinc transporter 1	2;3	
Core histone macro-H2A.1	2;3	
LIM and senescent cell antigen-like-containing domain protein 2		3
Ankyrin repeat domain-containing protein 6		3
Neurochondrin		2
Cilia- and flagella-associated protein 36	3;4	
Ankyrin-2		4
Ankyrin-2		3
Ubiquitin carboxyl-terminal hydrolase isozyme L1	2;3;4	
60S acidic ribosomal protein P0	2;3	
Plasma membrane calcium-transporting ATPase 1		3
COP9 signalosome complex subunit 3	3;4	
		2
Intraflagellar transport protein 172 homolog		3
Glutaredoxin-3		4
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	3;4	
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	3;5	
Calcium-transporting ATPase	2;3	
Plasma membrane calcium-transporting ATPase 1	2;3;4	
Plasma membrane calcium-transporting ATPase 1		3
Calcium-transporting ATPase	2;3	

cAMP-dependent protein kinase catalytic subunit alpha	2
Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform;Serine/threonin	3;4
DNA (cytosine-5)-methyltransferase;DNA (cytosine-5)-methyltransferase 1	2;3
Type 1 phosphatidylinositol 4,5-bisphosphate 4-phosphatase	3
Long-chain-fatty-acid--CoA ligase 6	2;3
Protein kinase C gamma type;Protein kinase C	4
RING finger protein 141	2;3
Hsp90 co-chaperone Cdc37;Hsp90 co-chaperone Cdc37, N-terminally processed	3
ATP synthase F(0) complex subunit B1, mitochondrial	2;3
Glutamine synthetase	2;3
Sodium/potassium-transporting ATPase subunit alpha-3	2;3
Sodium/potassium-transporting ATPase subunit alpha-3	2;3
Chloride channel protein;Chloride transport protein 6	2;3
Zinc finger protein 330	3
Sorbin and SH3 domain-containing protein 2	3
Mitochondrial import receptor subunit TOM40 homolog	2;3
Beta-adducin	3
Glycine receptor subunit beta	3
Tropomyosin beta chain	3
Rab GDP dissociation inhibitor alpha	2;3
Rab GDP dissociation inhibitor beta	2
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	3
Septin-6	2;3
Septin-6	3
Formin-binding protein 1	2;3
Excitatory amino acid transporter 2;Amino acid transporter	2;3
Formin-binding protein 1-like	3
E3 ubiquitin-protein ligase MIB1	2
AP complex subunit beta;AP-2 complex subunit beta;AP-1 complex subunit beta-1	2
Beta-soluble NSF attachment protein	3
Alpha-soluble NSF attachment protein	3
Brefeldin A-inhibited guanine nucleotide-exchange protein 3	2;3
E3 ubiquitin-protein ligase RNF14	3
Coiled-coil domain-containing protein 115	3
RING finger protein 122;RING finger protein 24	2;3
	3
Zinc finger protein 330	2
	4
Kinesin-like protein;Kinesin-like protein KIF1A	2;3
Toll-interacting protein	2;3
Toll-interacting protein	3
Heat shock cognate 71 kDa protein	2;3
Heat shock cognate 71 kDa protein	3;4;5
Heat shock cognate 71 kDa protein	3;4;5;6
Clathrin heavy chain 1;Clathrin heavy chain	3
Dystrophin	3
Voltage-dependent anion-selective channel protein 3	2
	2;3
Type 2 phosphatidylinositol 4,5-bisphosphate 4-phosphatase	3
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, cytoplasmic 2;Ac	4

Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, cytoplasmic 2;Ac	4
ATP-binding cassette sub-family A member 3	4
Mitogen-activated protein kinase kinase kinase 12	3
Dipeptidyl peptidase 9	3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	3
Cyclin-G-associated kinase	3
Huntingtin-associated protein 1	2
	4
Synaptopodin	3
Vesicle-fusing ATPase	3;4
Sprouty-related, EVH1 domain-containing protein 1	2
Golgin subfamily A member 7	3
Sialidase-3	2
Protein SOGA3	3
General vesicular transport factor p115	3;4
Putative oxidoreductase GLYR1	3
Leucine-rich repeat transmembrane neuronal protein 2	2
Lamin-B2	3
WD repeat-containing protein 7	3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 34	3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase;Fructose-bisphosphat	2
Lipid phosphate phosphohydrolase 3	2
Dynamin-1	2;3
Tropomyosin alpha-3 chain	3
Immunoglobulin superfamily member 11	4
	3
Sodium/potassium-transporting ATPase subunit alpha-1	2;3;4
Sodium/potassium-transporting ATPase subunit alpha-1	4;5
E3 ubiquitin-protein ligase UBR4	3
Sodium/potassium-transporting ATPase subunit alpha-2	3
Sodium/potassium-transporting ATPase subunit alpha-2	4
Sequestosome-1	3;4
Guanine nucleotide-binding protein subunit beta-5	3
26S protease regulatory subunit 6A	3
Tropomyosin alpha-3 chain	3;4
Cofilin-1	3
Succinyl-CoA:3-ketoacid-coenzyme A transferase;Succinyl-CoA:3-ketoacid coenzyme A tr	3
Heat shock protein 105 kDa	3
Type 2 phosphatidylinositol 4,5-bisphosphate 4-phosphatase	3
Fatty acid synthase;[Acyl-carrier-protein] S-acetyltransferase;[Acyl-carrier-protein] S-mal	2;3
E3 ubiquitin-protein ligase RNF13	2;3
Opsin-3	3
3'(2'),5'-bisphosphate nucleotidase 1	3
PHD finger-like domain-containing protein 5A	3
Calcium/calmodulin-dependent protein kinase type II subunit beta	3
Calcium/calmodulin-dependent protein kinase type II subunit alpha	2;3
Delta-aminolevulinic acid dehydratase	3;4
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	3;4
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	3;4
Fructose-bisphosphate aldolase C	2

E3 ubiquitin-protein ligase MIB1	2
Cullin-9	3
Retrotransposon-derived protein PEG10	2
Coatomer subunit alpha;Xenin;Proxenin;Coatomer subunit alpha	2
ELAV-like protein;ELAV-like protein 4;ELAV-like protein 2	2;3
Dystrophin	3
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	2;3
Retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit delta	4
26S protease regulatory subunit 6A	2
Alpha-parvin	2;3
Ubiquitin carboxyl-terminal hydrolase 25	4
UV excision repair protein RAD23 homolog A;UV excision repair protein RAD23 homolog 2;3	
26S proteasome non-ATPase regulatory subunit 2	4
Phosphoglycerate mutase 1	2
Unconventional myosin-Ib	2;3
Ras-related protein Rab-39B	3
Protein FAM49A	3
Sodium/potassium-transporting ATPase subunit alpha-3	2;3;4
Sodium/potassium-transporting ATPase subunit alpha-1	2;3;4
Alpha-actinin-1	2;3
AP-2 complex subunit sigma	3
Solute carrier family 12 member 5	2;3
Protein kinase C beta type	3
Spectrin beta chain, non-erythrocytic 1	2;3;4
Down syndrome cell adhesion molecule-like protein 1 homolog	3
Protein IMPACT	3
Spectrin beta chain, non-erythrocytic 1	3
Paternally-expressed gene 3 protein	3
Ribosome-binding protein 1	3
F-box only protein 3	3
cGMP-dependent 3',5'-cyclic phosphodiesterase	3
T-complex protein 1 subunit delta	4
Plakophilin-4	4
26S proteasome non-ATPase regulatory subunit 6	2
Protein quaking	3
ELAV-like protein 3	2;3
ELAV-like protein;ELAV-like protein 4;ELAV-like protein 2	2;3
Neuronal membrane glycoprotein M6-b	2;3
Neuronal membrane glycoprotein M6-b	2;3
Stathmin-3	2;3
ATP-binding cassette sub-family E member 1	3
ATP-binding cassette sub-family E member 1	3;4
Lipid phosphate phosphatase-related protein type 4	2
Alpha-enolase	3
Gamma-enolase	3
ATP synthase subunit beta, mitochondrial	3
Vacuolar protein sorting-associated protein 45	2
Cytoplasmic dynein 1 light intermediate chain 2	3
Band 4.1-like protein 1	3
ADP-ribosylation factor 1;ADP-ribosylation factor 3	2;3

ADP-ribosylation factor 1;ADP-ribosylation factor 3		3
ADP-ribosylation factor 5		3
Histone H4	2;3	
Solute carrier family 12 member 2	2;3	
Protein kinase C and casein kinase substrate in neurons protein 1	2;4	
UBX domain-containing protein 2A		3
Gap junction alpha-1 protein		3
Prefoldin subunit 5	2;3	
Neuronal calcium sensor 1		3
Neuron-specific calcium-binding protein hippocalcin		3
Actin-related protein 2/3 complex subunit 2		3
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed		3
Paternally-expressed gene 3 protein		3
Immunity-related GTPase family M protein 1		3
Immunity-related GTPase family M protein 1	2;3	
Neuropeptide Y receptor type 1	3;4	
Spectrin beta chain, non-erythrocytic 1		4
Prolyl endopeptidase-like		3
Phosphatidylinositol transfer protein beta isoform		5
Calcium-transporting ATPase	2;3	
Eukaryotic translation initiation factor 3 subunit J-A;Eukaryotic translation initiation factor 3 subunit J-A	2;3	
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1		4
Emerin		3
Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 2		3
Ras-related C3 botulinum toxin substrate 1;Ras-related C3 botulinum toxin substrate 2		3
T-complex protein 1 subunit alpha	2;3	
Unconventional myosin-Va		4
Core histone macro-H2A.1	2;3	
V-type proton ATPase subunit E 1	2;3	
CUE domain-containing protein 2	2;3	
Acyl-CoA desaturase 2		3
Activated RNA polymerase II transcriptional coactivator p15	2;3	
Cell division control protein 42 homolog		3
Long-chain-fatty-acid--CoA ligase ACSBG1		4
BTB/POZ domain-containing protein KCTD3	2;3	
Sprouty-related, EVH1 domain-containing protein 1	2;3	
Arginine-glutamic acid dipeptide repeats protein	3;4	
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA	2;3	
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA	3;4	
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		4
Spectrin alpha chain, non-erythrocytic 1	2;3	
Myc box-dependent-interacting protein 1	3;4	
Protein O-GlcNAcase		2
Gamma-glutamyltransferase 7;Gamma-glutamyltransferase 7 heavy chain;Gamma-glutamyltransferase 7 heavy chain		3
Bifunctional glutamate/proline--tRNA ligase;Glutamate--tRNA ligase;Proline--tRNA ligase		2
NSFL1 cofactor p47	2;3	
E3 ubiquitin-protein ligase HERC2		3
Solute carrier family 12 member 2		3
Snurportin-1		3

Voltage-dependent N-type calcium channel subunit alpha-1B	2;3	
Voltage-dependent N-type calcium channel subunit alpha-1B		3
Calcineurin B homologous protein 1		4
Obg-like ATPase 1	2;3	
Ubiquitin-like modifier-activating enzyme 1		3
F-box only protein 31	3;4	
Chloride intracellular channel protein 4		3
Syndecan-4		3
40S ribosomal protein S3		3
RING finger protein 24		3
Protein RMD5 homolog A		3
Structural maintenance of chromosomes protein 1A		2
		3
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc	3;4	
U5 small nuclear ribonucleoprotein 200 kDa helicase		3
Voltage-dependent P/Q-type calcium channel subunit alpha-1A	2;3	
Voltage-dependent R-type calcium channel subunit alpha-1E	3;4	
Inositol 1,4,5-trisphosphate receptor type 1	2;3	
Receptor-type tyrosine-protein phosphatase F		3
Receptor-type tyrosine-protein phosphatase F	3;4	
Beta-adducin		3
NEDD4 family-interacting protein 1		3
Neural cell adhesion molecule 1		3
		3
60S ribosomal protein L35a		3
Cell cycle control protein 50A		3
Nck-associated protein 1		4
Amyloid beta A4 precursor protein-binding family B member 3		3
Amyloid beta A4 precursor protein-binding family B member 3		3
Signal transducing adapter molecule 1		3
Lateral signaling target protein 2 homolog	2;3	
		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	2;3	
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		4
Glycine receptor subunit beta		4
Coiled-coil domain-containing protein 160		3
Lipid phosphate phosphatase-related protein type 5		3
Sorting nexin-2	2;3	
Netrin receptor UNC5C		3
Solute carrier family 12 member 5		3
Solute carrier family 12 member 5	2;3	
Putative ataxin-7-like protein 3B	2;3	
Sodium- and chloride-dependent taurine transporter	3;4	
TOM1-like protein 2	2;3	
Ankyrin repeat domain-containing protein 13A	2;3	
Ubiquitin-protein ligase E3A		3
Kinectin		3
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10		3
Tyrosine-protein kinase;Tyrosine-protein kinase JAK1	2;3	
Potassium voltage-gated channel subfamily H member 5;Potassium voltage-gated chann		2

Zinc finger protein 598		3
Nucleosome assembly protein 1-like 5	2;3	
Nucleosome assembly protein 1-like 5	2;3	
		2
CSC1-like protein 2		2
Disks large homolog 3	2;3	
Cytoplasmic dynein 1 heavy chain 1		3
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2	2;3	
Coatomer subunit beta'		2
Eukaryotic initiation factor 4A-II;Eukaryotic initiation factor 4A-II, N-terminally processed	3;4	
Beta-arrestin-1	3;4	
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase eta		3
Microtubule-associated protein RP/EB family member 2;Microtubule-associated protein		3
Microtubule-associated protein RP/EB family member 3		3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase;Fructose-bisphosphate	2;3	
Potassium voltage-gated channel subfamily KQT member 2	2;3	
		2
Plastin-1		3
Neuralized-like protein 4		3
Retinoblastoma-binding protein 5		3
Volume-regulated anion channel subunit LRRC8D	2;3	
Plastin-3		3
Cold shock domain-containing protein E1		3
ATP-dependent RNA helicase DDX1		3
C-Jun-amino-terminal kinase-interacting protein 4		3
SPRY domain-containing protein 7		4
Inward rectifier potassium channel 2		3
Actin-related protein 2/3 complex subunit 1A	2;3	
Synapsin-2	3;4	
Neurocalcin-delta	2;3	
Receptor-type tyrosine-protein phosphatase zeta;Protein-tyrosine-phosphatase		3
Fatty acid-binding protein, epidermal	2;3	
Ankyrin-3		3
Calcium/calmodulin-dependent protein kinase type II subunit alpha		3
Calcium/calmodulin-dependent protein kinase type II subunit beta		3
Keratinocyte-associated transmembrane protein 2	2;3;4	
Rhomboid-related protein 1	2;3	
Retrotransposon-derived protein PEG10		3
		2
Acetyl-CoA acetyltransferase, mitochondrial		3
COP9 signalosome complex subunit 3		4
Protein-arginine deiminase type-2	2;3	
Protein RUFY3	2;3	
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting		3
		3
Kinectin		3
E3 ubiquitin-protein ligase RNF14		3
Ubiquitin-associated protein 2-like		3
Ubiquitin-like modifier-activating enzyme 6	2;3;4	
E3 ubiquitin-protein ligase DTX1		3

Actin-binding LIM protein 1	2;3	
CaM kinase-like vesicle-associated protein		3
26S proteasome non-ATPase regulatory subunit 3		3
Ras-related protein Rab-11B;Ras-related protein Rab-11A	3;4	
Fatty acid synthase;[Acyl-carrier-protein] S-acetyltransferase;[Acyl-carrier-protein] S-mal		3
Ras/Rap GTPase-activating protein SynGAP		4
Kinesin light chain 2;Kinesin light chain 1;Kinesin light chain 4	3;4	
Renin receptor	3;4	
BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like		4
Phosphoglucomutase-1		3
Nuclear prelamin A recognition factor		3
Sorbin and SH3 domain-containing protein 2		2
Glutamate receptor ionotropic, NMDA 2B		3
14-3-3 protein zeta/delta	3;4	
Inosine-5'-monophosphate dehydrogenase 2		3
Inosine-5'-monophosphate dehydrogenase 2		4
Histone H2A deubiquitinase MYSM1		2
Vesicle-fusing ATPase	2;3	
Vesicle-fusing ATPase		3
Serine/arginine-rich splicing factor 1	2;3	
NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial		3
Protein FAM73A		3
Voltage-dependent anion-selective channel protein 2	2;3	
PC4 and SFRS1-interacting protein	2;3	
Isocitrate dehydrogenase [NADP] cytoplasmic		3
SWI/SNF complex subunit SMARCC2		3
SWI/SNF complex subunit SMARCC2		4
Spartin		3
60 kDa heat shock protein, mitochondrial		3
Flotillin-1		4
RUN and FYVE domain-containing protein 2		3
Protein-arginine deiminase type-2	2;3;4	
Long-chain-fatty-acid--CoA ligase ACSBG1		2
Insulin receptor;Insulin receptor subunit alpha;Insulin receptor subunit beta		3
Alanine--tRNA ligase, cytoplasmic		3
26S proteasome non-ATPase regulatory subunit 7		2
TBC1 domain family member 12		3
Protein kinase C beta type		3
Histidine triad nucleotide-binding protein 3		3
Cadherin-12		3
Serine/threonine-protein kinase DCLK1	2;3;4	
Serine/threonine-protein kinase DCLK1		4
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	2;3;4	
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	3;4	
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	3;4	
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		4
Glycogen synthase kinase-3 beta	2;3	
Glycogen synthase kinase-3 beta		3
Glycogen synthase kinase-3 alpha		3

Non-specific serine/threonine protein kinase;Serine/threonine-protein kinase PAK 1;Serin	2;3	
Non-specific serine/threonine protein kinase;Serine/threonine-protein kinase PAK 1;Serin		3
Serine/threonine-protein kinase PAK 2;PAK-2p27;PAK-2p34	2;3	
V-type proton ATPase catalytic subunit A		3
		3
Brefeldin A-inhibited guanine nucleotide-exchange protein 2		3
Calcium/calmodulin-dependent protein kinase type 1B		3
Syntaxin-binding protein 1		3
Syntaxin-binding protein 1	3;4;5	
Syntaxin-binding protein 1		4
Peroxiredoxin-6	2;3	
Long-chain-fatty-acid--CoA ligase 1		3
Spectrin alpha chain, non-erythrocytic 1		3
Spectrin alpha chain, non-erythrocytic 1		3
Voltage-dependent N-type calcium channel subunit alpha-1B;Voltage-dependent P/Q-type	2;3	
AP complex subunit beta;AP-2 complex subunit beta	3;4	
Dishevelled-associated activator of morphogenesis 1		3
F-actin-capping protein subunit alpha-2	2;3	
Delta-aminolevulinic acid dehydratase		3
Disks large homolog 2		4
40S ribosomal protein S26	2;3	
Protein piccolo		3
Peroxiredoxin-1	2;3	
E3 ubiquitin-protein ligase ARIH1		3
Pantothenate kinase 1		3
PITH domain-containing protein 1		3
Potassium voltage-gated channel subfamily H member 5		3
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2		3
Peroxisomal biogenesis factor 3	2;3	
mRNA cap guanine-N7 methyltransferase		3
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2		3
Protein VAC14 homolog		3
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase C	2;3	
Amine oxidase [flavin-containing] A	3;4	
Sorting nexin-13		3
Ras/Rap GTPase-activating protein SynGAP		3
Brain-specific angiogenesis inhibitor 1	2;3;4	
CSC1-like protein 2		3
Potassium channel subfamily K member 1		4
E3 ubiquitin-protein ligase MIB1	3;4	
Semaphorin-6B		3
Neural cell adhesion molecule L1		4
Tenascin-R		3
WD repeat-containing protein 7		3
26S proteasome non-ATPase regulatory subunit 2		4
Transmembrane protein 215		3
Unconventional myosin-Va		3
Developmentally-regulated GTP-binding protein 1		3
Sodium channel protein	3;4;5	
Sodium channel protein		4

Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 19	2;3	
F-box-like/WD repeat-containing protein TBL1XR1		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 4	2;3	
Splicing factor, proline- and glutamine-rich		4
COP9 signalosome complex subunit 5		2
Integrin beta		3
40S ribosomal protein S25	2;3	
	2;3	
Receptor-type tyrosine-protein phosphatase N2	2;3	
Protein TBRG4		2
Adenylate cyclase type 5		3
Hydroxymethylglutaryl-CoA synthase, cytoplasmic	2;3	
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1	2;3	
Protein DENND6B		3
Ephexin-1	2;3	
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase gamma		3
Protein unc-13 homolog B;Protein unc-13 homolog C;Protein unc-13 homolog A		3
E3 ubiquitin-protein ligase RNF185		2
E3 ubiquitin-protein ligase BRE1A		2
Heat shock cognate 71 kDa protein	2;3;4	
Ras/Rap GTPase-activating protein SynGAP		3
Ubiquitin-conjugating enzyme E2 N	2;3	
Sodium/potassium-transporting ATPase subunit alpha-1	3;4	
Sodium/potassium-transporting ATPase subunit alpha-1	2;3;4	
Sodium/potassium-transporting ATPase subunit alpha-1	3;4	
Gamma-enolase	3;4	
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2	2;3	
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2		4
Spectrin alpha chain, non-erythrocytic 1		3
L-lactate dehydrogenase;L-lactate dehydrogenase A chain	2;3	
Protein KHNYN		3
Metal transporter CNNM2		3
Metal transporter CNNM4		3
ADP-ribosylation factor-like protein 8A	2;3	
Heterogeneous nuclear ribonucleoprotein K		2
Microtubule-associated protein 2		2
Amphiphysin	2;3	
RNA 3'-terminal phosphate cyclase		3
Ubiquitin carboxyl-terminal hydrolase 20;Ubiquitinyl hydrolase 1	3;4	
Sodium channel protein		3
Sodium-dependent neutral amino acid transporter B(0)AT2		3
Sodium-dependent neutral amino acid transporter B(0)AT2		3
Sodium/potassium-transporting ATPase subunit alpha-3	3;4	
Sodium/potassium-transporting ATPase subunit alpha-3	3;4	
Sodium/potassium-transporting ATPase subunit alpha-3	3;4	
Protein shisa-7	2;3	
Activating signal cointegrator 1 complex subunit 3		3
Ribosome maturation protein SBDS		3
Inositol 1,4,5-trisphosphate receptor type 1	2;3	
Kv channel-interacting protein 2		3

Protein NDRG4		3
Plexin-D1		4
DnaJ homolog subfamily B member 2	2;3	
Cytoplasmic dynein 1 intermediate chain 2		2
Phosphatidylinositol 4-kinase type 2-alpha	2;3	
Calcyclin-binding protein		3
Citron Rho-interacting kinase		3
MAGUK p55 subfamily member 2	2;3	
Clustered mitochondria protein homolog	2;3	
Adenylate cyclase type 9	2;3	
		3
Copine-3	3;4	
Hepatoma-derived growth factor-related protein 3	2;3	
Regulatory-associated protein of mTOR	2;3	
Copine-6		3
Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial		3
Phosphoinositide 3-kinase regulatory subunit 4	3;4	
Dihydropyrimidinase-related protein 5	3;4;5	
E3 ubiquitin-protein ligase RNF187		4
Annexin A6;Annexin		3
Spectrin alpha chain, non-erythrocytic 1		3
Protein zer-1 homolog		3
AP-3 complex subunit delta-1		3
Calcium/calmodulin-dependent protein kinase type II subunit delta	2;3	
Calcium/calmodulin-dependent protein kinase type II subunit alpha	2;3	
Calcium/calmodulin-dependent protein kinase type II subunit alpha	2;3	
Calcium/calmodulin-dependent protein kinase type II subunit alpha	3;4	
Calcium/calmodulin-dependent protein kinase type II subunit alpha		3
Translationally-controlled tumor protein		4
MAP/microtubule affinity-regulating kinase 3;Serine/threonine-protein kinase MARK2;Se		3
Tripeptidyl-peptidase 2	2;3	
Cyclin-C		3
Protein kinase C gamma type;Protein kinase C	3;4	
N-terminal EF-hand calcium-binding protein 1	3;4;5	
DENN domain-containing protein 5B		2
Calcium/calmodulin-dependent protein kinase type II subunit delta;Calcium/calmodulin-i	2;3	
Calcium/calmodulin-dependent protein kinase type II subunit beta;Calcium/calmodulin-c	3;4	
Calcium/calmodulin-dependent protein kinase type II subunit alpha	2;4	
Serine/threonine-protein kinase BRSK1		3
Calcium/calmodulin-dependent protein kinase type 1B		3
Ubiquitin-protein ligase E3B		4
CUGBP Elav-like family member 4	2;3	
CUGBP Elav-like family member 4		4
Cyclin-dependent kinase 17;Cyclin-dependent kinase 18;Cyclin-dependent kinase 16		3
Cyclin-dependent-like kinase 5	2;3	
Mitogen-activated protein kinase 9;Mitogen-activated protein kinase;Mitogen-activated		3
Mitogen-activated protein kinase 9;Mitogen-activated protein kinase;Mitogen-activated		3
Mitogen-activated protein kinase 14	3;4	
Nesprin-1		3
	2;3	

SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D	2;3	
AP2-associated protein kinase 1		3
Kinesin heavy chain isoform 5A		3
Kinesin heavy chain isoform 5A		3
Tyrosine-protein phosphatase non-receptor type 23		3
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet		3
40S ribosomal protein S27		3
Alpha-actinin-4;Alpha-actinin-3;Alpha-actinin-1;Alpha-actinin-2	2;3	
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 7		3
Cyclin-dependent-like kinase 5	2;3	
Sodium-dependent neutral amino acid transporter B(0)AT2		2
Regulator of G-protein signaling 20		3
Annexin A6;Annexin	2;3	
Sorbin and SH3 domain-containing protein 2	2;3	
Synaptotagmin-4		3
Hypoxanthine-guanine phosphoribosyltransferase		3
Kinesin heavy chain isoform 5C	2;3	
Spectrin alpha chain, non-erythrocytic 1		3
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1		3
Sodium channel protein	2;3	
Protein RUFY3		3
		3
Probable palmitoyltransferase ZDHHC20	2;3	
ADP-ribosylation factor-like protein 8B	2;3	
Plexin-C1		3
Cytoplasmic dynein 1 heavy chain 1	2;3	
Solute carrier family 2, facilitated glucose transporter member 1	2;3	
Solute carrier family 2, facilitated glucose transporter member 1		3
Histamine N-methyltransferase		3
Synaptosomal-associated protein 47	2;3	
Synaptotagmin-1	3;4	
Synaptotagmin-1	3;4	
ATP-dependent 6-phosphofructokinase, muscle type		3
Protein transport protein Sec23A	2;3	
Calmodulin-regulated spectrin-associated protein 1		4
Proliferating cell nuclear antigen	2;3;4	
Neurobeachin;Lipopolysaccharide-responsive and beige-like anchor protein	2;3;4	
Stathmin-2;Stathmin	2;3	
Syntaxin-binding protein 1		2
Acidic leucine-rich nuclear phosphoprotein 32 family member A		2
Acidic leucine-rich nuclear phosphoprotein 32 family member E	2;3	
Cytochrome P450 2D26		3
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m		3
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m	2;3	
Sialidase-3	2;3	
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	2;3	
Spectrin alpha chain, non-erythrocytic 1		2
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		2
Annexin A5		3
E3 ubiquitin-protein ligase HECTD1		3

Synaptojanin-1		3
Reticulon-3		3
CAAX prenyl protease 1 homolog	2;3	3
Sodium/potassium-transporting ATPase subunit alpha-1		3
Neural cell adhesion molecule 1		2
Neural cell adhesion molecule 1	3;4	3
1,5-anhydro-D-fructose reductase		2
Prostate tumor-overexpressed gene 1 protein homolog		2
V-type proton ATPase subunit a;V-type proton ATPase 116 kDa subunit a isoform 1	2;3	
V-type proton ATPase subunit a;V-type proton ATPase 116 kDa subunit a isoform 1	2;3	
Tetratricopeptide repeat protein 39C		3
ZW10 interactor	2;3	
Synaptosomal-associated protein 25		3
Bifunctional glutamate/proline--tRNA ligase;Glutamate--tRNA ligase;Proline--tRNA ligase	2;3	
60S acidic ribosomal protein P0	2;3	
Protein DDI1 homolog 2	2;3;4	
Protein DDI1 homolog 2	3;4	
Xenotropic and polytropic retrovirus receptor 1		3
Guanine nucleotide-binding protein G(z) subunit alpha	2;3	
Guanine nucleotide-binding protein G(z) subunit alpha	2;3	
Fructose-bisphosphate aldolase C	2;3	
Syntaxin-binding protein 1	2;3	
		3
	2;3	
Glutaredoxin-3		2
ATP synthase subunit alpha, mitochondrial;ATP synthase subunit alpha		3
Insulin-degrading enzyme		3
Microtubule-associated protein 4;Microtubule-associated protein	3;4	
Microtubule-associated protein;Microtubule-associated protein tau		4
Multidrug resistance-associated protein 5		3
Ras-related protein Rab-3C;Ras-related protein Rab-3A	2;3	
Histone H4		3
Ras-related protein Rab-35	2;3	
Glycerol kinase		3
Tyrosine-protein kinase Lyn		3
Tyrosine-protein kinase Lyn	2;3	
		4
Heat shock cognate 71 kDa protein	2;3	
CDGSH iron-sulfur domain-containing protein 1	2;3	
CDGSH iron-sulfur domain-containing protein 1		4
Exocyst complex component 8		3
Voltage-dependent calcium channel gamma-2 subunit		3
Transaldolase	2;3	
RING finger protein 157	2;3	
Solute carrier family 25 member 46		3
WD repeat and FYVE domain-containing protein 3		3
40S ribosomal protein S17		3
Glucose 1,6-bisphosphate synthase		3
Microtubule-associated protein 6	2;3	

Epidermal growth factor receptor substrate 15-like 1	2;3	
G-protein coupled receptor-associated sorting protein 2		3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-13		3
Signal transducing adapter molecule 1		3
Clathrin coat assembly protein AP180		2
Voltage-dependent calcium channel gamma-2 subunit	2;3	
Voltage-dependent calcium channel gamma subunit;Voltage-dependent calcium channel		3
Voltage-dependent calcium channel gamma-3 subunit	2;3	
Voltage-dependent calcium channel gamma-3 subunit	3;4;5	
Glyceraldehyde-3-phosphate dehydrogenase	3;4	
Probable G-protein coupled receptor 162	2;3	
Gamma-aminobutyric acid receptor subunit alpha-2		3
Synaptotagmin-1	3;4	
Annexin A6		3
Paternally-expressed gene 3 protein		3
Flotillin-2		2
Cold shock domain-containing protein E1		3
Tetratricopeptide repeat protein 27		3
Microtubule-associated proteins 1A/1B light chain 3A		3
		3
Tetraspanin-33		3
E3 ubiquitin-protein ligase TRIM9		3
Vesicle-associated membrane protein 1;Vesicle-associated membrane protein 2;Vesicle-i 2;3		
Vesicle-associated membrane protein 2;Vesicle-associated membrane protein 3		3
Kinesin heavy chain isoform 5C		3
Dynactin subunit 1	2;3	
Cytoplasmic dynein 1 heavy chain 1		2
L-lactate dehydrogenase;L-lactate dehydrogenase A chain	2;3	
Spectrin alpha chain, non-erythrocytic 1	2;3	
E3 ubiquitin-protein ligase listerin		3
Beta-centractin	3;4	
Acyl-CoA:lysophosphatidylglycerol acyltransferase 1		2
Inward rectifier potassium channel 16		2
Bifunctional glutamate/proline--tRNA ligase;Glutamate--tRNA ligase;Proline--tRNA ligase		3
SEC14-like protein 2		3
Cytoskeleton-associated protein 5	2;3	
General vesicular transport factor p115		2
Disks large homolog 4		4
Disks large homolog 4	4;5	
Plasma membrane calcium-transporting ATPase 1	2;3;4	
Plasma membrane calcium-transporting ATPase 1	3;4	
Ras-related protein R-Ras2		4
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2		4
Amyloid beta A4 precursor protein-binding family B member 3	2;3;4	
Coiled-coil domain-containing protein 160		3
Synaptotagmin-13		3
Septin-7		3
Sodium/potassium-transporting ATPase subunit alpha-2	3;4	
Receptor-type tyrosine-protein phosphatase beta	3;4	
Rab GDP dissociation inhibitor beta		3

Disks large homolog 1		5
Proline-rich protein 7	3;4	
Ankyrin-2	3;4	
Ankyrin-2	3;4	
Protein bassoon		4
Sodium channel protein	3;4	
26S proteasome non-ATPase regulatory subunit 4	2;3	
XK-related protein 7		3
26S proteasome non-ATPase regulatory subunit 1		3
AP complex subunit beta;AP-2 complex subunit beta		3
GTPase KRas;GTPase KRas, N-terminally processed		3
Lipid phosphate phosphatase-related protein type 4		3
Mast/stem cell growth factor receptor Kit	2;3	
ADP-ribosylation factor-like protein 15		3
Tripartite motif-containing protein 44	2;3	
Sodium-dependent phosphate transporter 1	2;3	
Inosine-5'-monophosphate dehydrogenase;Inosine-5'-monophosphate dehydrogenase 1	2;3;4	
Rab GTPase-binding effector protein 2	2;3	
Motile sperm domain-containing protein 2		3
Actin-related protein 2/3 complex subunit 2		3
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2	2;3	
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase gamma	3;4	
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IIA		3
DAZ-associated protein 1		3
Melanoma-associated antigen E1		3
Synapse differentiation-inducing gene protein 1		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		3
Protein Hook homolog 3		3
Interleukin-1 receptor accessory protein		3
MAGUK p55 subfamily member 2	2;3	
Homer protein homolog 1		3
Clathrin heavy chain 1;Clathrin heavy chain	2;3	
Adenylate cyclase type 2		3
Ras-related protein Rab-21		3
Doublecortin domain-containing protein 2		4
Platelet-derived growth factor receptor beta		3
Reticulon-3		3
Gelsolin		3
Ras/Rap GTPase-activating protein SynGAP	2;3	
Spartin		3
RING finger protein 112		3
Heterogeneous nuclear ribonucleoprotein A/B	2;3	
CAP-Gly domain-containing linker protein 2		3
Elongation factor 2		3
Sprouty-related, EVH1 domain-containing protein 1		2
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m		2
Low-density lipoprotein receptor-related protein 12	3;4	
Sodium/potassium-transporting ATPase subunit alpha-2	2;3	
Transcription activator BRG1		3
		2

Diacylglycerol kinase		3
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2		2
Chromobox protein homolog 5	2;3	
Septin-11;Septin-6	2;3	
Septin-11;Septin-6	3;4	
Exportin-1	2;3	
Kelch-like protein 11		3
Gamma-aminobutyric acid receptor subunit alpha-3		3
Syntaphilin	2;3	
Breast carcinoma-amplified sequence 1 homolog		3
40S ribosomal protein S20	2;3;4	
Protein kinase C delta type;Protein kinase C delta type regulatory subunit;Protein kinase		2
Guanine nucleotide-binding protein subunit alpha-13	2;3	
Guanine nucleotide-binding protein subunit alpha-12		2
Guanine nucleotide-binding protein subunit alpha-11;Guanine nucleotide-binding protei		2
E3 ubiquitin-protein ligase NEDD4-like		3
		3
Ubiquitin domain-containing protein UBFD1		2
Sodium/potassium-transporting ATPase subunit alpha-3	2;3;4	
Protein transport protein Sec61 subunit alpha isoform 2;Protein transport protein Sec61		3
Protein arginine N-methyltransferase 8		3
E3 ubiquitin-protein ligase DZIP3		3
Synaptojanin-1	2;3	
NAD-dependent protein deacetylase sirtuin-2		3
Spectrin alpha chain, non-erythrocytic 1		3
Excitatory amino acid transporter 1		3
Excitatory amino acid transporter 1		4
Excitatory amino acid transporter 1	4;5	
Excitatory amino acid transporter 1		4
Excitatory amino acid transporter 1	4;5	
Ankyrin-2		3
Cullin-4B;Cullin-4A	2;3	
Zinc transporter 1	3;4;5	
Voltage-dependent anion-selective channel protein 3		3
Voltage-dependent anion-selective channel protein 3	2;3	
Mitochondrial import receptor subunit TOM40B		3
Voltage-dependent anion-selective channel protein 1	2;3	
E3 ubiquitin-protein ligase MARCH9		3
Nociceptin receptor		3
Nociceptin receptor		3
Disks large homolog 3		3
		3
40S ribosomal protein S12	2;3	
40S ribosomal protein S12		3
Phosphoinositide phospholipase C;1-phosphatidylinositol 4,5-bisphosphate phosphodies		3
SUMO-activating enzyme subunit 1;SUMO-activating enzyme subunit 1, N-terminally pro		3
Myoferlin		3
Protein kinase C epsilon type		3
Protein kinase C gamma type;Protein kinase C	2;3	
Store-operated calcium entry-associated regulatory factor		2

ATP-dependent RNA helicase DDX39A;Spliceosome RNA helicase Ddx39b	2;3;4	
Sorting nexin-5	3;4	
Guanine nucleotide-binding protein G(o) subunit alpha	2;3	
		3
Neogenin	3;4	
Dual specificity mitogen-activated protein kinase kinase 2;Dual specificity mitogen-activa		3
CD81 antigen		3
CD81 antigen	3;4	
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IIA		3
Dynamin-1;Dynamin-3;Dynamin-2	2;3	
Importin subunit beta-1	2;3	
DNA repair protein complementing XP-C cells homolog		3
Tubulin alpha-4A chain		3
Tubulin alpha-1B chain;Tubulin alpha-1A chain;Tubulin alpha-3 chain	2;3	
Tubulin alpha-1B chain;Tubulin alpha-1A chain;Tubulin alpha-3 chain	2;3	
Prostaglandin E synthase 3	2;3	
Protein TMED8		3
RasGAP-activating-like protein 1		3
Transmembrane protein 151B	2;3	
Protein MTO1 homolog, mitochondrial		3
Disks large homolog 1	2;3	
Cell death-inducing p53-target protein 1	3;4	
Eukaryotic translation initiation factor 3 subunit C		3
Kelch-like protein 11		3
Ceramide-1-phosphate transfer protein		3
Xaa-Pro aminopeptidase 1		2
Microtubule-associated protein 4		3
Protein kinase C beta type;Protein kinase C;Protein kinase C alpha type	2;3	
Solute carrier family 12 member 2		2
Flotillin-2	2;3	
Microtubule-associated protein 2	2;3	
Microtubule-associated protein 2		4
		3
Ras GTPase-activating protein 3		2
NACHT domain- and WD repeat-containing protein 1		3
Cytochrome c oxidase subunit 4 isoform 1, mitochondrial		2
Probable ATP-dependent RNA helicase DDX5		3
40S ribosomal protein S3a		3
Interleukin-1 receptor accessory protein-like 1		3
Heterogeneous nuclear ribonucleoproteins A2/B1	2;3	
E3 ubiquitin-protein ligase RNF14		3
Heterogeneous nuclear ribonucleoprotein A1;Heterogeneous nuclear ribonucleoprotein		3
Band 4.1-like protein 2	3;4	
Band 4.1-like protein 1	2;3	
Heterogeneous nuclear ribonucleoprotein D0		3
Heterogeneous nuclear ribonucleoprotein A/B		2
		3
Plexin-B1	3;4	
cAMP-dependent protein kinase type I-alpha regulatory subunit;cAMP-dependent protei		3
Neurofilament medium polypeptide	2;3	

Protein XRP2	3
Hexokinase-1;Hexokinase	2
CLIP-associating protein 2	3
Disintegrin and metalloproteinase domain-containing protein 22	2
Eukaryotic translation initiation factor 1A, X-chromosomal;Eukaryotic translation initiatio	2;3
Plexin-B3	3
Golgin subfamily A member 7B	3
OTU domain-containing protein 4	3
Myotrophin	2
Coiled-coil domain-containing protein 132	3
Cullin-9	3
Disco-interacting protein 2 homolog B	3
Heterogeneous nuclear ribonucleoprotein U	2;3
Visinin-like protein 1	2;3
Hippocalcin-like protein 4	3
Hippocalcin-like protein 4	3
Heterogeneous nuclear ribonucleoprotein Q	3;4
26S proteasome non-ATPase regulatory subunit 12	3
G-protein coupled receptor-associated sorting protein 1	3
G-protein coupled receptor-associated sorting protein 1	2;3
G-protein coupled receptor-associated sorting protein 1	3;4
G-protein coupled receptor-associated sorting protein 1	4
Ephrin type-B receptor 1	3
Dishevelled-associated activator of morphogenesis 1	3
Pleckstrin homology-like domain family B member 1	3
Sodium channel protein;Sodium channel protein type 8 subunit alpha	2;3
Sodium channel protein;Sodium channel protein type 8 subunit alpha	3;4
Sodium channel protein;Sodium channel protein type 8 subunit alpha	3;4
STE20-like serine/threonine-protein kinase	3
Adiponectin receptor protein 1	3
Ubiquitin-conjugating enzyme E2Q-like protein 1	2;3
Disks large-associated protein 3	2;3
Disks large-associated protein 2	3
Sodium channel protein;Sodium channel protein type 8 subunit alpha	2;3
Phosphatidylinositol 4-phosphate 5-kinase type-1 gamma;Phosphatidylinositol 4-phosph	3
Sodium channel protein	2;3
Sodium channel protein	2;3
Synaptosomal-associated protein 25	2;3
Eukaryotic translation initiation factor 3 subunit A	2
Tubulin beta-4B chain;Tubulin beta-5 chain;Tubulin beta-4A chain	4
Tubulin beta-4B chain;Tubulin beta-5 chain;Tubulin beta-4A chain	3;4
	3
14-3-3 protein eta	3;4;5
Cell adhesion molecule 4	3
Spectrin alpha chain, non-erythrocytic 1	3
Nesprin-2	3
Asparagine synthetase [glutamine-hydrolyzing]	2;3
	2;3;4
	5
Aquaporin-4	2;3

Aquaporin-4		3
	2;3	
	3;4	
	2;3;4	
	3;4	
	3;4	
Plasminogen activator inhibitor 1 RNA-binding protein		3
Calcium-transporting ATPase		4
Plasma membrane calcium-transporting ATPase 1	4;5	
Triosephosphate isomerase	2;3	
Protein-tyrosine kinase 2-beta		3
Serine/threonine-protein kinase LMTK1		4
Spectrin beta chain, non-erythrocytic 1	2;3	
Vacuolar protein sorting-associated protein 18 homolog	3;4	
E2/E3 hybrid ubiquitin-protein ligase UBE2O		3
Alpha-actinin-4	2;3	
ATP-binding cassette sub-family B member 6, mitochondrial	2;3	
ATPase family AAA domain-containing protein 1		3
Protein FAM49B	2;3	
Sodium/potassium-transporting ATPase subunit alpha-2	2;3	
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc	3;5	
Band 4.1-like protein 1		3
Neurochondrin		3
Protein FAM135B	4;5	
N(G),N(G)-dimethylarginine dimethylaminohydrolase 1		3
Alpha-enolase	2;3	
Zinc transporter 10		3
Tropomodulin-2		4
SUMO-activating enzyme subunit 1;SUMO-activating enzyme subunit 1, N-terminally pro		2
Vacuolar protein sorting-associated protein 52 homolog		3
Ras/Rap GTPase-activating protein SynGAP		3
Protein furry homolog	2;3	
GRIP and coiled-coil domain-containing protein 2		3
Ubiquitin-like modifier-activating enzyme 1		3
Coiled-coil domain-containing protein 73		3
Kinesin-like protein;Kinesin-like protein KIF1A;Kinesin-like protein KIF1B	2;3	
Multidrug resistance protein 1A;Multidrug resistance protein 1B		3
Chromobox protein homolog 5		3
40S ribosomal protein S15	3;4	
Protein EFR3 homolog B	2;3	
Protein EFR3 homolog B		3
		3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2		3
Plasma membrane calcium-transporting ATPase 1;Calcium-transporting ATPase		3
Uncharacterized protein C17orf64 homolog		3
D-3-phosphoglycerate dehydrogenase		3
Spectrin beta chain, non-erythrocytic 1		3
Semaphorin-6A		3
ELKS/Rab6-interacting/CAST family member 1		3
Anion exchange protein;Electrogenic sodium bicarbonate cotransporter 1		3

DNA damage-binding protein 1		3
Pyruvate kinase PKM	3;4	
Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial		2
Prolyl endopeptidase-like	4;5	
Protein kinase C gamma type;Protein kinase C		3
Protein kinase C beta type		3
		3
Beta-soluble NSF attachment protein		2
Nucleolar protein 6		2
Transketolase		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		3
		3
Tubulin beta-3 chain		4
		3
AP complex subunit beta;AP-2 complex subunit beta		3
Four and a half LIM domains protein 3		3
Melanoma-associated antigen E1		3
		3
Transient receptor potential cation channel subfamily M member 2	2;3	
Secretogranin-1;CCB peptide;PE-11		3
Secretogranin-1;CCB peptide;PE-11		4
T-complex protein 1 subunit gamma		3
Potassium voltage-gated channel subfamily A member 6		3
Sodium channel protein	2;3	
Sodium channel protein	3;4	
Potassium voltage-gated channel subfamily A member 2		3
cAMP-dependent protein kinase type I-alpha regulatory subunit;cAMP-dependent protei		3
Phosphoinositide phospholipase C;1-phosphatidylinositol 4,5-bisphosphate phosphodies		3
Neurobeachin	3;4	
Phosphatidylinositol transfer protein alpha isoform	3;4;5	
Dihydropyrimidinase-related protein 5		3
Guanine nucleotide-binding protein G(o) subunit alpha		3
Bifunctional glutamate/proline--tRNA ligase;Glutamate--tRNA ligase;Proline--tRNA ligase	2;3	
Sodium channel protein	2;3	
Cullin-5		3
Protein DDI1 homolog 2	3;4	
Anaphase-promoting complex subunit 13		4
UV excision repair protein RAD23 homolog A		3
Cytoplasmic dynein 1 heavy chain 1	3;4	
Cytoplasmic dynein 1 heavy chain 1		3
Transportin-3	2;3	
Gamma-adducin	2;3	
Receptor protein-tyrosine kinase;Tyrosine-protein kinase receptor UFO		4
ATP-binding cassette sub-family G member 1		4
Myomegalin		3
Kinesin heavy chain isoform 5C		3
		3
Inosine-5'-monophosphate dehydrogenase 2	2;3	
14-3-3 protein epsilon	2;3	
Elongation factor 2	2;3	

Fasciculation and elongation protein zeta-1		3
		3
MAGUK p55 subfamily member 6	3;4	
Connector enhancer of kinase suppressor of ras 2	2;3	
Gamma-aminobutyric acid type B receptor subunit 2	2;3	
Sodium/potassium-transporting ATPase subunit alpha-2	3;4	
Heterogeneous nuclear ribonucleoprotein A3		3
Tyrosine-protein kinase ABL1;Non-specific protein-tyrosine kinase;Abelson tyrosine-prot		3
Nuclease-sensitive element-binding protein 1;Y-box-binding protein 3	2;4	
Excitatory amino acid transporter 1;Amino acid transporter	2;3	
Serine/threonine-protein kinase LMTK3	2;3	
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 7		3
26S proteasome non-ATPase regulatory subunit 3	3;4	
40S ribosomal protein S6		3
Protein LYRIC		3
Brain acid soluble protein 1		4
Heterogeneous nuclear ribonucleoprotein U		3
Endoplasmin		3
Dihydroxyacetone phosphate acyltransferase	3;4	
Glutamate receptor ionotropic, NMDA 2A		3
Protein YIPF;Protein YIPF1		3
F-box only protein 3		3
		3
Rab5 GDP/GTP exchange factor		3
Actin, cytoplasmic 2;Actin, cytoplasmic 2, N-terminally processed		3
Gap junction alpha-1 protein		3
Gap junction alpha-1 protein	3;4	
Potassium voltage-gated channel subfamily A member 1		3
ATP-binding cassette sub-family A member 5		3
Ubiquilin-1		3
Platelet-activating factor acetylhydrolase IB subunit alpha	2;3	
Structural maintenance of chromosomes protein 1A		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		3
Protein CLEC16A		3
Ribosomal protein L19;60S ribosomal protein L19	2;3	
Ribosomal protein L19;60S ribosomal protein L19	3;4	
Dedicator of cytokinesis protein 7		3
Transforming acidic coiled-coil-containing protein 1		3
Prosaposin		3
Syntaxin-binding protein 5-like		3
Gamma-aminobutyric acid receptor subunit gamma-2		2
Prelamin-A/C;Lamin-A/C		3
Proteasome subunit alpha type-5		2
Beta-adducin	2;3	
Thimet oligopeptidase		3
4F2 cell-surface antigen heavy chain	2;3	
Na(+)/H(+) exchange regulatory cofactor NHE-RF1	4;5	
Tripeptidyl-peptidase 2		3
		3
Calcium-binding and coiled-coil domain-containing protein 1		3

Glutamine synthetase	2;3	
Glutamine synthetase	2;3;4	
Glutamine synthetase	3;4	
Cytoplasmic dynein 1 heavy chain 1		3
Potassium voltage-gated channel subfamily A member 2	2;3	
Paralemmin-1	3;4	
	3;4	
Germ cell-specific gene 1-like protein	2;3	
Synaptotagmin-1;Synaptotagmin-5	2;3	
Potassium channel subfamily K member 1		3
Transmembrane protein 151B		3
Transmembrane protein 151A	3;4	
Serine/threonine-protein phosphatase;Serine/threonine-protein phosphatase 2B catalytic subunit		3
Paralemmin-2		3
Cytosolic 5'-nucleotidase 3A	2;3	
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		2
Rab GTPase-binding effector protein 1		3
TSC22 domain family protein 1	2;3	
TSC22 domain family protein 3;TSC22 domain family protein 4	2;3	
Guanylate cyclase soluble subunit beta-1	2;3	
Glutathione peroxidase;Phospholipid hydroperoxide glutathione peroxidase, mitochondrial		3
Trafficking protein particle complex subunit 13		2
Ephrin type-B receptor 3		3
Heat shock protein HSP 90-beta		2
Tyrosine-protein kinase receptor TYRO3	3;4	
E3 ubiquitin-protein ligase Itchy	2;3	
Heat shock protein HSP 90-alpha		2
Protein lunapark		3
Sec1 family domain-containing protein 2		3
N(G),N(G)-dimethylarginine dimethylaminohydrolase 1		3
Cytoskeleton-associated protein 5		2
Protein SET	2;3	
Palmitoyltransferase ZDHHC2	3;4	
Calcineurin subunit B type 1		3
Choline-phosphate cytidylyltransferase A		3
Sodium channel protein		3
Voltage-dependent calcium channel gamma-3 subunit	2;3;4	
ADP/ATP translocase 2;ADP/ATP translocase 2, N-terminally processed		3
Nck-associated protein 1		3
	2;3	
Ubiquitin-protein ligase E3B	2;3	
ADP-ribosylation factor GTPase-activating protein 1		3
Core histone macro-H2A.2	2;3	
Chloride channel protein;Chloride transport protein 6		2
Calbindin		3
Nucleosome assembly protein 1-like 5		2
Guanine nucleotide-binding protein subunit alpha-11	2;3	
		2
RNA-binding protein FUS		2
Spectrin alpha chain, non-erythrocytic 1		3

NEDD8-activating enzyme E1 regulatory subunit		3
Ubiquitin-protein ligase E3A	3;4	
RING finger protein 24	2;3	
	2;3	
Adenylate cyclase type 2		3
GRIP and coiled-coil domain-containing protein 1		3
Neuromodulin		3
Phospholipid-transporting ATPase 1A		3
Cytoplasmic FMR1-interacting protein 1;Cytoplasmic FMR1-interacting protein 2	2;3	
Mitochondrial import receptor subunit TOM70		2
Spectrin beta chain, non-erythrocytic 1		3
Synaptojanin-1		3
Sodium/potassium-transporting ATPase subunit alpha-2	2;3	
Sodium/potassium-transporting ATPase subunit alpha-2		3
Sodium/potassium-transporting ATPase subunit alpha-3	2;3	
Sodium/potassium-transporting ATPase subunit alpha-3	2;3;4	
Connector enhancer of kinase suppressor of ras 2	2;3	
Protein TANC2	2;3	
Heterogeneous nuclear ribonucleoprotein H2		2
PH and SEC7 domain-containing protein 3	2;3	
Dihydropteridine reductase		3
Ankyrin-1	3;4	
Ankyrin-1	2;3;4	
Lupus La protein homolog	2;3	
Elongation factor 2		2
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 3;4		
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase O		3
Polypyrimidine tract-binding protein 2	3;4	
Solute carrier family 12 member 2	3;4	
Netrin receptor UNC5A		3
E3 ubiquitin-protein ligase RNF25	2;3	
E3 ubiquitin-protein ligase RNF25		3
F-box only protein 41		3
Glucocorticoid receptor		2
Uridine 5'-monophosphate synthase;Orotate phosphoribosyltransferase;Orotidine 5'-phosphate transferase		3
Catenin beta-1		3
Guanylate cyclase soluble subunit beta-1		3
E3 ubiquitin-protein ligase TRIM32	3;4	
Eukaryotic translation initiation factor 3 subunit A		3
Transmembrane protein 151A	2;3	
Transmembrane protein 151B	2;3	
Serine/threonine-protein kinase A-Raf		3
ATP synthase subunit beta, mitochondrial	3;4	
Ubiquitin carboxyl-terminal hydrolase isozyme L5	3;4	
Diacylglycerol kinase		3
Tyrosine-protein phosphatase non-receptor type 13		3
Ras/Rap GTPase-activating protein SynGAP	2;3	
FACT complex subunit SPT16		2
Nuclear receptor coactivator 7		3
		3

Profilin-1	2;3	
Small ubiquitin-related modifier 2		3
Alpha-synuclein		3
Beta-synuclein		3
Ectoderm-neural cortex protein 1		3
Alpha-synuclein;Beta-synuclein	2;3	
Alpha-synuclein		3
Glutamate receptor 2		2
Apoptosis-stimulating of p53 protein 1		3
Mitogen-activated protein kinase 9		3
Secretory carrier-associated membrane protein 1		3
Elongation factor 1-alpha 2;Elongation factor 1-alpha 1		3
Transcription elongation factor B polypeptide 1	3;4	
NAD-dependent protein deacetylase sirtuin-2	3;4	
Solute carrier family 12 member 5		4
Platelet-activating factor acetylhydrolase IB subunit alpha	3;4	
Heterogeneous nuclear ribonucleoprotein A3	3;4	
Heterogeneous nuclear ribonucleoprotein A3	2;3;4	
C-1-tetrahydrofolate synthase, cytoplasmic;Methylenetetrahydrofolate dehydrogenase;I		3
Ras-related protein Rab-2A		3
Aflatoxin B1 aldehyde reductase member 2		4
Large proline-rich protein BAG6	2;3;4	
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1		3
Phytanoyl-CoA hydroxylase-interacting protein	2;3	
	3;4	
Tropomodulin-2		3
V-type proton ATPase catalytic subunit A	2;3;4	
V-type proton ATPase catalytic subunit A	2;3;4	
V-type proton ATPase catalytic subunit A		3
BTB/POZ domain-containing protein 10	3;4;5	
EH domain-containing protein 3		4
Transcription elongation factor A protein 1		3
		4
Sodium-dependent neutral amino acid transporter SLC6A17;Transporter	3;5	
Sodium-dependent neutral amino acid transporter SLC6A17;Transporter		4
Cytoplasmic dynein 1 heavy chain 1		3
Rabenosyn-5	2;3;4	
RuvB-like 1		4
Nucleoside diphosphate kinase A;Nucleoside diphosphate kinase	2;3;4;5	
DnaJ homolog subfamily B member 5		3
Heat shock cognate 71 kDa protein		3
Histone H3;Histone H3.3;Histone H3.2;Histone H3.1;Histone H3.3C	2;3	
Methionine--tRNA ligase, cytoplasmic		3
Cyclin-dependent-like kinase 5	2;3	
Mitochondrial import receptor subunit TOM70		3
Receptor expression-enhancing protein 1	2;3	
Receptor expression-enhancing protein 3	2;3	
Melanoma-associated antigen D1		4
Protein orai-2		3
Aminoacyl tRNA synthase complex-interacting multifunctional protein 1;Endothelial mon	3;4	

Spectrin beta chain, non-erythrocytic 1	3
	3
NEDD8	2;3
Calcium-activated potassium channel subunit alpha-1	2;3
Sodium/calcium exchanger 1	3
Ubiquitin-like modifier-activating enzyme 6	4;5
Ras-related C3 botulinum toxin substrate 1	2;3
CAP-Gly domain-containing linker protein 2	2;3
Adenylyl cyclase-associated protein 1;Adenylyl cyclase-associated protein	3;4
Cilia- and flagella-associated protein 36	2;3
Serine--tRNA ligase, cytoplasmic	3;4
E3 ubiquitin-protein ligase RNF128	3
Translocation protein SEC63 homolog	2
DCC-interacting protein 13-beta	2
Plastin-3	3
Arginine--tRNA ligase, cytoplasmic	2
	3
SH3 domain-binding glutamic acid-rich-like protein 3	3
Neurochondrin	2;3
Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform;Serine/threonin	2;3
Translin	3;4
Cofilin-1	3;4
DnaJ homolog subfamily C member 5	3;4
V-type proton ATPase subunit a;V-type proton ATPase 116 kDa subunit a isoform 1	2;3
Modulator of apoptosis 1	2
Histidine triad nucleotide-binding protein 1	2;3
Receptor tyrosine-protein kinase erbB-4;ERBB4 intracellular domain;Receptor tyrosine-p	3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	3
Sodium/potassium-transporting ATPase subunit alpha-2	3
Sodium/potassium-transporting ATPase subunit alpha-2	3
Sodium/potassium-transporting ATPase subunit alpha-2	3
Protein O-GlcNAcase	2
Microtubule-associated protein 2	3
T-complex protein 1 subunit gamma	3
Neuropilin and tolloid-like protein 2	3
Huntingtin-interacting protein 1	3
Dynamin-1;Dynamin-3	2;3;4
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m	2;3
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m	2;3
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m	3;4
	2;3
Necdin	3
Phospholipid-transporting ATPase IA	2;3;4
Tyrosine-protein phosphatase non-receptor type substrate 1	3
Tyrosine-protein phosphatase non-receptor type substrate 1	4
Phosphoinositide phospholipase C	3;4;5
Aspartate--tRNA ligase, cytoplasmic	3
Cytoplasmic dynein 1 heavy chain 1	3
DnaJ homolog subfamily B member 4	3
Ras-related protein Rab-2A	3

Tyrosine-protein kinase receptor;NT-3 growth factor receptor		3
Eukaryotic translation initiation factor 3 subunit E	2;3	
Tetratricopeptide repeat protein 19, mitochondrial		3
High affinity immunoglobulin epsilon receptor subunit gamma		2
Aminoacyl tRNA synthase complex-interacting multifunctional protein 1;Endothelial mon	2;3	
Armadillo repeat-containing X-linked protein 3	2;3	
Neurofilament medium polypeptide		3
Brefeldin A-inhibited guanine nucleotide-exchange protein 3	2;3	
Alpha/beta hydrolase domain-containing protein 17B	2;3	
ADP-ribosylation factor-like protein 8B;ADP-ribosylation factor-like protein 8A	3;4	
ADP-ribosylation factor-like protein 8B;ADP-ribosylation factor-like protein 8A	3;4	
Epidermal growth factor receptor substrate 15	2;3	
IQ motif and SEC7 domain-containing protein 2		4
Protein numb homolog		3
E3 ubiquitin-protein ligase RNF34		3
Rho-related BTB domain-containing protein 2		3
Ubiquilin-1	2;3	
Ubiquilin-1	3;4	
Ubiquilin-1		4
Ubiquilin-2	2;3	
Ubiquilin-2	3;4	
Receptor expression-enhancing protein 2		2
Neuropilin and tolloid-like protein 2		3
Neuropilin and tolloid-like protein 2	3;4	
Sodium/potassium-transporting ATPase subunit alpha-2		3
Sodium/potassium-transporting ATPase subunit alpha-2		3
Microtubule-associated tumor suppressor candidate 2 homolog		3
Heat shock protein 105 kDa	3;4	
Spectrin alpha chain, non-erythrocytic 1	3;4	
Coiled-coil domain-containing protein 6		3
		3
Calcipressin-2		3
V-type proton ATPase catalytic subunit A	2;3	
Pyruvate kinase PKM		3
Pyruvate kinase PKM		4
Tripartite motif-containing protein 3		3
Diacylglycerol kinase alpha		3
60S ribosomal protein L21		3
Zinc finger protein 451	3;4	
Coiled-coil domain-containing protein 6		3
14-3-3 protein eta	3;4	
14-3-3 protein zeta/delta	2;3	
Transmembrane protein 176B		2
E3 ubiquitin-protein ligase RNF126		3
Engulfment and cell motility protein 2;Engulfment and cell motility protein 1	2;3	
E3 ubiquitin-protein ligase RNF115		3
Very-long-chain enoyl-CoA reductase	3;4	
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, cytoplasmic 2;Ac	2;3;4	
Actin-related protein 2		3
Spectrin alpha chain, non-erythrocytic 1		3

Thioredoxin		2
Tyrosine-protein kinase receptor TYRO3	2;3	
Protein furry homolog	2;3	
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3	
Paternally-expressed gene 3 protein	2;3	
Calcium/calmodulin-dependent protein kinase type 1B		3
L-lactate dehydrogenase B chain;L-lactate dehydrogenase		2
Metal transporter CNNM2		3
E3 ubiquitin-protein ligase NEDD4-like		2
Ribosome-releasing factor 2, mitochondrial		3
Tripeptidyl-peptidase 2	2;3	
Vimentin	2;3	
BTB/POZ domain-containing protein KCTD16		3
Spectrin alpha chain, non-erythrocytic 1	2;3	
Receptor-type tyrosine-protein phosphatase R	3;4	
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3	
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3	
PCTP-like protein		3
2',3'-cyclic-nucleotide 3'-phosphodiesterase	3;4	
Heterogeneous nuclear ribonucleoprotein U		3
Rho guanine nucleotide exchange factor 17		3
Sodium-dependent neutral amino acid transporter SLC6A17		3
Abhydrolase domain-containing protein 8		4
Centrosomal protein of 170 kDa		1
Volume-regulated anion channel subunit LRRC8B		3
Adenylate cyclase type 9	2;3;4	
Adenylate cyclase type 9	3;4	
Voltage-gated potassium channel subunit beta-2		4
Clathrin heavy chain 1;Clathrin heavy chain		3
Clathrin heavy chain 1;Clathrin heavy chain		3
		2
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 34		3
Cell division control protein 42 homolog		3
Kinesin heavy chain isoform 5C	2;3	
Heat shock protein HSP 90-alpha;Heat shock protein HSP 90-beta	2;3	
Anoctamin-3	3;4	
Leucine-rich repeat-containing protein 59		3
Muscarinic acetylcholine receptor M1		3
Leucine-rich repeat-containing protein 7	3;4	
NSFL1 cofactor p47		3
Ras-related protein Rab-27B		3
ATP-dependent RNA helicase DDX39A;Spliceosome RNA helicase Ddx39b	2;3	
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2		3
Triosephosphate isomerase		3
Neurobeachin		3
Kinesin-like protein KIF1B	3;4	
Vesicle-fusing ATPase	2;3	
Sodium/potassium-transporting ATPase subunit alpha-2		3
Sodium/potassium-transporting ATPase subunit alpha-2	3;4	
Pumilio homolog 1;Pumilio homolog 2		3

ATP synthase-coupling factor 6, mitochondrial		3
Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	2;3;4	
Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	2;3;4	
Alpha/beta hydrolase domain-containing protein 17A	2;3	
Plexin-A3		3
Nischarin		3
26S proteasome non-ATPase regulatory subunit 3	3;4	
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	2;3	
Septin-11	2;3	
Neural cell adhesion molecule 2	2;3	
Band 4.1-like protein 2		3
T-complex protein 11-like protein 1	2;3	
Calcineurin B homologous protein 3	3;4	
Heat shock cognate 71 kDa protein	2;3	
Ubiquitin carboxyl-terminal hydrolase 22		2
Activity-regulated cytoskeleton-associated protein		3
Excitatory amino acid transporter 4		3
Calretinin		3
Protein kinase C and casein kinase substrate in neurons protein 2		3
Ectonucleotide pyrophosphatase/phosphodiesterase family member 1;Alkaline phospho		3
14-3-3 protein eta		3
Adenosine kinase	2;3	
Ubiquitin conjugation factor E4 B		3
Nesprin-1		3
Mitochondrial import receptor subunit TOM40 homolog		3
GTP-binding protein Di-Ras2	2;3	
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2		2
Endophilin-A2		3
Amine oxidase [flavin-containing] A		3
ATP-binding cassette sub-family G member 2	2;3	
Protein NDRG1	3;4	
Septin-11		3
Septin-8	2;3	
Septin-8		4
Neuronal membrane glycoprotein M6-b	2;3;4	
Heat shock protein HSP 90-alpha	2;3;4	
DEP domain-containing mTOR-interacting protein		4
ADP-ribosylation factor-like protein 8A	2;3	
TSC22 domain family protein 1	2;3	
Stress-induced-phosphoprotein 1	2;3	
Stress-induced-phosphoprotein 1		3
Catenin delta-2;Plakophilin-4		3
Chloride channel protein;H(+)/Cl(-) exchange transporter 4	2;3	
Endoplasmic;Heat shock protein HSP 90-beta	2;3	
Heat shock protein HSP 90-alpha		2
Mitogen-activated protein kinase 9		3
Coiled-coil domain-containing protein 136		3
	3;4	3
CUGBP Elav-like family member 2		3

Septin-5	3
Septin-5	4
Heat shock protein HSP 90-beta	2
NEDD8-activating enzyme E1 regulatory subunit	3
	3;4
E3 ubiquitin-protein ligase HECW2	4
Actin-related protein 2	2;3
Beta-adrenergic receptor kinase 1	3;4;5;6
Flotillin-2	3
Cell division cycle protein 16 homolog	3
S-adenosylmethionine synthase isoform type-2	2
TBC1 domain family member 10B	2;3
Ankyrin repeat and MYND domain-containing protein 2	3
Ubiquitin-like protein ISG15	2;3
Ubiquitin-like protein ISG15	3;4
COMM domain-containing protein 4	3
Sodium-dependent phosphate transporter 1	2
E3 ubiquitin-protein ligase UBR5	2
	2;3
40S ribosomal protein S9	2;3
PH and SEC7 domain-containing protein 3	2;3
Plexin-D1	3
RING finger protein 214	3
Structural maintenance of chromosomes protein;Structural maintenance of chromosome	1
Dihydropyrimidinase-related protein 5	3
ADP-ribosylation factor-binding protein GGA3	3
TBC1 domain family member 24	3
Polyadenylate-binding protein 1	2
40S ribosomal protein S7	2;3
Protein shisa-9	2
Ras-related protein Rab-6A	3
Glyoxalase domain-containing protein 4	3
Sodium-dependent phosphate transporter 2	3;4
Neuroigin-2	2;3
BAG family molecular chaperone regulator 1	3
Actin-related protein 2/3 complex subunit 2	3
Coiled-coil domain-containing protein 160	2;3
Peripheral-type benzodiazepine receptor-associated protein 1	4
MAGUK p55 subfamily member 6	3
Transitional endoplasmic reticulum ATPase	2;3;4
	2
	3
Neurabin-2	3;4
Mortality factor 4-like protein 1	2;3
	3
Fatty acid synthase;[Acyl-carrier-protein] S-acetyltransferase;[Acyl-carrier-protein] S-mal	2;3
MAGUK p55 subfamily member 2	2;3
Protein SOGA3	3
Focadhesin	3
Brain-specific angiogenesis inhibitor 1-associated protein 2	3

Ezrin		3
60S ribosomal protein L12		3
		4
Oxysterol-binding protein 1		3
Syntaxin-binding protein 1	3;4	
Hexokinase-1;Hexokinase		3
Phospholipase A-2-activating protein		3
Kinesin heavy chain isoform 5C	3;4	
Ras-related protein Rab-6B	2;3	
Anion exchange protein;Sodium-driven chloride bicarbonate exchanger;Electroneutral sc		2
40S ribosomal protein S3		2
Ryanodine receptor 2		3
Protein S100-A6	2;3	
Tumor protein D52	2;3	
Tumor protein D52	3;4	
C2 domain-containing protein 2-like		2
E3 ubiquitin-protein ligase TRIM32		4
Heat shock 70 kDa protein 4	3;4	
Histone deacetylase complex subunit SAP18	2;3	
Protein-L-isoaspartate(D-aspartate) O-methyltransferase;Protein-L-isoaspartate O-methy	2;3	
Fatty acid-binding protein, heart		4
Cilia- and flagella-associated protein 36		3
Dedicator of cytokinesis protein 3		3
Solute carrier family 12 member 4		2
Spectrin alpha chain, non-erythrocytic 1	2;3	
Apoptosis-stimulating of p53 protein 2		3
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1		3
EH domain-containing protein 1		3
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet	2;3	
Inositol polyphosphate 5-phosphatase K		3
Phospholipase DDHD2	3;4	
Leucine-rich repeat-containing protein 7		3
DnaJ homolog subfamily A member 1	2;3	
cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A	3;4	
Plexin-A1		3
Sorting nexin-5	2;3	
N-acylneuraminate cytidyltransferase		3
N-acylneuraminate cytidyltransferase		4
Pyruvate kinase PKM	2;3	
Mitochondrial Rho GTPase 1	3;4	
	2;3	
	3;4	
40S ribosomal protein S17		3
40S ribosomal protein S17		3
Cytochrome b5 type B		4
Heat shock protein HSP 90-alpha;Heat shock protein HSP 90-beta		2
Heat shock protein HSP 90-alpha;Heat shock protein HSP 90-beta	2;3	
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-13	2;3	
Plasminogen activator inhibitor 1 RNA-binding protein		3

KIF1-binding protein	3
26S protease regulatory subunit 6B	3
Transmembrane protein 130	2;3;4
Epsin-2	2;3
Epsin-2	3
Elongation factor 1-delta	3;4
Sodium/hydrogen exchanger 9	3
Heat shock-related 70 kDa protein 2;Heat shock cognate 71 kDa protein	2;3
60S ribosomal protein L18	3
Coiled-coil domain-containing protein 167	3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	2;3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	2;3;4
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	3
Transcriptional regulator ATRX	3
Solute carrier family 12 member 5	3
Paternally-expressed gene 3 protein	4
Ubiquitin-conjugating enzyme E2 variant 1	2;3
Ubiquitin-conjugating enzyme E2 variant 2	2
Phospholipid-transporting ATPase 1A	2;3
Phospholipid-transporting ATPase 1A	2
Epsin-1	2;3
Epsin-1	2;3
Epsin-1	3
Radixin	2;3
Metabotropic glutamate receptor 5	3
Regulator of nonsense transcripts 1	3
Ezrin	3
BTB/POZ domain-containing protein KCTD4	3
RUN domain-containing protein 3B	3
Early endosome antigen 1	3
GTP-binding protein Rheb	2;3
Peripheral plasma membrane protein CASK	3
Multivesicular body subunit 12B	2;3;4
Multivesicular body subunit 12B	3
WD and tetratricopeptide repeats protein 1	3;4
Glutamate receptor ionotropic, NMDA 2B	3;4
Neuron-specific calcium-binding protein hippocalcin	3
Fragile X mental retardation protein 1 homolog	3;4
Ras/Rap GTPase-activating protein SynGAP	3
Heterogeneous nuclear ribonucleoprotein K	4
Rap guanine nucleotide exchange factor 4	3
Tripeptidyl-peptidase 2	2;3
	3
NMDA receptor synaptonuclear signaling and neuronal migration factor	3
	3
Activating molecule in BECN1-regulated autophagy protein 1	2
Asparagine--tRNA ligase, cytoplasmic	3
Mitochondrial amidoxime reducing component 2;Mitochondrial amidoxime-reducing cor	2
Neurochondrin	3
Fibroblast growth factor 12	2;3

	3
Kin of IRRE-like protein 3;Processed kin of IRRE-like protein 3	3
Band 4.1-like protein 2	3
Large neutral amino acids transporter small subunit 4	4
Spectrin alpha chain, non-erythrocytic 1	3
ATP-sensitive inward rectifier potassium channel 10	3
Beta-synuclein	3;4
General vesicular transport factor p115	3
General vesicular transport factor p115	3
Zinc finger SWIM domain-containing protein 8	3
Wiskott-Aldrich syndrome protein family member 3	3;4
Catenin delta-1	3
G protein-activated inward rectifier potassium channel 1	3
Regulator of G-protein signaling 7	2;3
CDK5 regulatory subunit-associated protein 3	3;4
Adenosine kinase	2;3
Rho-related GTP-binding protein RhoG	3
Signal transducing adapter molecule 1	3
Microtubule-associated proteins 1A/1B light chain 3B	3
Alpha-actinin-2	3
Prefoldin subunit 2	2;3
Ras-related protein Rab-33A	3;4
40S ribosomal protein S13	2
Sodium channel subunit beta-2	2;3
Sodium channel subunit beta-2	3
	3
Potassium voltage-gated channel subfamily KQT member 3	2;3
Uncharacterized protein KIAA0195	2;3;4
Small VCP/p97-interacting protein	3
Sodium leak channel non-selective protein	3
E3 ubiquitin-protein ligase RNF167	3
E3 SUMO-protein ligase RanBP2	3
RUN domain-containing protein 1	3
14-3-3 protein gamma;14-3-3 protein gamma, N-terminally processed	2
Inositol 1,4,5-trisphosphate receptor type 1	2;3
Eukaryotic translation initiation factor 3 subunit A	3;4
NEDD8-activating enzyme E1 catalytic subunit	3;4
Kinesin-like protein KIF3C	2;3
COP9 signalosome complex subunit 7a	3
COP9 signalosome complex subunit 7a	4
Ataxin-3	2;3
Nucleosome assembly protein 1-like 1	3
Heterogeneous nuclear ribonucleoproteins C1/C2	2;3
Protein phosphatase 1 regulatory inhibitor subunit 16B	3
Anion exchange protein 3	2
Anion exchange protein 3	2
Tax1-binding protein 1 homolog	2
	3
	2
Spectrin alpha chain, non-erythrocytic 1	2

Anion exchange protein 3		3
Calcium-dependent secretion activator 1		3
		3
Septin-5	2;3	
Dynactin subunit 2	2;3	
Coatamer subunit beta		3
26S protease regulatory subunit 7		3
Sorbin and SH3 domain-containing protein 2		3
Brain acid soluble protein 1	3;4	
Brain acid soluble protein 1	3;4;5	
Tubulin beta-2A chain;Tubulin beta-2B chain	3;4	
Neuronal proto-oncogene tyrosine-protein kinase Src		3
Tyrosine-protein kinase Fyn;Non-specific protein-tyrosine kinase;Tyrosine-protein kinase 2;3		
Serine/threonine-protein phosphatase 4 catalytic subunit		3
Selenide, water dikinase 1		3
Protein kinase C iota type		3
OTU domain-containing protein 7B		3
Septin-4		3
Interferon regulatory factor 2-binding protein-like		3
Epidermal growth factor receptor substrate 15		2
Kinesin-like protein KIF1B;Kinesin-like protein		3
Ubiquitin thioesterase OTUB1	3;4	
Solute carrier family 12 member 2	2;3	
Cofilin-1	3;4	
Gap junction beta-6 protein		2
Mitochondrial ubiquitin ligase activator of NFKB 1	2;3	
Proto-oncogene Mas		3
		3
Monocarboxylate transporter 1	2;3	
Reticulon-4		3
	3;4	
Methionine adenosyltransferase 2 subunit beta		3
LMBR1 domain-containing protein 2		3
SH3 domain-binding glutamic acid-rich-like protein;SH3 domain-binding glutamic acid-ric		3
Reticulon-3		3
Cytoplasmic dynein 1 heavy chain 1		4
Moesin		3
Long-chain-fatty-acid--CoA ligase ACSBG1	2;3;4	
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1		3
Nectin-3	3;4	
AP-2 complex subunit mu	2;3	
Tetraspanin;Tetraspanin-2		3
Solute carrier family 12 member 5	2;3	
	2;3	
Ataxin-10		4
HIV Tat-specific factor 1 homolog		3
26S protease regulatory subunit 4	3;4	
ATPase Asna1	3;4	
Calcium-dependent secretion activator 1		3
Clathrin heavy chain 1;Clathrin heavy chain		3

Aspartyl aminopeptidase		3
Puromycin-sensitive aminopeptidase		3
Staphylococcal nuclease domain-containing protein 1		3
Solute carrier family 12 member 5	2;3	
T-complex protein 1 subunit theta		2
Potassium voltage-gated channel subfamily A member 2		3
Microtubule-associated protein 4		3
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1	2;3	
Spectrin alpha chain, non-erythrocytic 1		3
Potassium voltage-gated channel subfamily A member 6	4;5	
Microtubule-associated protein 4		3
Paternally-expressed gene 3 protein	3;4	
Voltage-dependent R-type calcium channel subunit alpha-1E		4
Peripheral plasma membrane protein CASK		3
Coatomer subunit beta'		3
Cyclin-dependent-like kinase 5		3
ATP synthase F(0) complex subunit B1, mitochondrial		3
Kinesin heavy chain isoform 5A		3
Vesicular glutamate transporter 2		3
Vesicular glutamate transporter 2		3
Vesicular glutamate transporter 2		3
Peptide-N(4)-(N-acetyl-beta-glucosaminyl)asparagine amidase	2;3	
		2
	3;4	
Actin-related protein 2/3 complex subunit 3	2;3	
Reticulon-4		3
Protein piccolo		3
Heme oxygenase 2		3
Nucleolin	2;3	
Exportin-1		3
Proteasome subunit alpha type-1		3
Peroxisomal biogenesis factor 19		3
Regulator of G-protein signaling 7-binding protein		3
Syntaxin-12		3
Vimentin	3;4	
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	2;3	
Annexin A5		3
Glial fibrillary acidic protein		2
DnaJ homolog subfamily A member 1	3;4	
PH domain leucine-rich repeat-containing protein phosphatase 1	3;4	
Elongation factor 2		3
Transitional endoplasmic reticulum ATPase		3
DnaJ homolog subfamily B member 2	3;4	
DnaJ homolog subfamily B member 2		4
DnaJ homolog subfamily B member 4		3
		3
Sodium/potassium-transporting ATPase subunit alpha-2		4
Sodium/potassium-transporting ATPase subunit alpha-2	2;3;4	
Sodium/potassium-transporting ATPase subunit alpha-3		3
Sodium/potassium-transporting ATPase subunit alpha-3	2;3	

Mitochondrial import receptor subunit TOM70	2
N-acylneuraminate cytidyltransferase	2
Clathrin heavy chain 1;Clathrin heavy chain	3
F-box only protein 21	3
Actin-related protein 2/3 complex subunit 1A	2;3
Tubulin beta-4B chain;Tubulin beta-5 chain;Tubulin beta-2A chain;Tubulin beta-2B chain	3
Tubulin beta-4A chain	3
Dynamin-1	3
Guanine nucleotide-binding protein G(q) subunit alpha	2;3
Guanine nucleotide-binding protein subunit alpha-11	3
Redox-regulatory protein FAM213A	3
Guanine nucleotide-binding protein G(l)/G(s)/G(o) subunit gamma-13	2;3
Malic enzyme;NADP-dependent malic enzyme	4
Transformer-2 protein homolog beta	3
	3
Actin-related protein 3B	3
Actin-related protein 3	3
ATP-binding cassette sub-family A member 1	2;3
Malate dehydrogenase, cytoplasmic	2;3
L-lactate dehydrogenase B chain	3
L-lactate dehydrogenase;L-lactate dehydrogenase A chain	2;3
Bcl-2-like protein 1	3
	2;3
Stathmin;Stathmin-4	3
Protein FAM63A	3
DNA damage-binding protein 1	3
Ras-related protein Rab-2A	3
Guanine nucleotide-binding protein G(i) subunit alpha-1;Guanine nucleotide-binding pro	2;3
Gamma-aminobutyric acid receptor subunit alpha-1	3
	3
HBS1-like protein	3;4
Stathmin-3	3
Protein kinase C and casein kinase substrate in neurons protein 1	2
SEC14-like protein 2	4
Neural cell adhesion molecule 2	2;3
Amine oxidase [flavin-containing] A	2
Prefoldin subunit 2	2;3
Kinesin heavy chain isoform 5C;Kinesin-1 heavy chain;Kinesin-like protein	3
Kinesin heavy chain isoform 5A	3
Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1	4
ADP-ribosylation factor-like protein 10	3
TOM1-like protein 2	3;4
Glucose-6-phosphate isomerase	3
Insulin-degrading enzyme	3
MAGUK p55 subfamily member 6	3
	3
	3
Band 4.1-like protein 2	3
Bifunctional purine biosynthesis protein PURH;Phosphoribosylaminoimidazolecarboxami	3
Prelamin-A/C;Lamin-A/C	3

Sodium/potassium-transporting ATPase subunit alpha-1	2;3;4;5	
Sodium/potassium-transporting ATPase subunit alpha-1	3;4;5	
Ras-related protein Rap-2b	2;3;4	
Ras-related protein Rap-2b		3
Disks large homolog 4	2;3;4	
Prolyl endopeptidase		3
E3 SUMO-protein ligase RanBP2		3
Coactosin-like protein	2;3	
LanC-like protein 2		3
TOM1-like protein 1		3
Guanine deaminase	2;3	
E3 ubiquitin-protein ligase RBX1;E3 ubiquitin-protein ligase RBX1, N-terminally processec		2
Glucose-6-phosphate isomerase	2;3	
Leukemia inhibitory factor receptor		3
Spectrin beta chain, non-erythrocytic 1	3;4;5	
Spectrin beta chain, non-erythrocytic 1		4
26S proteasome non-ATPase regulatory subunit 2		3
26S proteasome non-ATPase regulatory subunit 2	3;4	
		3
OTU domain-containing protein 7A		3
Ubiquitin-conjugating enzyme E2 D2;Ubiquitin-conjugating enzyme E2 D2B;Ubiquitin-cor		2
Ubiquitin thioesterase OTUB1	2;3	
Ras/Rap GTPase-activating protein SynGAP		3
Heterogeneous nuclear ribonucleoprotein D-like		3
Heterogeneous nuclear ribonucleoprotein D0		3
Heterogeneous nuclear ribonucleoprotein D0		3
UV excision repair protein RAD23 homolog A	3;4	
Protein BRICK1	2;3	
Sialin	2;3	
Hepatoma-derived growth factor-related protein 3	2;3	
Paternally-expressed gene 3 protein		4
Ras-related protein Rap-1A;Ras-related protein Rap-1b	2;3	
Ras-related protein Rap-2b;Ras-related protein Rap-2a;Ras-related protein Rap-2c	2;3	
Sphingomyelin phosphodiesterase 3	2;3	
Neurobeachin		2
E3 SUMO-protein ligase RanBP2	2;3	
		3
		2
Clathrin heavy chain 1;Clathrin heavy chain	3;4	
FAS-associated factor 1	2;3	
Guanine nucleotide-binding protein G(o) subunit alpha	2;3	
Guanine nucleotide-binding protein G(q) subunit alpha	2;3	
Sodium/potassium-transporting ATPase subunit alpha-2		3
Claudin domain-containing protein 1		2
Transaldolase	2;3	
SH3-containing GRB2-like protein 3-interacting protein 1		2
Elongation factor 2	2;3	
PRA1 family protein 3	2;3	
Prolyl endopeptidase-like	2;3;4	
Prolyl endopeptidase-like	3;4	

Disheveled-associated activator of morphogenesis 2	2;3	
Aryl hydrocarbon receptor nuclear translocator 2		2
Transmembrane protein 87A		3
Neurofilament heavy polypeptide		3
Muscleblind-like protein 2		4
Muscleblind-like protein 1		3
Mitochondrial fission regulator 1-like		3
60S ribosomal protein L7		2
Hepatoma-derived growth factor-related protein 2		3
Hydroperoxide isomerase ALOXE3		3
Ubiquitin carboxyl-terminal hydrolase 36		3
ELAV-like protein;ELAV-like protein 4	2;3	
ELAV-like protein 3	3;4	
ELAV-like protein;ELAV-like protein 2	2;3	
Vimentin	2;3	
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed		3
Mitochondrial import inner membrane translocase subunit Tim8 B		2
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	2;3	
Pumilio homolog 1;Pumilio homolog 2		4
Diacylglycerol kinase beta		3
Glial fibrillary acidic protein		3
Spectrin beta chain, non-erythrocytic 1		3
Tripeptidyl-peptidase 2	3;4	
Xenotropic and polytropic retrovirus receptor 1		3
Alpha-interneurin		3
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3;4	
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3;4	
Uncharacterized protein KIAA1109		3
Brain-specific angiogenesis inhibitor 1-associated protein 2		3
Huntingtin-interacting protein 1-related protein		3
Cytoplasmic FMR1-interacting protein 2		3
Creatine kinase B-type	2;3	
RWD domain-containing protein 1	2;3	
Fatty acid synthase;[Acyl-carrier-protein] S-acetyltransferase;[Acyl-carrier-protein] S-mal		3
Heat shock cognate 71 kDa protein	4;5	
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 14		3
V-type proton ATPase subunit S1	2;3	
		3
Protein FAM49B	2;3	
Protein FAM49B		3
Protein unc-13 homolog A	2;3	
Palmitoyltransferase ZDHHC9		4
Nucleosome assembly protein 1-like 5	2;3	
Nucleosome assembly protein 1-like 5	2;3	
Nucleosome assembly protein 1-like 5		3
Adenylate cyclase type 5;Adenylate cyclase type 6		4
Cytoplasmic FMR1-interacting protein 2		2
Tubulin alpha-4A chain;Tubulin alpha-1B chain;Tubulin alpha-1A chain;Tubulin alpha-3 cl	2;3	
Copine-5	2;3	
Copine-8		3

Trafficking protein particle complex subunit 12	3
Matrin-3	3
Plasminogen activator inhibitor 1 RNA-binding protein	3
Ankyrin repeat domain-containing protein 13A	3
Ankyrin repeat domain-containing protein 13A	3
Sodium/potassium-transporting ATPase subunit alpha-2	3
Sodium/potassium-transporting ATPase subunit alpha-2	3
Sodium/potassium-transporting ATPase subunit alpha-2	3
Cystatin-B	3
Disks large homolog 4;Disks large homolog 2;Disks large homolog 1	2;3
FUN14 domain-containing protein 2	2;3
Paternally-expressed gene 3 protein	2;3
Coatomer subunit alpha;Xenin;Proxenin;Coatomer subunit alpha	3
Small glutamine-rich tetratricopeptide repeat-containing protein beta	3
Lactoylglutathione lyase	2;3
Ubiquitin carboxyl-terminal hydrolase 25	3
E3 ubiquitin-protein ligase ARIH1	3
Nucleosome assembly protein 1-like 1	3
Nucleosome assembly protein 1-like 1	4
Long-chain-fatty-acid--CoA ligase 3	3
Synaptosomal-associated protein 47	4;5
Synaptosomal-associated protein 47	4
Ubiquitin carboxyl-terminal hydrolase 25	3
Acyl-CoA desaturase 2	3;4
Coiled-coil domain-containing protein 110	2
G-protein coupled receptor-associated sorting protein 1	2;3
Inward rectifier potassium channel 4	2;3;4
Inward rectifier potassium channel 4	3;4
Heterogeneous nuclear ribonucleoprotein M	3
Receptor protein-tyrosine kinase;Ephrin type-A receptor 7	3
Disks large homolog 3	3
ATP-binding cassette sub-family A member 3	2;3
Potassium voltage-gated channel subfamily A member 2	2;3
Potassium voltage-gated channel subfamily A member 1	3
Potassium voltage-gated channel subfamily A member 4	4
55 kDa erythrocyte membrane protein	4
Unconventional myosin-VI	3
E3 ubiquitin-protein ligase RNF115	2;3;4
Pumilio homolog 1	3
V-type proton ATPase subunit d 1	3
Ras-related protein Rab-10	2;3
Ribosomal protein L15;60S ribosomal protein L15	3
N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D	2;3
Phosphatidylinositol 5-phosphate 4-kinase type-2 beta	3;4
Heat shock 70 kDa protein 12B	4
Protein kinase C beta type;Protein kinase C;Protein kinase C alpha type	4
Synaptic vesicle glycoprotein 2A	3
Synaptic vesicle glycoprotein 2A	3
Synaptic vesicle glycoprotein 2A	4;5
Hippocalcin-like protein 4;Visinin-like protein 1	2;3;4

Heterogeneous nuclear ribonucleoprotein H2	2;3	
Calcium-binding protein 39	2;3	
E3 ubiquitin-protein ligase TRIM32	3;4	
Two pore calcium channel protein 1		3
Triosephosphate isomerase		2
Triosephosphate isomerase		3
Phosphofurin acidic cluster sorting protein 1	2;3	
Thioredoxin-related transmembrane protein 4		4
WD repeat-containing protein 7		4
Acyl-protein thioesterase 2		3
Gamma-enolase;Enolase	2;3	
Eukaryotic peptide chain release factor subunit 1		3
Ubiquitin thioesterase OTU1		3
	2;3	
Heterogeneous nuclear ribonucleoprotein A/B		3
Heterogeneous nuclear ribonucleoprotein A/B	2;3	
Heterogeneous nuclear ribonucleoprotein D-like		2
Heterogeneous nuclear ribonucleoprotein D0		3
ATP-dependent RNA helicase DDX1		3
40S ribosomal protein S3		3
Serine/threonine-protein kinase B-raf	3;4	
	2;3	
Sodium channel protein;Sodium channel protein type 8 subunit alpha	2;3	
Hepatocyte growth factor-regulated tyrosine kinase substrate		2
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	2;3	
Glutamate dehydrogenase 1, mitochondrial		3
Exocyst complex component 6		3
Store-operated calcium entry-associated regulatory factor		3
BDNF/NT-3 growth factors receptor	2;3	
BDNF/NT-3 growth factors receptor		3
Growth factor receptor-bound protein 2	2;4	
Phosphoinositide phospholipase C	3;4	
cAMP-dependent protein kinase catalytic subunit alpha		3
cAMP-dependent protein kinase catalytic subunit beta	2;3	
DmX-like protein 2		4
Endophilin-B2	3;4	
Ras-related protein Rab-3C		3
Antizyme inhibitor 1		2
cAMP-specific 3',5'-cyclic phosphodiesterase 4A		3
1-acyl-sn-glycerol-3-phosphate acyltransferase gamma		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		3
ATPase family AAA domain-containing protein 1	2;3	
Inward rectifier potassium channel 4		3
Inward rectifier potassium channel 2		4
FERM, RhoGEF and pleckstrin domain-containing protein 1	2;3;4	
Heterogeneous nuclear ribonucleoprotein A/B	2;3;4	
Prosaposin receptor GPR37L1	2;3	
Prosaposin receptor GPR37L1	3;4;5	
Melanoma-associated antigen D1		2
Heat shock protein 105 kDa	2;3;4	

Ankyrin repeat and sterile alpha motif domain-containing protein 1B	3;4	
60S ribosomal protein L3		3
GPN-loop GTPase 1		3
Beta-adrenergic receptor kinase 1		3
Synaptosomal-associated protein 47		2
Synaptotagmin-11	2;3;4	
Synaptotagmin-11	3;4	
Zinc finger CCCH domain-containing protein 15		2
Sodium-dependent neutral amino acid transporter SLC6A17	2;3;4	
Sodium-dependent neutral amino acid transporter SLC6A17	3;4	
40S ribosomal protein S3		2
Cullin-1	2;3	
Cullin-1		3
Trafficking protein particle complex subunit 11		3
SEC23-interacting protein		3
Tyrosine-protein kinase;Tyrosine-protein kinase JAK2	2;3	
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase delta	2;3	
Copine-5	2;3	
Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 2;Nicotinamide-nucleot		3
Sodium/potassium-transporting ATPase subunit beta-1	2;3	
Glycine receptor subunit beta		4
E3 ubiquitin-protein ligase Itchy	3;4	
E3 ubiquitin-protein ligase Itchy		4
Endothelin B receptor		3
Serine--tRNA ligase, cytoplasmic		3
Serine--tRNA ligase, cytoplasmic		4
DnaJ homolog subfamily C member 5	2;3	
DnaJ homolog subfamily B member 2	2;3	
DnaJ homolog subfamily B member 2		4
WD repeat-containing protein 1		3
AP-2 complex subunit alpha-1;AP-2 complex subunit alpha-2	2;3	
Kinesin heavy chain isoform 5C	2;3	
Kinesin heavy chain isoform 5C		3
		3
Unconventional myosin-Va		3
PC4 and SFRS1-interacting protein		3
Thimet oligopeptidase		3
DnaJ homolog subfamily A member 1		2
DnaJ homolog subfamily B member 6		3
Sphingosine 1-phosphate receptor 1	3;4	
Ubiquilin-1		4
Ubiquilin-2	2;3	
COP9 signalosome complex subunit 6		3
Glycolipid transfer protein		3
Exportin-T		2
Phosphatidylinositol transfer protein alpha isoform	2;3	
Gap junction alpha-1 protein		3
Ubiquitin carboxyl-terminal hydrolase 46		3
Cullin-3	2;3	
EPM2A-interacting protein 1		2

Hemoglobin subunit alpha		2
Phosphatidylglycerophosphatase and protein-tyrosine phosphatase 1	2;3	
E2/E3 hybrid ubiquitin-protein ligase UBE2O		2
Cytochrome c oxidase assembly factor 3 homolog, mitochondrial		3
Phosphoserine aminotransferase	2;3	
		3
Ephrin type-B receptor 3		3
Post-GPI attachment to proteins factor 3		3
Ephrin type-B receptor 2		3
Adenylosuccinate lyase	3;4	
Inosine-5'-monophosphate dehydrogenase 2		2
Arfaptin-2	2;3	
AP complex subunit beta;AP-2 complex subunit beta		3
Archaemetzincin-2		3
Glial fibrillary acidic protein		3
26S proteasome non-ATPase regulatory subunit 13		3
DCC-interacting protein 13-alpha	3;4	
PTB domain-containing engulfment adapter protein 1		3
Sulfotransferase 4A1		5
Serine/threonine-protein phosphatase PP1-gamma catalytic subunit;Serine/threonine-pr		3
Receptor expression-enhancing protein 3		3
14-3-3 protein eta	2;3	
14-3-3 protein zeta/delta		3
Calcium-transporting ATPase	3;5	
Plasma membrane calcium-transporting ATPase 1		5
Plasma membrane calcium-transporting ATPase 1	4;5	
Neuronal-specific septin-3	2;3	
Transitional endoplasmic reticulum ATPase	2;3	
Transcriptional activator protein Pur-alpha	2;3	
Transcriptional activator protein Pur-beta	2;3	
Coiled-coil domain-containing protein 6	2;3	
TBC1 domain family member 15		3
Abhydrolase domain-containing protein 2	2;3	
FYVE, RhoGEF and PH domain-containing protein 4		3
Hexokinase-1;Hexokinase		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 24		3
Ran-specific GTPase-activating protein	2;3	
Transmembrane and ubiquitin-like domain-containing protein 2	3;4	
Activating signal cointegrator 1 complex subunit 3		3
Matrin-3	2;3	
Nucleoside diphosphate kinase A;Nucleoside diphosphate kinase		3
		3
Neurensin-1		2
Beta,beta-carotene 9',10'-oxygenase		3
Inositol 1,4,5-trisphosphate receptor type 1		3
26S proteasome non-ATPase regulatory subunit 2		3
Signal peptidase complex catalytic subunit SEC11;Signal peptidase complex catalytic sub		2
N-alpha-acetyltransferase 15, NatA auxiliary subunit		3
Glycerol kinase	4;5	
MAP/microtubule affinity-regulating kinase 3		3

Microtubule-associated proteins 1A/1B light chain 3B		4
Microtubule-associated proteins 1A/1B light chain 3A	3;4	
Prolyl endopeptidase-like	2;3	
Cytohesin-2		3
Sodium channel protein		3
Sodium channel protein		3
Alpha-enolase	2;3;4	
Alpha-enolase		3
Metalloreductase STEAP3	3;4	
Regulator of G-protein signaling 20		3
Ubiquitin-conjugating enzyme E2 N	2;3	
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 7	2;3	
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 7		3
Galectin-1		4
Disks large homolog 2	2;3	
		3
Formin-binding protein 1		3
40S ribosomal protein S21		3
Sodium-coupled neutral amino acid transporter 2		3
Connector enhancer of kinase suppressor of ras 2		3
Solute carrier family 22 member 8	2;3	
Aconitate hydratase, mitochondrial		3
Protein piccolo		3
Ectoderm-neural cortex protein 1		3
GTP-binding nuclear protein Ran;GTP-binding nuclear protein Ran, testis-specific isoform 2;3		
Creatine kinase B-type	3;4;5	
LanC-like protein 2		2
Kelch-like protein 42		3
Protein NDRG4		3
Dynamin-1;Dynamin-2		3
G-protein coupled receptor-associated sorting protein 1		4
G-protein coupled receptor-associated sorting protein 1	3;4	
G-protein coupled receptor-associated sorting protein 1		4
Ankyrin repeat domain-containing protein 13A	3;4	
Glycogen synthase kinase-3 beta;Glycogen synthase kinase-3 alpha	2;3	
cAMP-dependent protein kinase catalytic subunit alpha;cAMP-dependent protein kinase 3;4		
Microtubule-associated protein RP/EB family member 2;Microtubule-associated protein 3;4		
Microtubule-associated protein RP/EB family member 1		3
Alpha-aminoadipic semialdehyde dehydrogenase		3
Microtubule-associated protein RP/EB family member 2		3
Heat shock protein 105 kDa		4
Elongator complex protein 2		3
Calbindin		2
Seizure protein 6	2;3	
Spectrin beta chain, non-erythrocytic 1	2;3	
Glutamate receptor ionotropic, NMDA 2B		3
Glutamate receptor ionotropic, NMDA 2B		3
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1	2;3	
Calcium-transporting ATPase;Calcium-transporting ATPase type 2C member 1		3
Calcium-transporting ATPase;Calcium-transporting ATPase type 2C member 1		3

Breast carcinoma-amplified sequence 3 homolog	3
Glycine--tRNA ligase	3
Calcium-transporting ATPase	2;3
Aspartate--tRNA ligase, cytoplasmic	3
Guanine nucleotide-binding protein G(s) subunit alpha isoforms short;Guanine nucleotid	2;3;4
Potassium voltage-gated channel subfamily A member 1	4
CTP synthase 1	4;5
Failed axon connections homolog	3
Protein EFR3 homolog B	3;4
Creatine kinase B-type	2
Nuclear pore complex protein Nup98-Nup96;Nuclear pore complex protein Nup98;Nucle	3
Ubiquitin carboxyl-terminal hydrolase 11	2
Phosphoglycerate mutase 1	3
Synaptotagmin-1	2;3
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2	2;3;4
WD repeat-containing protein 26	3
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IIA	2
ATP synthase subunit epsilon, mitochondrial	3
Cullin-1	3
PC4 and SFRS1-interacting protein	3
Protein EFR3 homolog B	3
Heterogeneous nuclear ribonucleoprotein L	2;3
Ubiquitin carboxyl-terminal hydrolase 22	3
Synaptotagmin-12	3
Myelin basic protein	2;3
V-type proton ATPase subunit D	3
Gamma-enolase;Enolase	3
Alpha-enolase	3
Calcium/calmodulin-dependent protein kinase type II subunit beta	2;3
Calcium/calmodulin-dependent protein kinase type II subunit alpha	2;3
Spectrin beta chain, non-erythrocytic 1	2;3;4
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	2;3
Volume-regulated anion channel subunit LRRC8B	3
TAR DNA-binding protein 43	3
TAR DNA-binding protein 43	3
T-complex protein 1 subunit zeta	2;3
Guanine nucleotide-binding protein G(z) subunit alpha	3
4F2 cell-surface antigen heavy chain	2;3
Nck-associated protein 1	3
Peptidyl-prolyl cis-trans isomerase FKBP1A;Peptidyl-prolyl cis-trans isomerase	2;3
Protein rogdi homolog	3
Vacuolar protein sorting-associated protein 16 homolog	2;3
Lamin-B2	3
Ubiquitin carboxyl-terminal hydrolase 22;Ubiquitin carboxyl-terminal hydrolase 27	3;4
Calcineurin B homologous protein 1	3
Peripheral plasma membrane protein CASK	3
Hexokinase-1;Hexokinase	2;3
Hexokinase-1;Hexokinase	3;4
Neurofilament light polypeptide	2;3

Signal transducer and activator of transcription;Signal transducer and activator of transcr	3
Sodium channel protein;Sodium channel protein type 8 subunit alpha	3
Gamma-aminobutyric acid receptor subunit delta	3
Phosphomannomutase 1;Phosphomannomutase	2
Neurofilament medium polypeptide	2;3
Syntaxin-1B	2;3
Syntaxin-1B	3
Guanine nucleotide-binding protein subunit alpha-11;Guanine nucleotide-binding protei	2;3
Fatty acid synthase;[Acyl-carrier-protein] S-acetyltransferase;[Acyl-carrier-protein] S-mal	3;4
Guanine nucleotide-binding protein subunit beta-2-like 1;Guanine nucleotide-binding pro	2;3;4
Protein Wiz	2;3
Rho guanine nucleotide exchange factor 40	4;5
Synaptotagmin-4	2;3;4
Core histone macro-H2A.2	4
Core histone macro-H2A.1	3;4
Core histone macro-H2A.1	3;5
Phosphatidylinositol 5-phosphate 4-kinase type-2 beta	4
Eukaryotic peptide chain release factor GTP-binding subunit ERF3A;Eukaryotic peptide cl	3
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1	2;3
Tyrosine-protein phosphatase non-receptor type 23	2;3
Coatmer subunit beta	3;4
	2;3
26S protease regulatory subunit 7	3
Trafficking protein particle complex subunit 3	2;3
Protein FAM49B	3
Kinesin heavy chain isoform 5A	2;3
ATPase WRNIP1	2;3
Volume-regulated anion channel subunit LRRC8C	3
Heat shock protein 105 kDa	2;3
Gamma-aminobutyric acid receptor-associated protein	3
Histone acetyltransferase p300;CREB-binding protein	4
Oxysterol-binding protein;Oxysterol-binding protein-related protein 1	2;3
Synaptosomal-associated protein 47	3
	3
Microtubule-associated protein 6	2;3
Microtubule-associated protein RP/EB family member 2	3
26S proteasome non-ATPase regulatory subunit 13	2;3;4
Heat shock protein HSP 90-beta	2;3
Pericentriolar material 1 protein	2
Potassium voltage-gated channel subfamily A member 1	2;3
Potassium voltage-gated channel subfamily A member 1	3;4
Heat shock protein HSP 90-alpha	2;3
COP9 signalosome complex subunit 1	2
Calcium/calmodulin-dependent protein kinase type II subunit beta	3
Neural Wiskott-Aldrich syndrome protein	4
N-alpha-acetyltransferase 50	3
Actin-related protein 2/3 complex subunit 2	3;4
Transcriptional activator protein Pur-beta;Transcriptional activator protein Pur-alpha	2
Potassium voltage-gated channel subfamily A member 4	3
Potassium voltage-gated channel subfamily A member 3	3

Cytochrome c oxidase subunit NDUF4A	3
Nuclear pore complex protein Nup98-Nup96;Nuclear pore complex protein Nup98;Nucle	3
Wiskott-Aldrich syndrome protein family member 2;Wiskott-Aldrich syndrome protein fa 2;3	
Claudin-11	2;3;4
Receptor protein-tyrosine kinase;Tyrosine-protein kinase receptor UFO	4
Glyceraldehyde-3-phosphate dehydrogenase	2;3
Multidrug resistance protein 1A	3
Cell adhesion molecule 1	3
Pyruvate kinase PKM	2;3
Nuclease-sensitive element-binding protein 1	3
Calcium-transporting ATPase	3
Cell adhesion molecule 2	3;4
N(G),N(G)-dimethylarginine dimethylaminohydrolase 1	3;4
Unconventional myosin-Va	2;3
DCC-interacting protein 13-beta	3
60S ribosomal protein L10;60S ribosomal protein L10-like	3
NSFL1 cofactor p47	3
Secretory carrier-associated membrane protein 4	2;3
Sodium/potassium/calcium exchanger 3	3
Annexin A5	2;3
E3 ubiquitin-protein ligase TRIM32	3
Ankyrin repeat domain-containing protein 46	4;5
Modulator of apoptosis 1	3
Phosphatidylinositol 4-phosphate 5-kinase type-1 gamma	2;3;4
Phosphatidylinositol 4-phosphate 5-kinase type-1 alpha	2;3;4
Receptor-type tyrosine-protein phosphatase N2	3
Afadin	3
40S ribosomal protein S8	2;3
Neuron-specific protein family member 2	3;4
60S ribosomal protein L7a	2;3
CLIP-associating protein 1	3
Glutamate receptor ionotropic, NMDA 1	2;3
Glycogenin-1	3
Rho-related GTP-binding protein RhoF	2
ATP-dependent RNA helicase A	2
Long-chain-fatty-acid--CoA ligase 1	3
Tyrosine-protein phosphatase non-receptor type 23	3
Dihydropyrimidinase-related protein 3	4
PH domain leucine-rich repeat-containing protein phosphatase 1	3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	2
Glutamate dehydrogenase 1, mitochondrial	3
T-complex protein 1 subunit gamma	2;3
Pyruvate kinase PKM	2;3
Pyruvate kinase PKM	2
Ribosomal protein L15;60S ribosomal protein L15	3
V-type proton ATPase subunit H	3
Myelin basic protein	2;3
Heat shock protein 105 kDa;Heat shock 70 kDa protein 4L;Heat shock 70 kDa protein 4	2;3
cAMP-dependent protein kinase type I-beta regulatory subunit	3
CSC1-like protein 2	2;3

40S ribosomal protein S3	2;3	
Syntaxin-1B	2;3	
Syntaxin-1B	2;3;4	
Syntaxin-1B		3
Guanine nucleotide-binding protein G(s) subunit alpha isoforms short		3
Guanine nucleotide-binding protein G(olf) subunit alpha		3
Serine/threonine-protein phosphatase PP1-beta catalytic subunit		3
F-actin-capping protein subunit beta	3;4	
ATP-binding cassette sub-family A member 2	2;3	
Beta-adducin		4
Ermin		3
RNA-binding protein EWS		3
TOM1-like protein 2		3
Transitional endoplasmic reticulum ATPase	2;3	
Cytoskeleton-associated protein 5		2
Pre-rRNA-processing protein TSR2 homolog		3
Sodium- and chloride-dependent GABA transporter 3	2;3	
		3
Disks large homolog 2	2;3	
Kinesin heavy chain isoform 5A		3
Regulator of nonsense transcripts 1	3;4	
CUE domain-containing protein 2	3;4	
CUE domain-containing protein 2	3;4	
Pyruvate kinase PKM;Pyruvate kinase;Pyruvate kinase PKLR		3
Vesicle transport through interaction with t-SNAREs homolog 1B		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		3
Glutaredoxin-3		3
Plasma membrane calcium-transporting ATPase 1		2
Plasma membrane calcium-transporting ATPase 1		2
Calcium-transporting ATPase		3
Calcium-transporting ATPase		3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2		2
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	2;3	
Basic leucine zipper and W2 domain-containing protein 1		3
Gamma-aminobutyric acid receptor subunit alpha-1	2;3	
Kinesin-like protein KIF1B		4
Signal recognition particle receptor subunit beta		3
Proteasomal ubiquitin receptor ADRM1	2;3	
GTP-binding protein Di-Ras2	2;3	
GTP-binding protein Di-Ras2		3
Tubulin alpha-4A chain	2;3	
Tubulin alpha-1B chain;Tubulin alpha-1A chain;Tubulin alpha-3 chain	2;3	
Gap junction alpha-1 protein		3
Vesicle-trafficking protein SEC22b	2;3	
Microtubule-associated protein 6		3
Peptidyl-prolyl cis-trans isomerase FKBP5;Peptidyl-prolyl cis-trans isomerase FKBP5, N-te		3
RNA-binding protein FUS		3
Coatomer subunit zeta-1		3
T-complex protein 1 subunit theta		3
Beta-soluble NSF attachment protein;Alpha-soluble NSF attachment protein		2

E3 ubiquitin-protein ligase TRIP12		3
Kin of IRRE-like protein 3;Processed kin of IRRE-like protein 3		3
Kin of IRRE-like protein 3;Processed kin of IRRE-like protein 3	3;4	
Neuromodulin		3
Long-chain-fatty-acid--CoA ligase 6	2;3	
DnaJ homolog subfamily B member 5		3
FERM, RhoGEF and pleckstrin domain-containing protein 1		2
Redox-regulatory protein FAM213A		3
Heterogeneous nuclear ribonucleoprotein M		3
		4
Monocarboxylate transporter 1		2
Dystrophin-related protein 2		3
BTB/POZ domain-containing protein 9	3;4	
Ubiquitin carboxyl-terminal hydrolase 29		2
ATP synthase-coupling factor 6, mitochondrial		3
CD99 antigen-like protein 2		3
Structural maintenance of chromosomes protein 1A		3
Structural maintenance of chromosomes protein 1A		4
		3
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2		3
Catenin alpha-2	2;3	
Catenin alpha-2	3;4	
Catenin alpha-2	4;5	
Receptor tyrosine-protein kinase erbB-3		3
Myelin-associated glycoprotein	2;3;4	
Myelin-associated glycoprotein	3;5	
Peroxiredoxin-6		3
Signal transducing adapter molecule 1		4
Heat shock cognate 71 kDa protein		3
E3 ubiquitin-protein ligase Praja-1		4
Calcium-transporting ATPase		3
Beta-adrenergic receptor kinase 1;Beta-adrenergic receptor kinase 2		3
Gamma-aminobutyric acid type B receptor subunit 1		3
Gamma-aminobutyric acid type B receptor subunit 1		4
Junctophilin-1		3
Syntaxin-binding protein 1	2;3	
Syntaxin-binding protein 1	3;4	
Plexin-D1	2;3	
Heterogeneous nuclear ribonucleoprotein A1;Heterogeneous nuclear ribonucleoprotein		3
Heterogeneous nuclear ribonucleoprotein Q		3
UPF0606 protein KIAA1549		3
UPF0606 protein KIAA1549		4
Paternally-expressed gene 3 protein	2;3	
Protein FAM177A1	2;3	
Coatomer subunit alpha;Xenin;Proxenin;Coatomer subunit alpha	2;3	
Uncharacterized protein KIAA0513		3
Mediator of RNA polymerase II transcription subunit 20		2
Epidermal growth factor receptor substrate 15-like 1		3
Voltage-dependent anion-selective channel protein 2	2;3	
Polyadenylate-binding protein;Polyadenylate-binding protein 1		3

Nucleolin	3
Heterogeneous nuclear ribonucleoproteins A2/B1	3;4
RNA-binding protein Musashi homolog 2	3;4;5
Lactoylglutathione lyase	2;3;4
Peptidyl-prolyl cis-trans isomerase A;Peptidyl-prolyl cis-trans isomerase A, N-terminally p	3
Syntaxin-1A	2;3
Syntaxin-1A	2;3;4
Neuronal calcium sensor 1	3
E2/E3 hybrid ubiquitin-protein ligase UBE2O	2
Hexokinase-1;Hexokinase	3;4
Sodium/potassium-transporting ATPase subunit alpha-2	2;3
Long-chain-fatty-acid--CoA ligase 3	3
ADP-ribosylation factor-like protein 2	3
Hippocalcin-like protein 4	3
Visinin-like protein 1	3
Neuron-specific calcium-binding protein hippocalcin	2;3
Neuron-specific calcium-binding protein hippocalcin	3;4
Sodium-coupled neutral amino acid transporter 3	3;4
Sodium-coupled neutral amino acid transporter 3	3;4
Pecanex-like protein 2	3
Protein XRP2	2;3
Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform	3;4
WD repeat-containing protein mio	3
Ankyrin-2	2;3;4
Probable cationic amino acid transporter	3
UPF0505 protein C16orf62 homolog	3
Breast carcinoma-amplified sequence 3 homolog	3
Sodium channel protein	2;3
Vesicular inhibitory amino acid transporter	3
Latrophilin-3	3
Serine/threonine-protein kinase DCLK1	3
Protein bassoon	3
Protein Wiz	3
Far upstream element-binding protein 1	2
C-Jun-amino-terminal kinase-interacting protein 4	3
Cytoplasmic FMR1-interacting protein 2	2
Epidermal growth factor receptor substrate 15-like 1	3
Metal transporter CNNM3	3
Gap junction gamma-2 protein	4
Transcriptional activator protein Pur-beta	3
Ubiquitin carboxyl-terminal hydrolase 20	3
10 kDa heat shock protein, mitochondrial	3
Ubiquitin-like modifier-activating enzyme 1	2
Protein BEX4	3
Core histone macro-H2A.1	2;3
Dihydropyrimidinase-related protein 2	3
Acyl-CoA desaturase 2;Acyl-CoA desaturase 1	3
Acyl-CoA desaturase 2;Acyl-CoA desaturase 1	3
40S ribosomal protein S3	2
Neural cell adhesion molecule L1	3

C-terminal-binding protein 1;C-terminal-binding protein 2	2;3	
Disks large-associated protein 2		3
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 2;3		
Creatine kinase B-type		2
Activity-regulated cytoskeleton-associated protein	2;3	
Casein kinase II subunit alpha		2
Sodium/potassium-transporting ATPase subunit alpha-3	2;3	
		4
RNA-binding protein Nova-1	2;3	
AP-3 complex subunit beta-2	3;4	
		2
Voltage-dependent R-type calcium channel subunit alpha-1E	2;3	
Brefeldin A-inhibited guanine nucleotide-exchange protein 3		3
Ankyrin-1		4
Desmoglein-2		2
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase		2
Anion exchange protein 3		3
Protein spinster homolog 2		3
Wolframin		3
mRNA export factor		4
Lipid phosphate phosphatase-related protein type 3		4
Trafficking protein particle complex subunit 9		3
Protein zyg-11 homolog B		3
Vesicle-fusing ATPase		3
Tubulin alpha-1B chain;Tubulin alpha-1A chain	2;3;4	
Tubulin alpha-4A chain	3;4	
Paternally-expressed gene 3 protein	3;4	
Glycerol-3-phosphate dehydrogenase 1-like protein		3
Potassium voltage-gated channel subfamily H member 1	2;3	
Potassium voltage-gated channel subfamily H member 5	2;3	
Hexokinase-1;Hexokinase;Putative hexokinase HKDC1		3
E3 SUMO-protein ligase RanBP2	3;4	
COP9 signalosome complex subunit 3		2
Beta-actin-like protein 2	3;4	
Wolframin		3
Coiled-coil domain-containing protein 50	2;3	
tRNA (adenine(58)-N(1))-methyltransferase non-catalytic subunit TRM6		4
Ubiquitin-like modifier-activating enzyme 1		3
Heterogeneous nuclear ribonucleoprotein U		3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	2;3	
Fructose-bisphosphate aldolase C	2;3	
Fructose-bisphosphate aldolase C		2
Small VCP/p97-interacting protein	2;3	
Vesicle-fusing ATPase		3
Transitional endoplasmic reticulum ATPase	2;3	
Probable hydrolase PNKD		2
Actin, aortic smooth muscle;Actin, gamma-enteric smooth muscle;Actin, alpha skeletal n	3;4	
Fructose-bisphosphate aldolase C	2;3	
Histone H1.2	2;3	
Ankyrin repeat and sterile alpha motif domain-containing protein 1B		2

Sodium channel protein;Sodium channel protein type 9 subunit alpha	3
Ubiquitin fusion degradation protein 1 homolog	3
	2;3
Adenosylhomocysteinase	4
Synaptotagmin-11	2;3
Synaptotagmin-11	3
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	2;3
Transketolase	3;4;5
Transketolase	3
Zinc finger protein 280C	3
Wolframin	3
Reticulon-3	3
14-3-3 protein zeta/delta	2;3
Splicing factor, proline- and glutamine-rich	2
Non-POU domain-containing octamer-binding protein	2;3
Guanine nucleotide-binding protein subunit alpha-12	3
WW domain-binding protein 2	2;3
Mitochondrial fission 1 protein	2;3
Prolyl endopeptidase-like	3
Receptor tyrosine-protein kinase erbB-4;ERBB4 intracellular domain	2;3
Eukaryotic initiation factor 4A-II;Eukaryotic initiation factor 4A-II, N-terminally processed	2;3
Synaptotagmin-4	2;3;4
Synaptotagmin-4	4
Synaptotagmin-4	4
Monocarboxylate transporter 7	3
Sphingosine kinase 1	3
T-complex protein 1 subunit eta	2;3
UV excision repair protein RAD23 homolog B	2;3
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2	3
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2	3
Neural cell adhesion molecule 1	3
Nuclear migration protein nudC	3
Calcium/calmodulin-dependent protein kinase type 1B	2;3
Sodium channel protein	3;4
Sodium channel protein	3;4;5
Ras/Rap GTPase-activating protein SynGAP	3
Serine/threonine-protein kinase DCLK1	3
	3
Major facilitator superfamily domain-containing protein 6	3
Vacuolar-sorting protein SNF8	2
Heat shock 70 kDa protein 4	3
Hexokinase-1;Hexokinase	3
Hexokinase-1;Hexokinase	3;4
Electroneutral sodium bicarbonate exchanger 1	4
LIM and SH3 domain protein 1	2;3
Peptidyl-glycine alpha-amidating monooxygenase;Peptidylglycine alpha-hydroxylating m	2;3
Protein CutA	3
ATP-dependent RNA helicase DDX3Y;ATP-dependent RNA helicase DDX3X;Putative ATP-c	3
26S proteasome non-ATPase regulatory subunit 4	2;3
TRPM8 channel-associated factor 1	3

Caprin-1		3
Core histone macro-H2A.1	2;3	
Core histone macro-H2A.1	2;3;4	
Protein shisa-9		3
Acidic fibroblast growth factor intracellular-binding protein	2;3	
Inosine-5'-monophosphate dehydrogenase;Inosine-5'-monophosphate dehydrogenase 1	2;3	
Inosine-5'-monophosphate dehydrogenase 2	2;3;4	
Dystroglycan;Alpha-dystroglycan;Beta-dystroglycan	2;3	
CSC1-like protein 2		2
2',3'-cyclic-nucleotide 3'-phosphodiesterase		2
Josephin-1	2;3;4	
WD repeat-containing protein 35		3
Protein phosphatase 1G		3
Serine/threonine-protein phosphatase PP1-gamma catalytic subunit;Serine/threonine-pr	2;3	
Trafficking protein particle complex subunit 5		2
Core histone macro-H2A.2	2;3	
Core histone macro-H2A.2	3;4	
Metal transporter CNNM2;Metal transporter CNNM1		3
		3
Sn1-specific diacylglycerol lipase alpha		2
E3 ubiquitin-protein ligase NEDD4		3
Importin-5	2;3	
Pre-mRNA-processing factor 19		3
Peptidyl-tRNA hydrolase 2, mitochondrial		3
Endophilin-B2		2
Adenylosuccinate synthetase isozyme 2		3
Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	2;3	
Sprouty-related, EVH1 domain-containing protein 2		2
Glutathione S-transferase P 1	2;3	
Membralin		3
1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon		3
Serine/arginine-rich splicing factor 7		3
Synaptotagmin-7		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		3
Plexin-C1	3;4	
Nuclear pore complex protein Nup160		3
Mitochondrial import receptor subunit TOM70	2;3	
Chromobox protein homolog 5		3
Cysteine and glycine-rich protein 1		3
Peroxiredoxin-2	2;3	
Peroxiredoxin-1		3
Tripartite motif-containing protein 46		3
Ryanodine receptor 2		3
Leucyl-cystinyl aminopeptidase		3
Glucose-6-phosphate isomerase		3
Extended synaptotagmin-1		3
V-type proton ATPase subunit d 1		3
Elongation factor 2		3
Leucine-rich repeat-containing protein 16A		3
Tubulin beta-4A chain	2;3	

Tubulin beta-4A chain		2
Tubulin beta-6 chain		3
Tubulin beta-5 chain		3
Tubulin beta-5 chain		3
Tubulin beta-4B chain;Tubulin beta-2A chain;Tubulin beta-2B chain		2
Tubulin beta-4B chain;Tubulin beta-2A chain;Tubulin beta-2B chain	2;3	
Tubulin beta-3 chain	2;3	
Tubulin beta-3 chain	2;3	
Ras-related C3 botulinum toxin substrate 1;Ras-related C3 botulinum toxin substrate 2;R		3
Mitogen-activated protein kinase kinase kinase 12		3
Mitochondrial fission 1 protein		3
Sn1-specific diacylglycerol lipase beta	2;3	
Receptor expression-enhancing protein 2		3
Serine/threonine-protein kinase LMTK3	2;3	
26S proteasome non-ATPase regulatory subunit 7		3
Receptor expression-enhancing protein 1		3
2',3'-cyclic-nucleotide 3'-phosphodiesterase		3
Protein NDRG3	3;4	
1-acyl-sn-glycerol-3-phosphate acyltransferase delta		3
Kinesin-like protein;Kinesin-like protein KIF21A	2;3	
NF-kappa-B inhibitor-interacting Ras-like protein 1	2;3	
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 13		3
Kinesin-like protein;Kinesin-like protein KIF21B		3
Myelin proteolipid protein	2;3	
Synaptophysin		3
Nucleolin		3
ATP-binding cassette sub-family A member 3	2;3	
Beta-synuclein	2;3	
Band 4.1-like protein 2	2;3	
Rho guanine nucleotide exchange factor 2		4
Microtubule-associated protein 2		3
Leucine-rich repeat-containing protein 57		3
RING finger protein 44;E3 ubiquitin-protein ligase RNF38		2
Tyrosine-protein kinase receptor TYRO3		3
Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform		3
Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform		3
Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform		3
L-lactate dehydrogenase B chain	2;3	
L-lactate dehydrogenase B chain	2;3;4	
		3
Asparagine synthetase [glutamine-hydrolyzing]		3
Spectrin alpha chain, non-erythrocytic 1	2;3	
Epidermal growth factor receptor		3
Dihydropyrimidinase-related protein 2	2;3	
Dihydropyrimidinase-related protein 4		3
Dihydropyrimidinase-related protein 4		3
Spartin		3
T-complex protein 1 subunit eta		2
Receptor protein-tyrosine kinase;Fibroblast growth factor receptor;Fibroblast growth fac		3
Prolyl endopeptidase		4

NEDD8 ultimate buster 1	4
Sodium/calcium exchanger 1	3
Citrate synthase, mitochondrial;Citrate synthase	3
Neurofilament light polypeptide	2;3
ATP synthase subunit alpha, mitochondrial;ATP synthase subunit alpha	3
ATP-binding cassette sub-family A member 5	3
ATP-binding cassette sub-family A member 5	2;3
Band 4.1-like protein 1	4
Clathrin heavy chain 1;Clathrin heavy chain	3
Sn1-specific diacylglycerol lipase alpha	2;3
Dihydropyrimidinase-related protein 3	3
Dihydropyrimidinase-related protein 3	3
Dihydropyrimidinase-related protein 1	2;3;4
Dihydropyrimidinase-related protein 1	3
Abhydrolase domain-containing protein 16A	3
	2
Serine/threonine-protein kinase SIK3	2
Protein SZT2	3
Stress-induced-phosphoprotein 1	3
Synaptotagmin-11	3;4
Ubiquitin-associated and SH3 domain-containing protein B	3;4
Paternally-expressed gene 3 protein	3
Alpha-enolase;Enolase;Gamma-enolase	3
Chloride channel protein;Chloride transport protein 6	2;3
Disks large homolog 4	4
Mortality factor 4-like protein 1	3
Protein dopey-2	3
Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacti	2;3;4
TOM1-like protein 2	3
TOM1-like protein 2	3
TRPM8 channel-associated factor 1	2;3
60S acidic ribosomal protein P0	3
Ubiquitin-like modifier-activating enzyme 1	3;4
Neurobeachin	3
GTP-binding protein SAR1a	3
Dihydropyrimidinase-related protein 3	3;4
Ubiquilin-2	3
Solute carrier family 2, facilitated glucose transporter member 3	2
Solute carrier family 2, facilitated glucose transporter member 3	2;3
Tyrosine--tRNA ligase;Tyrosine--tRNA ligase, cytoplasmic;Tyrosine--tRNA ligase, cytoplasi	3
Immunoglobulin-like domain-containing receptor 2	3
	2
	3
CUGBP Elav-like family member 3	2
BTB/POZ domain-containing protein 1	3
Disks large homolog 2	4;5
Ankyrin repeat domain-containing protein 13D	3
Thioredoxin-related transmembrane protein 4	3
Pre-mRNA-processing-splicing factor 8	3
Solute carrier family 12 member 2	3

Disks large homolog 4;Disks large homolog 2;Disks large homolog 1	3;4	
Transporter;Sodium- and chloride-dependent creatine transporter 1		3
Membrane protein MLC1		3
Dihydropyrimidinase-related protein 1	3;4	
Serine/threonine-protein phosphatase 6 regulatory subunit 3		3
Brain-specific angiogenesis inhibitor 1	4;5	
Synaptotagmin-11	2;3	
Synaptotagmin-11		3
Solute carrier family 12 member 5	3;4	
Protein FAM131B		4
Neural cell adhesion molecule 1	3;4	
Clathrin heavy chain 1;Clathrin heavy chain		3
Clathrin heavy chain 1;Clathrin heavy chain		2
Synaptosomal-associated protein 47	2;3	
Testis-specific H1 histone		3
Ubiquitin carboxyl-terminal hydrolase isozyme L1	2;3	
Phosphatidylinositol 4-kinase type 2-alpha	2;3	
Clathrin heavy chain 1;Clathrin heavy chain	2;3	
Receptor expression-enhancing protein 2	2;3	
Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacti		4
ATP-dependent 6-phosphofructokinase, muscle type		3
Phosphatidylinositol 4-kinase type 2-alpha	2;3	
FERM, RhoGEF and pleckstrin domain-containing protein 1		3
ATP synthase subunit beta, mitochondrial		2
Protein arginine N-methyltransferase 8		3
Breast cancer anti-estrogen resistance protein 1		3
Heterochromatin protein 1-binding protein 3		3
Septin-7		2
Septin-7		3
Branched-chain-amino-acid aminotransferase;Branched-chain-amino-acid aminotransfer	3;4	
Glycolipid transfer protein		3
Synaptic vesicle glycoprotein 2C	2;3	
60S ribosomal protein L26		2
Chloride channel protein;Chloride transport protein 6	2;3	
E3 ubiquitin-protein ligase MIB1		3
Misshapen-like kinase 1		3
Microtubule-associated protein 6		3
Peptidyl-prolyl cis-trans isomerase FKBP1A	2;3;4	
Peptidyl-prolyl cis-trans isomerase FKBP1A		3
Prelamin-A/C;Lamin-A/C		3
Synaptopodin	2;3	
Synaptopodin	2;3	
Vasorin		3
Endophilin-A3		3
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	2;3;4	
cAMP-dependent protein kinase type II-alpha regulatory subunit;cAMP-dependent prote	2;3	
SUMO-activating enzyme subunit 1;SUMO-activating enzyme subunit 1, N-terminally pro	3;4	
Non-POU domain-containing octamer-binding protein		4
Non-specific serine/threonine protein kinase;Serine/threonine-protein kinase PAK 1		3
Cell adhesion molecule 3		3

Protein kinase C gamma type;Protein kinase C	2;3	
Dynactin subunit 1		3
Vacuolar protein sorting-associated protein 45		3
Ras-related protein Rab-6B;Ras-related protein Rab-6A		3
Ras-related protein Rab-6B;Ras-related protein Rab-6A	3;4	
Ras-related protein Rab-6B;Ras-related protein Rab-6A		3
Uncharacterized protein KIAA1107	3;4	
Protein RUFY3		3
Membrane-associated phosphatidylinositol transfer protein 1		3
CDP-diacylglycerol--inositol 3-phosphatidyltransferase		3
CDP-diacylglycerol--inositol 3-phosphatidyltransferase		2
Visinin-like protein 1		3
Protein kinase C gamma type		3
Secretory carrier-associated membrane protein 5	2;3	
Plexin domain-containing protein 2		3
Pyruvate kinase PKM	2;3	
Collagen type IV alpha-3-binding protein		3
Pecanex-like protein 3;Pecanex-like protein 1	2;3	
Glutamate receptor ionotropic, NMDA 2A	2;3	
Anion exchange protein;Sodium bicarbonate cotransporter 3	2;3	
Hexokinase-1;Hexokinase		3
Calcium/calmodulin-dependent protein kinase type II subunit beta		4
Casein kinase I isoform gamma-1;Casein kinase I isoform gamma-2;Casein kinase I isoform		3
Dymeclin		2
Protein NDRG4	3;4	
Dihydropyrimidinase-related protein 2	3;4	
Opalin	3;4;5	
Small integral membrane protein 14	2;3	
Epsin-2	3;4	
Exportin-7	2;3	
Proteasomal ubiquitin receptor ADRM1	2;3	
Baculoviral IAP repeat-containing protein 6	2;3	
E3 ubiquitin-protein ligase MARCH5	3;4	
Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A		3
GTP-binding protein Di-Ras1		3
Testis-expressed sequence 2 protein		2
Protein EFR3 homolog A	2;3	
Reticulon-1		3
GTP-binding protein SAR1b	2;3	
Nicotinamide phosphoribosyltransferase	2;3	
Eukaryotic translation initiation factor 3 subunit C		3
Hemoglobin subunit beta-1;Hemoglobin subunit beta-2	2;3;4;5	
cAMP-dependent protein kinase type II-beta regulatory subunit	2;3	
Transcription initiation factor IIB		3
Histone H1.2;Histone H1.4;Histone H1.3;Histone H1.5		3
Neuropilin and tolloid-like protein 1		4
Baculoviral IAP repeat-containing protein 6		3
Ras-related protein Rab-35		3
60S acidic ribosomal protein P0	2;3	
NEDD8-activating enzyme E1 regulatory subunit		2

Protein transport protein Sec23A	3
Neuron-specific protein family member 1	3
Heat shock protein HSP 90-alpha;Heat shock protein HSP 90-beta	2
Heat shock cognate 71 kDa protein	2;3
Sn1-specific diacylglycerol lipase alpha	2;3
Multiple epidermal growth factor-like domains protein 10	3
Histone H1.4;Histone H1.3;Histone H1.5	2
Glucose-fructose oxidoreductase domain-containing protein 1	3
Synaptic vesicle glycoprotein 2B	2;3
Synaptic vesicle glycoprotein 2B	4
Armadillo repeat protein deleted in velo-cardio-facial syndrome homolog	3
Cannabinoid receptor 1	2;3;4
Retinoic acid-induced protein 2	3;4
Annexin A6;Annexin	3
T-complex protein 1 subunit theta	2;3
Dihydropyrimidinase-related protein 2	3;4
Cell adhesion molecule 1	4
Cell adhesion molecule 3	3;4
Cell adhesion molecule 3	4;5
Cell adhesion molecule 3	3;4;5
Cell adhesion molecule 3	4
Cell adhesion molecule 2	3
Cell adhesion molecule 2	3;4
Cell adhesion molecule 2	4
Arylsulfatase J	2
Eukaryotic initiation factor 4A-II;Eukaryotic initiation factor 4A-II, N-terminally processed	2;3
Acid-sensing ion channel 1	2;3
ATPase WRNIP1	2
Synaptotagmin-4	2;3
Peroxiredoxin-6	3
Protein DDI1 homolog 2	3
Cytosolic 10-formyltetrahydrofolate dehydrogenase	2;3
Cullin-3	3
Alpha-actinin-4	3
Alpha-actinin-1;Alpha-actinin-2	2;3
Target of Myb protein 1	3
Tripeptidyl-peptidase 2	3
Gamma-enolase;Enolase	2;3
Histone H4	3
Potassium voltage-gated channel subfamily H member 1	3;4
Solute carrier family 22 member 23	3
Spectrin beta chain, non-erythrocytic 1	3;4
Pyruvate kinase PKM	3
ATP-binding cassette sub-family A member 1	2;3;4
Dystroglycan;Alpha-dystroglycan;Beta-dystroglycan	3
Chloride channel protein;Chloride transport protein 6	3
AP-3 complex subunit delta-1	3
Gephyrin;Molybdopterin adenylyltransferase;Molybdopterin molybdenumtransferase	4;5
ATP synthase subunit beta, mitochondrial	2;3
Alpha-enolase	3;4

Core histone macro-H2A.1	2;3;4	
MAGUK p55 subfamily member 2		3
Uncharacterized protein KIAA1109		3
4-aminobutyrate aminotransferase, mitochondrial		3
		3
Dihydropyrimidinase-related protein 4	3;4	
Gamma-aminobutyric acid receptor subunit alpha-2		3
FAS-associated factor 1	2;3	
TRPM8 channel-associated factor 1		4
Triosephosphate isomerase	2;3	
Myosin phosphatase Rho-interacting protein	2;3	
26S proteasome non-ATPase regulatory subunit 8		4
Gamma-aminobutyric acid receptor subunit alpha-1	2;3	
Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1		3
Voltage-dependent L-type calcium channel subunit beta-3;Voltage-dependent L-type cal		3
Heterogeneous nuclear ribonucleoprotein U		2
Junctional adhesion molecule B	2;3	
Voltage-dependent anion-selective channel protein 3	2;3	
Cysteine and glycine-rich protein 1		3
Tumor necrosis factor receptor superfamily member 19L		3
Malate dehydrogenase, mitochondrial		3
Pleckstrin homology-like domain family B member 1;Pleckstrin homology-like domain far		2
Latrophilin-3		3
Brain acid soluble protein 1	2;3	
Voltage-gated potassium channel subunit beta-2		2
Voltage-gated potassium channel subunit beta-3		2
Citrate synthase, mitochondrial		3
Proteasome subunit beta type-5		3
DnaJ homolog subfamily B member 12		2
RNA 3'-terminal phosphate cyclase		3
Heterogeneous nuclear ribonucleoprotein U	2;3;4	
Heterogeneous nuclear ribonucleoprotein U		3
Disks large-associated protein 4		3
E3 ubiquitin-protein ligase UBR3		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	2;3;4	
Apoptosis-resistant E3 ubiquitin protein ligase 1		3
Tripeptidyl-peptidase 2		3
DDB1- and CUL4-associated factor 6		3
Ankyrin-2		3
		3
Histone H2B type 1-C/E/G;Histone H2B type 1-H;Histone H2B type 1-F/J/L;Histone H2B t		2
Histone H2B type 1-C/E/G;Histone H2B type 1-H;Histone H2B type 1-F/J/L;Histone H2B t	3;4	
Neurabin-2		3
Disks large homolog 3;Disks large homolog 2;Disks large homolog 1	2;3	
Cytosolic acyl coenzyme A thioester hydrolase		4
Constitutive coactivator of PPAR-gamma-like protein 1		3
Pyridoxal-dependent decarboxylase domain-containing protein 1		4
Kinesin-like protein KIF1B		3
Kinesin-like protein;Kinesin-like protein KIF1A	3;4	
Synaptic vesicle glycoprotein 2A	3;4	

Synaptic vesicle glycoprotein 2A	2;3;4	
HRAS-like suppressor 3		3
Synaptotagmin-1		4
DNA repair protein SWI5 homolog		3
Beta-soluble NSF attachment protein	2;3	
Chondroitin sulfate proteoglycan 4		3
Ras-related protein Rab-39B	2;3	
Ras-related protein Rab-39B	2;3;4	
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		3
E3 ubiquitin-protein ligase HERC2		6
Cysteine and glycine-rich protein 1		5
E3 ubiquitin-protein ligase KCMF1	2;3;4	
Tetraspanin;Tetraspanin-7		3
T-complex protein 1 subunit theta		3
Creatine kinase B-type		3
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase delta		4
Cofilin-1	2;3;4	
Activin receptor type-2A		3
Pre-mRNA-splicing factor SYF1		3
Potassium voltage-gated channel subfamily H member 7	3;4	
Heterogeneous nuclear ribonucleoprotein K	3;4	
Receptor expression-enhancing protein;Receptor expression-enhancing protein 5		3
Unconventional myosin-Va		3
Valine--tRNA ligase	2;3	
Rho-related GTP-binding protein RhoB		3
Transforming protein RhoA;Rho-related GTP-binding protein RhoC	2;3	
Leucine zipper protein 1		3
Sodium-dependent neutral amino acid transporter SLC6A17		4
Acyl-protein thioesterase 1		3
2',3'-cyclic-nucleotide 3'-phosphodiesterase		3
Septin-4		3
Protein unc-80 homolog		3
Ras/Rap GTPase-activating protein SynGAP	3;4	
Glucose-6-phosphate isomerase	2;3	
Talin-2		3
Protein CLEC16A		3
Tyrosine-protein kinase receptor;NT-3 growth factor receptor;BDNF/NT-3 growth factors		3
Phosphoglycerate mutase 1	2;3	
E3 ubiquitin-protein ligase RNF149		4
Peroxiredoxin-1	3;4	
Peroxiredoxin-1	3;4;5	
Protein phosphatase 1 regulatory subunit 7		3
Creatine kinase B-type	4;5	
Endophilin-A2	3;4	
Spermine oxidase		3
Methionine--tRNA ligase, cytoplasmic		3
Ephrin type-B receptor 3	3;4	
RING finger protein 112		3
Glutamate receptor ionotropic, NMDA 2B	3;4	
Ras-related C3 botulinum toxin substrate 3		4

Ras-related C3 botulinum toxin substrate 1	2;3;4	
Next to BRCA1 gene 1 protein		3
Malic enzyme;NADP-dependent malic enzyme	2;3;4	
Rab5 GDP/GTP exchange factor		3
Fatty acid synthase;[Acyl-carrier-protein] S-acetyltransferase;[Acyl-carrier-protein] S-mal		3
Histidine triad nucleotide-binding protein 3		4
Voltage-gated potassium channel subunit beta-2		3
	3;4	
Protein FAM171B		3
Paternally-expressed gene 3 protein	3;4	
DENN domain-containing protein 5A		3
DENN domain-containing protein 5B		3
Spectrin alpha chain, non-erythrocytic 1		3
ARF GTPase-activating protein GIT1		3
Transient receptor potential cation channel subfamily M member 1		3
Histidine triad nucleotide-binding protein 1		4
Importin-5	2;3	
Heat shock protein HSP 90-alpha		3
		3
		3
Cell adhesion molecule 1		3
Cell adhesion molecule 2	2;3	
Poly(U)-binding-splicing factor PUF60		3
Syntaxin-binding protein 1	3;4	
Ankyrin-3	2;3;4	
Ankyrin-3		3
T-complex protein 1 subunit epsilon	2;3	
Glutamine-dependent NAD(+) synthetase		4
Cadherin-8		3
Junctional adhesion molecule C		2
Cytochrome c, somatic		4
Synaptotagmin-11		4
Serine/threonine-protein kinase mTOR		3
Cullin-9		3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	2;3	
Atlastin-2		3
Phosphatidylinositol 3-kinase;Phosphatidylinositol 3-kinase catalytic subunit type 3	2;3	
Leucine-rich repeat-containing protein 57	2;3;4	
Atlastin-3		4
Synaptopodin		2
Sacsin	2;3	
14-3-3 protein epsilon	2;3;4	
Moesin		3
		3
Phospholipase DDHD1		3
Sodium/potassium-transporting ATPase subunit alpha-1;Potassium-transporting ATPase		3
Vesicle-associated membrane protein 4		3
Protein FAM49A		3
Protein FAM49B	2;3	

Amyloid-like protein 2	4
Amyloid-like protein 2	3;4
Amyloid-like protein 2	4
Acidic leucine-rich nuclear phosphoprotein 32 family member A;Putative acidic leucine-ri	2;3
Synaptotagmin-11	3
Arginine--tRNA ligase, cytoplasmic	2
Protein GPR108	4
Protein GPR107	2;3;4
N-terminal EF-hand calcium-binding protein 1	3
m7GpppX diphosphatase	3
Amyloid beta A4 protein;N-APP;Soluble APP-alpha;Soluble APP-beta;C99;Beta-amyloid p	3
Amyloid beta A4 protein;N-APP;Soluble APP-alpha;Soluble APP-beta;C99;Beta-amyloid p	3;4
ATP-binding cassette sub-family A member 3	3
COP9 signalosome complex subunit 7a	3
Heterogeneous nuclear ribonucleoprotein U	3
Protein BHLHb9	3
Vacuolar protein sorting-associated protein 26B	3
Glutamate receptor ionotropic, NMDA 1	3;4
Cullin-3	4
V-type proton ATPase subunit E 1;V-type proton ATPase subunit E 2	3
Voltage-dependent P/Q-type calcium channel subunit alpha-1A	3
BTB/POZ domain-containing protein 9	4
Small G protein signaling modulator 1	3
Syntaxin-1B	3
26S proteasome non-ATPase regulatory subunit 14	3
Feline leukemia virus subgroup C receptor-related protein 1	3
Spectrin beta chain, non-erythrocytic 1	4
AP-1 complex subunit mu-1	3
WD repeat-containing protein mio	2;3;4
Transitional endoplasmic reticulum ATPase	3;4
High mobility group protein B1	3
Nucleolar transcription factor 1	3
Ubiquitin-conjugating enzyme E2 Z	3
Mucolipin-1	3
Dystonin	3
Casein kinase I isoform alpha	2;3
Pituitary adenylate cyclase-activating polypeptide type I receptor	4
Proline-rich transmembrane protein 2	3;4
Spermidine synthase	3
Band 4.1-like protein 1	3
60S ribosomal protein L6	4
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m	3
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m	3;4
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m	2;3;4
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m	4
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m	3;4;5
Beta-secretase 1	3;4
Spectrin beta chain, non-erythrocytic 1	3;4
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	2;3
Zinc finger ZZ-type and EF-hand domain-containing protein 1	3

Spectrin beta chain, non-erythrocytic 1;Spectrin beta chain, erythrocytic	4
Spectrin beta chain, non-erythrocytic 1	4
Alpha-actinin-2	3;4
Alpha-actinin-1	3;4
Alpha-actinin-4	4
Syntaxin-1A	2;3
Syntaxin-1A	4;5
Syntaxin-1A	4
Syntaxin-1A	3;4;5
Microtubule-associated protein 1S;MAP1S heavy chain;MAP1S light chain	3
Syntaxin-1A	3
Brain-specific angiogenesis inhibitor 2	4
Adenylate cyclase type 2	3
Potassium voltage-gated channel subfamily H member 1	3;4
NSFL1 cofactor p47	4
Peroxisomal biogenesis factor 3	3
U5 small nuclear ribonucleoprotein 200 kDa helicase	3;4
Heat shock protein HSP 90-alpha	3
Heat shock protein HSP 90-beta	3;4
Glutamate receptor ionotropic, NMDA 2B	3
Proteasome-associated protein ECM29 homolog	3
Cytosolic acyl coenzyme A thioester hydrolase	4
Solute carrier family 12 member 2	3
PC4 and SFRS1-interacting protein	3
	3;4
	4;5;6
Nectin-1	2;3
Inorganic pyrophosphatase	3
	3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	3;4
Plasma membrane calcium-transporting ATPase 1	2;3
Protein sprouty homolog 4	3
Coiled-coil domain-containing protein 50	3;4;5
Small ubiquitin-related modifier 2;Small ubiquitin-related modifier;Small ubiquitin-relate	3
Adenylyl cyclase-associated protein 2;Adenylyl cyclase-associated protein	3
Septin-5	3
Eukaryotic translation initiation factor 2 subunit 1	3;4
E3 ubiquitin-protein ligase MGRN1	3
ATPase family AAA domain-containing protein 1	3;4
Coronin-1A;Coronin	3
Coronin-1B;Coronin	3
	2;3
Superoxide dismutase [Cu-Zn]	2;4
Plastin-3	3
Traf2 and NCK-interacting protein kinase;Misshapen-like kinase 1	3
DNA damage-binding protein 1	3
E3 ubiquitin-protein ligase HUWE1	4
Fibroblast growth factor 12	3
Integrator complex subunit 9	4
Pecanex-like protein 3	3

Microtubule-associated protein 4;Microtubule-associated protein	3
Microtubule-associated protein;Microtubule-associated protein tau	3;4
Tetraspanin;Tetraspanin-2	3;4
Tetraspanin;Tetraspanin-2	3
Ras-related protein Rab-21	3;4;5
Protein zyg-11 homolog B	3
Homer protein homolog 1	3
60S ribosomal protein L7a	3
Rabphilin-3A	3
Echinoderm microtubule-associated protein-like 1	4
Glutamate decarboxylase 2	3
Phosphoglycerate mutase 2;Phosphoglycerate mutase 1	2;3
Cytoplasmic dynein 1 heavy chain 1	4
Mitogen-activated protein kinase 1	4
UHRF1-binding protein 1-like	4;5
Syntaxin-binding protein 1	2;3
Breast carcinoma-amplified sequence 3 homolog	2;3
Alpha/beta hydrolase domain-containing protein 17A	3
Alpha/beta hydrolase domain-containing protein 17C	3
Pyrroline-5-carboxylate reductase 3	2;3
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1	2;4
Reticulon-3	3
TBC1 domain family member 13	3
Neurensin-1	2;3
Neurensin-1	4
Clathrin light chain B	3
Small glutamine-rich tetratricopeptide repeat-containing protein alpha	2
Ubiquitin carboxyl-terminal hydrolase 10	4
	3
Syntaxin-1A	2;3
Plectin	3
Catenin alpha-2	3;4
Alpha-actinin-4	3;4
	3
Trafficking protein particle complex subunit 11	2;3
Integral membrane protein 2A	2;3
Ubiquitin-like modifier-activating enzyme 6	3
Neuralized-like protein 4	3
ATP-binding cassette sub-family A member 2	3
ADP/ATP translocase 1	3
Glycine receptor subunit beta	3
	3
	4
Leucine-rich repeat-containing protein 7	3
Serine/threonine-protein kinase Sgk1	3
	3
WD repeat domain phosphoinositide-interacting protein 3	2;3
26S protease regulatory subunit 7	3
Synaptic vesicle 2-related protein	3
Dihydropyrimidinase-related protein 3	3

Malic enzyme;NADP-dependent malic enzyme	2;3	
Small G protein signaling modulator 3		3
T-complex protein 1 subunit theta		3
E2/E3 hybrid ubiquitin-protein ligase UBE2O		3
Toll-interacting protein	3;4	
T-complex protein 1 subunit alpha		3
Transforming acidic coiled-coil-containing protein 1		3
Glycerol-3-phosphate dehydrogenase [NAD(+)];Glycerol-3-phosphate dehydrogenase [NADP(+)]	2;3	
F-actin-capping protein subunit alpha-2	2;3	
Protein HID1		3
Proteasome subunit beta type-1	2;3	
Platelet-activating factor acetylhydrolase IB subunit beta	3;4	
Non-lysosomal glucosylceramidase		3
Ubiquitin-conjugating enzyme E2 N	2;3	
Ubiquitin-conjugating enzyme E2 N	2;3;4	
Vesicle-fusing ATPase		3
Sorbin and SH3 domain-containing protein 1		3
Ubiquitin-like modifier-activating enzyme 6	2;3;4	
Spectrin alpha chain, non-erythrocytic 1	2;3	
Transforming growth factor-beta-induced protein ig-h3		3
T-complex protein 1 subunit alpha		4
UV excision repair protein RAD23 homolog B	3;4	
Plasma membrane calcium-transporting ATPase 1;Calcium-transporting ATPase	2;3	
Solute carrier family 12 member 2		3
Solute carrier family 12 member 2	2;3	
E3 ubiquitin-protein ligase MGRN1		3
Polypyrimidine tract-binding protein 2		3
Puromycin-sensitive aminopeptidase		3
Protein SET		3
Ankyrin repeat domain-containing protein 46		3
UV excision repair protein RAD23 homolog B	2;3	
Alpha-enolase;Enolase	2;3	
60S ribosomal protein L8		3
Rho GDP-dissociation inhibitor 1	2;3	
Rho GDP-dissociation inhibitor 1	2;3	
Hexokinase-1;Hexokinase		3
60S ribosomal protein L3		3
Ras-related protein Rab-23		3
Syntaxin-8	2;3	
DENN domain-containing protein 5B		3
Synaptojanin-1		3
Microtubule-associated protein 2;Microtubule-associated protein		3
Eukaryotic translation initiation factor 2 subunit 3, X-linked;Eukaryotic translation initiation factor 2 subunit 3		3
Nucleolar protein 6		3
Tropomodulin-1		3
Activin receptor type-1		2
Phosphomannomutase 1		3
Epidermal growth factor receptor substrate 15		3
26S protease regulatory subunit 7		3
Alpha-actinin-1		5

Dynamin-like 120 kDa protein, mitochondrial;Dynamin-like 120 kDa protein, form S1		4
COP9 signalosome complex subunit 2	2;3;4	
Thioredoxin-like protein 1	2;3	
Sodium channel protein		3
Reticulon-3	2;3	
Reticulon-3		3
Ribosomal protein S6 kinase delta-1		3
Prelamin-A/C;Lamin-A/C		3
Membrane transport protein XK		3
Guanine nucleotide-binding protein G(s) subunit alpha isoforms short;Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	2;3	
F-actin-capping protein subunit alpha-2;F-actin-capping protein subunit alpha-1	2;3	
Syntaxin-16	2;3	
Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial		2
Nucleosome assembly protein 1-like 5	3;4	
OTU domain-containing protein 5		4
Tyrosine-protein kinase receptor TYRO3		3
Ubiquitin-conjugating enzyme E2 variant 1		3
Proteasome activator complex subunit 2		3
Nascent polypeptide-associated complex subunit alpha;Nascent polypeptide-associated complex subunit alpha	2;3	
Gamma-adducin		3
RUN domain-containing protein 3B		3
Plasma membrane calcium-transporting ATPase 1	3;4	
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	3;4	
Necdin		3
Serine/threonine-protein kinase TAO3		3
Alpha-enolase	2;3	
Nuclear pore complex protein Nup85		3
Endophilin-B1	2;3	
Synaptosomal-associated protein 25	2;3	
Synaptosomal-associated protein 25	2;3	
Synaptosomal-associated protein 25		3
26S protease regulatory subunit 8		3
XK-related protein 4		3
60S ribosomal protein L4		4
Phosphomannomutase 1;Phosphomannomutase		3
PDZ domain-containing protein GIPC1	2;3	
Protein phosphatase 1 regulatory subunit 7		3
Neurofibromin		5
Ubiquitin-conjugating enzyme E2 L3		2
Frizzled-3	2;3	
Protein kinase C and casein kinase substrate in neurons protein 1		3
Spectrin beta chain, non-erythrocytic 1		3
Germ cell-specific gene 1-like protein		2
Calcium-transporting ATPase		3
GRAM domain-containing protein 4		3
Voltage-dependent L-type calcium channel subunit alpha-1C		3
PRA1 family protein 2		3
ATP-binding cassette sub-family A member 2	2;3	
	2;3	
Ankyrin-2	3;4	

Xaa-Pro aminopeptidase 1	2;3	
Anion exchange protein;Sodium-driven chloride bicarbonate exchanger;Electroneutral sc		4
TSC22 domain family protein 1		3
Neuromodulin	3;4	
Plasma membrane calcium-transporting ATPase 1;Calcium-transporting ATPase	2;3	
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	2;3	
Nischarin		3
Sorting nexin-2	2;3	
Lamin-B1	2;3	
Importin-11		3
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	2;3	
Vesicle-fusing ATPase		3
Apoptosis-inducing factor 3		3
60S ribosomal protein L18a		3
Protein IMPACT		3
Vesicle-fusing ATPase		3
Metabotropic glutamate receptor 3	3;4	
Eukaryotic translation initiation factor 2 subunit 2		3
ADP-ribosylation factor-like protein 6-interacting protein 1	2;3	
Adenylate cyclase type 1		2
Tripartite motif-containing protein 44	2;3	
Receptor tyrosine-protein kinase erbB-3		3
Mitochondrial Rho GTPase 1		3
Hippocalcin-like protein 4		4
Mitochondrial Rho GTPase 1	2;3	
Malate dehydrogenase, cytoplasmic		2
Adenylate cyclase type 1	2;3	
Adenylate cyclase type 1	3;4	
Uncharacterized protein KIAA0513	2;3	
Ribose-phosphate pyrophosphokinase 1	2;3;4	
LisH domain and HEAT repeat-containing protein KIAA1468	2;3;4	
Solute carrier family 12 member 5;Solute carrier family 12 member 4	2;3	
Solute carrier family 12 member 5;Solute carrier family 12 member 4		3
Retinal dehydrogenase 1		3
Cytoplasmic dynein 1 heavy chain 1		3
Heterogeneous nuclear ribonucleoprotein A3		3
Heterogeneous nuclear ribonucleoprotein A/B	2;3	
Heterogeneous nuclear ribonucleoprotein D0	2;3	
Voltage-gated potassium channel subunit beta-2		3
Dextrin	2;3	
Urea transporter 1		2
Alpha-enolase;Enolase	2;3	
Transforming protein RhoA	2;3	
Hydroxyacylglutathione hydrolase, mitochondrial		3
Phospholipase A-2-activating protein		3
Serine/threonine-protein kinase LMTK3		3
Flotillin-2		3
CAP-Gly domain-containing linker protein 2		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5		3
Cullin-associated NEDD8-dissociated protein 1		3

Tumor suppressor candidate 3	2;3	
Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform;Serine/threonin	2;3	
Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform;Serine/threonin		3
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	2;3	
Dystonin	3;4	
Synaptotagmin-1		2
RING finger protein 11		4
Pre-mRNA-processing-splicing factor 8		3
E3 ubiquitin-protein ligase HERC2	3;4	
Carbonic anhydrase 2		4
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform		3
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	3;4	
Putative glycerol kinase 5		3
Chloride channel protein;H(+)/Cl(-) exchange transporter 7		4
Microtubule-associated protein;Microtubule-associated protein tau	3;4	
Protein mago nashi homolog 2;Protein mago nashi homolog	2;3	
Sorting nexin-6;Sorting nexin-6, N-terminally processed		3
Microtubule-associated protein;Microtubule-associated protein tau	3;4	
Voltage-gated potassium channel subunit beta-3		3
Ephrin type-B receptor 3;Receptor protein-tyrosine kinase;Ephrin type-B receptor 4;Ephr		3
Spectrin beta chain, non-erythrocytic 1;Spectrin beta chain, erythrocytic	2;3;4	
Clathrin heavy chain 1;Clathrin heavy chain	3;4;5	
SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D		3
Ubiquitin-conjugating enzyme E2 D2		3
Metaxin-1	2;3;4	
Platelet-derived growth factor receptor alpha	3;4	
Synaptotagmin-1;Synaptotagmin-2		3
Acetyl-CoA acetyltransferase, mitochondrial		3
Eukaryotic translation initiation factor 4 gamma 1		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		3
Core histone macro-H2A.2	2;3	
Splicing factor 3B subunit 3		3
Proteasome subunit alpha type-1		3
Alpha-1B adrenergic receptor		3
Kinesin-like protein;Kinesin-like protein KIF1A;Kinesin-like protein KIF1C;Kinesin-like prot	2;3	
26S proteasome non-ATPase regulatory subunit 4	2;3	
Excitatory amino acid transporter 2;Amino acid transporter	2;3	
Protein asunder homolog	3;4	
Disks large homolog 2	2;3	
Multidrug resistance protein 1A		5
Oligoribonuclease, mitochondrial		2
Zinc finger CCCH domain-containing protein 15	2;3	
Disks large homolog 4		2
Disks large homolog 3		2
Disks large homolog 4		2
Ras-related protein Rab-14	2;3	
Adenylate kinase isoenzyme 1		3
Cytosolic phospholipase A2 epsilon		2
Guanine nucleotide-binding protein G(i) subunit alpha-1	3;4	
Guanine nucleotide-binding protein G(o) subunit alpha	2;3;4	

Guanine nucleotide-binding protein G(o) subunit alpha	3;4;5	
Guanine nucleotide-binding protein subunit alpha-11		3
Rab3 GTPase-activating protein catalytic subunit		3
NEDD8-activating enzyme E1 regulatory subunit	3;4;5	
Asparagine--tRNA ligase, cytoplasmic	2;3	
Band 4.1-like protein 1		3
Protein arginine N-methyltransferase 8	2;3;4	
3-phosphoinositide-dependent protein kinase 1		3
Heterogeneous nuclear ribonucleoprotein K	2;3	
EH domain-containing protein 4		4
26S protease regulatory subunit 7		3
Heat shock-related 70 kDa protein 2;Heat shock cognate 71 kDa protein	2;3	
Heat shock cognate 71 kDa protein		4
Calcium/calmodulin-dependent protein kinase type II subunit delta;Calcium/calmodulin-		3
Ras-related protein Rab-4A	2;3	
Heterogeneous nuclear ribonucleoprotein K		4
Vesicle-associated membrane protein-associated protein B		3
Microtubule-associated protein RP/EB family member 3		3
High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A		3
Sodium/potassium-transporting ATPase subunit alpha-3	3;4	
Sodium/potassium-transporting ATPase subunit alpha-1		3
Pyruvate kinase PKM	2;3;4	
TOM1-like protein 2	2;3	
Sodium/potassium-transporting ATPase subunit alpha-2	3;4	
14-3-3 protein epsilon	2;3	
14-3-3 protein epsilon		4
14-3-3 protein epsilon		4
T-complex protein 1 subunit zeta		3
CLIP-associating protein 1		3
Guanine nucleotide-binding protein subunit beta-2-like 1;Guanine nucleotide-binding pr	2;3	
Sn1-specific diacylglycerol lipase alpha		3
Glutamate receptor ionotropic, NMDA 1		3
Guanylate cyclase soluble subunit beta-1	2;3	
Regulator of G-protein signaling 20		3
TBC1 domain family member 15	3;4	
Triosephosphate isomerase		4
Proteasome subunit alpha type-3		3
Ryanodine receptor 2		3
NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial		3
1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon		3
Protein FAM81A		3
Protein FAM81A		3
LanC-like protein 2	2;3	
Acidic leucine-rich nuclear phosphoprotein 32 family member A		3
Acidic leucine-rich nuclear phosphoprotein 32 family member E		3
26S protease regulatory subunit 4	2;3	
Interferon-induced transmembrane protein 3		3
Heat shock 70 kDa protein 4		2
Titin		3
Ubiquitin thioesterase otulin		3

Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	2;3	
Plakophilin-4	2;3	
F-actin-capping protein subunit beta		4
High mobility group protein B1	2;3;4	
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase delta	3;5	
Vesicle-associated membrane protein 4		3
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m	2;3	
Adenylate cyclase type 5;Adenylate cyclase type 6		3
Gamma-aminobutyric acid receptor subunit beta-3		3
Fragile X mental retardation protein 1 homolog		3
Rab GDP dissociation inhibitor beta;Rab GDP dissociation inhibitor alpha	2;3	
Palmitoyltransferase ZDHHC9		3
Sideroflexin-5;Sideroflexin		3
Ankyrin-2		4
		2
Ubiquitin carboxyl-terminal hydrolase isozyme L3;Ubiquitin carboxyl-terminal hydrolase i		3
Ephexin-1		3
Receptor-type tyrosine-protein phosphatase S	3;4	
4F2 cell-surface antigen heavy chain	2;3	
Cold shock domain-containing protein E1		3
Sorting nexin-4	2;3	
Amyloid beta A4 precursor protein-binding family A member 2		4
V-type proton ATPase subunit E 1;V-type proton ATPase subunit E 2	2;3	
Heat shock protein 105 kDa		3
Reticulon-1	2;3	
ATP-dependent RNA helicase A	2;3	
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet	2;3	
Vesicular glutamate transporter 2	2;3	
Disks large homolog 4		4
Diacylglycerol kinase		3
Protein FAM81A	3;4	
Dyslexia-associated protein KIAA0319-like protein		3
Cytoplasmic dynein 1 heavy chain 1		3
Sodium channel protein	2;3	
Heat shock cognate 71 kDa protein		3
Nuclear pore complex protein Nup160		3
Porphobilinogen deaminase	2;3	
Transaldolase		3
Exocyst complex component 6		2
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2		3
Tubulin polyglutamylase complex subunit 2		3
Branched-chain-amino-acid aminotransferase;Branched-chain-amino-acid aminotransfer	2;3	
Nicotinamide/nicotinic acid mononucleotide adenyllyltransferase 2;Nicotinamide-nucleot	2;3	
Elongation factor 1-gamma		3
Ankyrin-2		3
Coatomer subunit gamma-2		3
Coatomer subunit gamma-1	3;4	
Traf2 and NCK-interacting protein kinase;Mitogen-activated protein kinase kinase kinase		3
T-complex protein 1 subunit beta		3
Alpha-adducin	2;3	

Glucose 1,6-bisphosphate synthase	2
Proliferating cell nuclear antigen	3
Ubiquilin-4	3
Ubiquilin-2	4;5
Ubiquilin-1	3;4;5;6
Epidermal growth factor receptor	2
T-complex protein 1 subunit beta	3;4
60S ribosomal protein L4	2;3
Striatin-interacting protein 1;Striatin-interacting proteins 2	2;3
Vimentin	2;3
Glucose-6-phosphate isomerase	3
Glucose-6-phosphate isomerase	3
E3 ubiquitin-protein ligase UBR3	2;3
Heterogeneous nuclear ribonucleoprotein K	2;3
E3 ubiquitin-protein ligase ARIH1	2;3;4
E3 ubiquitin-protein ligase ARIH1	4
E3 ubiquitin-protein ligase ARIH1	2;3;4;5
Actin-related protein 2	2;3
Actin-related protein 2	3
Membrane-associated progesterone receptor component 1	3
ADP-ribosylation factor 4;ADP-ribosylation factor 1;ADP-ribosylation factor 3;ADP-ribosyl	3
Calcium-transporting ATPase	2;3
Proteasome subunit alpha type-7	2;3
Proteasome subunit alpha type-7	4;5
Integrator complex subunit 7	3
Acetyl-CoA carboxylase 1;Biotin carboxylase	3
	3
Sodium/hydrogen exchanger 1	3
Breast carcinoma-amplified sequence 3 homolog	3
Leucine-rich repeat-containing protein 40	3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	3
Plasma membrane calcium-transporting ATPase 1	3
CUE domain-containing protein 1	4
Microtubule-associated protein RP/EB family member 1	2
	2
Transforming growth factor-beta receptor-associated protein 1	3
ELAV-like protein 1	3
Sorbin and SH3 domain-containing protein 2	2;3
Plasma membrane calcium-transporting ATPase 1	3;4
UV excision repair protein RAD23 homolog B	2;3
UV excision repair protein RAD23 homolog A	2;3;4
Kinectin	2
26S proteasome non-ATPase regulatory subunit 4	2;3
Spectrin beta chain, non-erythrocytic 1	3
	3
Alpha-internexin	2;3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA	3;4
V-type proton ATPase subunit H	3;4
BAG family molecular chaperone regulator 5	2;3
Sorbin and SH3 domain-containing protein 2	3

C-Maf-inducing protein	2
AP-2 complex subunit alpha-1	3
AP-2 complex subunit alpha-2	3
Metalloreductase STEAP3	3;5
Ras-related protein Rab-33B	3
Guanine nucleotide-binding protein subunit alpha-11	2;3
Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform	3
	4
Cleavage stimulation factor subunit 2 tau variant	3;4
Sodium/potassium-transporting ATPase subunit alpha-2	3
Sodium/potassium-transporting ATPase subunit alpha-2	2;3
Sodium/potassium-transporting ATPase subunit alpha-2	2;3
Disks large homolog 1	2
Band 4.1-like protein 1	3
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	2;3
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	2;3
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	2;3
Syntaxin-binding protein 1	2
Hexokinase-1;Hexokinase	2;3
Hexokinase-1;Hexokinase	3
60S ribosomal protein L4	3
	3
	3
Sodium-coupled neutral amino acid transporter 3	3
Smith-Magenis syndrome chromosomal region candidate gene 8 protein homolog	3
Flotillin-2	3
Guanine nucleotide-binding protein subunit alpha-11	2;3
Nucleosome assembly protein 1-like 4	2;3
Disheveled-associated activator of morphogenesis 2	3
Dephospho-CoA kinase domain-containing protein	3
Protein SOGA3	2
Disks large homolog 2	3;4
Sodium channel protein	3
Ubiquitin carboxyl-terminal hydrolase 33	4
Ubiquitin carboxyl-terminal hydrolase 33	3
AP-2 complex subunit alpha-1;AP-2 complex subunit alpha-2	2;3
Ubiquitin-conjugating enzyme E2 D3	2;3
60S ribosomal protein L10;60S ribosomal protein L10-like	3
	3
Protein fem-1 homolog B	4
RING finger protein 141	3
Beta-adducin	3
Aspartate aminotransferase, cytoplasmic	4
Ribose-phosphate pyrophosphokinase 1	3
Tyrosine-protein kinase;Tyrosine-protein kinase JAK1	3
Dual specificity mitogen-activated protein kinase kinase 6	2
Adenylate cyclase type 9	3
Brain-enriched guanylate kinase-associated protein	3
Receptor-type tyrosine-protein phosphatase beta	3;4
Septin-5	3;4

KIF1-binding protein		3
Tubulin beta-2A chain		3
Tubulin beta-4B chain		3
Tubulin beta-2B chain		3
SEC14-like protein 2		3
Tripeptidyl-peptidase 2	3;4	
Splicing factor 3A subunit 1		3
Zinc finger MYM-type protein 2		3
Heat shock 70 kDa protein 4L	2;3	
SH3-containing GRB2-like protein 3-interacting protein 1		3
Rap guanine nucleotide exchange factor 4	3;4	
Disintegrin and metalloproteinase domain-containing protein 22	3;4	
Neurobeachin		4
Plexin-D1	2;3	
Lysosomal-associated transmembrane protein 4A		2
Dual specificity mitogen-activated protein kinase kinase 1	2;3	
E3 ubiquitin-protein ligase HERC2		3
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet	2;3	
Septin-9		2
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1		3
1-acyl-sn-glycerol-3-phosphate acyltransferase delta	3;4	
Prolyl endopeptidase		3
Astrotactin-2		3
Potassium voltage-gated channel subfamily H member 7		3
Sodium/hydrogen exchanger 1	3;4	
Pannexin-1		2
Vacuolar protein sorting-associated protein 35		3
BDNF/NT-3 growth factors receptor	3;4	
BDNF/NT-3 growth factors receptor	4;5	
Pre-mRNA-splicing factor 38B		3
Protein ELFN1		3
Protein furry homolog	2;3	
E3 ubiquitin-protein ligase RNF126		4
Pericentriolar material 1 protein		3
Rho-related GTP-binding protein RhoB	2;3	
Eukaryotic translation initiation factor 3 subunit F		3
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 2;3		
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 3;4;5		
V-type proton ATPase 116 kDa subunit a isoform 2	3;4	
Chondroitin sulfate proteoglycan 5		2
Malate dehydrogenase, mitochondrial		2
Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform		3
Plasma membrane calcium-transporting ATPase 1	2;3	
Translocation protein SEC62		3
Flotillin-1		3
DmX-like protein 2		4
Tyrosine-protein phosphatase non-receptor type 9		3
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1		3
Muscarinic acetylcholine receptor M4		3

Ubiquitin-conjugating enzyme E2 E2;Ubiquitin-conjugating enzyme E2 E3	3
Heat shock-related 70 kDa protein 2;Heat shock cognate 71 kDa protein	2;3
Interferon-activable protein 203	4
	2;3
Gamma-aminobutyric acid receptor-associated protein-like 2	3
Neurobeachin	3
Spartin	3
CB1 cannabinoid receptor-interacting protein 1	3
Far upstream element-binding protein 2	3
Pre-mRNA-processing factor 6	3
UTP--glucose-1-phosphate uridylyltransferase	3
F-box only protein 22	3
Charged multivesicular body protein 2a	3
Phosphoinositide phospholipase C	2
Calcium-transporting ATPase	3
Calcium-transporting ATPase	3
G-protein coupled receptor-associated sorting protein 2	3;4
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2;Plasma n	3;4
	3
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet	2;3
SWI/SNF complex subunit SMARCC2	3
Enoyl-CoA hydratase, mitochondrial	3
Beta-adrenergic receptor kinase 1;Beta-adrenergic receptor kinase 2	2;3
Spectrin beta chain, erythrocytic	3
Splicing factor, proline- and glutamine-rich	3
Astrocytic phosphoprotein PEA-15	2;3
Anion exchange protein;Electrogenic sodium bicarbonate cotransporter 1	3;4
Kinesin-like protein;Kinesin-like protein KIF1A	3;4
Serine protease inhibitor A3K;Serine protease inhibitor A3M	3
Calcineurin subunit B type 1	4
Huntingtin-interacting protein 1-related protein	3;4;5
Kinesin heavy chain isoform 5C;Kinesin heavy chain isoform 5A;Kinesin-1 heavy chain	3
Integral membrane protein 2C;CT-BRI3	2;3
Integral membrane protein 2C;CT-BRI3	2;3;4
Integral membrane protein 2C;CT-BRI3	2;3;4
Integral membrane protein 2C;CT-BRI3	3;4;5
Integral membrane protein 2C;CT-BRI3	4;5
Myelin-associated glycoprotein	2
	3;4
	4
	3
Protein argonaute-1;Protein argonaute-4;Protein argonaute-3	3
Calcium-dependent secretion activator 1	2;3
Host cell factor 1;HCF N-terminal chain 1;HCF N-terminal chain 2;HCF N-terminal chain 3;	3
BTB/POZ domain-containing protein KCTD16	3
Endophilin-A3	2
Adenylate cyclase type 2	3
Synapse-associated protein 1	3
Vacuolar protein sorting-associated protein 51 homolog	3
Palmitoyltransferase;Palmitoyltransferase ZDHHC13	2

Brain-specific angiogenesis inhibitor 3		3
Disks large-associated protein 1	3;4	3
Probable global transcription activator SNF2L2		3
Synaptic vesicle membrane protein VAT-1 homolog		3
Syntaxin-12	2;3	
Signal recognition particle subunit SRP72		3
Volume-regulated anion channel subunit LRRC8D		3
Calmodulin-regulated spectrin-associated protein 1		3
		3
Syntaxin-7	2;3	
UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit	2;3	
UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit		3
Signal recognition particle 14 kDa protein;Signal recognition particle 14 kDa protein, N-te	2;3	
Rabphilin-3A	3;4	
Dihydropyrimidinase-related protein 2		3
Tubulin beta-3 chain	2;3;4	
Tubulin beta-5 chain	2;3	
Calcium/calmodulin-dependent protein kinase type II subunit alpha	2;3;4	
Phosphatidylinositol-binding clathrin assembly protein		3
Septin-9		3
CaM kinase-like vesicle-associated protein	3;4	
Calcium/calmodulin-dependent protein kinase type II subunit beta	3;4	
Spectrin alpha chain, non-erythrocytic 1	3;4	
Thioredoxin domain-containing protein 17		3
Lupus La protein homolog	2;3	
Protein kinase C gamma type;Protein kinase C	2;3	
Ral GTPase-activating protein subunit beta		2
BRCA1-A complex subunit BRE		3
Gamma-aminobutyric acid type B receptor subunit 2		3
Gamma-aminobutyric acid type B receptor subunit 2	3;4	
ATP-binding cassette sub-family D member 3	3;4	
WD repeat-containing protein 44		3
ELAV-like protein;ELAV-like protein 4;ELAV-like protein 2		3
ELAV-like protein 3		3
Alsin		4
Heat shock-related 70 kDa protein 2;Heat shock cognate 71 kDa protein;Heat shock 70 kDa	2;3	
Uncharacterized protein C17orf80 homolog		2
Spectrin alpha chain, non-erythrocytic 1	2;3	
Exportin-7		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	2;3	
Pyruvate kinase PKM		3
V-type proton ATPase catalytic subunit A	2;3	
Actin-binding protein anillin		3
Phosphoglycerate kinase 1	2;3	
VPS10 domain-containing receptor SorCS3		3
Flotillin-1		3
Flotillin-1		3
		2

Matrin-3	3
Malate dehydrogenase, mitochondrial	2
Protein RUFY3	3
Guanine nucleotide-binding protein G(i) subunit alpha-2	3
Translin-associated protein X	3
Eukaryotic translation initiation factor 3 subunit I	4
Neurofilament medium polypeptide	2;3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	3
Syntenin-1	3
Kalirin	3
Vacuolar protein sorting-associated protein 8 homolog	3
60S ribosomal protein L12	2;3
Mannose-6-phosphate isomerase	3
Aspartate aminotransferase, cytoplasmic	2;3
L-lactate dehydrogenase B chain;L-lactate dehydrogenase	3
E3 ubiquitin-protein ligase HUWE1	3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	2;3
Cleavage stimulation factor subunit 2	4
Sodium/potassium-transporting ATPase subunit alpha-1	3;4
Protein dpy-30 homolog	3
	3
Zinc finger MYM-type protein 3	2;3
Dihydropyrimidinase-related protein 1	2;3
Dihydropyrimidinase-related protein 1	2;3
Guanine deaminase	2;3
26S proteasome non-ATPase regulatory subunit 7	3;4
AP-2 complex subunit mu	2
AP-2 complex subunit mu	3
Heterogeneous nuclear ribonucleoprotein A1;Heterogeneous nuclear ribonucleoprotein	4
7b	3
Serine/threonine-protein kinase mTOR	4
40S ribosomal protein S7	4
40S ribosomal protein S7	4
40S ribosomal protein S7	5
60S ribosomal protein L24	3
cAMP-dependent protein kinase type II-alpha regulatory subunit	3
Histone-lysine N-methyltransferase setd3	3
Heterogeneous nuclear ribonucleoproteins A2/B1	4;5
Vacuolar protein sorting-associated protein 13A	3
E3 ubiquitin-protein ligase HUWE1	3
Inward rectifier potassium channel 16	3;4
Adenylate kinase isoenzyme 1	4
Metal transporter CNNM2	4
Autophagy-related protein 9A	3
Microtubule-associated protein 2;Microtubule-associated protein	2;3
Dihydropyrimidinase-related protein 3	2;3;4
Dihydropyrimidinase-related protein 3	3;4
Ras-related protein Rab-11B	3
Ras-related protein Rab-11A	2;3
Transitional endoplasmic reticulum ATPase	3

Transitional endoplasmic reticulum ATPase	2;3	
L-lactate dehydrogenase;L-lactate dehydrogenase A chain	2;3	
Fructose-bisphosphate aldolase C		3
Fructose-bisphosphate aldolase C	2;3	
Phosphoglucomutase-1	3;4	
Transmembrane protein 33		3
DNA damage-binding protein 1	2;3	
Heterogeneous nuclear ribonucleoprotein A3	3;4	
Carboxypeptidase E	3;4	
Pleiotropic regulator 1		3
	2;3;4	
Peroxisomal targeting signal 2 receptor	2;3	
Coronin-2B;Coronin		3
Ribosome biogenesis protein WDR12		4
Synaptojanin-1	2;3	
Neuron-specific calcium-binding protein hippocalcin;Hippocalcin-like protein 1		3
Histone-arginine methyltransferase CARM1		4
DCC-interacting protein 13-alpha		4
Calcium permeable stress-gated cation channel 1		4
Septin-7	2;3	
Septin-7	3;4	
Septin-7		3
Serine/threonine-protein phosphatase PP1-gamma catalytic subunit;Serine/threonine-pr	2;3	
Neurocalcin-delta		4
Ethanolamine kinase 1	3;4	
Ubiquitin-conjugating enzyme E2 E2;Ubiquitin-conjugating enzyme E2 E3;Ubiquitin-conju	3;4	
Phosphatidylinositol transfer protein alpha isoform	2;3;4	
Ubiquitin-conjugating enzyme E2 L3		3
Ubiquitin-conjugating enzyme E2 L3		4
Ubiquitin-conjugating enzyme E2 N	2;3	
Reticulon-4;Reticulon	2;3	
60S ribosomal protein L3	2;3	
Reticulon-1;Reticulon	2;3	
TRPM8 channel-associated factor 1		3
Synaptotagmin-7		3
Glycine--tRNA ligase	2;3	
Phosphatidylinositol 4-kinase type 2-alpha		3
CTP synthase 2		3
Ras-related protein Rab-14	3;4	
CTP synthase 1	2;3	
Ubiquitin-conjugating enzyme E2 variant 1	2;3	
Ubiquitin-conjugating enzyme E2 variant 2	2;3	
Pyruvate kinase PKM		3
	2;3;4	
Septin-11		3
Septin-11		4
CUGBP Elav-like family member 2	2;3	
CUGBP Elav-like family member 1		3
Redox-regulatory protein FAM213A	2;3	
Septin-8		4

Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	2;3;4	
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	2;3;4	
26S protease regulatory subunit 7		3
	2;3	
Guanine nucleotide-binding protein subunit beta-4	2;3	
Sodium/potassium-transporting ATPase subunit alpha-2	2;3	
Sodium/potassium-transporting ATPase subunit alpha-3		3
Sodium/potassium-transporting ATPase subunit alpha-3	2;3	
Sodium/potassium-transporting ATPase subunit alpha-1	2;3	
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2;Plasma n		3
40S ribosomal protein S10	2;3	
		3
Brain acid soluble protein 1	3;4	
Hepatocyte growth factor-regulated tyrosine kinase substrate	3;4	
Uncharacterized protein C16orf45 homolog		3
Transitional endoplasmic reticulum ATPase		3
Sodium- and chloride-dependent GABA transporter 1		3
Calbindin		2
Microtubule-associated protein 6		3
Atlastin-1	2;3	
2',3'-cyclic-nucleotide 3'-phosphodiesterase		3
2',3'-cyclic-nucleotide 3'-phosphodiesterase	3;4;5	
Histone H1.2;Histone H1t;Histone H1.4;Histone H1.3		3
Glycerophosphodiester phosphodiesterase domain-containing protein 1		3
E3 ubiquitin-protein ligase NEURL1		3
N(G),N(G)-dimethylarginine dimethylaminohydrolase 2		3
Sodium channel protein;Sodium channel protein type 8 subunit alpha		4
V-type proton ATPase subunit a;V-type proton ATPase 116 kDa subunit a isoform 1		3
Radixin;Moesin;Ezrin		2
Anion exchange protein;Sodium-driven chloride bicarbonate exchanger		3
Protein BUD31 homolog		3
GRIP1-associated protein 1		3
Spectrin alpha chain, non-erythrocytic 1		3
Histone H1.2;Histone H1.3	2;3	
Histone H1.2;Histone H1.3		3
Ankyrin repeat domain-containing protein 33B		3
Sodium/potassium/calcium exchanger 3		4
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-4	2;3;4	
Dynein light chain 2, cytoplasmic		4
Protein transport protein Sec31A		3
Synaptosomal-associated protein 25	2;3	
Transketolase		2
Copine-9		3
Heat shock protein HSP 90-beta		4
Heat shock protein HSP 90-alpha		3
Calcium-dependent secretion activator 1		3
Triosephosphate isomerase		3
Zinc finger protein 330	3;4	
Tripartite motif-containing protein 44		3
LMBR1 domain-containing protein 2		3

Transportin-2	2;3	
Transportin-1	2;3	
Protein lifeguard 2		3
KH domain-containing, RNA-binding, signal transduction-associated protein 1	3;4	
KH domain-containing, RNA-binding, signal transduction-associated protein 1		4
Alpha-actinin-4	3;4	
Ankyrin-3		4
Ankyrin-2	3;4	
Gamma-glutamyltransferase 7;Gamma-glutamyltransferase 7 heavy chain;Gamma-gluta		2
Gamma-glutamyltransferase 7;Gamma-glutamyltransferase 7 heavy chain;Gamma-gluta	3;4	
Gamma-glutamyltransferase 7;Gamma-glutamyltransferase 7 heavy chain;Gamma-gluta	3;4	
Syndecan-3		3
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc	3;4	
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc	3;4	
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc	3;4;5	
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc	4;5	
ATP-binding cassette sub-family E member 1	3;4	
Microtubule-associated protein 2		3
Nucleosome assembly protein 1-like 5	2;3	
Nucleosome assembly protein 1-like 5	2;3;4	
Nucleosome assembly protein 1-like 5	2;3;4	
Nucleosome assembly protein 1-like 5		3
Elongation factor 1-alpha 1	3;4;5	
Catenin delta-2		4
SUMO-conjugating enzyme UBC9		3
Semaphorin-6B		3
Solute carrier family 12 member 6		3
Platelet-derived growth factor receptor alpha		3
	2;3;4	
Solute carrier family 12 member 5	2;3;4	
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, cytoplasmic 2;Ac		3
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, cytoplasmic 2;Ac		3
Sodium channel protein		4
	2;3	
Tyrosine-protein kinase Lyn		4
Glutamine synthetase	2;4	
Glutamine synthetase	2;4	
Phytanoyl-CoA hydroxylase-interacting protein-like;Phytanoyl-CoA hydroxylase-interactir	2;4	
Synaptic vesicle glycoprotein 2A	3;4	
Sodium channel protein	2;3	
SH3 and multiple ankyrin repeat domains protein 1		3
Gephyrin;Molybdopterin adenylyltransferase;Molybdopterin molybdenumtransferase		3
Clathrin heavy chain 1;Clathrin heavy chain		3
Guanine nucleotide-binding protein G(i) subunit alpha-1;Guanine nucleotide-binding pro		3
Protein kinase C gamma type;Protein kinase C	3;4	
ATP-binding cassette sub-family A member 2	2;3	
Chloride channel protein;Chloride transport protein 6		3
N-terminal EF-hand calcium-binding protein 1		3
14-3-3 protein epsilon	2;3	
Importin subunit alpha-5;Importin subunit alpha-5, N-terminally processed	2;3	

Importin subunit alpha-5;Importin subunit alpha-5, N-terminally processed;Importin subunit alpha-5	2
Platelet-activating factor acetylhydrolase IB subunit alpha	3;4
Tubulin beta-4B chain;Tubulin beta-5 chain;Tubulin beta-4A chain	3;4
40S ribosomal protein S15	4
Guanylate cyclase soluble subunit beta-1	2;3
Protein furry homolog	2
Tubulin beta-3 chain	4
Sodium channel subunit beta-4	3
Protein transport protein Sec31A	3
Ribosome maturation protein SBDS	3
Cofilin-1	2;3;4
Cofilin-2	3;4
Elongation factor 2	3;4
Gamma-aminobutyric acid type B receptor subunit 2	3;4
Solute carrier family 2, facilitated glucose transporter member 3	3
Signal transducing adapter molecule 1	4
Gap junction alpha-1 protein	2;3;4
Gap junction alpha-1 protein	4
Gap junction alpha-1 protein	3
Vesicular glutamate transporter 2	3
Ribosomal protein L19;60S ribosomal protein L19	2
Ribosomal protein L19;60S ribosomal protein L19	3
Ribosomal protein L19;60S ribosomal protein L19	3;4
Destrin	2;3;4
Destrin	4
SLIT and NTRK-like protein 2	3
Trafficking protein particle complex subunit 13	2;3
Ras-related protein Rab-9A	3
Activity-regulated cytoskeleton-associated protein	2;3
Septin-8	2;3
Polyadenylate-binding protein 1;Polyadenylate-binding protein	2;3
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2;Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	3
CLIP-associating protein 2;CLIP-associating protein 1	3
Elongation factor 1-alpha 2	3;4;5
Alpha-centractin	3
Microtubule-associated protein;Microtubule-associated protein 4	3
Peptide-N(4)-(N-acetyl-beta-glucosaminy)asparagine amidase	3
Voltage-dependent N-type calcium channel subunit alpha-1B	2
Coactosin-like protein	3
KIF1-binding protein	3;4
Neuronal-specific septin-3	2;3
Neuronal-specific septin-3	3;4
Neuronal-specific septin-3	4;5
Protein SOGA3	2;3
Protein SOGA3	3
Protein SOGA3	4
DDB1- and CUL4-associated factor 6	3
Dihydropyrimidinase-related protein 5	3
Nardilysin	3
Dephospho-CoA kinase domain-containing protein	3

14-3-3 protein zeta/delta;14-3-3 protein theta;14-3-3 protein beta/alpha;14-3-3 protein	3
14-3-3 protein zeta/delta;14-3-3 protein theta;14-3-3 protein beta/alpha;14-3-3 protein	2;3
NEDD8-activating enzyme E1 catalytic subunit	3
Calcineurin B homologous protein 3	3
WD repeat-containing protein 61;WD repeat-containing protein 61, N-terminally process	2;3
Solute carrier family 12 member 2	2;3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	2;3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	3;4
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase	4
Phospholipid-transporting ATPase 1A	3;4
Radixin	2
Metabotropic glutamate receptor 5	3
Ezrin	3
Adenylyl cyclase-associated protein 1	3
Cadherin-11	2;3
Transmembrane protein 132A	3;4
Sodium channel protein	2
Potassium voltage-gated channel subfamily KQT member 3	3
C-Jun-amino-terminal kinase-interacting protein 4	3;4
Tubulin beta-2A chain;Tubulin beta-2B chain	4
Tubulin beta-2A chain;Tubulin beta-2B chain	4
Moesin	3
Multiple epidermal growth factor-like domains protein 10	2
Histone H2B type 1-C/E/G;Histone H2B type 1-H;Histone H2B type 1-F/J/L;Histone H2B t	2
Tripeptidyl-peptidase 2	2
Calcineurin B homologous protein 1	2;3
	4
Microtubule-associated protein 2	3
Neurochondrin	3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-13	2;3
Sodium/potassium-transporting ATPase subunit alpha-1	4
Kelch-like protein 22	3
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet	3
Transaldolase	3
Neuron-specific vesicular protein calcyon	2;3
T-complex protein 1 subunit theta	3
Protein SEC13 homolog	2
CD99 antigen-like protein 2	2;3
Heat shock 70 kDa protein 4	3
Clathrin heavy chain 1;Clathrin heavy chain	3;4
Dynamin-1	2;3
E3 ubiquitin-protein ligase TRIM32	3
E3 ubiquitin-protein ligase TRIM32	3;4
Clavesin-1	3
Eukaryotic translation initiation factor 3 subunit K	3;4
Sodium/potassium-transporting ATPase subunit beta-1	2;3
Gap junction alpha-1 protein	3
Exocyst complex component 4	2;3
Matrin-3	3

Long-chain-fatty-acid--CoA ligase ACSBG1		3
Rab GDP dissociation inhibitor beta	2;3	
Rab GDP dissociation inhibitor beta	2;3;4	
Ras-related protein Rab-14		3
Ras-related protein Rab-14	2;3;4	
Spliceosome RNA helicase Ddx39b	2;3	
Ras GTPase-activating protein-binding protein 2	2;3	
Clathrin heavy chain 1;Clathrin heavy chain		3
		3
CDGSH iron-sulfur domain-containing protein 1		3
Destrin	3;4	
Ras-related protein R-Ras2		3
Sodium channel protein;Sodium channel protein type 8 subunit alpha		3
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2		4
Ubiquitin carboxyl-terminal hydrolase 20		3
Dynamin-1		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	2;3	
MAP6 domain-containing protein 1	2;3	
40S ribosomal protein S3		2
Syntaxin-1A	2;3	
Syntaxin-1B	2;3	
Syntaxin-1B	3;4	
Receptor expression-enhancing protein 2	2;3	
Receptor expression-enhancing protein 2		4
Receptor expression-enhancing protein 1		3
Membrane-associated progesterone receptor component 1	2;3	
ATP-dependent RNA helicase DDX3Y		3
Pyruvate kinase PKM	2;3	
Tripeptidyl-peptidase 2		4
Cytosolic acyl coenzyme A thioester hydrolase		2
Neuromodulin	3;4;5	
E3 ubiquitin-protein ligase RNF13		3
E3 ubiquitin-protein ligase RNF13	2;3;4	
E3 ubiquitin-protein ligase RNF13	3;4	
Spectrin alpha chain, non-erythrocytic 1	2;3	
RING finger protein 150	3;5	
Eukaryotic peptide chain release factor GTP-binding subunit ERF3A;Eukaryotic peptide cf		3
Neuromodulin		4
Neuromodulin		4
AP complex subunit beta;AP-2 complex subunit beta;AP-1 complex subunit beta-1		2
Aconitate hydratase, mitochondrial		3
Neutral amino acid transporter A;Amino acid transporter		3
Solute carrier family 22 member 23	2;3	
T-complex protein 1 subunit gamma	2;3	
Peroxiredoxin-6	3;4	
Peroxiredoxin-6	3;4	
Plexin-D1	2;3	
Epidermal growth factor receptor substrate 15-like 1		4
Hepatoma-derived growth factor-related protein 3		3
Hepatoma-derived growth factor		3

BCL2/adenovirus E1B 19 kDa protein-interacting protein 3	2;3	
Insulin receptor;Insulin receptor subunit alpha;Insulin receptor subunit beta;Insulin receptor		3
Protein naked cuticle homolog 1		3
Activated RNA polymerase II transcriptional coactivator p15	2;3	
14-3-3 protein zeta/delta	2;3	
14-3-3 protein zeta/delta	3;4	
Aquaporin-4		3
Inosine-5'-monophosphate dehydrogenase 2	3;4	
Dystroglycan;Alpha-dystroglycan;Beta-dystroglycan	2;3;4	
Target of Myb protein 1		4
Protein CASC3		3
Protein deglycase DJ-1		3
Elongation factor 2	3;4	
Roundabout homolog 2	2;3	
40S ribosomal protein S13		3
F-box-like/WD repeat-containing protein TBL1XR1		2
Myosin regulatory light chain 12B		3
Neurobeachin		3
F-box-like/WD repeat-containing protein TBL1X	2;3	
AP-2 complex subunit alpha-1		3
Sodium channel protein;Sodium channel protein type 8 subunit alpha		3
Dihydropyrimidinase-related protein 1	3;4;5	
AP-2 complex subunit alpha-2		3
Squalene synthase		3
Protein FAM171B		3
E3 ubiquitin-protein ligase MIB1		2
E3 ubiquitin-protein ligase MIB1		3
CAP-Gly domain-containing linker protein 3	3;4	
Membrane protein MLC1	2;3	
Ral GTPase-activating protein subunit beta		3
Mitogen-activated protein kinase kinase kinase kinase 4;Misshapen-like kinase 1		2
Protein kinase C beta type		3
Protein transport protein Sec23A		4
Catechol O-methyltransferase		3
Dihydropyrimidinase-related protein 2	3;4	
Dihydropyrimidinase-related protein 2	3;4;5	
WW domain-binding protein 2	2;3	
Eukaryotic initiation factor 4A-II;Eukaryotic initiation factor 4A-II, N-terminally processed	2;3;4	
Eukaryotic initiation factor 4A-I		3
Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1;Arf-GAP with		3
Target of Myb protein 1	3;4	
Pyruvate kinase PKM	2;3	
SLIT and NTRK-like protein 2		2
ARF GTPase-activating protein GIT1		3
Spectrin alpha chain, non-erythrocytic 1		4
CSC1-like protein 2	2;3	
Voltage-gated potassium channel subunit beta-2		4
Paternally-expressed gene 3 protein		3
Paternally-expressed gene 3 protein	3;4	
Heat shock protein HSP 90-beta		3

Heat shock protein HSP 90-alpha	3;4	
V-type proton ATPase subunit a;V-type proton ATPase 116 kDa subunit a isoform 1	2;3	
Neural proliferation differentiation and control protein 1		3
Spectrin beta chain, non-erythrocytic 1		4
Ubiquitin carboxyl-terminal hydrolase isozyme L5		3
NAD-dependent protein deacetylase sirtuin-2		3
TBC1 domain family member 17	2;3;4	
Syntaxin-1A		4
Ras-related protein Rab-18		3
Ephrin-B2	3;4	
Coiled-coil domain-containing protein 50	3;4;5	
Thy-1 membrane glycoprotein		4
Protein IMPACT	2;3	
26S protease regulatory subunit 7		3
Importin-5	2;3	
Hexokinase-1	2;3	
60S ribosomal protein L38	2;3	
Ubiquitin-conjugating enzyme E2 K	2;3	
RNA binding protein fox-1 homolog 1;RNA binding protein fox-1 homolog 3;RNA binding		3
Adenylate cyclase type 1		3
Casein kinase I isoform gamma-1;Casein kinase I isoform gamma-2;Casein kinase I isoform		3
Far upstream element-binding protein 2		3
Peripheral plasma membrane protein CASK		3
Developmentally-regulated GTP-binding protein 1	2;3	
Calcium-transporting ATPase		3
Calcium-transporting ATPase	2;3	
Synaptic vesicle membrane protein VAT-1 homolog-like	3;4	
Ganglioside-induced differentiation-associated protein 1		2
Synapsin-2		3
Protein-methionine sulfoxide oxidase MICAL3		3
D-3-phosphoglycerate dehydrogenase	2;3	
Bax inhibitor 1		3
Plasma membrane calcium-transporting ATPase 1	2;3	
Plasma membrane calcium-transporting ATPase 1	2;3;4	
Chloride channel protein;Chloride transport protein 6	2;3	
Catenin delta-2	2;3	
Coatamer subunit alpha;Xenin;Proxenin;Coatamer subunit alpha		3
Protein BRICK1	2;3	
T-complex protein 1 subunit gamma		3
Arginine--tRNA ligase, cytoplasmic		3
Neuron-specific calcium-binding protein hippocalcin;Hippocalcin-like protein 1	2;3	
Glial fibrillary acidic protein		3
Neurocalcin-delta	2;3	
Ras-related protein Rab-14	3;4;5	
Septin-6		3
Serine/threonine-protein phosphatase 6 regulatory subunit 1	2;3	
Transmembrane protein 106C		3
Sodium channel subunit beta-4		3
Spectrin beta chain, non-erythrocytic 1	2;3;4	
Septin-11		3

EH domain-containing protein 3	2;3	3
Membrane protein MLC1		4
Membrane protein MLC1		4
Coiled-coil domain-containing protein 50		5
DCN1-like protein;DCN1-like protein 1		3
Charged multivesicular body protein 1a		3
Myelin-associated glycoprotein	3;4	
Myelin-associated glycoprotein	3;4;5	
Paternally-expressed gene 3 protein		3
Gamma-aminobutyric acid receptor-associated protein;Gamma-aminobutyric acid receptor-associated protein 3	3;4	
DDB1- and CUL4-associated factor 6		3
Transcription factor BTF3 homolog 4		2
Vesicle-trafficking protein SEC22b	3;4	
Ras-related C3 botulinum toxin substrate 3		3
Proteasome subunit alpha type-2		3
Tyrosine--tRNA ligase;Tyrosine--tRNA ligase, cytoplasmic;Tyrosine--tRNA ligase, cytoplasmic	2;3	
Endophilin-B2		3
Tubulin beta-4B chain;Tubulin beta-1 chain;Tubulin beta-5 chain;Tubulin beta-2A chain;Tubulin beta-2B chain		3
Glycogen synthase kinase-3 beta;Glycogen synthase kinase-3 alpha		3
Serine--tRNA ligase, cytoplasmic		3
WASH complex subunit 7		2
Microtubule-associated protein;Microtubule-associated protein tau	2;3	
Interleukin enhancer-binding factor 2		3
Septin-11;Septin-8	2;3;4	
Septin-6	2;3;4	
Nuclear factor erythroid 2-related factor 1		2
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	2;3	
60S ribosomal protein L4		2
60S ribosomal protein L4		3
NACHT, LRR and PYD domains-containing protein 4E;NACHT, LRR and PYD domains-containing protein 4		3
Elongation factor 1-alpha 1		3
Elongation factor 1-alpha 2		3
Proton myo-inositol cotransporter	3;4	
OCIA domain-containing protein 1		3
MKL/myocardin-like protein 2		3
T-lymphoma invasion and metastasis-inducing protein 1		2
Protein unc-13 homolog A	2;3	
F-actin-capping protein subunit beta		3
		3
EH domain-containing protein 3		3
E3 ubiquitin-protein ligase MIB1		3
DmX-like protein 2		3
Protein phosphatase 1 regulatory subunit 7		2
Solute carrier family 35 member F2		3
Estradiol 17-beta-dehydrogenase 11		4
Peroxiredoxin-2		4
High mobility group protein B1		3
40S ribosomal protein S12		3

Tumor protein D52		3
Anaphase-promoting complex subunit 4	2;3	
Valine--tRNA ligase	2;3	
Synapsin-1	2;3;4	
Synapsin-1		4
Sorting nexin-1	3;4	
Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase;UDP-N	4;5	
Microtubule-associated protein RP/EB family member 3		3
Very-long-chain 3-oxoacyl-CoA reductase		3
Ubiquitin-like protein 7	3;4	
Ribosomal protein L19;60S ribosomal protein L19	2;3	
Transmembrane protein 176B	2;3	
Transmembrane protein 176B		4
Beta-soluble NSF attachment protein		3
Beta-soluble NSF attachment protein		4
Spectrin alpha chain, non-erythrocytic 1		3
Calmodulin-binding transcription activator 2		3
Protein FAM171A2		3
Ragulator complex protein LAMTOR1	2;3	
Melanoma-associated antigen D1	2;3	
Multiple epidermal growth factor-like domains protein 9	2;3	
Peroxiredoxin-1		5
Pyridoxal-dependent decarboxylase domain-containing protein 1		3
E3 ubiquitin-protein ligase AMFR		3
F-box/LRR-repeat protein 2;F-box/LRR-repeat protein 20		3
Ras-related protein Rab-5C		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		3
Hexokinase-1;Hexokinase	2;3	
Liprin-alpha-3		3
Coiled-coil domain-containing protein 50	3;4	
Purine nucleoside phosphorylase		3
RAD50-interacting protein 1	2;3	
	2;3	3
Protein FAM171A2		3
Reticulocalbin-2		3
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform;Ser	2;3	
Ras-related C3 botulinum toxin substrate 1		3
Ras-related C3 botulinum toxin substrate 1	2;3	
Ras-related C3 botulinum toxin substrate 1	3;4	
Ras-related C3 botulinum toxin substrate 1		3
Ras-related C3 botulinum toxin substrate 1	3;4	
Myc box-dependent-interacting protein 1;Amphiphysin;Bridging integrator 2		3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2	2;4	
	2;3	
	2;3	
Cytoplasmic dynein 1 heavy chain 1	3;4	
Cytoplasmic dynein 1 heavy chain 1		4
Rho-related GTP-binding protein RhoB		2
Probable G-protein coupled receptor 158		2

60S ribosomal protein L23a		3
Serine/threonine-protein kinase 11-interacting protein	3;4	
Chondroitin sulfate proteoglycan 5	2;3	
Fatty acid-binding protein, epidermal	3;4	
Dihydropyrimidinase-related protein 3	2;3	
Fractalkine;Processed fractalkine	2;3	
Fractalkine;Processed fractalkine		3
Fractalkine;Processed fractalkine		3
Putative adenosylhomocysteinase 2	3;4;5	
Adenosylhomocysteinase;Putative adenosylhomocysteinase 3	3;4	
Transcription elongation factor A protein 1		2
Hippocalcin-like protein 4		4
Synaptotagmin-1;Synaptotagmin-2;Synaptotagmin-5	2;3	
Synaptotagmin-1;Synaptotagmin-2		4
Cilia- and flagella-associated protein 36		3
Septin-7		3
Ferritin heavy chain;Ferritin heavy chain, N-terminally processed		4
Zinc finger ZZ-type and EF-hand domain-containing protein 1		3
Probable G-protein coupled receptor 158		3
Microtubule-actin cross-linking factor 1		3
Nucleoporin NUP188 homolog		3
NEDD4 family-interacting protein 1		3
NEDD4 family-interacting protein 1	2;3	
Ankyrin repeat domain-containing protein 26		4
cAMP-dependent protein kinase type I-beta regulatory subunit;cAMP-dependent proteir		3
cAMP-dependent protein kinase type I-beta regulatory subunit;cAMP-dependent proteir		3
Striatin-4		4
Folliculin-interacting protein 1		3
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	3;4	
Charged multivesicular body protein 1a	2;3	
Islet cell autoantigen 1		2
S-adenosylmethionine synthase isoform type-2		4
Heterogeneous nuclear ribonucleoprotein L		3
E3 ubiquitin-protein ligase HERC2		2
Cofilin-1		2
Cofilin-1		4
Sorting nexin-32		3
GTP-binding nuclear protein Ran	2;3	
Gamma-aminobutyric acid receptor subunit alpha-1	2;3	
UMP-CMP kinase	2;3	
UMP-CMP kinase		3
Microtubule-associated protein RP/EB family member 1		4
Calcium permeable stress-gated cation channel 1		3
		5
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1		2
14-3-3 protein eta		3
Synaptotagmin-1	2;3	
Ankyrin repeat and IBR domain-containing protein 1		2
Transitional endoplasmic reticulum ATPase		4
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet		3

ATP-dependent 6-phosphofructokinase, muscle type	3
Protein DDI1 homolog 2	3
Myelin-associated glycoprotein	2;3;4
Cytoplasmic dynein 1 heavy chain 1	3
Cytoplasmic dynein 1 heavy chain 1	3
CaM kinase-like vesicle-associated protein	3
CaM kinase-like vesicle-associated protein	3;4
Receptor protein-tyrosine kinase;Fibroblast growth factor receptor;Fibroblast growth fac	3
Basigin	2;3
Calpain-5	3
C-Jun-amino-terminal kinase-interacting protein 4	4
Long-chain-fatty-acid--CoA ligase 6	3;4
Dihydropyrimidinase-related protein 2	2;3
Dihydropyrimidinase-related protein 2	3
Dihydropyrimidinase-related protein 1	2;3
Glutamate receptor ionotropic, NMDA 2B	2;3
Glutamate receptor ionotropic, NMDA 2B	3;4
Ubiquitin-like modifier-activating enzyme 1;Ubiquitin-like modifier-activating enzyme 1 Y	2;3
Ubiquitin-like modifier-activating enzyme 1	3;4;5
Major facilitator superfamily domain-containing protein 4	2;3
Major facilitator superfamily domain-containing protein 4	3;4
Major facilitator superfamily domain-containing protein 4	3;4;5
Major facilitator superfamily domain-containing protein 4	4
40S ribosomal protein S3	3;4;5
5-hydroxytryptamine receptor 2A	3
Disks large homolog 4	3
Clathrin coat assembly protein AP180	3;4
Clathrin coat assembly protein AP180	4
Sn1-specific diacylglycerol lipase alpha	3
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	3
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	3;4
Sodium-coupled neutral amino acid transporter 5	2;3
Amyloid-like protein 1;C30	3;4
Excitatory amino acid transporter 1	2;3;4
Excitatory amino acid transporter 1	3;4
Excitatory amino acid transporter 1	3;4
Excitatory amino acid transporter 1	3
Excitatory amino acid transporter 1	3;4
Importin-5	3
Lysine-specific demethylase PHF2	3
Ancient ubiquitous protein 1	3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 14	3;4
Metal transporter CNNM2	3
Protein zer-1 homolog	2;3
Chromatin modification-related protein MEAF6	2;3
Cytohesin-2	3
Formin-like protein 2	3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	2;3
Core histone macro-H2A.1	3;4
Inhibitor of nuclear factor kappa-B kinase subunit beta	3

Sorting nexin-3	2;3	
Bone morphogenetic protein receptor type-2	3;4	
Syntaxin-1B	2;3;4	
Syntaxin-1B		3
Syntaxin-1B		5
Ubiquitin carboxyl-terminal hydrolase isozyme L1		3
Long-chain-fatty-acid--CoA ligase 6		2
Tectonin beta-propeller repeat-containing protein 1		3
Septin-7		3
Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform		3
Putative adenosylhomocysteinase 2	2;3	
Sacsin	2;3	
Fascin		3
Sodium channel protein		4
Sodium channel protein		4
Sodium channel protein		4
FACT complex subunit SPT16		3
Lamin-B1	2;3	
Transitional endoplasmic reticulum ATPase		4
Inosine-5'-monophosphate dehydrogenase 2	3;4	
Clathrin heavy chain 1;Clathrin heavy chain		3
Radixin	2;3	
Importin-7		2
RING finger and SPRY domain-containing protein 1		3
Regulator of G-protein signaling 6		3
Cadherin-20	3;4	
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase eta		3
Sodium channel protein	3;4	
Sodium channel protein	2;3	
F-box only protein 41		3
Spectrin beta chain, non-erythrocytic 1		3
Attractin		2
		3
Latrophilin-1		3
Latrophilin-1	2;3	
14-3-3 protein theta	2;3	
14-3-3 protein theta	3;4	
BTB/POZ domain-containing protein 1		3
40S ribosomal protein S9		3
	2;3	
Neuroplastin	3;4;5	
Neuroplastin		4
Beta-adrenergic receptor kinase 1		4
		3
L-lactate dehydrogenase B chain		3
L-lactate dehydrogenase;L-lactate dehydrogenase A chain	2;3	
60S ribosomal protein L17		4
Sodium/potassium-transporting ATPase subunit beta-2		3
		3
Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacti		3

Nuclear protein localization protein 4 homolog	4
Drebrin	4
Sodium/potassium-transporting ATPase subunit beta-3	2;3
Gamma-aminobutyric acid receptor subunit beta-3;Gamma-aminobutyric acid receptor s	3
Fatty acid desaturase 2	3
Polyadenylate-binding protein 1	2
Polyadenylate-binding protein	2;3
	3
Dihydropyrimidinase-related protein 1	3
ATP-sensitive inward rectifier potassium channel 10	3
Synaptopodin	2;3
Vacuolar protein sorting-associated protein 26B	3;4
	3
Receptor-type tyrosine-protein phosphatase-like N	3
Guanine nucleotide-binding protein G(o) subunit alpha	3
NSFL1 cofactor p47	3
Transitional endoplasmic reticulum ATPase	3;4
Synaptotagmin-5	2;3;4
Synaptotagmin-5	4
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase delta	3;4
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase delta	3;4
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 21	2;3
Malate dehydrogenase, cytoplasmic	3
Carbonic anhydrase 14	2
Regulator of G-protein signaling 7	3
Ubiquitin-like protein 7	4
Transaldolase	2
Zinc finger ZZ-type and EF-hand domain-containing protein 1	2;3
Guanine nucleotide-binding protein G(o) subunit alpha	2;3;4
Guanine nucleotide-binding protein G(o) subunit alpha	3
Brain acid soluble protein 1	4;5
Alpha-actinin-4;Alpha-actinin-3;Alpha-actinin-1;Alpha-actinin-2	3
Oxidation resistance protein 1	3
T-complex protein 1 subunit delta	2
	3
	3
RNA-binding protein FUS	2;3
Alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A	3
Intersectin-1	3
General vesicular transport factor p115	3
Maturin	2;3
Maturin	3
cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A	3
Synaptotagmin-1	3
Synaptotagmin-1	4
Neurotensin receptor type 2	2;3
Eukaryotic translation initiation factor 1;Eukaryotic translation initiation factor 1b	3
Peripheral plasma membrane protein CASK	3
Large proline-rich protein BAG6	3
	3;4

Sodium/calcium exchanger 1	2;3	
Glutaredoxin-1		3
V-type proton ATPase subunit a;V-type proton ATPase 116 kDa subunit a isoform 1		3
Ubiquitin thioesterase OTUB1		4
V-type proton ATPase subunit B, brain isoform	2;3	
Cysteine and histidine-rich domain-containing protein 1		3
Dynamin-1	2;3	
Histone H1.4	2;3	
Ankyrin-2		3
Dynactin subunit 1		4
Microtubule-associated protein 2;Microtubule-associated protein	2;3	
Tubulin gamma-2 chain;Tubulin gamma-1 chain		3
		2
Lysosome-associated membrane glycoprotein 2		2
Alpha/beta hydrolase domain-containing protein 17B	2;3	
Gap junction alpha-1 protein	3;4	
		5
	3;4;5;6;7	
Sodium/potassium-transporting ATPase subunit alpha-3	2;3	
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2		3
Vesicle-associated membrane protein-associated protein A		4
60S ribosomal protein L7a		2
Eukaryotic initiation factor 4A-II;Eukaryotic initiation factor 4A-II, N-terminally processed		3
Mitofusin-2		3
Chromobox protein homolog 3		3
Chromobox protein homolog 1		3
Putative Polycomb group protein ASXL2	3;4	
Glial fibrillary acidic protein		3
Vimentin		3
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1		3
Clathrin heavy chain 1;Clathrin heavy chain	2;3	
NAD-dependent protein deacetylase sirtuin-2		3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	2;3	
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	2;3	
E3 ubiquitin-protein ligase Praja-2		3
Hemoglobin subunit beta-1	2;3;4	
Hemoglobin subunit beta-2	2;3	
SUMO-activating enzyme subunit 1;SUMO-activating enzyme subunit 1, N-terminally pro		2
Dephospho-CoA kinase domain-containing protein		3
Paralemmin-1	2;3	
Paralemmin-1		3
PCNA-associated factor	2;3	
Paralemmin-2		3
Protein lin-7 homolog A	2;3	
Excitatory amino acid transporter 2;Amino acid transporter		3
Platelet-activating factor acetylhydrolase IB subunit alpha		3
Alpha-enolase		3
Proteasome subunit alpha type-6		4
Mannose-6-phosphate isomerase		4
Sodium-dependent phosphate transporter 2		2

Sodium-dependent phosphate transporter 2		3
Peptide-N(4)-(N-acetyl-beta-glucosaminyl)asparagine amidase	3;4;5	
Phosphoinositide phospholipase C		3
Phosphoinositide phospholipase C		4
Brefeldin A-inhibited guanine nucleotide-exchange protein 3		3
Sodium channel subunit beta-3		3
Clathrin heavy chain 1;Clathrin heavy chain	3;4	
Condensin-2 complex subunit G2		3
Solute carrier family 2, facilitated glucose transporter member 1		3
		2
Lupus La protein homolog		4
Activin receptor type-1		4
AP-1 complex subunit gamma-1		3
Mannose-6-phosphate isomerase		3
N-terminal EF-hand calcium-binding protein 2		3
Fatty acid desaturase 1		3
AP-2 complex subunit mu	3;4	
Regulator of G-protein signaling 7		3
cAMP-dependent protein kinase catalytic subunit alpha		3
Poly(ADP-ribose) glycohydrolase		2
		3
		3
Nucleosome assembly protein 1-like 1	2;3	
Nucleosome assembly protein 1-like 1	2;3;4	
Coatomer subunit alpha;Xenin;Proxenin;Coatomer subunit alpha		3
Transitional endoplasmic reticulum ATPase	2;3	
ADP-ribosylation factor-like protein 15		3
Sodium-dependent proline transporter		3
Vesicular glutamate transporter 1	2;3	
Vesicular glutamate transporter 1	2;3;4	
Vesicular glutamate transporter 1		3
Vesicular glutamate transporter 1		4
Nucleosome assembly protein 1-like 5	2;4	
Nucleosome assembly protein 1-like 5		3
Dynein light chain 2, cytoplasmic;Dynein light chain 1, cytoplasmic	2;3;4	
Sodium/potassium-transporting ATPase subunit alpha-3	2;3;4	
Sodium/potassium-transporting ATPase subunit alpha-3	2;3;4;5	
Sodium/potassium-transporting ATPase subunit alpha-3	3;4;5	
Receptor-type tyrosine-protein phosphatase;Receptor-type tyrosine-protein phosphatas		3
Disintegrin and metalloproteinase domain-containing protein 22		3
Cytoplasmic FMR1-interacting protein 2	2;3	
Sodium/potassium-transporting ATPase subunit alpha-2	2;3;4	
GTP-binding nuclear protein Ran		4
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	3;4;5	
Fatty acyl-CoA reductase 1		3
Protein CutA		3
Transferrin receptor protein 1		3
ADP/ATP translocase 2;ADP/ATP translocase 2, N-terminally processed	2;3	
ADP/ATP translocase 1	2;3	
Neurofilament light polypeptide		3

Phosphoserine aminotransferase		3
Neurofilament light polypeptide		3
Neurofilament light polypeptide		4
Adenylate cyclase type 3		3
Spectrin alpha chain, non-erythrocytic 1		3
Clustered mitochondria protein homolog		2
Drebrin		4
Septin-7	2;3	
Proline-rich transmembrane protein 3		3
Proline-rich transmembrane protein 3	3;4	
ATP-binding cassette sub-family A member 8-B;ATP-binding cassette sub-family A memb		3
EH domain-containing protein 4		4
Guanosine-3',5'-bis(diphosphate) 3'-pyrophosphohydrolase MESH1		3
Spectrin beta chain, non-erythrocytic 1		3
Nitric oxide synthase;Nitric oxide synthase, brain		2
Stathmin-3	2;3	
Ganglioside-induced differentiation-associated protein 1		3
Protein shisa-7		2
Protein shisa-7	3;4	
Nck-associated protein 1	2;3	
Heat shock 70 kDa protein 4		2
Catenin beta-1	3;4	
Matrin-3	2;3	
Syntaxin-binding protein 1		2
Ran GTPase-activating protein 1		3
Potassium voltage-gated channel subfamily H member 5;Potassium voltage-gated chann		3
60S ribosomal protein L29	2;3	
Ankyrin repeat domain-containing protein 13D		3
Synaptojanin-1	2;3	
Calcium-binding and coiled-coil domain-containing protein 1		4
Syntaxin-1B	2;3	
Syntaxin-1B	2;3	
Syntaxin-1B	2;3	
Syntaxin-1B	3;4	
Glycerol-3-phosphate dehydrogenase;Glycerol-3-phosphate dehydrogenase, mitochondr		3
Tripartite motif-containing protein 46		2
ADP-ribosylation factor-like protein 5B		3
14-3-3 protein epsilon	2;3;4	
Guanine deaminase	3;4	
Brain-specific angiogenesis inhibitor 1		3
Transcription factor BTF3 homolog 4;Transcription factor BTF3		3
Regulator of nonsense transcripts 1		2
Alpha-enolase		3
Sodium/hydrogen exchanger 9		2
Phosphatidylinositol 4-kinase type 2-alpha		2
Beta-soluble NSF attachment protein		3
DnaJ homolog subfamily C member 5;DnaJ homolog subfamily A member 4;DnaJ homolo		3
DnaJ homolog subfamily C member 5	3;4	
DnaJ homolog subfamily C member 5	3;4;5	
DnaJ homolog subfamily A member 1		3

Apoptosis inhibitor 5		3
T-complex protein 1 subunit beta	3;4	
Voltage-dependent N-type calcium channel subunit alpha-1B	3;4	
Transaldolase	2;3	
Peroxiredoxin-6		2
Visinin-like protein 1	2;3;4	
Visinin-like protein 1	3;4	
Protein 4.1		3
Metabotropic glutamate receptor 5	3;4	
Splicing factor, proline- and glutamine-rich		2
Splicing factor, proline- and glutamine-rich	2;3	
Protein-tyrosine kinase 2-beta		3
Receptor-type tyrosine-protein phosphatase S	3;4	
		4
Serine/threonine-protein phosphatase PGAM5, mitochondrial		3
Metallo-beta-lactamase domain-containing protein 2		2
Cytochrome b-c1 complex subunit 2, mitochondrial		3
Transmembrane protein 230		2
Transforming acidic coiled-coil-containing protein 1		3
60S acidic ribosomal protein P2		4
Tropomyosin alpha-3 chain;Tropomyosin alpha-1 chain;Tropomyosin beta chain		3
WD repeat domain phosphoinositide-interacting protein 2		2
SLIT-ROBO Rho GTPase-activating protein 3		3
Septin-5		3
Microtubule-associated protein 4;Microtubule-associated protein		3
TRAF-type zinc finger domain-containing protein 1		3
Kinesin-like protein		3
Kinesin-like protein	2;3	
Kinesin-like protein KIF1B;Kinesin-like protein	2;3	
Thioredoxin-like protein 1		3
Rho GTPase-activating protein 39		4
Actin-related protein 2/3 complex subunit 1A	3;4	
UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit	3;4;5	
UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit		5
UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit	3;4;5	
Ubiquitin-protein ligase E3C		3
Rho-related GTP-binding protein RhoU		3
Glutamate decarboxylase 2		3
Dual specificity mitogen-activated protein kinase kinase 4		3
Clathrin light chain A	2;3	
Monoglyceride lipase	2;3	
Monoglyceride lipase		3
Elongation factor 1-gamma		3
Mitochondrial import receptor subunit TOM40B		2
Syntaxin-binding protein 3		3
Leucine-rich repeat-containing protein 49		2
		3
Disintegrin and metalloproteinase domain-containing protein 15	2;3	
Calcium-dependent secretion activator 1		5
Calcium/calmodulin-dependent protein kinase type II subunit beta	2;3;4	

Adenylate cyclase type 2		4
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1		2
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3	
N-acetylneuraminate cytidyltransferase		3
Acidic leucine-rich nuclear phosphoprotein 32 family member B		3
IQ motif and SEC7 domain-containing protein 2		3
Synaptobrevin homolog YKT6	2;3	
ATP-dependent RNA helicase DDX1		3
Ribosome biogenesis protein TSR3 homolog		3
Microtubule-associated protein 2		3
Vesicle-associated membrane protein 4	2;3	
Ankyrin repeat domain-containing protein 13A		3
Methionine adenosyltransferase 2 subunit beta		3
Calmodulin-regulated spectrin-associated protein 2		4
ZW10 interactor		3
Ganglioside-induced differentiation-associated protein 1-like 1	3;4	
Tubulin alpha-4A chain;Tubulin alpha-1B chain;Tubulin alpha-1A chain;Tubulin alpha-3 cl		4
Tubulin alpha-4A chain;Tubulin alpha-1B chain;Tubulin alpha-1A chain;Tubulin alpha-3 cl	2;3	
Tubulin alpha-4A chain;Tubulin alpha-1B chain;Tubulin alpha-1A chain;Tubulin alpha-3 cl		4
Alpha-actinin-4;Alpha-actinin-1	2;3	
26S protease regulatory subunit 10B		4
Heat shock cognate 71 kDa protein		3
Semaphorin-5A	3;4	
Semaphorin-5A		3
Activin receptor type-1B		3
Acyl-CoA desaturase 2;Acyl-CoA desaturase 1	2;3	
Acyl-CoA desaturase 2;Acyl-CoA desaturase 1		4
AP-3 complex subunit mu-2;AP-3 complex subunit mu-1		3
Threonine--tRNA ligase, cytoplasmic		3
ELAV-like protein;ELAV-like protein 4;ELAV-like protein 3	2;3	
ELAV-like protein;ELAV-like protein 4;ELAV-like protein 3		3
Pro-neuregulin-2, membrane-bound isoform;Neuregulin-2		4
Protein NDRG3		3
40S ribosomal protein S9		3
Tumor susceptibility gene 101 protein		4
Transitional endoplasmic reticulum ATPase	2;3	
Keratinocyte-associated transmembrane protein 2	2;3	
		3
Heat shock protein HSP 90-alpha	2;4	
Septin-11;Septin-8		3
Septin-6		3
Myelin regulatory factor;Myelin regulatory factor, N-terminal;Myelin regulatory factor, C	3;4	
40S ribosomal protein S9	2;3;4	
Epidermal growth factor receptor substrate 15	2;3	
SUMO-activating enzyme subunit 1;SUMO-activating enzyme subunit 1, N-terminally pro		3
Brefeldin A-inhibited guanine nucleotide-exchange protein 1	2;3	
Syntaxin-binding protein 1	2;3;4	
T-complex protein 1 subunit epsilon	2;3	
Gamma-aminobutyric acid receptor subunit beta-2	3;4	
Actin-related protein 2/3 complex subunit 1A		3

Kinesin-like protein;Kinesin-like protein KIF1A	2;3	
Prefoldin subunit 6		3
60S ribosomal protein L4	2;3	
Prelamin-A/C;Lamin-A/C	2;3	
Dystrophin-related protein 2		3
Cytoplasmic FMR1-interacting protein 2	2;3;4	
Glutathione S-transferase omega-1	3;4	
Aspartate aminotransferase, cytoplasmic	3;4	
Kinesin-like protein;Kinesin-like protein KIF1A		2
IQ motif and SEC7 domain-containing protein 1	2;3	
Elongation factor 1-alpha 1		2
Sphingomyelin phosphodiesterase 3	2;3	
Sphingomyelin phosphodiesterase 3	3;4	
Acetyl-CoA acetyltransferase, mitochondrial		3
Non-specific lipid-transfer protein		3
mRNA cap guanine-N7 methyltransferase		4
Solute carrier family 12 member 5;Solute carrier family 12 member 6;Solute carrier famil	3;4	
Solute carrier family 12 member 6;Solute carrier family 12 member 4	3;5	
Solute carrier family 12 member 5		5
Ubiquitin-like modifier-activating enzyme 1	3;4	
BAG family molecular chaperone regulator 5		3
Septin-11;Septin-6		4
Septin-8		3
MAGUK p55 subfamily member 2	2;3	
		3
Ubiquitin carboxyl-terminal hydrolase isozyme L1		3
Microtubule-associated protein 2		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		3
Chondroitin sulfate proteoglycan 5	2;3	
Ceramide synthase 6		3
		3
Peptidyl-prolyl cis-trans isomerase FKBP3		3
Transitional endoplasmic reticulum ATPase		3
Transitional endoplasmic reticulum ATPase	3;4	
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	3;4	
		3
Protrudin		3
Receptor-type tyrosine-protein phosphatase N2		3
Tripeptidyl-peptidase 2		3
Inositol 1,4,5-trisphosphate receptor type 1	2;3	
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	2;3	
Cyclin-dependent-like kinase 5	2;3	
AP complex subunit beta;AP-2 complex subunit beta;AP-1 complex subunit beta-1		3
T-complex protein 1 subunit theta	2;3	
Kinesin heavy chain isoform 5C		3
	2;3	
Glyceraldehyde-3-phosphate dehydrogenase		3
	3;4	
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase T	2;3	
Importin subunit beta-1		3

Ubiquitin-conjugating enzyme E2 N	3
Neogenin	4
Kinesin-like protein KIF1B	3
Vesicle-associated membrane protein 7	2;3
Vesicle-associated membrane protein 7	3;4
Vesicle-associated membrane protein 7	3;4
Ubiquitin thioesterase OTUB1	3
ATP-binding cassette sub-family A member 2	3
ATP-binding cassette sub-family A member 2	4
Hypoxia-inducible factor 1-alpha	3
Ubiquitin-protein ligase E3A	2;3
Gamma-aminobutyric acid receptor subunit beta-1	4
Gastrin/cholecystokinin type B receptor	3;4
Migration and invasion enhancer 1	3
PRA1 family protein 3	3
E3 ubiquitin-protein ligase UBR4	4
Peripheral plasma membrane protein CASK	3
Voltage-dependent P/Q-type calcium channel subunit alpha-1A	3
Secretogranin-2;Secretoneurin;Manserin	3
Phosphatidylinositol transfer protein alpha isoform	3
Membrane-associated phosphatidylinositol transfer protein 1	3
Protein FAM134A	3;4;5
Modulator of apoptosis 1	3
N-terminal EF-hand calcium-binding protein 3	4
Ubiquitin domain-containing protein UBFD1	2;3
Aminoacyl tRNA synthase complex-interacting multifunctional protein 1;Endothelial mon	3
E3 SUMO-protein ligase RanBP2	2;3
Coronin-1C	2
Coronin-1C	2
Rabankyrin-5	3
Cytoplasmic FMR1-interacting protein 1	3;4
Nuclear pore complex protein Nup85	3
Protein zyg-11 homolog B	3
Activity-regulated cytoskeleton-associated protein	2;3
Nipped-B-like protein	2
Kinesin-like protein;Kinesin-like protein KIF3A	4
V-type proton ATPase subunit H	3
UPF0568 protein C14orf166 homolog	3
Apoptosis-inducing factor 3	3
35;Ermard	3
E3 ubiquitin-protein ligase ARIH1	3
Ectoderm-neural cortex protein 1	3;4
Disks large-associated protein 3	3
Protein argonaute-2	3
Centrin-2;Centrin-1	3
HIV Tat-specific factor 1 homolog	3
EH domain-containing protein 1	3
Prolyl endopeptidase-like	2;3;4
	2;3
Huntingtin	2;3

E3 ubiquitin-protein ligase MIB1	3
Long-chain fatty acid transport protein 1	3
Mitochondrial amidoxime reducing component 2	3
Methionine aminopeptidase 1	3
RNA-binding motif protein, X chromosome;RNA-binding motif protein, X chromosome, N 2;3	
Eukaryotic translation initiation factor 3 subunit H	3
Large neutral amino acids transporter small subunit 4	3
Cleavage and polyadenylation specificity factor subunit 5	3
40S ribosomal protein S6	2
Mitogen-activated protein kinase 3;Mitogen-activated protein kinase	3
Insulin-degrading enzyme	2
Myocyte-specific enhancer factor 2D;Myocyte-specific enhancer factor 2C;Myocyte-spec	3
	2
Armadillo repeat-containing X-linked protein 3	3
GRAM domain-containing protein 1A	3
NEDD8-conjugating enzyme Ubc12	2
C-Jun-amino-terminal kinase-interacting protein 4	3;4
Calcium-dependent secretion activator 1;Calcium-dependent secretion activator 2	3
Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	2;3
Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	3;4
Disks large-associated protein 1	3
Disks large-associated protein 2	3
Cyclin-G-associated kinase	3
	3
Death-associated protein kinase 1	2;3
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	2;3
Gamma-enolase	2;3
Spermine synthase	2;3
V-type proton ATPase 116 kDa subunit a isoform 2	2;3
	2
EF-hand domain-containing protein D2	3;4
Neuron-specific vesicular protein calcyon	3
Vascular endothelial growth factor receptor 1	3
N-alpha-acetyltransferase 25, NatB auxiliary subunit	3
Amphiphysin	3;4
Transitional endoplasmic reticulum ATPase	2;3
Protein tweety homolog 1	3
Vacuolar protein sorting-associated protein 45	3
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	3
Sorting nexin-6;Sorting nexin-6, N-terminally processed	3
Sorting nexin-6;Sorting nexin-6, N-terminally processed	3
26S proteasome non-ATPase regulatory subunit 2	3;4
Syntaxin-binding protein 5-like	3
Golgin subfamily A member 2	2
Clathrin interactor 1	3
TRPM8 channel-associated factor 1	3
Regulator of G-protein signaling 4	4
Histone deacetylase 11	3
Chloride channel protein;Chloride channel protein 2	3
Leucine-rich repeat-containing protein 58	3

Transaldolase	2;3	
T-complex protein 1 subunit beta		3
MAGUK p55 subfamily member 3		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	3;4	
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	3;4;5	
Eukaryotic translation initiation factor 3 subunit E		4
Potassium voltage-gated channel subfamily C member 2	2;3	
Unconventional myosin-Va		3
Guanine nucleotide-binding protein subunit alpha-12		5
Amphiphysin	3;4	
DNA damage-binding protein 1		3
Long-chain-fatty-acid--CoA ligase 1	3;4	
Apolipoprotein E	2;3	
Chloride channel protein;H(+)/Cl(-) exchange transporter 7		2
Protein CLEC16A		3
		3
40S ribosomal protein S9		3
Formin-like protein 3		3
Ribose-phosphate pyrophosphokinase 1;Ribose-phosphate pyrophosphokinase 2		3
		4
Glutamate decarboxylase 1		3
Histone H1.2;Histone H1.4;Histone H1.3;Histone H1.5		2
		2
Gamma-soluble NSF attachment protein	2;3	
ATP-binding cassette sub-family A member 1		2
Calcium-transporting ATPase;Calcium-transporting ATPase type 2C member 1		4
Neuron-specific protein family member 1	2;3	
Protein kinase C		3
Rhomboid domain-containing protein 3		3
KH domain-containing, RNA-binding, signal transduction-associated protein 3	2;3	
Protein-tyrosine kinase 2-beta		3
	2;3	
Transketolase	3;4	
ADP-ribosylation factor 6		3
Adenylate cyclase type 9	2;3	
cGMP-dependent 3',5'-cyclic phosphodiesterase		3
T-complex protein 1 subunit beta		2
OTU domain-containing protein 7A	2;3	
Baculoviral IAP repeat-containing protein 6		3
FERM, RhoGEF and pleckstrin domain-containing protein 1		2
TRPM8 channel-associated factor 1		3
Centromere/kinetochore protein zw10 homolog		3
Synapsin-1		4
Serum deprivation-response protein		3
Kinesin-like protein;Kinesin-like protein KIFC2		3
ATP-dependent 6-phosphofructokinase, liver type		3
Malate dehydrogenase, cytoplasmic		4
Toll-interacting protein	3;4	
V-type proton ATPase subunit C 1		2
Ankyrin repeat and sterile alpha motif domain-containing protein 1B		3

Kelch-like protein 22		3
Huntingtin		3
Septin-7		3
Phospholipase DDHD1		3
Clathrin heavy chain 1;Clathrin heavy chain		4
Putative ATP-dependent RNA helicase DHX57	2;3;4	
Chloride intracellular channel protein 4		2
Acyl-CoA-binding domain-containing protein 5		2
Sodium-dependent phosphate transporter 1	3;4	
SEC23-interacting protein		3
Coiled-coil domain-containing protein 160		3
Rabphilin-3A		3
V-type proton ATPase subunit d 1	3;4	
Beta-soluble NSF attachment protein	3;4	
Cytospin-B	3;4	
Alsin		3
Annexin A3		3
AP2-associated protein kinase 1;BMP-2-inducible protein kinase	3;4	
Protein C12orf4 homolog		3
		3
Regulating synaptic membrane exocytosis protein 1		3
Synaptophysin	2;3	
LanC-like protein 1		3
Chloride intracellular channel protein 5		2
Cyclin-C		2
V-type proton ATPase subunit F		3
14-3-3 protein epsilon	3;4	
Dynactin subunit 1		3
Transcriptional activator protein Pur-alpha		3
1,5-anhydro-D-fructose reductase		3
Opioid growth factor receptor-like protein 1	2;3	
Structural maintenance of chromosomes protein 1A		3
Spectrin alpha chain, non-erythrocytic 1		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 24		3
NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial		3
Elongation factor 2		2
Transaldolase	2;3	
Thioredoxin		3
Neuronal acetylcholine receptor subunit alpha-4		4
E3 ubiquitin-protein ligase LRSAM1		3
Glycylpeptide N-tetradecanoyltransferase 1		3
		2
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 1;2;3		
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 2;3;4		
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 3;4;5;6		
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 3;4;5;6		
Sodium/potassium-transporting ATPase subunit alpha-1;Potassium-transporting ATPase		2
Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX32	2;3	
Trimeric intracellular cation channel type A	2;3	
Heat shock cognate 71 kDa protein		3

Heat shock cognate 71 kDa protein	2;3	
Ataxin-3	2;3;4	
Synaptic vesicle membrane protein VAT-1 homolog-like	2;3	
Ataxin-10		2
	3;4	
Synaptotagmin-3		3
E3 ubiquitin-protein ligase UBR4		3
Dual specificity mitogen-activated protein kinase kinase 1	2;3	
Fatty acid-binding protein, brain		2
Fatty acid-binding protein, heart		3
V-type proton ATPase catalytic subunit A		3
ADP-ribosylation factor-binding protein GGA1	2;3	
60S ribosomal protein L3	2;3	
Sulfotransferase 4A1		3
WD repeat-containing protein 47		3
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3	
ATPase family AAA domain-containing protein 1		2
Ganglioside-induced differentiation-associated protein 2		3
Immunoglobulin superfamily containing leucine-rich repeat protein 2	3;4	
Cyclic AMP-responsive element-binding protein 3;Processed cyclic AMP-responsive elem		3
AP-2 complex subunit alpha-1;AP-2 complex subunit alpha-2		2
Microtubule-associated protein 2;Microtubule-associated protein	2;3	
Adenylyl cyclase-associated protein 2;Adenylyl cyclase-associated protein		3
Calpain-5	3;4	
60S ribosomal protein L10		3
Protein kinase C beta type		3
Rho-related GTP-binding protein RhoN		4
Fragile X mental retardation protein 1 homolog	2;3	
Spectrin alpha chain, non-erythrocytic 1		4
Spectrin alpha chain, non-erythrocytic 1		3
E3 ubiquitin-protein ligase MYCBP2		3
Probable G-protein coupled receptor 158		3
Actin-related protein 2/3 complex subunit 1A		4
Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial		3
Transitional endoplasmic reticulum ATPase		3
Histone-lysine N-methyltransferase SUV420H1		3
BCL-6 corepressor;BCL-6 corepressor-like protein 1	2;3	
UV excision repair protein RAD23 homolog B	2;3	
UV excision repair protein RAD23 homolog A	2;3	
UV excision repair protein RAD23 homolog A	3;4;5	
40S ribosomal protein S4, X isoform;40S ribosomal protein S4		2
NEDD8	2;3	
NEDD8	2;3	
NEDD8	3;4	
Cullin-associated NEDD8-dissociated protein 1		3
Prosaposin receptor GPR37L1	2;3;4	
Neuralized-like protein 4		3
Syntaxin-1B	2;3	
Nostrin	2;3	
COP9 signalosome complex subunit 3	2;3	

Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA	3
Unconventional myosin-Ib	3
Ubiquitin-like protein 7	3;4
PH and SEC7 domain-containing protein 3	3
Receptor-type tyrosine-protein phosphatase N2	3;4
Receptor-type tyrosine-protein phosphatase N2	3;4
Transcription elongation factor SPT6	3
Prelamin-A/C;Lamin-A/C	2
Septin-7	3
Aquaporin-4	3
Fibronectin type III and SPRY domain-containing protein 1	2;3;4
Fibronectin type III and SPRY domain-containing protein 1	3;4
Fatty acid synthase;[Acyl-carrier-protein] S-acetyltransferase;[Acyl-carrier-protein] S-mal	3
Chondroitin sulfate proteoglycan 5	3
Chondroitin sulfate proteoglycan 5	2;3
Chondroitin sulfate proteoglycan 5	3;4
Chondroitin sulfate proteoglycan 5	3;4
Chondroitin sulfate proteoglycan 5	3
	3
Nck-associated protein 1	3
Dedicator of cytokinesis protein 4	3
Hsp90 co-chaperone Cdc37;Hsp90 co-chaperone Cdc37, N-terminally processed	3
Ran GTPase-activating protein 1	2
Voltage-gated potassium channel subunit beta-2	2;3
Cyclin-dependent kinase 5 activator 2	3
Drebrin	2;3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	2;3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	3
RAS guanyl-releasing protein 1	4
Copine-2	2
Transmembrane and ubiquitin-like domain-containing protein 1	2
Transmembrane and ubiquitin-like domain-containing protein 2	3;4
Transmembrane and ubiquitin-like domain-containing protein 2	4
Calcium/calmodulin-dependent protein kinase type II subunit delta;Calcium/calmodulin-	2;3
Heterogeneous nuclear ribonucleoproteins C1/C2	2
RNA-binding protein FUS	2
L-lactate dehydrogenase;L-lactate dehydrogenase A chain	3;4
Sodium channel protein	3
Apolipoprotein E	3
Signal recognition particle 54 kDa protein	3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	3
Cyclin-dependent kinase 5 activator 1;Cyclin-dependent kinase 5 activator 1, p35;Cyclin-	3
Guanine nucleotide-binding protein G(i) subunit alpha-1	2;3
Guanine nucleotide-binding protein G(k) subunit alpha	3
Ectoderm-neural cortex protein 1	3
Axin-2	2
ADP-ribosylation factor 4;ADP-ribosylation factor 1;ADP-ribosylation factor 3;ADP-ribosyl	3
ADP-ribosylation factor 6	3
Clathrin heavy chain 1;Clathrin heavy chain	2;3
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1	2;3

Actin-related protein 3	2;3	
Lamin-B1;Lamin-B2		3
Actin-related protein 3B		3
Alpha-mannosidase;Alpha-mannosidase 2C1		3
WD repeat-containing protein 7		3
Neuronal calcium sensor 1		3
26S protease regulatory subunit 6A		3
Amphotericin-induced protein 1		3
Transmembrane protein 163		3
Gamma-aminobutyric acid receptor subunit delta	2;3	
Cationic amino acid transporter 4		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 13;Ubiquitin		3
Diacylglycerol kinase;Diacylglycerol kinase zeta		3
DnaJ homolog subfamily B member 4		3
Alpha/beta hydrolase domain-containing protein 17B		2
cAMP-dependent protein kinase catalytic subunit alpha;cAMP-dependent protein kinase		2
Glutaredoxin-1		2
PH and SEC7 domain-containing protein 3	2;3;4	
Pericentriolar material 1 protein		3
Receptor protein-tyrosine kinase;Tyrosine-protein kinase receptor UFO		3
Kinesin heavy chain isoform 5C		2
LIM and SH3 domain protein 1	2;3	
Acyl-coenzyme A thioesterase 11		4
ADP-ribosylation factor-like protein 3		3
Hepatocyte cell adhesion molecule	2;3	
LanC-like protein 2		3
LanC-like protein 2	3;4	
Coatomer subunit delta	2;3	
Syntaxin-1A	2;3	
ERC protein 2		3
Zinc transporter 3	2;3	
Kinesin-associated protein 3	2;3	
Exportin-7		3
Synaptosomal-associated protein 25		4
RNA-binding protein Raly		3
Cleft lip and palate transmembrane protein 1 homolog		3
Phospholipase ABHD3		3
Hypoxanthine-guanine phosphoribosyltransferase		2
Sodium-coupled neutral amino acid transporter 9	2;3	
Oxytocin receptor		3
Small glutamine-rich tetratricopeptide repeat-containing protein alpha	3;4;5	
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1		3
Plasma membrane calcium-transporting ATPase 1	2;3	
Calcium-transporting ATPase		3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	2;3	
NFX1-type zinc finger-containing protein 1		3
Brefeldin A-inhibited guanine nucleotide-exchange protein 3		3
Small ubiquitin-related modifier 1		4
60S ribosomal protein L13a		3
Cytoplasmic dynein 1 heavy chain 1		3

60S ribosomal protein L7a	2;3	
Protein orai-2		3
Histamine H3 receptor		3
Atlastin-1		4
TIP41-like protein		3
Nucleolar transcription factor 1		3
40S ribosomal protein S4, X isoform;40S ribosomal protein S4		3
E3 ubiquitin-protein ligase ARIH1	3;4	
	2;3	
UPF0183 protein C16orf70 homolog		3
Ubiquitin-conjugating enzyme E2 N	2;3	
Low-density lipoprotein receptor-related protein 4		3
UBX domain-containing protein 7		3
BTB/POZ domain-containing protein KCTD16	3;4	
Sphingomyelin phosphodiesterase 3	2;3	
Adenine phosphoribosyltransferase		3
Neurobeachin		4
Protein piccolo	2;3	
Phosphomevalonate kinase	2;3	
Vacuolar protein sorting-associated protein 35	2;3	
Vacuolar protein sorting-associated protein 35		3
Transmembrane protein 176B	2;4	
		3
Gap junction alpha-1 protein		2
NHP2-like protein 1;NHP2-like protein 1, N-terminally processed		3
Eukaryotic translation initiation factor 3 subunit A		3
GTP-binding protein Rheb		3
26S protease regulatory subunit 6A	2;3	
Beta-soluble NSF attachment protein		3
Alpha-soluble NSF attachment protein	3;4	
Solute carrier family 12 member 2	2;3	
Protein FAM26E	2;3	
Cullin-associated NEDD8-dissociated protein 1		2
NACHT and WD repeat domain-containing protein 2		3
Glutamate receptor ionotropic, NMDA 2A		3
26S protease regulatory subunit 10B		3
ERC protein 2;ELKS/Rab6-interacting/CAST family member 1		3
Activated CDC42 kinase 1	2;3	
Intermediate filament family orphan 1		3
Protein FAM171A2	2;3	
Catenin alpha-2		3
Heterogeneous nuclear ribonucleoprotein U		3
Ankyrin repeat domain-containing protein 46	2;3	
Unconventional myosin-Va		3
Cilia- and flagella-associated protein 36		3
		3
V-type proton ATPase subunit d 1	2;3	
Neuralized-like protein 4		3
E3 ubiquitin-protein ligase RNF180		2
Ubiquitin-like protein 4A		4

Protein FAM188A	2;3	
Sodium/calcium exchanger 1	2;3	
Transaldolase	2;3	
Histone H2AX;Histone H2A type 2-B		3
Regulator of nonsense transcripts 1		4
Talin-2	2;3	
Talin-2		3
Tyrosine-protein phosphatase non-receptor type 5		3
Dynactin subunit 2		3
Dynactin subunit 2		3
Catenin beta-1	4;5	
Serine--tRNA ligase, cytoplasmic		3
Ran GTPase-activating protein 1	3;4	
Heterogeneous nuclear ribonucleoprotein K		4
Phosphoinositide phospholipase C		4
NAD-dependent protein deacetylase sirtuin-2		2
Nesprin-1		3
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1		3
DEP domain-containing protein 5	2;3	
Mesoderm-specific transcript protein	2;3	
Asparagine synthetase [glutamine-hydrolyzing]		3
Centromere protein V		4
		3
Calcium/calmodulin-dependent protein kinase type II subunit delta;Calcium/calmodulin-	2;3	
Calcium/calmodulin-dependent protein kinase type II subunit beta	2;3	
Vacuolar protein sorting-associated protein 35		3
Phospholipid-transporting ATPase 1A	2;3	
Microtubule-actin cross-linking factor 1	2;3	
Ras-specific guanine nucleotide-releasing factor 1		4
ADP-ribosylation factor-binding protein GGA1		3
E3 ubiquitin-protein ligase ARIH1	3;4;5	
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2		3
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1		3
Syntaxin-8		3
Regulator complex protein LAMTOR1	3;4	
		3
Long-chain-fatty-acid--CoA ligase 1		3
E3 ubiquitin-protein ligase MIB1		3
Guanine nucleotide-binding protein G(o) subunit alpha;Guanine nucleotide-binding prote	2;3	
Anion exchange protein;Electrogenic sodium bicarbonate cotransporter 1		4
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed		3
Histone H2B type 1-C/E/G;Histone H2B type 1-H;Histone H2B type 1-F/J/L;Histone H2B ty	2;3;4	
Protein furry homolog		3
ADP/ATP translocase 1	2;3;4	
ADP/ATP translocase 2;ADP/ATP translocase 2, N-terminally processed		2
Poly(rC)-binding protein 1;Poly(rC)-binding protein 2;Poly(rC)-binding protein 3	2;3	
DNA damage-inducible transcript 4 protein		3
Insulin-degrading enzyme		3
TBC1 domain family member 9		3

Catenin beta-1	3;4	
Anoctamin-3		2
Adenylate cyclase type 1		3
Adenylate cyclase type 1		4
Hexokinase-1;Hexokinase		2
Retinal dehydrogenase 1;Aldehyde dehydrogenase, cytosolic 1		3
Translin	2;3	
		3
Serine/threonine-protein kinase WNK2		3
Sodium channel protein;Sodium channel protein type 8 subunit alpha	2;3	
Sodium channel protein;Sodium channel protein type 8 subunit alpha		3
Sodium channel protein;Sodium channel protein type 8 subunit alpha	2;3;4	
E3 ubiquitin-protein ligase RNF152		4
Rho guanine nucleotide exchange factor 7		3
Calbindin		3
Heat shock-related 70 kDa protein 2;Heat shock cognate 71 kDa protein		2
Coiled-coil domain-containing protein 50		2
T-complex protein 1 subunit delta		3
PH domain leucine-rich repeat-containing protein phosphatase 1	2;3	
Vacuolar protein sorting-associated protein 45		3
ATP-sensitive inward rectifier potassium channel 10	2;3;4	
Sequestosome-1		3
Short transient receptor potential channel 4-associated protein		2
Solute carrier family 12 member 2		4
Cytospin-B	2;3	
Long-chain-fatty-acid--CoA ligase 6	3;4	
Lamin-B2		3
Exportin-1		3
Gap junction beta-1 protein	2;3	
Amine oxidase [flavin-containing] A		3
Importin subunit alpha;Importin subunit alpha-7		3
Voltage-gated potassium channel subunit beta-1		2
Disco-interacting protein 2 homolog B		3
Ras/Rap GTPase-activating protein SynGAP	2;3	
26S proteasome non-ATPase regulatory subunit 2	2;3	
E3 ubiquitin-protein ligase TRIM23		2
Sn1-specific diacylglycerol lipase beta		3
E3 ubiquitin-protein ligase HUWE1		3
Neurochondrin	2;3;4	
Endomucin		3
Melanoma-associated antigen D1		2
Baculoviral IAP repeat-containing protein 6	2;3	
Probable G-protein coupled receptor 27		3
Protein quaking	2;3	
Vacuolar protein sorting-associated protein 29	3;4	
Ephexin-1		3
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1;Guanine nucleotide-bi		3
Na(+)/H(+) exchange regulatory cofactor NHE-RF1	2;3	
Na(+)/H(+) exchange regulatory cofactor NHE-RF1		3
Na(+)/H(+) exchange regulatory cofactor NHE-RF2		3

Plexin-A4;Plexin-A2	2;3	
Erythroid membrane-associated protein		4
Sphingomyelin phosphodiesterase 3		3
Calcium-dependent secretion activator 1		3
Vacuolar protein sorting-associated protein 35		3
GRAM domain-containing protein 4		3
Arginine--tRNA ligase, cytoplasmic		3
UPF0587 protein C1orf123 homolog		3
Probable global transcription activator SNF2L2;Transcription activator BRG1		3
Protein TANC2		2
Probable ATP-dependent RNA helicase DDX5		2
Basic leucine zipper and W2 domain-containing protein 1		3
40S ribosomal protein S3a		3
Fatty acid-binding protein, epidermal	3;4	
Fatty acid-binding protein, epidermal	2;3;4	
		3
IST1 homolog		3
FERM, RhoGEF and pleckstrin domain-containing protein 1		3
ATPase WRNIP1		3
Ubiquitin-conjugating enzyme E2 variant 1;Ubiquitin-conjugating enzyme E2 variant 2	2;3	
Vesicular glutamate transporter 1	2;3	
Vesicular glutamate transporter 1		3
E3 ubiquitin-protein ligase listerin		3
Multivesicular body subunit 12A		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		3
Centriolar coiled-coil protein of 110 kDa		2
LMBR1 domain-containing protein 2		3
Tripartite motif-containing protein 44	2;3	
Tripartite motif-containing protein 44		3
DDB1- and CUL4-associated factor 7		3
		3
Phospholipase D3		3
Phospholipase D3	3;4	
Ras-specific guanine nucleotide-releasing factor 1	3;4	
Platelet-activating factor acetylhydrolase IB subunit alpha	2;3	
Platelet-activating factor acetylhydrolase IB subunit alpha	2;3;4	
Platelet-activating factor acetylhydrolase IB subunit alpha	2;3;4	
Modulator of apoptosis 1	2;3	
Modulator of apoptosis 1		3
Phosphoinositide phospholipase C		3
RWD domain-containing protein 1		3
V-type proton ATPase subunit H		3
High affinity choline transporter 1		3
ATP-binding cassette sub-family D member 2		3
Regulator of microtubule dynamics protein 2		3
Protein SET		3
Stromal membrane-associated protein 1		3
Solute carrier family 12 member 5	2;3	
Dual specificity mitogen-activated protein kinase kinase 4		3
Pyruvate kinase PKM	3;4;5	

GTP-binding protein Di-Ras2	3;4	3
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet		3
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet		3
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet	3;4	
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet	3;4	
ADP-ribosylation factor-like protein 2		3
WD repeat-containing protein 7	2;3	
60S ribosomal protein L7		3
Alpha-actinin-2	3;5	
Saccharopine dehydrogenase-like oxidoreductase		3
Dual specificity protein phosphatase CDC14A		2
NEDD8 ultimate buster 1		3
Visinin-like protein 1		3
Vacuolar protein sorting-associated protein 35		3
		3
	3;4	
Heat shock 70 kDa protein 4	2;3	
Trafficking protein particle complex subunit 13		4
Proteasome subunit beta type-3		3
Ubiquitin carboxyl-terminal hydrolase		3
Transmembrane protein 200A		3
Myc box-dependent-interacting protein 1	3;4	
GA-binding protein alpha chain		3
N-alpha-acetyltransferase 50	2;3	
ATP-dependent RNA helicase A	2;3	
Neuron-specific protein family member 2	4;5	
Neuron-specific protein family member 2	4;5	
Eukaryotic initiation factor 4A-I		3
E3 ubiquitin-protein ligase TM129	3;4	
Zinc transporter ZIP10		3
Potassium voltage-gated channel subfamily H member 7		3
Tyrosine-protein kinase Mer		3
Eukaryotic initiation factor 4A-II;Eukaryotic initiation factor 4A-II, N-terminally processed		3
Ribose-phosphate pyrophosphokinase 1		3
Ribose-phosphate pyrophosphokinase 2		4
Inverted formin-2	2;3	
Stathmin-3		3
AP-2 complex subunit mu	2;3;4	
Synaptotagmin-7		3
Protein phosphatase 1 regulatory subunit 29	2;3	
Mitochondrial import receptor subunit TOM20 homolog		3
Leucine--tRNA ligase, cytoplasmic		3
Cyclin-dependent-like kinase 5		3
Metastasis-associated protein MTA1		3
Protein lunapark		3
Eukaryotic translation initiation factor 5A;Eukaryotic translation initiation factor 5A-1	2;3	
Heat shock 70 kDa protein 12A		3
Cleavage and polyadenylation specificity factor subunit 5		3
Catenin delta-2		4

Pecanex-like protein 3	5
Coiled-coil domain-containing protein 50	3
Baculoviral IAP repeat-containing protein 6	3
Creatine kinase B-type	2;3
Phosphoserine aminotransferase	4
	4
U5 small nuclear ribonucleoprotein 200 kDa helicase	3
Septin-7	3
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet	3
ATP-dependent 6-phosphofructokinase, muscle type	3
Elongation factor 1-alpha 2;Elongation factor 1-alpha 1	2;3
Baculoviral IAP repeat-containing protein 6	3
Ankyrin repeat domain-containing protein 13D	3;4
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA	3
Charged multivesicular body protein 2a	3
Flotillin-1	3
Ras/Rap GTPase-activating protein SynGAP	3;4
Heme oxygenase 2	3;4
ADP-ribosylation factor-like protein 10	3
Carnitine O-palmitoyltransferase 1, liver isoform	3
ATP-binding cassette sub-family A member 2	3
Vascular endothelial growth factor receptor 1	2;3
Inactive hydroxysteroid dehydrogenase-like protein 1	2;3
Spectrin beta chain, non-erythrocytic 1	3
Exportin-7	3
Cholesterol 24-hydroxylase	2;3
Long-chain-fatty-acid--CoA ligase 3;Long-chain-fatty-acid--CoA ligase 4	3
Ribosomal protein L19;60S ribosomal protein L19	3
26S proteasome non-ATPase regulatory subunit 4	4
Amyloid beta A4 precursor protein-binding family B member 1	3
Adenylate cyclase type 5	3
Nck-associated protein 1	3
Sodium- and chloride-dependent taurine transporter	3
Nuclear pore complex protein Nup85	3
Vimentin	3
E3 ubiquitin-protein ligase HERC2	2;3
Phospholipid-transporting ATPase IA	3
Calcium/calmodulin-dependent protein kinase II inhibitor 1	3;4
cAMP-dependent protein kinase type II-alpha regulatory subunit;cAMP-dependent prote	3
UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit	3
Guanine nucleotide-binding protein G(s) subunit alpha isoforms short;Guanine nucleotid	2;3
Tetratricopeptide repeat protein 9C	3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 14	2;3
Signal-induced proliferation-associated 1-like protein 1	2
KH domain-containing, RNA-binding, signal transduction-associated protein 1	3
Synaptojanin-2-binding protein	2;3
Protein FAM49B	2;3
Transcription intermediary factor 1-beta	3
Clathrin light chain B	2
Importin-5	3

	2
Syntaxin-12	4
NEDD8-activating enzyme E1 catalytic subunit	3
NEDD8-activating enzyme E1 catalytic subunit	3;4
Exocyst complex component 4	3
Phosphatidate cytidyltransferase;Phosphatidate cytidyltransferase 2	3
Large proline-rich protein BAG6	2;3;4
Vesicle-associated membrane protein-associated protein A	3
Prefoldin subunit 6	2
Malate dehydrogenase, cytoplasmic	2;3
Malate dehydrogenase, cytoplasmic	2;3;4
Seizure 6-like protein 2	3;4
Tetratricopeptide repeat protein 39C	3
Adenylate cyclase type 2	3
Adenylate cyclase type 2	3;4
Adenylate cyclase type 2	4
Spectrin beta chain, erythrocytic	2
E3 ubiquitin-protein ligase TTC3	3
Calcium-dependent secretion activator 1	3
Calcium-dependent secretion activator 2	3
Band 4.1-like protein 1	3
Lamin-B2	3
Lamin-B1	3
Disks large homolog 4	4
Protein SOGA3	3
Microfibrillar-associated protein 3-like;Microfibril-associated glycoprotein 3	2;3
Sodium- and chloride-dependent GABA transporter 3	2;3
ZW10 interactor	2;3
26S proteasome non-ATPase regulatory subunit 3	3
Tyrosine-protein kinase Mer	2;3
Prelamin-A/C;Lamin-A/C	3
14-3-3 protein theta	2;3
Mitochondrial fission factor	2;3
Aconitate hydratase, mitochondrial	3
Cortactin-binding protein 2	3
Unconventional myosin-Va	2;3
60S ribosomal protein L30	2
Phenylalanine--tRNA ligase alpha subunit	3
Epsin-1	2
Tripartite motif-containing protein 35	3
Proteasome subunit alpha type-3	3
Myosin-10	3
Engulfment and cell motility protein 1	3
TBC1 domain family member 17	3
Peptidyl-prolyl cis-trans isomerase D	2;3
Ral GTPase-activating protein subunit alpha-1	3
Plexin-B2	3
Mitochondrial import receptor subunit TOM7 homolog	3
E3 ubiquitin-protein ligase MIB1	3
Spectrin alpha chain, non-erythrocytic 1	4

Rab5 GDP/GTP exchange factor	4
Aldehyde dehydrogenase;Fatty aldehyde dehydrogenase	2
Dishevelled-associated activator of morphogenesis 1	3
Dynein light chain roadblock-type 1	3
Dynamin-1	2;3
Protein RUFY3	3
MAGUK p55 subfamily member 6	3
Microtubule-associated protein;Microtubule-associated protein tau	2;3
	3
Serum albumin	2;3;4
Calcium-dependent secretion activator 1	5
Early endosome antigen 1	2;3
Spartin	3
WD repeat-containing protein 7	3
T-complex protein 1 subunit gamma	3
UPF0696 protein C11orf68 homolog	2
Spectrin alpha chain, non-erythrocytic 1	2;3
Potassium voltage-gated channel subfamily KQT member 3	3;4
Atlastin-2	4
	3
Cholesterol 24-hydroxylase	3
Cytohesin-2	3
Creatine kinase B-type	4;5
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet	3
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet	3
Mitochondrial import receptor subunit TOM70	3
	2;3;4
	3;4
	3
Platelet-derived growth factor receptor alpha	3
Hsc70-interacting protein	2
Protein zer-1 homolog	2;3
General vesicular transport factor p115	3
Brain-enriched guanylate kinase-associated protein	2
cGMP-dependent 3',5'-cyclic phosphodiesterase	2;3
	3
Mediator of RNA polymerase II transcription subunit 14	2
Ubiquitin-associated and SH3 domain-containing protein B	3
Spectrin beta chain, non-erythrocytic 1	3
Spectrin beta chain, non-erythrocytic 1	3;4;5
Solute carrier family 22 member 15	3
WD repeat-containing protein 47	2
Syntaxin-1B	3
Vang-like protein 2	3
Tubulin-folding cofactor B	2;3
F-box only protein 41	2;3
Phosducin-like protein 3	3
Ras GTPase-activating protein 3	3
Transaldolase	3
Mast/stem cell growth factor receptor Kit	2;3

DmX-like protein 2	3
Kinesin heavy chain isoform 5C;Kinesin heavy chain isoform 5A;Kinesin-1 heavy chain;Kin	3
MARCKS-related protein	2
Protein-methionine sulfoxide oxidase MICAL3	3
Phosphomevalonate kinase	2;3
60 kDa SS-A/Ro ribonucleoprotein	3;4
Small glutamine-rich tetratricopeptide repeat-containing protein beta	2
Adaptin ear-binding coat-associated protein 1	2
Phospholipase A-2-activating protein	3;4
Toll-interacting protein	2;3
Glutamate receptor 3	3
Transmembrane protein 59	2;3
Amine oxidase [flavin-containing] A	3
ATP-binding cassette sub-family B member 9	2
	2
Uncharacterized protein C17orf64 homolog	3
Protein PAT1 homolog 1	3
General transcription factor 3C polypeptide 4	3
Hexokinase-1;Hexokinase	2;3
Transmembrane emp24 domain-containing protein 5	3
	3
Hippocalcin-like protein 1	3
DnaJ homolog subfamily A member 1	3
Kinesin-like protein;Kinesin-like protein KIF1A	3
Astrotactin-1	2
HIV Tat-specific factor 1 homolog	4
Band 4.1-like protein 2	3;4;5
Band 4.1-like protein 2	3
60 kDa SS-A/Ro ribonucleoprotein	2
Nuclear pore complex protein Nup93	3
Gap junction beta-1 protein	3
Desumoylating isopeptidase 1	3;4;5
Rab3 GTPase-activating protein non-catalytic subunit	3
Netrin receptor UNC5C	3
Lipid phosphate phosphatase-related protein type 2	5
Lipid phosphate phosphatase-related protein type 2	3
Protein arginine N-methyltransferase 5	2;3;4
A-kinase anchor protein 5	3
PH and SEC7 domain-containing protein 3	2;3;4
Receptor-type tyrosine-protein phosphatase S	3;4
UPF0606 protein KIAA1549	2;3
Kelch-like protein 11	3
Histidine--tRNA ligase, cytoplasmic	2;3
NF-kappa-B inhibitor-interacting Ras-like protein 1	3
Disks large-associated protein 1	3
Disks large-associated protein 1	3
Kinesin heavy chain isoform 5C	2;3
5-hydroxytryptamine receptor 2A	3
CAD protein;Glutamine-dependent carbamoyl-phosphate synthase;Aspartate carbamoyl	2;3
Elongation factor 1-delta	3

Sprouty-related, EVH1 domain-containing protein 1	3
2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial	2
E3 ubiquitin-protein ligase HERC2	4
Voltage-gated potassium channel subunit beta-2	4
Voltage-gated potassium channel subunit beta-2	2;3;4;5
Voltage-gated potassium channel subunit beta-2	3
Voltage-dependent L-type calcium channel subunit beta-1	3
Myotubularin-related protein 5	3
Sodium channel subunit beta-2	2;3
Sodium channel subunit beta-2	3;4
Sodium channel subunit beta-2	4
Sodium channel subunit beta-2	3
Sodium channel subunit beta-2	3
Reticulon-4	3
Protein lifeguard 2	3;4
Protein lifeguard 2	4
Protein lifeguard 2	5
Tubulin alpha-4A chain;Tubulin alpha-1B chain;Tubulin alpha-1A chain;Tubulin alpha-3 cl	2
Puromycin-sensitive aminopeptidase	3
Ankyrin repeat and BTB/POZ domain-containing protein 2	3
Sn1-specific diacylglycerol lipase beta	3
Ubiquitin carboxyl-terminal hydrolase 30	3
60S ribosomal protein L34	3
Protein dopey-2	3
Homer protein homolog 1	3
NmrA-like family domain-containing protein 1	3
Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform	2;3;4
Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform	2;3;4
UPF0568 protein C14orf166 homolog	3;4
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IIA	3
	3
Proteasome subunit beta type-1	3;4
Tyrosine-protein kinase Fyn	2
Protein argonaute-1;Protein argonaute-4;Protein argonaute-3	2
Fatty acid-binding protein, brain	3
Trafficking protein particle complex subunit 13	2
Tubulin polymerization-promoting protein	3
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1	2;3
Neurofilament medium polypeptide	3
cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A	2;3
Podocalyxin	4
Cyclin-dependent kinase 17;Cyclin-dependent kinase 18	3
	3
Oxysterol-binding protein;Oxysterol-binding protein-related protein 1	4
Voltage-dependent anion-selective channel protein 1	2;3
Voltage-dependent anion-selective channel protein 2	2
Protein EFR3 homolog B	3
	3
DmX-like protein 2	4
Cofilin-1	2;3

Cofilin-1	3;4	
Spectrin beta chain, non-erythrocytic 1		3
Spectrin beta chain, non-erythrocytic 1	2;3;4	
Uracil nucleotide/cysteinyl leukotriene receptor		3
Flotillin-1	3;4	
Bifunctional glutamate/proline--tRNA ligase;Glutamate--tRNA ligase;Proline--tRNA ligase		3
Ubiquitin-conjugating enzyme E2 A		3
Glutamate receptor 2		3
Neural Wiskott-Aldrich syndrome protein		5
Pre-mRNA-processing-splicing factor 8		3
Glutamate receptor 3	3;4	
Glutamate receptor 3	3;4	
26S proteasome non-ATPase regulatory subunit 8		3
		3
Phosphoglycerate kinase 1;Phosphoglycerate kinase		3
Phosphoglycerate kinase 1;Phosphoglycerate kinase		3
Ankyrin repeat domain-containing protein 13A	2;3	
Ankyrin repeat domain-containing protein 13A		3
Voltage-dependent anion-selective channel protein 3	2;3	
Dystroglycan;Alpha-dystroglycan;Beta-dystroglycan	2;3	
C-Maf-inducing protein	2;3	
Voltage-dependent anion-selective channel protein 3	3;4	
Voltage-dependent anion-selective channel protein 1		3
Voltage-dependent anion-selective channel protein 2		4
Signal recognition particle subunit SRP72	2;3	
Voltage-dependent calcium channel gamma-3 subunit	4;5	
Early endosome antigen 1		3
Signal recognition particle subunit SRP72	2;3	
		2
		3
Necdin		4
Adenylate cyclase type 9	2;3	
Ras-related C3 botulinum toxin substrate 1		3
Ras-related C3 botulinum toxin substrate 1	2;3	
Dynactin subunit 2	2;3	
UPF0568 protein C14orf166 homolog		2
Fatty acid synthase;[Acyl-carrier-protein] S-acetyltransferase;[Acyl-carrier-protein] S-mal	2;3	
NEDD8-activating enzyme E1 catalytic subunit		2
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase delta		3
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase delta		3
Neural proliferation differentiation and control protein 1	2;3	
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	3;4	
40S ribosomal protein S13	2;3	
Pseudopodium-enriched atypical kinase 1		3
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2		2
Zinc finger E-box-binding homeobox 2		3
Ankyrin repeat domain-containing protein 13A		3
Neuronal proto-oncogene tyrosine-protein kinase Src		3
Cullin-associated NEDD8-dissociated protein 1		3
Hydroxyacylglutathione hydrolase, mitochondrial	3;4	

Microtubule-associated protein RP/EB family member 3	3
Neuronal-specific septin-3	3
	3
	4
Sodium- and chloride-dependent GABA transporter 3	2;3
Sodium- and chloride-dependent GABA transporter 3	3
Synaptotagmin-1	3
E3 ubiquitin-protein ligase RNF14	3
Protein transport protein Sec31A	3
Syntaxin-7	2;3
Phytanoyl-CoA hydroxylase-interacting protein-like;Phytanoyl-CoA hydroxylase-interactir	2;3
Synaptic vesicle membrane protein VAT-1 homolog	2;3;4
BRCA1-associated protein	3;4
Proline synthase co-transcribed bacterial homolog protein	4
cGMP-dependent 3',5'-cyclic phosphodiesterase	3
Long-chain-fatty-acid--CoA ligase 6	3
Ras-related protein Rab-3B	3
Armadillo repeat protein deleted in velo-cardio-facial syndrome homolog	2
Ras-related protein Rab-3C	3
Protein EFR3 homolog B	3
Protein pelota homolog	2
Spectrin beta chain, non-erythrocytic 1	3
Long-chain-fatty-acid--CoA ligase 1	3
Ras-related protein Rab-3A	2;3;4
Ras-related protein Rab-3A	3
AP-2 complex subunit alpha-1	3
F-actin-capping protein subunit beta	2;3
Heat shock protein 105 kDa	3
Ras-related protein Rab-39B	3
A-kinase anchor protein 7 isoform alpha;A-kinase anchor protein 7 isoform gamma	3
A-kinase anchor protein 7 isoform alpha;A-kinase anchor protein 7 isoform gamma	3;4
Na(+)/H(+) exchange regulatory cofactor NHE-RF1	2;3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2	2;3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2	2
Glycylpeptide N-tetradecanoyltransferase;Glycylpeptide N-tetradecanoyltransferase 2	3
	2;3;4
	3;4
Ryanodine receptor 2	3;4
Ras-related protein Rab-6B;Ras-related protein Rab-6A	2;3
Ataxin-10	2;3;4
Catenin delta-2	3;4
Non-POU domain-containing octamer-binding protein	3
Glyceraldehyde-3-phosphate dehydrogenase	2
Poly(rC)-binding protein 4	3
cAMP-dependent protein kinase type II-beta regulatory subunit	3;4
Kinesin-associated protein 3	4
Cullin-9	3
Protein IMPACT	3
Glutamine synthetase	3
Ubiquitin carboxyl-terminal hydrolase 25	3

GTP-binding nuclear protein Ran		3
Multidrug resistance protein 1A		3
Multidrug resistance protein 1A		4
Vesicle transport through interaction with t-SNAREs homolog 1B	2;3	
T-complex protein 1 subunit theta	3;4	
	2;3	
Cytoplasmic dynein 1 heavy chain 1		3
Cytoplasmic dynein 1 heavy chain 1		3
Elongation factor 1-beta		3
Peroxiredoxin-1	4;5	
Peroxiredoxin-2	3;4;5	
Peroxiredoxin-2		6
Protein-methionine sulfoxide oxidase MICAL3		2
Serum albumin		3
Mitochondrial amidoxime reducing component 2		3
Prostate tumor-overexpressed gene 1 protein homolog		4
Coiled-coil domain-containing protein 50	3;4	
NSFL1 cofactor p47		3
Glia maturation factor beta;Glia maturation factor gamma		2
Vacuolar protein sorting-associated protein 45	2;3	
Histidine--tRNA ligase, cytoplasmic		3
Huntingtin		4
Brain-specific angiogenesis inhibitor 1		3
Proteasome subunit alpha type-1	2;3	
Spectrin beta chain, non-erythrocytic 1		3
Selenoprotein W		2
WD repeat-containing protein 41		3
Histone H1.0;Histone H1.0, N-terminally processed		3
ER membrane protein complex subunit 1		3
Poly(rC)-binding protein 2	2;3	
Poly(rC)-binding protein 3		3
Ubiquitin-conjugating enzyme E2 K	3;4	
Cell division cycle protein 23 homolog		3
SUMO-activating enzyme subunit 1;SUMO-activating enzyme subunit 1, N-terminally pro		3
Solute carrier family 2, facilitated glucose transporter member 3		3
Solute carrier family 2, facilitated glucose transporter member 3		3
E3 ubiquitin-protein ligase NEDD4-like		3
Guanine nucleotide-binding protein G(i) subunit alpha-1	2;3	
NSFL1 cofactor p47		3
Ubiquitin carboxyl-terminal hydrolase 11	2;3	
Synapsin-2	2;3;4	
Synapsin-2	3;4	
	3;4	
NADH-cytochrome b5 reductase 3;NADH-cytochrome b5 reductase 3 membrane-bound		3
Cullin-2		3
Spectrin beta chain, non-erythrocytic 1		3
Probable G-protein coupled receptor 158	2;3	
E3 ubiquitin-protein ligase ARIH1		2
	2;3	
Constitutive coactivator of PPAR-gamma-like protein 1		3

CSC1-like protein 2		3
Lamin-B1	3;4	
Rho guanine nucleotide exchange factor 2		3
Pre-mRNA-processing-splicing factor 8		3
Chondroitin sulfate proteoglycan 5	2;3	
AP-3 complex subunit beta-2;AP-3 complex subunit beta-1		3
Kinesin heavy chain isoform 5C;Kinesin heavy chain isoform 5A;Kinesin-1 heavy chain;Kin		3
Ectoderm-neural cortex protein 1	2;3	
Elongator complex protein 2		3
Calcium/calmodulin-dependent protein kinase type II subunit delta;Calcium/calmodulin-	2;3	
Calcium/calmodulin-dependent protein kinase type II subunit delta;Calcium/calmodulin-		4
Proteasome subunit alpha type-7;Proteasome subunit alpha type-7-like		3
Potassium voltage-gated channel subfamily H member 5;Potassium voltage-gated chann	2;3	
Cilia- and flagella-associated protein 20		3
Glutathione S-transferase Mu 1;Glutathione S-transferase Mu 7;Glutathione S-transferas	2;3	
AP-3 complex subunit beta-2		3
2',3'-cyclic-nucleotide 3'-phosphodiesterase		2
Thioredoxin-like protein 1	2;3	
Protein quaking		2
Desumoylating isopeptidase 1		3
Hepatocyte growth factor-regulated tyrosine kinase substrate		3
E3 ubiquitin-protein ligase HECTD1	2;3	
E3 ubiquitin-protein ligase UBR4		3
E3 ubiquitin-protein ligase UBR4		3
Fatty acid-binding protein, epidermal		3
		3
Heme oxygenase 2		3
Protein NDRG2		3
Bridging integrator 2		2
Exportin-5		3
Apoptosis regulator BAX		3
Apoptosis regulator BAX		3
Apoptosis regulator BAX		3
Puromycin-sensitive aminopeptidase		3
Rab GDP dissociation inhibitor alpha	2;3	
Rab GDP dissociation inhibitor alpha		3
		2
Hexokinase-1;Hexokinase		3
Beta-soluble NSF attachment protein		3
		3
T-complex protein 1 subunit gamma		3
Flotillin-2		3
Syntaxin-16		3
Probable cation-transporting ATPase 13A2		3
Exportin-1	3;4	
Elongation factor 1-gamma		2
Huntingtin-interacting protein 1		3
		2
26S protease regulatory subunit 6A		3
26S protease regulatory subunit 6A		3

Tubulin beta-5 chain		3
Prolyl endopeptidase-like		2
Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform		2
Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform		3
Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform		3
14-3-3 protein epsilon		3
14-3-3 protein epsilon		3
Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform		2
Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform		2
Protein NDRG3	2;3	
Protein NDRG3	2;3	
Protein NDRG3		3
		3
V-type proton ATPase catalytic subunit A		2
Complexin-2		2
Polypyrimidine tract-binding protein 2		2
Pannexin-1		3
Integrin beta	2;3	
14-3-3 protein zeta/delta		2
14-3-3 protein zeta/delta		2
14-3-3 protein zeta/delta	2;3	
14-3-3 protein zeta/delta	2;3	
Visinin-like protein 1		3
		3
Suppressor of cytokine signaling 5		2
Microtubule-associated protein 4		3
E2/E3 hybrid ubiquitin-protein ligase UBE2O		3
Malate dehydrogenase, cytoplasmic	2;3	
		3
		2
Alpha-soluble NSF attachment protein	2;3	
Alpha-soluble NSF attachment protein	2;3	
Hippocalcin-like protein 4		3
Hippocalcin-like protein 4		4
Syntaxin-1B	2;3	
Syntaxin-1B	2;3	
Syntaxin-1B	2;3	
Elongation factor 1-alpha 2		3
Elongation factor 1-alpha 1		2
Alpha-synuclein		2
Beta-synuclein		2
Synaptotagmin-1;Synaptotagmin-2	2;3;4	
		2
		2
MOB kinase activator 2		3
SEC14 domain and spectrin repeat-containing protein 1		2
Phosphoserine aminotransferase		2
Mitochondrial fission 1 protein	2;3	
Heterogeneous nuclear ribonucleoprotein D-like	2;3	
Synaptosomal-associated protein 47		3

Synaptosomal-associated protein 47	4
N-alpha-acetyltransferase 10;N-alpha-acetyltransferase 11	3
Lamina-associated polypeptide 2, isoforms beta/delta/epsilon/gamma	3
Guanine nucleotide-binding protein subunit alpha-11;Guanine nucleotide-binding protein 2;3	
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-13	2
Dynamin-1	2;3
Complexin-1	2
Synaptogyrin-1	2;3
Synaptogyrin-1	2
Vesicle-fusing ATPase	3
Anion exchange protein;Sodium-driven chloride bicarbonate exchanger	2;3
Tropomyosin alpha-4 chain	3
Nucleoprotein TPR	3
14-3-3 protein theta	2
14-3-3 protein theta	2
Synaptopodin	2;3;4
Synaptopodin	3
Multidrug resistance protein 1A	2
Multidrug resistance protein 1A	2
Cilia- and flagella-associated protein 36	3
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12	2
Acidic leucine-rich nuclear phosphoprotein 32 family member E	3
Sodium/hydrogen exchanger 1	3
UV excision repair protein RAD23 homolog A	2;3
F-box/WD repeat-containing protein 11	2;3
Protein stum homolog	2;3;4
Protein stum homolog	3
Large proline-rich protein BAG6	3
DCN1-like protein;DCN1-like protein 1	2
DCN1-like protein;DCN1-like protein 1	2;3
E3 ubiquitin-protein ligase NEDD4	5
Fibroblast growth factor 12	2
Septin-5	3
	3
Abl interactor 2;Abl interactor 1	3;4
Protein-L-isoaspartate O-methyltransferase domain-containing protein 2	3
2',3'-cyclic-nucleotide 3'-phosphodiesterase	3
Heterogeneous nuclear ribonucleoprotein A3	3
60S ribosomal protein L4	3
Hemoglobin subunit alpha	3;5
Hemoglobin subunit alpha	3;4;5
Protein unc-13 homolog A	2;3
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1	3
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1	4
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2;Potassi	2
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2;Potassi	2;3
Heterogeneous nuclear ribonucleoprotein D-like	3
Heterogeneous nuclear ribonucleoprotein D0	2;3
Heterogeneous nuclear ribonucleoprotein D0	2;3
EF-hand domain-containing protein D2	3

E3 ubiquitin-protein ligase pellino homolog 1	3
Heterogeneous nuclear ribonucleoprotein A/B	2
Heterogeneous nuclear ribonucleoprotein A/B	2;3
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2;Sarcoplasmic/endoplasmic reticu	3
	2
Ferritin heavy chain;Ferritin heavy chain, N-terminally processed	3;4
Coxsackievirus and adenovirus receptor homolog	2
	2
Claudin-11	3
tRNA-splicing ligase RtcB homolog	4
Synaptotagmin-5	3
Small glutamine-rich tetratricopeptide repeat-containing protein alpha	3
Protein kinase C gamma type	3
Gap junction alpha-1 protein	3;4
Gap junction alpha-1 protein	3;4
SEC23-interacting protein	2;3
SEC23-interacting protein	2;3
Voltage-dependent N-type calcium channel subunit alpha-1B	4
Heat shock protein 105 kDa	2
40S ribosomal protein S13	3
Excitatory amino acid transporter 2;Amino acid transporter	3;4
Excitatory amino acid transporter 2;Amino acid transporter	3
Guanine nucleotide-binding protein G(o) subunit alpha	3
Guanine nucleotide-binding protein G(o) subunit alpha	2;3
Guanine nucleotide-binding protein G(i) subunit alpha-1;Guanine nucleotide-binding pro	2;3
Guanine nucleotide-binding protein G(i) subunit alpha-1;Guanine nucleotide-binding pro	3
Alpha-1-acid glycoprotein 2	3
Type 1 phosphatidylinositol 4,5-bisphosphate 4-phosphatase	3
	2;3
	2;3
Heterogeneous nuclear ribonucleoproteins C1/C2	3
Transmembrane protein 200A	2
Gamma-tubulin complex component 3	3
ATP-binding cassette sub-family A member 2	3
	2
NEDD8-conjugating enzyme Ubc12	2
Plexin-A4	2;3
Adenylate cyclase type 2	3
T-complex protein 1 subunit delta	3
T-complex protein 1 subunit delta	2
PHD finger protein 14	2
Eukaryotic translation initiation factor 3 subunit C	3
Ras-related protein Rab-2A	2;3
Probable G-protein coupled receptor 158	3
Disco-interacting protein 2 homolog A	3
Destrin;Cofilin-1;Cofilin-2	2
Regulator of G-protein signaling 17	3
Ubiquitin carboxyl-terminal hydrolase isozyme L5	3
Probable cytosolic iron-sulfur protein assembly protein CIAO1	2
26S proteasome non-ATPase regulatory subunit 13	3;4

Tumor susceptibility gene 101 protein	2;3	
SWI/SNF complex subunit SMARCC2		4
Heat shock cognate 71 kDa protein	2;3	
Golgin subfamily A member 4		2
Spartin		3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-3		2
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-3		3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-3	2;3	
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-3		2
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-3		2
Synaptosomal-associated protein 47		3
Disks large-associated protein 4		3
E3 ubiquitin-protein ligase FANCL		2
Very-long-chain enoyl-CoA reductase		3
Gamma-aminobutyric acid type B receptor subunit 2	3;4	
Gamma-aminobutyric acid type B receptor subunit 2		4
IQ motif and SEC7 domain-containing protein 2		3
40S ribosomal protein S9		2
Glucose-fructose oxidoreductase domain-containing protein 2		3
Tight junction-associated protein 1		3
WD repeat-containing protein 82		2
Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2		3
Lysosomal-associated transmembrane protein 4B		3
Neuronal membrane glycoprotein M6-b	2;3	
Neuronal membrane glycoprotein M6-b		3
Neuronal membrane glycoprotein M6-b		3
Neuronal membrane glycoprotein M6-b		3
Eukaryotic translation initiation factor 3 subunit I		3
Phospholipase D3		3
Phospholipase D3		3
Phospholipase D3		4
Transforming protein RhoA		4
Inactive dipeptidyl peptidase 10		2
Tripartite motif-containing protein 35		2
Spectrin alpha chain, non-erythrocytic 1	2;3	
Trafficking protein particle complex subunit 11		3
Protein LCHN		3
Spectrin alpha chain, non-erythrocytic 1		3
Anion exchange protein		2
Leucine-rich repeat-containing protein 16A	2;3	
Phosphatidylinositol transfer protein alpha isoform	3;4	
Electroneutral sodium bicarbonate exchanger 1	2;3	
Neogenin	3;4	
		3
Allograft inflammatory factor 1		2
UBX domain-containing protein 1	2;3	
UBX domain-containing protein 1	2;3	
Immunity-related GTPase family M protein 1		3
B-cell CLL/lymphoma 9 protein		3
Sjogren syndrome/scleroderma autoantigen 1 homolog		3

IST1 homolog		2
Spectrin beta chain, non-erythrocytic 1		2
Spectrin beta chain, non-erythrocytic 1	2;3	
Histone H2A deubiquitinase MYSM1		3
Glutathione S-transferase Mu 5		3
Lipoma HMGIC fusion partner-like 3 protein		3
Lipoma HMGIC fusion partner-like 4 protein	3;4	
Synaptosomal-associated protein 25	2;3	
Synaptosomal-associated protein 25	2;3	
Ras/Rap GTPase-activating protein SynGAP		3
Calcium/calmodulin-dependent protein kinase type II subunit alpha	2;3	
Calcium/calmodulin-dependent protein kinase type II subunit alpha	2;3	
NEDD8-conjugating enzyme UBE2F;NEDD8-conjugating enzyme UBE2F-B		2
NEDD8-conjugating enzyme UBE2F		3
		4
Mitogen-activated protein kinase		3
		3
		3
Sodium-dependent neutral amino acid transporter SLC6A17		3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2;Plasma n		3
DBIRD complex subunit ZNF326		2
Calcineurin subunit B type 1	2;3	
Calcineurin subunit B type 1		3
Integrin beta-1	2;3	
Heme oxygenase 2		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA 3;4		
Kinesin-like protein KIF1B	2;3	
Coatamer subunit alpha;Xenin;Proxenin;Coatamer subunit alpha		3
Coatamer subunit alpha;Xenin;Proxenin;Coatamer subunit alpha		3
Translin-associated protein X		2
Protein RUFY3	2;3	
		3
		3
USP6 N-terminal-like protein		2
Huntingtin-interacting protein 1-related protein		2
Adenylate kinase isoenzyme 5		2
Heterogeneous nuclear ribonucleoprotein L		3
Synaptosomal-associated protein 47	2;3	
Cortexin-1	2;3;4	
Cortexin-1	2;3	
Microtubule-associated protein 2		3
Ribosomal protein L19;60S ribosomal protein L19		3
Ubiquitin carboxyl-terminal hydrolase isozyme L1		4
Protein AF1q		3
Protein AF1q		3
Ryanodine receptor 2;Ryanodine receptor 1		4
		2
		2
Urea transporter 1	2;3	
Urea transporter 1	2;3	

Muscarinic acetylcholine receptor M1		2
Secretory carrier-associated membrane protein 1	3;4	2
Syntaxin-binding protein 1		2
Transketolase		3
Ras-related C3 botulinum toxin substrate 1;Ras-related C3 botulinum toxin substrate 2;R		2
Reticulon		3
Neuronal membrane glycoprotein M6-b	2;3	
Neuronal membrane glycoprotein M6-b	2;3	
Neuronal membrane glycoprotein M6-b	3;4	
Neuronal membrane glycoprotein M6-b	3;4	
Neuronal membrane glycoprotein M6-b	3;4	2
Excitatory amino acid transporter 2;Amino acid transporter	2;3	
Excitatory amino acid transporter 2;Amino acid transporter	2;3	
Excitatory amino acid transporter 2;Amino acid transporter	2;3	
Excitatory amino acid transporter 2;Amino acid transporter	3;4;5	
Excitatory amino acid transporter 2;Amino acid transporter	3;4	
Excitatory amino acid transporter 2;Amino acid transporter	3;4;5	
Excitatory amino acid transporter 2;Amino acid transporter		4
Excitatory amino acid transporter 2;Amino acid transporter	3;4;5	
Septin-4		3
DNA damage-binding protein 1	2;3	
DNA damage-binding protein 1	2;3	
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 2;3		
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 2;3		
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related		2
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related	3;4	
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related	3;4	
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related	3;4	
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related	3;4;5	
Sodium/potassium-transporting ATPase subunit alpha-2		3
Sodium/potassium-transporting ATPase subunit alpha-2	2;3	
Sodium/potassium-transporting ATPase subunit alpha-2	3;4	
Sodium/potassium-transporting ATPase subunit alpha-2	3;4	
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m	2;3	
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, aortic smooth m	2;3	
Neuronal membrane glycoprotein M6-a	2;3	
Neuronal membrane glycoprotein M6-a	2;3	
Ubiquitin carboxyl-terminal hydrolase isozyme L1	2;3	
Ubiquitin carboxyl-terminal hydrolase isozyme L1	2;3	
Ubiquitin carboxyl-terminal hydrolase isozyme L1	2;3	
Ubiquitin carboxyl-terminal hydrolase isozyme L1		2
Ubiquitin carboxyl-terminal hydrolase isozyme L1	2;3	
Ubiquitin carboxyl-terminal hydrolase isozyme L1	2;3	
Ubiquitin carboxyl-terminal hydrolase isozyme L1	3;4	
Cytoplasmic dynein 1 heavy chain 1		3
Nuclear pore complex protein Nup54		4
Amyloid-like protein 2	2;3	
Amyloid beta A4 protein;N-APP;Soluble APP-alpha;Soluble APP-beta;C99;Beta-amyloid p		2

Regulator of nonsense transcripts 1	3;4	
Regulator of nonsense transcripts 1		3
Lipid phosphate phosphohydrolase 3		2
Lipid phosphate phosphohydrolase 3		2
Sodium/potassium/calcium exchanger 4	2;3	
Cell division control protein 42 homolog		2
V-type proton ATPase subunit a;V-type proton ATPase 116 kDa subunit a isoform 1		3
Sodium/potassium-transporting ATPase subunit alpha-3	2;3	
Sodium/potassium-transporting ATPase subunit alpha-3		3
Sodium/potassium-transporting ATPase subunit alpha-3	3;4	
Sodium/potassium-transporting ATPase subunit alpha-3		4
Voltage-gated potassium channel subunit beta-1		3
UV excision repair protein RAD23 homolog B		2
UV excision repair protein RAD23 homolog B	2;3	
Tubulin beta-4B chain;Tubulin beta-2A chain;Tubulin beta-2B chain	2;3	
Breast carcinoma-amplified sequence 1 homolog		3
Breast carcinoma-amplified sequence 1 homolog		3
Ras-related protein Rab-3B		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 24		4
Ras-related protein Rab-3C	2;3	
Ras-related protein Rab-3C		3
		3
Metalloreductase STEAP3		2
Vacuolar protein sorting-associated protein 45		3
Sodium/potassium-transporting ATPase subunit alpha-1	2;3	
Sodium/potassium-transporting ATPase subunit alpha-1		3
		3
Protein arginine N-methyltransferase 8		3
PEX5-related protein		3
Protein FAM49B	2;3	
Protein FAM49B		3
Proteasomal ubiquitin receptor ADRM1	2;3	
Proteasomal ubiquitin receptor ADRM1	3;4	
Proteasomal ubiquitin receptor ADRM1		3
Potassium voltage-gated channel subfamily KQT member 5		3
Tubulin beta-3 chain		3
Tubulin beta-4B chain;Tubulin beta-5 chain;Tubulin beta-2A chain;Tubulin beta-2B chain	2;3	
Tubulin beta-4B chain;Tubulin beta-5 chain;Tubulin beta-2A chain;Tubulin beta-2B chain		3
Growth/differentiation factor 8		3
Solute carrier family 2, facilitated glucose transporter member 3	2;3	
WD repeat-containing protein 26	3;4	
Protein phosphatase 1 regulatory subunit 29		2
2',3'-cyclic-nucleotide 3'-phosphodiesterase	4;5	
Dihydropyrimidinase-related protein 2	2;3	
Dihydropyrimidinase-related protein 2		3
Dihydropyrimidinase-related protein 4	2;3	
Myotubularin-related protein 5		3
Syntaxin-binding protein 1		3
Syntaxin-binding protein 1		3
Dihydropteridine reductase		3

Dihydropteridine reductase		3
Noelin-2		3
Vinculin		4
Rab GDP dissociation inhibitor beta		3
ATP-binding cassette sub-family D member 3	2;3	
ATP-binding cassette sub-family D member 3		3
Glycine cleavage system H protein, mitochondrial		3
14-3-3 protein beta/alpha;14-3-3 protein beta/alpha, N-terminally processed		3
Leucine-rich repeat-containing protein 7		4
Sodium/potassium-transporting ATPase subunit alpha-2		5
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	3;4	
Calcium-transporting ATPase	3;4	
Huntingtin		2
Complement C1q-like protein 3		3
RAS guanyl-releasing protein 1		3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-3	2;3	
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-3		3
Bone morphogenetic protein receptor type-1A		2
Amphiphysin	2;3;4	
Amphiphysin	3;4	
Visinin-like protein 1		3
Visinin-like protein 1		3
Visinin-like protein 1	2;3;4	
Chromobox protein homolog 5		3
E3 ubiquitin-protein ligase HERC2		3
E3 ubiquitin-protein ligase HERC2		2
Ribose-phosphate pyrophosphokinase 1;Ribose-phosphate pyrophosphokinase 2	2;3	
Necdin		3
Ankyrin-2	2;3	
Heat shock cognate 71 kDa protein	2;3	
Heat shock cognate 71 kDa protein	2;3;4	
Folate transporter 1		2
Heat shock cognate 71 kDa protein	2;3	
Heat shock cognate 71 kDa protein		2
Heat shock cognate 71 kDa protein	2;3;4	
Heat shock cognate 71 kDa protein	2;3;4	
Heat shock cognate 71 kDa protein		4
Protein transport protein Sec23A		3
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3	
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3	
Neuron-specific calcium-binding protein hippocalcin;Hippocalcin-like protein 1;Neurocalcin	2;3	
Neuron-specific calcium-binding protein hippocalcin;Hippocalcin-like protein 1;Neurocalcin		3
Neuron-specific calcium-binding protein hippocalcin;Hippocalcin-like protein 1;Neurocalcin		4
Neuron-specific calcium-binding protein hippocalcin;Hippocalcin-like protein 1;Neurocalcin		3
L-lactate dehydrogenase B chain	2;3	
60S ribosomal protein L13a	2;3	
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2;Plasma membrane calcium-transporting ATPase 2		3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2;Plasma membrane calcium-transporting ATPase 2		3
Plasma membrane calcium-transporting ATPase 1		4
Mitochondrial ubiquitin ligase activator of NFKB 1		3

Spectrin beta chain, non-erythrocytic 1	3
Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase;UDP-1	2;3
Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase;UDP-1	3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 24	2;3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 24	2;3
Signal peptide peptidase-like 3	3
Clathrin heavy chain 1;Clathrin heavy chain	3
cAMP-dependent protein kinase type I-alpha regulatory subunit;cAMP-dependent protei	3;4
cAMP-dependent protein kinase type I-beta regulatory subunit	2;3
Isocitrate dehydrogenase [NADP] cytoplasmic	3
Ephrin type-B receptor 3	3
Dynein light chain 2, cytoplasmic	3;4
Dynein light chain 2, cytoplasmic	3
Dynein light chain 1, cytoplasmic	3
Dynein light chain 1, cytoplasmic	3
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2;Sarcoplasmic/endoplasmic reticu	3
Heterogeneous nuclear ribonucleoprotein K	2
Y-box-binding protein 3	3
Synaptopodin	2;3
Synaptotagmin-1	2;3
Synaptotagmin-1	3
Platelet-activating factor acetylhydrolase IB subunit beta	3
Ras-related protein Rab-7a	3
Ras-related protein Rab-7a	3
C-Jun-amino-terminal kinase-interacting protein 3;C-Jun-amino-terminal kinase-interacti	2;3
Glutamate receptor 2	3;4
Glutamate receptor 2	3;4
Disks large homolog 4	3;4;5
Beta-adrenergic receptor kinase 1	3
Disks large homolog 3	3
Ubiquitin-like modifier-activating enzyme 6	3
PH and SEC7 domain-containing protein 3	3
Synaptotagmin-12	3
Cullin-3	3
E3 ubiquitin-protein ligase HERC2	2;3
Hepatocyte growth factor-regulated tyrosine kinase substrate	3;4
Hepatocyte growth factor-regulated tyrosine kinase substrate	3
Cystathionine gamma-lyase	2;3
Core histone macro-H2A.2	2
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	2;3
14-3-3 protein eta	2;3
Ribose-phosphate pyrophosphokinase 1	2
Synaptotagmin-1	2;3
Heat shock 70 kDa protein 4L	3
Heat shock 70 kDa protein 4	2;3
Neuromodulin	3;4
Neuromodulin	4
Histone H2A type 1-H;Histone H2A type 1-F;Histone H2A type 3;Histone H2A;Histone H2	2;3
	2;3
Protein kinase C gamma type;Protein kinase C	3

	2
Contactin-associated protein like 5-2	2
Potassium voltage-gated channel subfamily H member 7	2;3;4
Ankyrin-3	3
Ras-related protein Rab-18	3;4
F-actin-capping protein subunit beta	2;3
Kinesin-associated protein 3	3
Embigin	3
Epidermal growth factor receptor substrate 15-like 1	3
Guanine nucleotide-binding protein subunit gamma;Guanine nucleotide-binding protein	2;3
Signal transducing adapter molecule 1	3
Heterogeneous nuclear ribonucleoprotein L	3
E3 ubiquitin-protein ligase UBR3	3
Spectrin beta chain, non-erythrocytic 1	3
Calcium-dependent secretion activator 2	3
Glutathione S-transferase P 1;Glutathione S-transferase P 2	3;4
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA	2;3
Heterogeneous nuclear ribonucleoprotein A/B	3
Platelet-derived growth factor receptor alpha	3
Gap junction beta-2 protein	3
Gap junction beta-6 protein;Gap junction protein	2
Gap junction beta-6 protein;Gap junction protein	3;4
Septin-11;Septin-6	2;3
DnaJ homolog subfamily A member 4	3
Amine oxidase [flavin-containing] A	2;3;4
Contactin-associated protein like 5-1	2;3
CaM kinase-like vesicle-associated protein	2;3
ATP-dependent 6-phosphofructokinase, muscle type	3
PH and SEC7 domain-containing protein 1	3
ADP-ribosylation factor-like protein 8B;ADP-ribosylation factor-like protein 8A	3
14-3-3 protein zeta/delta	2
Eukaryotic initiation factor 4A-II;Eukaryotic initiation factor 4A-II, N-terminally processed	3;4
Cytohesin-2;Cytohesin-3;Cytohesin-1	3;4
Phosphatidylinositol 3-kinase regulatory subunit alpha	2;3
Calcium-transporting ATPase	2;3
ATP-dependent 6-phosphofructokinase, liver type	2;3
ATP-binding cassette sub-family A member 3	2;3
E3 ubiquitin-protein ligase RNF14	2;3
60S ribosomal protein L7	2
Vesicular glutamate transporter 2	2;3
ATP-dependent 6-phosphofructokinase, muscle type	2
Occludin	3
Fatty acid-binding protein, heart	2;3
Fatty acid-binding protein, heart	3
Heat shock 70 kDa protein 4L	3
E3 ubiquitin-protein ligase RNF114	4
60S ribosomal protein L7a	2;3
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet	2
PIH1 domain-containing protein 2	2
Voltage-dependent anion-selective channel protein 3	2;3

N-alpha-acetyltransferase 15, NatA auxiliary subunit		3
Tyrosine-protein kinase;Tyrosine-protein kinase JAK1	2;3	
Palmitoyltransferase ZDHHC9		3
Ryanodine receptor 2		3
Heat shock 70 kDa protein 4		3
Cytoplasmic FMR1-interacting protein 2		3
UV excision repair protein RAD23 homolog A		3
UV excision repair protein RAD23 homolog B		3
UV excision repair protein RAD23 homolog B	2;3	
Myotrophin		2
Ubiquitin-conjugating enzyme E2 G1;Ubiquitin-conjugating enzyme E2 G1, N-terminally truncated	3;4	
Kinesin heavy chain isoform 5C		3
Sodium/potassium-transporting ATPase subunit alpha-1	2;3	
Sodium/potassium-transporting ATPase subunit alpha-1	2;3	
Thioredoxin-related transmembrane protein 4		3
Actin-related protein 2/3 complex subunit 5-like protein		3
Ankyrin-2		3
Cullin-3	2;3	
Inward rectifier potassium channel 4		3
Phosphoinositide 3-kinase regulatory subunit 4		3
Phosphoglycerate kinase 1	3;4	
		4
Ankyrin-2;Ankyrin-3		3
Ubiquitin carboxyl-terminal hydrolase 33	3;4;5	
		4
Large neutral amino acids transporter small subunit 2		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		3
WW domain-binding protein 2	3;4;5	
WW domain-binding protein 2	4;5	
DmX-like protein 2		3
Heat shock factor-binding protein 1		3
Heat shock factor-binding protein 1		3
ADP-ribosylation factor 4;ADP-ribosylation factor 5		3
ADP-ribosylation factor 4;ADP-ribosylation factor 5		4
Pyruvate kinase PKM	2;3	
Tropomodulin-2	2;3	
Protein kinase C beta type		3
Ras-related protein Rab-8A	3;4	
Protein phosphatase 1 regulatory subunit 7	2;3	
Transcription initiation factor TFIID subunit 1		3
F-box/LRR-repeat protein 20		3
Cytoplasmic aconitate hydratase		3
E3 ubiquitin-protein ligase MARCH8		3
Ankyrin repeat domain-containing protein 13D		3
Constitutive coactivator of PPAR-gamma-like protein 1	3;4	
Proteasome subunit alpha type-4;Proteasome subunit alpha type		3
Nucleoside diphosphate kinase A	2;3;4	
		3
Heat shock protein HSP 90-alpha		3
Adenosylhomocysteinase;Putative adenosylhomocysteinase 3;Putative adenosylhomocysteinase 2;3		

BDNF/NT-3 growth factors receptor	2;3;4	
cGMP-dependent 3',5'-cyclic phosphodiesterase		3
Thimet oligopeptidase		3
Hexokinase-1;Hexokinase	2;3	
Splicing factor 1		3
Protein IMPACT	2;3	
Calbindin	2;3	
Stathmin-2	2;3	
AP complex subunit beta;AP-2 complex subunit beta;AP-1 complex subunit beta-1		3
Low-density lipoprotein receptor	3;4	
60S ribosomal protein L4		3
Programmed cell death 6-interacting protein	2;3	
Ankyrin repeat and sterile alpha motif domain-containing protein 1B		3
V-type proton ATPase subunit C 1	2;3	
ATP-binding cassette sub-family A member 9		2
ADP-ribosylation factor 1;ADP-ribosylation factor 3;ADP-ribosylation factor 2	2;3	
ADP-ribosylation factor 1;ADP-ribosylation factor 3;ADP-ribosylation factor 2	3;4	
Sodium channel protein		2
Sodium channel protein		3
Protein FAM81A		2
Protein FAM171B	2;3	
Protein FAM171B		3
Epsin-1		3
Transmembrane protein 87A		3
Epsin-2		3
Glial fibrillary acidic protein	2;3	
Visinin-like protein 1	2;3	
Visinin-like protein 1		4
Kv channel-interacting protein 4		3
Homer protein homolog 1	2;3	
Myosin light polypeptide 6		3
Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase;UDP-N	2;3	
Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase;UDP-N		3
Heat shock 70 kDa protein 4	3;4	
Heat shock 70 kDa protein 4	3;4	
40S ribosomal protein S6	3;4	
		2
cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A	2;3	
		3
Ubiquitin conjugation factor E4 B		3
Protein phosphatase 1 regulatory subunit 12A	2;3	
Tripartite motif-containing protein 2	2;3	
Solute carrier family 12 member 5		3
Solute carrier family 12 member 5	4;5	
40S ribosomal protein S17		3
40S ribosomal protein S17	2;3	
Mitochondrial Rho GTPase 1	2;3	
A-kinase anchor protein SPHKAP		3
60S ribosomal protein L23a	2;3	
Dynamin-3	3;4	

Dynamin-1	2;3	
Inositol 1,4,5-trisphosphate receptor type 1	2;3	
Glia maturation factor beta		2
Kinesin-associated protein 3		2
		3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2;Plasma n		2
Calbindin		2
Cell division control protein 42 homolog		3
Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha		3
Monoglyceride lipase		3
Bone morphogenetic protein receptor type-2		3
60S ribosomal protein L27a		3
Solute carrier family 13 member 5		3
Synaptosomal-associated protein 47		3
26S protease regulatory subunit 7	3;4	
Pleckstrin homology-like domain family B member 1	2;3	
Squalene synthase		3
DmX-like protein 2		3
		3
Chromobox protein homolog 5		3
CUGBP Elav-like family member 4	2;3	
Protein zer-1 homolog	2;3	
Hemoglobin subunit beta-2		4
RING finger protein 166	3;5	
Aspartate aminotransferase, cytoplasmic		2
Septin-7		3
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	2;3;4	
Tetratricopeptide repeat protein 27		3
Nck-associated protein 1	2;3	
Kinesin-like protein KIF1B		3
Excitatory amino acid transporter 2;Amino acid transporter		3
NAD-dependent protein deacetylase sirtuin-2	2;3	
Malate dehydrogenase, mitochondrial		2
Voltage-gated potassium channel subunit beta-2;Voltage-gated potassium channel subu		2
ELMO domain-containing protein 1		3
Sorting nexin-32	3;4	
Unconventional myosin-Va		3
Calcium/calmodulin-dependent protein kinase type II subunit beta;Calcium/calmodulin-c	2;3	
Tumor suppressor candidate 2		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		3
Guanine nucleotide-binding protein G(o) subunit alpha	2;3	
Guanine nucleotide-binding protein G(o) subunit alpha	2;3;4	
CCR4-NOT transcription complex subunit 8		3
CCR4-NOT transcription complex subunit 7		3
	2;3	
CaM kinase-like vesicle-associated protein		2
Heat shock protein HSP 90-beta		3
Acidic leucine-rich nuclear phosphoprotein 32 family member E		3
Vacuolar protein sorting-associated protein 45		3
Neurofibromin		3

cAMP-dependent protein kinase catalytic subunit alpha;cAMP-dependent protein kinase	2;3	
RING finger protein 112	2;3	
14-3-3 protein epsilon	2;3	
14-3-3 protein zeta/delta;14-3-3 protein beta/alpha;14-3-3 protein beta/alpha, N-termin	2;3	
14-3-3 protein theta	2;3	
Syntaxin-12	2;3	
Synaptotagmin-7		3
SLIT and NTRK-like protein 2		3
		3
NEDD8 ultimate buster 1		3
Clathrin heavy chain 1;Clathrin heavy chain	2;3	
Alpha-interneurin		3
Vesicle-associated membrane protein 8	2;3	
Nucleosome assembly protein 1-like 1		2
Cationic amino acid transporter 2		3
Transcription elongation factor A protein-like 1		3
Prefoldin subunit 3		3
Ataxin-10		3
Ataxin-10	3;4	
Ataxin-10	3;4	
Guanine deaminase	2;3	
Ras-related protein Rab-14		3
Anion exchange protein;Electrogenic sodium bicarbonate cotransporter 1		3
Pecanex-like protein 4		3
Dynamin-1		3
Sorting nexin-6;Sorting nexin-6, N-terminally processed	3;4	
Ubiquitin-protein ligase E3A	2;3	
Protein kinase C beta type		3
RUN and SH3 domain-containing protein 1	2;3	
COP9 signalosome complex subunit 3	2;3;4	
Protein shisa-7	2;3	
Transketolase		3
Regulator of nonsense transcripts 1		3
Polycystic kidney disease protein 1-like 1		3
Very low-density lipoprotein receptor	2;3	
Intersectin-2		3
Neurofilament light polypeptide	2;3	
Elongation factor 2		3
		2
Sodium/hydrogen exchanger 9	2;3	
PERQ amino acid-rich with GYF domain-containing protein 2		3
PH and SEC7 domain-containing protein 3	2;3	
Ubiquitin conjugation factor E4 B		2
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase eta	2;3	
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase eta		3
Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 2;Nicotinamide-nucleot		3
Guanine nucleotide-binding protein G(i) subunit alpha-1;Guanine nucleotide-binding pro		2
RCC1 and BTB domain-containing protein 1		3
Macrophage colony-stimulating factor 1 receptor	2;3	
Clathrin heavy chain 1;Clathrin heavy chain	2;3	

Cytochrome c oxidase subunit NDUF4		3
E3 ubiquitin-protein ligase MGRN1	3;4	
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2		3
G-protein coupled receptor 56;GPR56 N-terminal fragment;GPR56 C-terminal fragment		3
Hippocalcin-like protein 4		3
NEDD4-like E3 ubiquitin-protein ligase WWP1		2
	2;3	
Sphingomyelin phosphodiesterase 3	2;3	
Adenylyl cyclase-associated protein 1		3
Neurochondrin		2
Heat shock protein HSP 90-beta		4
Ribosomal protein L15;60S ribosomal protein L15	3;4	
		2
Sodium/potassium-transporting ATPase subunit alpha-3		2
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B		2
Vinculin	3;4	
DCN1-like protein;DCN1-like protein 2		3
AP-3 complex subunit delta-1	2;3	
Glutamate receptor ionotropic, NMDA 2A		4
Thymosin beta-4;Hematopoietic system regulatory peptide	2;3	
Protein phosphatase 1 regulatory subunit 7		2
Sodium/potassium-transporting ATPase subunit alpha-1		3
Ran-binding protein 9		3
Protein DDI1 homolog 2		3
Formin-binding protein 1		3
Formin-binding protein 1		3
Glutamate receptor ionotropic, NMDA 1	2;3	
	2;3	
Epidermal growth factor receptor substrate 15-like 1		3
E3 ubiquitin-protein ligase MGRN1	2;3;4	
Receptor protein-tyrosine kinase;Ephrin type-A receptor 5		2
Pericentriolar material 1 protein		3
Cullin-3		3
Stress-induced-phosphoprotein 1		2
Rab GDP dissociation inhibitor alpha	2;3	
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA	3;4	
Diffuse panbronchiolitis critical region protein 1 homolog		2
UMP-CMP kinase	2;3	
Transforming acidic coiled-coil-containing protein 1	2;3	
COP9 signalosome complex subunit 1		3
Sialin		2
Ubiquitin carboxyl-terminal hydrolase isozyme L5	2;3	
Ubiquitin carboxyl-terminal hydrolase isozyme L5	3;4	
Mitofusin-1	2;3	
Mitofusin-1		2
Protein furry homolog		3
Rho-associated protein kinase 2;Rho-associated protein kinase		3
Heat shock cognate 71 kDa protein	3;4	
Spectrin beta chain, non-erythrocytic 1		3
Disco-interacting protein 2 homolog B		3

TRPM8 channel-associated factor 1	3
ATP-binding cassette sub-family A member 1	3
Heat shock 70 kDa protein 1-like	2
Heat shock cognate 71 kDa protein	2;3
Heat shock cognate 71 kDa protein	2;3
Disheveled-associated activator of morphogenesis 2	2;3
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3
G-protein coupled receptor-associated sorting protein 1	3;4;5
E3 ubiquitin-protein ligase HECW1	3
Glucose-fructose oxidoreductase domain-containing protein 1	3
Mortality factor 4-like protein 2	3;4
Chromobox protein homolog 1	3
Dedicator of cytokinesis protein 11	2
AP-2 complex subunit alpha-1	3
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2	4
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1	2;3
Cullin-9	3
Vinculin	3
E3 ubiquitin-protein ligase RNF14	2
Ubiquitin carboxyl-terminal hydrolase	3
Heat shock cognate 71 kDa protein	2;3
5'-3' exoribonuclease 2	3;4
Plasma membrane calcium-transporting ATPase 1	2;3;4
PC4 and SFRS1-interacting protein	2;3
Protein FAM131B	3
Protein FAM98B	3
Sodium/potassium-transporting ATPase subunit alpha-2	2;3
Calcium/calmodulin-dependent protein kinase type II subunit beta	4
Alanine--tRNA ligase, cytoplasmic	3;4
Tubulin beta-4B chain;Tubulin beta-5 chain;Tubulin beta-2A chain;Tubulin beta-2B chain;	3
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	2;3
14-3-3 protein eta	2;3
Catenin delta-2	3
Solute carrier family 23 member 2	3
Solute carrier family 23 member 2	3;4
UPF0568 protein C14orf166 homolog	3
Hepatoma-derived growth factor-related protein 2	2
Tax1-binding protein 1 homolog	3
Dystonin	2;3
SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily B 1	3
H-2 class I histocompatibility antigen, alpha chain;H-2 class I histocompatibility antigen, E	3
Beta-2-microglobulin;H-2 class I histocompatibility antigen, K-Q alpha chain;H-2 class I hi	3
Nischarin	3
Nischarin	2;3;4
Sorting nexin-5	3
Nuclear factor erythroid 2-related factor 1	3
Clathrin coat assembly protein AP180	3;4
E3 ubiquitin-protein ligase MIB1	3
Thymosin beta-10	3
Reticulon-3	3;4

V-type proton ATPase subunit d 1		2
Microtubule-actin cross-linking factor 1		4
Glutamate receptor 3	2;3	
Disks large homolog 1	2;3	
Hepatoma-derived growth factor-related protein 3		2
Heat shock cognate 71 kDa protein		3
Disks large homolog 4	2;3	
LMBR1 domain-containing protein 2		2
V-type proton ATPase subunit d 1		3
Interferon regulatory factor 2-binding protein 1		3
Adenylate cyclase type 1		3
AP-3 complex subunit beta-1		2
Chloride channel protein;Chloride transport protein 6	3;4	
Neural cell adhesion molecule 1		4
Cytosolic acyl coenzyme A thioester hydrolase		3
Nucleosome assembly protein 1-like 1		3
Mortality factor 4-like protein 1		2
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		3
Anaphase-promoting complex subunit 2		2
1-acyl-sn-glycerol-3-phosphate acyltransferase alpha;1-acyl-sn-glycerol-3-phosphate acyl		3
Cell division control protein 42 homolog	2;3	
Cell division control protein 42 homolog	3;4	
Malate dehydrogenase, cytoplasmic		3
Dehydrogenase/reductase SDR family member 7B	2;3	
Retrotransposon-derived protein PEG10		3
Retrotransposon-derived protein PEG10		4
Translocon-associated protein subunit gamma		2
Puromycin-sensitive aminopeptidase		3
DnaJ homolog subfamily A member 2		2
Calreticulin	2;3	
Ataxin-10		3
Ataxin-10	3;4	
Macrophage colony-stimulating factor 1 receptor		3
Serine/threonine-protein phosphatase 4 regulatory subunit 2		3
Voltage-dependent anion-selective channel protein 1	2;3	
Calmodulin-regulated spectrin-associated protein 2		3
Serine/threonine-protein kinase DCLK1		3
Metallophosphoesterase 1		3
Flotillin-2	3;4	
Guanine nucleotide-binding protein G(i) subunit alpha-1;Guanine nucleotide-binding pro		3
Exosome complex component RRP43		3
Inositol 1,4,5-trisphosphate receptor type 1		3
Amphiphysin		3
Transmembrane protein 199		3
tRNA-splicing ligase RtcB homolog		3
		3
Tropomyosin alpha-3 chain	2;3	
Tubulin polymerization-promoting protein		3
Cullin-associated NEDD8-dissociated protein 1	2;3	
Calcineurin B homologous protein 3	3;4	

Glucose 1,6-bisphosphate synthase	2;3	
Beta-soluble NSF attachment protein		3
Activity-regulated cytoskeleton-associated protein		2
Ras-related protein Rab-5C;Ras-related protein Rab-5A	2;3	
Sequestosome-1		3
Brain-specific angiogenesis inhibitor 1-associated protein 2	2;3	
Overexpressed in colon carcinoma 1 protein homolog		3
Guanylate cyclase soluble subunit beta-1	2;3	
Secretory carrier-associated membrane protein 3		2
Secretory carrier-associated membrane protein 3		4
Neurexin-1-beta;Neurexin-1	2;3	
Neurexin-1-beta;Neurexin-1		3
Neurexin-3;Neurexin-3-beta;Neurexin-3-beta, soluble form;Neurexin-3-beta, C-terminal	2;3	
Neurexin-3;Neurexin-3-beta;Neurexin-3-beta, soluble form;Neurexin-3-beta, C-terminal		3
Cytochrome c oxidase subunit 6B1	2;3	
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	2;3	
Mitogen-activated protein kinase 1		3
Fasciculation and elongation protein zeta-1		2
Gap junction alpha-1 protein	2;3	
Macrophage migration inhibitory factor	2;3	
Calcyclin-binding protein		3
Heterogeneous nuclear ribonucleoproteins A2/B1	2;3	
Heterogeneous nuclear ribonucleoproteins A2/B1		3
Protein FAM73B		3
Protein HID1		3
Tetratricopeptide repeat protein 19, mitochondrial		3
Mitochondrial Rho GTPase 1	2;3	
UV excision repair protein RAD23 homolog B		3
Rho guanine nucleotide exchange factor 17		3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-11		4
COP9 signalosome complex subunit 3		3
Delta and Notch-like epidermal growth factor-related receptor		4
Neural cell adhesion molecule 1	2;3	
Dynein heavy chain 12, axonemal		3
		4
Histone H2B type 1-C/E/G;Histone H2B type 1-H;Histone H2B type 1-F/J/L;Histone H2B;H	2;3	
E3 ubiquitin-protein ligase NEDD4-like	3;4	
CaM kinase-like vesicle-associated protein	2;3	
G-protein coupled receptor-associated sorting protein 2		3
Protein prune homolog 2	2;3	
Creatine kinase B-type	3;4	
NEDD4-like E3 ubiquitin-protein ligase WWP2	2;3	
Serine/threonine-protein phosphatase PP1-beta catalytic subunit	2;3	
Serine/threonine-protein phosphatase PP1-gamma catalytic subunit		3
Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	2;3	
Ubiquitin carboxyl-terminal hydrolase 33		3
Disks large homolog 2	2;3	
ATP-dependent RNA helicase A		3
Histone deacetylase 11	3;4	
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase		3

Attractin		3
Voltage-dependent R-type calcium channel subunit alpha-1E		3
Monocarboxylate transporter 1	2;3	
Epidermal growth factor receptor substrate 15		3
Glutamine synthetase		4
Glutamine synthetase	3;4	
CUGBP Elav-like family member 4;CUGBP Elav-like family member 3		2
		3
Protein FAM63B		3
G-protein coupled receptor-associated sorting protein 1		3
Pyruvate kinase PKM		5
Pyruvate kinase PKM	3;4;5;6	
Synaptopodin		3
Synaptopodin		4
Synaptopodin		3
Rho GTPase-activating protein 35		3
Casein kinase II subunit beta		3
Pyridoxine-5'-phosphate oxidase		3
Heat shock-related 70 kDa protein 2;Heat shock cognate 71 kDa protein		2
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 24	2;3	
Annexin A6;Annexin	2;3	
Neuralized-like protein 4		3
Synaptotagmin-13		3
PH and SEC7 domain-containing protein 3		3
Diacylglycerol kinase		3
		2
Synaptotagmin-3		4
Synapsin-2		3
Voltage-dependent anion-selective channel protein 2		3
Neural cell adhesion molecule L1		2
Cytosolic acyl coenzyme A thioester hydrolase		3
Cytosolic acyl coenzyme A thioester hydrolase		4
SLAM family member 6		3
Translation initiation factor eIF-2B subunit delta		3
Catechol O-methyltransferase domain-containing protein 1	2;3	
Gastrin/cholecystokinin type B receptor		2
Engulfment and cell motility protein 2		3
Monocarboxylate transporter 13		3
SLIT and NTRK-like protein 2	2;3	
Catenin alpha-2		2
Catenin alpha-2	3;4	
Leucine-rich repeat-containing protein 9		2
		2
		3
Alpha/beta hydrolase domain-containing protein 17A;Alpha/beta hydrolase domain-cont		3
Pecanex-like protein 3		3
Synaptopodin		2
Synaptopodin	2;3	
Phosphatidylglycerophosphatase and protein-tyrosine phosphatase 1	3;4	
Pecanex-like protein 3		4

Sodium/potassium-transporting ATPase subunit beta-1-interacting protein 4	2
Myotubularin-related protein 2	3
Eukaryotic translation initiation factor 3 subunit G	3
Receptor protein-tyrosine kinase;Fibroblast growth factor receptor;Fibroblast growth fac	3
Vacuolar protein sorting-associated protein 35	3
Unconventional myosin-VI	3
Pyruvate kinase PKM	2;3
Ribosomal protein L15;60S ribosomal protein L15	4
Splicing factor, proline- and glutamine-rich	3
Paraspeckle component 1	3
	3
T-complex protein 1 subunit gamma	3
Macrophage colony-stimulating factor 1 receptor	2
Non-POU domain-containing octamer-binding protein	3
	3
	3
Epidermal growth factor receptor	3
Protein O-GlcNAcase	3
E3 ubiquitin-protein ligase NEDD4-like	4
Ephrin type-A receptor 4;Receptor protein-tyrosine kinase;Ephrin type-A receptor 7	3
	3
Ankyrin repeat domain-containing protein 17	3
Sodium-coupled neutral amino acid transporter 2	3;4
Heterogeneous nuclear ribonucleoproteins C1/C2	3
D-3-phosphoglycerate dehydrogenase	3
Anaphase-promoting complex subunit 5	3
Polymerase I and transcript release factor	3
Inositol 1,4,5-trisphosphate receptor type 1	3
Syntenin-1	2;3
Regulator of G-protein signaling 7-binding protein	3
	3
V-type proton ATPase subunit G 1	3
Tetratricopeptide repeat protein 5	3
Cadherin-2	2;3
Syntaxin-binding protein 5	2;3
Long-chain-fatty-acid--CoA ligase ACSBG1	2
DnaJ homolog subfamily B member 6	5
Hexokinase-1;Hexokinase	2
Solute carrier family 12 member 2	2
60S ribosomal protein L12	3
Exocyst complex component 6	3
Liprin-alpha-3	3
Synapsin-1	3
Citron Rho-interacting kinase	3
Alpha-aminoacidic semialdehyde dehydrogenase	2;3
Ras-related protein Rab-5C	3
Ras-related protein Rab-5A	4
Spartin	3
Heat shock cognate 71 kDa protein	2;3
Acyl-CoA-binding protein	2;3;4

Endophilin-A2		3
Intersectin-2		3
		3
Vesicle-trafficking protein SEC22b		3
Formin-like protein 1		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 14	3;4	
Beta-adducin	2;3	
Junctional adhesion molecule C		4
Cytoplasmic FMR1-interacting protein 2		4
ATP-binding cassette sub-family B member 8, mitochondrial		3
Septin-5	3;4	
Beta-adducin		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 24	2;3	
BTB/POZ domain-containing protein 3		3
Guanine nucleotide-binding protein G(s) subunit alpha isoforms short;Guanine nucleotid		3
Heat shock 70 kDa protein 4		3
ADP-ribosylation factor 6	3;4	
Voltage-dependent P/Q-type calcium channel subunit alpha-1A		2
Heat shock protein 105 kDa		3
ADP-ribosylation factor 4		3
ADP-ribosylation factor 1;ADP-ribosylation factor 3;ADP-ribosylation factor 2	3;4	
ADP-ribosylation factor 1;ADP-ribosylation factor 3;ADP-ribosylation factor 2	2;3;4	
ADP-ribosylation factor 5	3;4	
		3
Membrane protein MLC1		3
Membrane protein MLC1	3;4	
Membrane protein MLC1	3;4	
Tumor necrosis factor receptor superfamily member 21		3
Tubulin-specific chaperone C	2;3	
ADP-ribosylation factor-like protein 4D		3
Rabankyrin-5		4
Ankyrin-2		3
Syntaxin-12	3;4	
E3 ubiquitin-protein ligase TRIM23		4
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	3;4	
		3
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	2;3	
Rab GTPase-binding effector protein 1		3
Synaptojanin-1		3
F-actin-capping protein subunit beta	2;3	
F-actin-capping protein subunit beta	3;4	
Neural cell adhesion molecule 1		3
Cullin-2		3
E3 ubiquitin-protein ligase RNF5		3
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed		3
Transmembrane protein 192		3
Transmembrane protein 179	3;4	
DCN1-like protein;DCN1-like protein 1		3
MAP6 domain-containing protein 1	2;3	
Thimet oligopeptidase		3

Annexin A5		3
UBX domain-containing protein 7	2;3	
Ras-specific guanine nucleotide-releasing factor 1		3
Catenin delta-1		3
Kinesin-like protein;Kinesin-like protein KIF1A		3
26S protease regulatory subunit 6A		3
26S protease regulatory subunit 6A		3
Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform	3;4	
Sorting nexin-6;Sorting nexin-6, N-terminally processed;Sorting nexin-32	2;3	
Syntaxin-1B	2;3	
Tax1-binding protein 1 homolog		3
Coatomer subunit alpha;Xenin;Proxenin;Coatomer subunit alpha		3
AP-3 complex subunit delta-1		2
		3
Phosphatidylinositol transfer protein alpha isoform		3
Protein RUFY3		3
Lipoma HMGIC fusion partner-like 4 protein		3
Solute carrier family 22 member 8	2;3	
Cell cycle exit and neuronal differentiation protein 1		3
Proline-rich protein 7		3
Ras-related protein Rab-7a		3
Ras-related protein Rab-7a	3;4	
Calcium/calmodulin-dependent protein kinase type II subunit delta;Calcium/calmodulin-	2;3	
Early endosome antigen 1		2
Dihydropyrimidinase-related protein 3		2
F-box only protein 28		2
E3 ubiquitin-protein ligase ARIH1	2;3;4	
Ubiquitin carboxyl-terminal hydrolase CYLD		4
Gamma-soluble NSF attachment protein	2;3	
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2		3
Synaptopodin	2;3	
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase gamma		4
Coiled-coil-helix-coiled-coil-helix domain-containing protein 2		3
SUMO-activating enzyme subunit 2		2
Ubiquitin carboxyl-terminal hydrolase isozyme L1	2;3	
Golgi-associated plant pathogenesis-related protein 1		3
Receptor-type tyrosine-protein phosphatase S	3;4	
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase delta	3;4	
Phospholipid-transporting ATPase		3
Breast cancer metastasis-suppressor 1-like protein		3
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1		3
CD81 antigen		3
Large neutral amino acids transporter small subunit 4		3
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	2;3	
Abhydrolase domain-containing protein 8		4
Ephexin-1	2;3	
Core histone macro-H2A.1		3
Spectrin alpha chain, non-erythrocytic 1	2;3	
Solute carrier family 2, facilitated glucose transporter member 1		2
TBC1 domain family member 30		4

Endophilin-A2;Endophilin-A1		3
Phospholipid-transporting ATPase IA	2;3	
Vesicular inhibitory amino acid transporter		4
Vesicular inhibitory amino acid transporter		4
Interleukin-1 receptor accessory protein		2
Eukaryotic translation initiation factor 3 subunit C		3
E3 ubiquitin-protein ligase UBR4	3;4	
Synapsin-1		3
Microtubule-associated protein RP/EB family member 3		3
Voltage-dependent R-type calcium channel subunit alpha-1E		3
Disheveled-associated activator of morphogenesis 2		4
Myc box-dependent-interacting protein 1	2;3;4	
Importin-9	3;4	
Adenylate cyclase type 2		4
Receptor-type tyrosine-protein phosphatase-like N		2
Syntaxin-1B	2;3;4	
Syntaxin-1B	3;4;5	
Syntaxin-1B	3;4;5;6	
Ras-related protein Rab-2A		4
Nucleoside diphosphate kinase;Nucleoside diphosphate kinase B	2;3	
		3
Ubiquitin carboxyl-terminal hydrolase isozyme L1	2;3	
C-Maf-inducing protein		3
C-Maf-inducing protein		3
Myelin proteolipid protein	2;3	
Myelin proteolipid protein	3;4	
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related		2
Dihydropyrimidinase-related protein 2	3;4	
Eukaryotic translation initiation factor 3 subunit L		3
V-type proton ATPase subunit E 1;V-type proton ATPase subunit E 2	3;4	
Ras-related protein Rab-2A;Ras-related protein Rab-2B		3
26S protease regulatory subunit 7	2;3	
Farnesyl pyrophosphate synthase		2
G protein-coupled receptor kinase 6	2;3	
FAS-associated factor 1		3
Programmed cell death protein 10		3
Ribosome maturation protein SBDS		3
Serum deprivation-response protein		3
Caspase-7;Caspase-7 subunit p20;Caspase-7 subunit p11		2
Ephexin-1		3
cAMP-dependent protein kinase type I-alpha regulatory subunit;cAMP-dependent protei	2;3	
26S protease regulatory subunit 6A		3
Hepatocyte growth factor-regulated tyrosine kinase substrate		3
Thimet oligopeptidase		3
Prostamide/prostaglandin F synthase		3
Casein kinase I isoform alpha		3
Sodium channel protein	3;4	
Baculoviral IAP repeat-containing protein 6		3
Alpha-actinin-4;Alpha-actinin-1	2;3;4	
Neurochondrin	2;3	

Cell adhesion molecule 4	2;3;4	4
Brother of CDO		3
Phosphomannomutase 1	2;3	
Sodium channel protein	2;3;4	
Sodium channel protein	3;4	
Kinesin heavy chain isoform 5C;Kinesin heavy chain isoform 5A;Kinesin-1 heavy chain		3
Glial fibrillary acidic protein		2
UPF0606 protein KIAA1549		3
Cell division control protein 42 homolog		2
Cell division control protein 42 homolog	3;4	
Tomoregulin-1	2;3;4	
Sodium-dependent neutral amino acid transporter SLC6A17;Transporter	3;4	
Rho-associated protein kinase 2;Rho-associated protein kinase		3
Rho-associated protein kinase 2;Rho-associated protein kinase		4
Glucose-induced degradation protein 8 homolog		2
Ubiquitin-like modifier-activating enzyme 1;Ubiquitin-like modifier-activating enzyme 1 Y		3
		3
Obg-like ATPase 1	2;3	
Dynactin subunit 2		3
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1		3
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1	3;4	
Ras-related protein Rab-3A	3;4	
E3 ubiquitin-protein ligase HUWE1	2;3	
DnaJ homolog subfamily A member 2		3
Transitional endoplasmic reticulum ATPase	2;3	
ADP-ribosylation factor-like protein 3		3
60S ribosomal protein L35	2;3	
		3
Inward rectifier potassium channel 16	2;3	
DnaJ homolog subfamily C member 7		3
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 3;4;5		
Chromodomain-helicase-DNA-binding protein 4		3
Kinesin heavy chain isoform 5C	2;3	
Dynamin-1		3
Coronin;Coronin-2A		3
V-type proton ATPase subunit H	2;3	
Moesin;Ezrin		3
Tubulin alpha-4A chain;Tubulin alpha-1B chain;Tubulin alpha-1A chain;Tubulin alpha-3 cl	3;4	
Golgi pH regulator		2
Mortality factor 4-like protein 1		2
Exportin-1		2
Dystrobrevin;Dystrobrevin alpha;Dystrobrevin beta		3
Dual specificity protein phosphatase 14		3
Protein kinase C and casein kinase substrate in neurons protein 1		2
ADP-ribosylation factor-like protein 8B	2;3	
ADP-ribosylation factor-like protein 8B		3
Lipid phosphate phosphatase-related protein type 3		3
Synapsin-2		3
Elongation factor 1-alpha 2		3

Charged multivesicular body protein 2a		4
Plexin-A4	2;3	
Plexin-A3		3
Transmembrane emp24 domain-containing protein 4		3
Liprin-alpha-3		3
Clathrin heavy chain 1;Clathrin heavy chain		3
Oxysterol-binding protein;Oxysterol-binding protein-related protein 6		3
ATP-binding cassette sub-family E member 1		3
Ubiquitin-like modifier-activating enzyme 1	3;4	
Abhydrolase domain-containing protein 8		3
		3
Ephexin-1		3
Plexin-A2	2;3	
Plexin-A1	2;3	
Nischarin	2;3	
E3 ubiquitin-protein ligase HUWE1		3
Spectrin beta chain, non-erythrocytic 1		2
Thioredoxin-related transmembrane protein 2		3
Eukaryotic translation initiation factor 3 subunit E		3
Protein rogdi homolog		3
E3 ubiquitin-protein ligase MIB1		3
Coiled-coil domain-containing protein 50		3
Coronin-2B	2;3	
Optineurin		2
Cytoplasmic dynein 1 heavy chain 1		3
Neurofilament medium polypeptide	2;3	
COP9 signalosome complex subunit 3		3
Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	2;3	
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform;Ser		3
Ubiquitin carboxyl-terminal hydrolase 48		3
Epsin-2	2;3	
Transmembrane emp24 domain-containing protein 9	2;3	
Baculoviral IAP repeat-containing protein 6	3;4	
Spectrin beta chain, non-erythrocytic 1		3
Heterogeneous nuclear ribonucleoprotein U	2;3	
		3
Neuron-specific calcium-binding protein hippocalcin	2;3	
Neuron-specific calcium-binding protein hippocalcin		3
Transgelin-3	2;3	
Guanine nucleotide-binding protein G(o) subunit alpha		3
Guanine nucleotide-binding protein G(z) subunit alpha		3
NEDD8		2
Poly(rC)-binding protein 1		3
26S proteasome non-ATPase regulatory subunit 13		3
Vesicle transport through interaction with t-SNAREs homolog 1A		3
Neurofilament light polypeptide		3
Gap junction beta-1 protein	2;3	
Ras-related protein Rab-21	2;3	
		2
Ubiquitin-conjugating enzyme E2 K		3

Visinin-like protein 1		3
Neuron-specific calcium-binding protein hippocalcin	2;3;4	
Hippocalcin-like protein 1		3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2		3
Protocadherin gamma-A4		3
Coronin;Coronin-2A		3
Ubiquitin-like modifier-activating enzyme 1	2;3	
Adenylate cyclase type 8		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	2;3	
Breast carcinoma-amplified sequence 3 homolog	2;3	
Ubiquitin carboxyl-terminal hydrolase 33		3
Neurofilament medium polypeptide		2
	2;3	
Ribosome maturation protein SBDS		3
		3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2		3
F-box only protein 41		3
		2
Ras-related protein Rab-12		3
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1		3
Dystonin		3
Voltage-dependent R-type calcium channel subunit alpha-1E	3;4	
Dual specificity protein phosphatase 15		3
Voltage-dependent R-type calcium channel subunit alpha-1E	2;3	
Protein SOGA3		3
E3 ubiquitin-protein ligase LRSAM1		3
	2;3	
Synaptojanin-1		3
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	3;4	
TBC1 domain family member 10B		3
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8		3
Solute carrier family 22 member 6		3
Baculoviral IAP repeat-containing protein 6		2
Syntaxin-8		3
Ras/Rap GTPase-activating protein SynGAP	3;4	
Spectrin alpha chain, non-erythrocytic 1		3
F-box/LRR-repeat protein 17		3
Eukaryotic translation initiation factor 3 subunit M		3
Kinesin-like protein;Kinesin-like protein KIF1A	3;4	
Kinesin-like protein KIF1B		3
Pleckstrin homology domain-containing family B member 2	3;4	
Mothers against decapentaplegic homolog 4	3;4	
GTP-binding protein Di-Ras2		3
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed		3
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed		3
Glutamate decarboxylase 1		3
Protein wntless homolog		3
Spartin		3
Transcription elongation factor A protein 1		3
Ubiquitin carboxyl-terminal hydrolase 20	3;4	

Basic leucine zipper and W2 domain-containing protein 1		3
Sodium-dependent neutral amino acid transporter SLC6A17;Transporter	2;3	
Sodium-dependent neutral amino acid transporter SLC6A17;Transporter	3;4;5	
Eukaryotic translation initiation factor 3 subunit A	2;3	
Core histone macro-H2A.2		3
Nesprin-1		3
Serum albumin		4
60S ribosomal protein L7a	2;3	
Lipoma HMGIC fusion partner-like 4 protein	2;3	
		3
Annexin A6;Annexin		3
Secretory carrier-associated membrane protein 3	2;3	
Paralemmin-2		3
Zinc finger protein 330		3
ATP synthase subunit alpha, mitochondrial;ATP synthase subunit alpha		3
Pre-mRNA-processing-splicing factor 8		3
Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform	3;4	
Serine/threonine-protein phosphatase;Serine/threonine-protein phosphatase 2B catalytic		3
Hepatocyte growth factor-regulated tyrosine kinase substrate		2
Tyrosine--tRNA ligase;Tyrosine--tRNA ligase, cytoplasmic;Tyrosine--tRNA ligase, cytoplasmic		2
MAP kinase-activating death domain protein		3
Type II inositol 3,4-bisphosphate 4-phosphatase		3
Elongation factor 1-alpha 1		3
Elongation factor 1-alpha 2	2;3	
Protein KIAA1045		3
Centriolar coiled-coil protein of 110 kDa		3
DnaJ homolog subfamily B member 6	2;3	
DnaJ homolog subfamily B member 6		4
ATP synthase subunit alpha, mitochondrial;ATP synthase subunit alpha		3
Fatty acid-binding protein, heart	2;3	
Vinculin	2;3	
E3 ubiquitin-protein ligase RNF185	2;3	
Vimentin		2
Protein ZNF365		3
F-box only protein 41	3;4	
Putative adenosylhomocysteinase 2		3
Dedicator of cytokinesis protein 3		3
Dedicator of cytokinesis protein 3		4
26S protease regulatory subunit 7	2;3	
Neuromodulin		4
Vacuolar protein sorting-associated protein 52 homolog		3
Ectoderm-neural cortex protein 1		3
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2		4
Exocyst complex component 8		3
AP complex subunit beta;AP-2 complex subunit beta		3
GTP-binding protein Di-Ras2	3;4	
GTP-binding protein Di-Ras1		4
Vacuolar protein sorting-associated protein 45		3
CaM kinase-like vesicle-associated protein		4
Rho GTPase-activating protein 1	2;3	

Potassium voltage-gated channel subfamily KQT member 2	2
Vimentin	3
	3
	3
Ras-related protein Ral-A	2;3
Disks large homolog 1	3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2;Plasma n	2;3
L-lactate dehydrogenase;L-lactate dehydrogenase A chain	2;3
Mast/stem cell growth factor receptor Kit	2;3
Translin-associated protein X	3
Heat shock 70 kDa protein 4	3
Ras-related protein Rap-1A	3
Homer protein homolog 1	3
Adenylate cyclase type 2	3
Heat shock 70 kDa protein 12A	3
Calmodulin-regulated spectrin-associated protein 2	3
ZW10 interactor	3
40S ribosomal protein S29	3
Alpha-actinin-1	2;3
Guanine nucleotide-binding protein G(o) subunit alpha	3
Glycosylphosphatidylinositol anchor attachment 1 protein	3
Striatin	3
Protein shisa-6 homolog	5
KH domain-containing, RNA-binding, signal transduction-associated protein 1;KH domain	3
Septin-11;Septin-8	3;4
Unconventional myosin-Va	3;4
Bifunctional purine biosynthesis protein PURH;Phosphoribosylaminoimidazolecarboxami	2;3
Actin-related protein 3B	2;3
Phosphatidylserine synthase 1	3
Ras GTPase-activating protein-binding protein 2	3;4
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform;Ser	2
	2
Hepatocyte growth factor-regulated tyrosine kinase substrate	4
Microtubule-associated protein 2	3
Sodium/potassium-transporting ATPase subunit alpha-3	4
40S ribosomal protein S17	4
Reticulocalbin-2	3
Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 2	3
Inosine-5'-monophosphate dehydrogenase 2	3;4
Neurogenic locus notch homolog protein 1;Notch 1 extracellular truncation;Notch 1 intra	3
Syntaxin-binding protein 1	4;5;6
Ras-related protein Rab-2A	4
Heat shock cognate 71 kDa protein	4;5
	3
Peptidyl-prolyl cis-trans isomerase FKBP5;Peptidyl-prolyl cis-trans isomerase FKBP5, N-te	4
Protein arginine N-methyltransferase 8	4
	3
Peptidyl-prolyl cis-trans isomerase FKBP1A	3;4
Peptidyl-prolyl cis-trans isomerase FKBP1A	4
	3

	2
GRAM domain-containing protein 4	4
Ral GTPase-activating protein subunit alpha-1	4
AP-2 complex subunit alpha-1;AP-2 complex subunit alpha-2	3
1-acyl-sn-glycerol-3-phosphate acyltransferase delta	4
Synaptic vesicle glycoprotein 2A	4;5
Septin-8	3
	3
Basigin	4
	3
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase T	2;3;4
Adenylate kinase isoenzyme 1	3
Gap junction beta-6 protein;Gap junction protein	4
Septin-11;Septin-6	3
Septin-11;Septin-6	3
60S ribosomal protein L23a	3
Ribosomal protein L15;60S ribosomal protein L15	3
Ribosomal protein L15;60S ribosomal protein L15	4
Heterogeneous nuclear ribonucleoprotein K	3
Cell cycle control protein 50A	3
Prostate tumor-overexpressed gene 1 protein homolog	3
Sodium/potassium-transporting ATPase subunit alpha-1	2
Synaptotagmin-1	3;4;5
Disks large homolog 2	3
Integrin-linked protein kinase	3
	4
Melanoma-associated antigen E1	4
Dynamin-1-like protein	4
Dynamin-1	4;5
Actin-related protein 3B	3;4
Dihydropteridine reductase	3
2',3'-cyclic-nucleotide 3'-phosphodiesterase	3;4;5
Disco-interacting protein 2 homolog B	4
	4;5;6
G-protein coupled receptor-associated sorting protein 1	3
Cysteine and histidine-rich domain-containing protein 1	3
Cytochrome b561	3
Myelin-associated glycoprotein	3;4
Diacylglycerol kinase beta	3
Bone morphogenetic protein receptor type-2	3
Brefeldin A-inhibited guanine nucleotide-exchange protein 3	3
Tubulin-specific chaperone C	4
	3
Synaptopodin	3
DDB1- and CUL4-associated factor 8	4
Ubiquitin carboxyl-terminal hydrolase 43	3
Protein bassoon	3;4
Astrotactin-1	4;5
Elongation factor 1-alpha 1	2;3;4
Ras-related protein Rap-2a	2;3;4

Sodium/potassium-transporting ATPase subunit alpha-2	3
Gamma-aminobutyric acid receptor subunit alpha-3	3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	2;3
Peroxisome biogenesis factor 10	3
Lateral signaling target protein 2 homolog	3
Ankyrin-2	3;4
Axin interactor, dorsalization-associated protein	4
Plasminogen activator inhibitor 1 RNA-binding protein	3
Spectrin beta chain, non-erythrocytic 1	4
Transmembrane protein 130	3
Aconitate hydratase, mitochondrial	2;3
Excitatory amino acid transporter 2	2;3
Sorting nexin-5	3
Sorting nexin-6;Sorting nexin-6, N-terminally processed	3;4
WD repeat-containing protein 48	3
L-lactate dehydrogenase B chain	2;3
L-lactate dehydrogenase;L-lactate dehydrogenase A chain	2;3
Phosphoserine aminotransferase	3
60S ribosomal protein L17	3;4
Nucleoside diphosphate kinase A	3
	3
Protein orai-2	3
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	3
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	3;4
Breast carcinoma-amplified sequence 3 homolog	3
Beta-adducin	3
UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit	4
Syntaxin-binding protein 6	2;3
ATP-citrate synthase	2
Neurofilament medium polypeptide	3
Vacuolar protein-sorting-associated protein 36	3
Signal recognition particle receptor subunit beta	3
Glutamate receptor ionotropic, NMDA 2A	2;3
Kinesin-like protein;Kinesin-like protein KIF3A	2
Tankyrase-1	3
SWI/SNF complex subunit SMARCC2	3
Transmembrane protein 176B	2;3
Adenylyl cyclase-associated protein 2;Adenylyl cyclase-associated protein	2;3
Uncharacterized protein KIAA1467	4
Cytosolic non-specific dipeptidase	2
Nck-associated protein 1	3
Vacuolar protein sorting-associated protein 41 homolog	3;4
Ras-related protein Rap-1A;Ras-related protein Rap-1b	3
Uncharacterized protein KIAA0513	2;3
Peroxiredoxin-2	2;3
Anion exchange protein 2	3
Anion exchange protein 2	3;4
SRSF protein kinase 2;SRSF protein kinase 2 N-terminal;SRSF protein kinase 2 C-terminal	3
Dihydrolipoyl dehydrogenase, mitochondrial	2
Protein transport protein Sec31A	3

Potassium voltage-gated channel subfamily A member 2		3
D-3-phosphoglycerate dehydrogenase	2;3	
Kinesin-1 heavy chain;Kinesin-like protein		3
Neurobeachin		3
Disks large-associated protein 3		3
Long-chain-fatty-acid--CoA ligase 1		3
40S ribosomal protein S10	2;3;4	
Hemoglobin subunit beta-2		3
Integrin beta-1		2
Dihydropyrimidinase-related protein 2	3;4;5	
Dihydropyrimidinase-related protein 2	3;4;5	
Metallothionein-3		3
Sodium/potassium-transporting ATPase subunit beta-2		3
G-protein coupled receptor 26		3
FXFD domain-containing ion transport regulator 7		2
Ras-related protein Rab-14		3
Ras-related protein Rab-2A;Ras-related protein Rab-2B		3
Potassium voltage-gated channel subfamily KQT member 2		3
Alpha-enolase		3
Glutamate receptor ionotropic, NMDA 2B		3
Voltage-dependent anion-selective channel protein 2		3
E3 ubiquitin-protein ligase RNF130	3;4	
Brain acid soluble protein 1	2;3	
Brain acid soluble protein 1	3;4	
Prothymosin alpha;Prothymosin alpha, N-terminally processed;Thymosin alpha	2;3	
DmX-like protein 2		3
Monocarboxylate transporter 1	2;3	
Golgi phosphoprotein 3		4
Mitogen-activated protein kinase 9;Mitogen-activated protein kinase;Mitogen-activated	2;3	
Mitochondrial import receptor subunit TOM70		4
ATP-dependent RNA helicase DHX36		4
		3
	2;3	
Disco-interacting protein 2 homolog B		3
RING1 and YY1-binding protein		5
Thymosin beta-4;Hematopoietic system regulatory peptide		3
Thymosin beta-4;Hematopoietic system regulatory peptide		4
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet	2;3	
UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit	2;3	
Mitochondrial Rho GTPase 1		3
Autophagy-related protein 16-1		3
Armadillo repeat-containing protein 1		3
Voltage-dependent calcium channel gamma subunit;Voltage-dependent calcium channel	2;3	
Amyloid beta A4 precursor protein-binding family A member 2		3
Na(+)/H(+) exchange regulatory cofactor NHE-RF2		3
Protein-methionine sulfoxide oxidase MICAL3		3
Copine-8		3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12		3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	3;4	
Visinin-like protein 1		2

Hippocalcin-like protein 4		2
Hippocalcin-like protein 4	2;3	
Gap junction alpha-1 protein	2;3;4	
Small ubiquitin-related modifier 1		3
Intraflagellar transport protein 81 homolog		3
AP-4 complex subunit mu-1		3
Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	2;3	
Mitogen-activated protein kinase 3;Mitogen-activated protein kinase		3
Lys-63-specific deubiquitinase BRCC36	2;3	
		3
AP-2 complex subunit alpha-2		3
Glutamate receptor ionotropic, NMDA 2B	3;4	
Sprouty-related, EVH1 domain-containing protein 1		3
Histone H1.2	2;3	
Histone H1.2		3
Lamin-B2		3
LanC-like protein 2	3;4	
Inositol 1,4,5-trisphosphate receptor type 1		2
Ganglioside-induced differentiation-associated protein 2		3
A-kinase anchor protein 9		3
Actin-related protein 2		3
Junctional adhesion molecule A		2
Microtubule-associated protein 6		3
ATP-binding cassette sub-family A member 3	2;3	
Metal transporter CNNM3		2
Reticulon-3		3
WD repeat-containing protein 59		3
Transmembrane protein 91		3
Potassium voltage-gated channel subfamily A member 6	2;3	
Parathyromosin		2
Plectin	2;3	
		4
Protein sprouty homolog 2		3
Protein sprouty homolog 2		4
Annexin A5		3
14-3-3 protein beta/alpha;14-3-3 protein beta/alpha, N-terminally processed		2
Neurofilament medium polypeptide		3
Proliferation-associated protein 2G4		3
		3
		3
26S protease regulatory subunit 10B		2
Voltage-dependent anion-selective channel protein 1		3
Nucleosome assembly protein 1-like 4		3
Cytoplasmic dynein 1 heavy chain 1		3
Neural cell adhesion molecule 1		3
Neural cell adhesion molecule 1	3;4	
Na(+)/H(+) exchange regulatory cofactor NHE-RF1	3;4;5	
E3 ubiquitin-protein ligase RNF149		4
DCC-interacting protein 13-alpha		3
Heterogeneous nuclear ribonucleoprotein A1;Heterogeneous nuclear ribonucleoprotein		3

Histone H1.4	2;3	
Histone H1.4	2;3	
Histone H1.3	2;3	
Histone H1.3		3
Histone H1.5		2
Histone H1.1		3
26S proteasome non-ATPase regulatory subunit 2		3
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2		3
Mitogen-activated protein kinase kinase kinase 1		3
Kinesin heavy chain isoform 5C		3
Synaptobrevin homolog YKT6		2
F-actin-capping protein subunit alpha-2		3
ATP-dependent 6-phosphofructokinase, muscle type	2;3	
SEC14-like protein 2		3
Down syndrome cell adhesion molecule-like protein 1 homolog	2;3	
Eukaryotic translation initiation factor 2 subunit 3, X-linked;Eukaryotic translation initiation factor 3;4		3;4
Ras-related protein Rab-10		2
Protein shisa-7	3;4	
Ataxin-3	3;4	
Ankyrin repeat domain-containing protein 13A		4
Calcium-activated potassium channel subunit alpha-1	2;3	
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 24	2;3	
Metabotropic glutamate receptor 7		3
Myristoylated alanine-rich C-kinase substrate		3
Protein FAM214A		3
Chromodomain Y-like protein 2		3
		3
Caprin-1	2;3	
Voltage-dependent anion-selective channel protein 2	2;3	
Glutamate receptor ionotropic, NMDA 2A		3
		3
Heterogeneous nuclear ribonucleoprotein Q	2;3	
		3
Exocyst complex component 6	2;3	
Exocyst complex component 6	2;3	
Glutamate receptor ionotropic, NMDA 2B		4
Gamma-aminobutyric acid receptor subunit beta-3;Gamma-aminobutyric acid receptor subunit 3		3
E3 ubiquitin-protein ligase HUWE1		3
Heat shock cognate 71 kDa protein	2;3	
Heat shock cognate 71 kDa protein		3
Protein SOGA3	2;3	
40S ribosomal protein SA	2;3	
40S ribosomal protein SA		2
Kinesin-like protein KIF1B;Kinesin-like protein		2
Cleavage stimulation factor subunit 3		2
Elongation factor 1-alpha 2		3
Catenin delta-1	2;3	
Hsp90 co-chaperone Cdc37;Hsp90 co-chaperone Cdc37, N-terminally processed		3
Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1		3
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase delta;Receptor-type tyrosine-protein phosphatase delta	3;4	

Solute carrier family 15 member 4	3;4	
Exocyst complex component 4		3
Protein kinase C gamma type;Protein kinase C	2;3	
A-kinase anchor protein 5		3
Alpha-enolase;Gamma-enolase;Enolase;Beta-enolase		3
Cytoplasmic FMR1-interacting protein 1		3
Formin-binding protein 1		3
Ras-related protein Rab-39B	3;4	
Calpain-5	3;4	
Caveolin-1	2;3	
Prefoldin subunit 2		3
Spectrin beta chain, non-erythrocytic 1		4
Heterogeneous nuclear ribonucleoprotein Q		3
Platelet-activating factor acetylhydrolase IB subunit alpha		2
Cell surface glycoprotein MUC18	2;3	
AP-2 complex subunit mu	2;3;4	
Bifunctional glutamate/proline--tRNA ligase;Glutamate--tRNA ligase;Proline--tRNA ligase		3
Voltage-dependent N-type calcium channel subunit alpha-1B		3
Alpha-enolase		3
60S ribosomal protein L30	2;3	
Calmodulin-regulated spectrin-associated protein 3		4
Dishevelled-associated activator of morphogenesis 1		3
Ankyrin-3	3;4;5;6	
Astrotactin-1	2;3	
Endothelin B receptor	3;4	
Microtubule-associated protein 2		3
GMP synthase [glutamine-hydrolyzing]	2;3	
Microtubule-associated protein 1S;MAP1S heavy chain;MAP1S light chain		3
RING finger protein 112		3
Misshapen-like kinase 1		3
Traf2 and NCK-interacting protein kinase	2;3	
Potassium voltage-gated channel subfamily D member 2		3
Ubiquitin-conjugating enzyme E2 J1		3
Protein kinase C and casein kinase substrate in neurons protein 1	2;3	
Structural maintenance of chromosomes protein 1A		3
Ubiquitin-like modifier-activating enzyme 1	3;4	
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 6		2
Peptidyl-prolyl cis-trans isomerase D		3
Protein kinase C delta-binding protein		4
Stathmin		3
Tripeptidyl-peptidase 2	2;3;4	
		3
Carbonic anhydrase 2		3
Phosphatidylglycerophosphatase and protein-tyrosine phosphatase 1		3
Sodium-dependent multivitamin transporter		3
2',3'-cyclic-nucleotide 3'-phosphodiesterase		3
Enhancer of rudimentary homolog	2;3;4	
C-Jun-amino-terminal kinase-interacting protein 4	3;4	
Sodium-coupled neutral amino acid transporter 2	3;4	
Sodium-coupled neutral amino acid transporter 2	3;4	

Synaptojanin-1		3
Nociceptin receptor	2;3	
Guanine nucleotide-binding protein G(olf) subunit alpha	2;3;4	
COMM domain-containing protein 1		3
Interferon alpha/beta receptor 1		3
Gamma-enolase;Enolase		2
Cysteine-rich hydrophobic domain-containing protein 2	2;3	
		2
Secernin-1		3
Probable palmitoyltransferase ZDHHC20	3;4	
Exocyst complex component 5		3
Golgi SNAP receptor complex member 1		3
Cannabinoid receptor 1	3;4;5	
		2
E3 ubiquitin-protein ligase TTC3	2;3	
T-complex protein 1 subunit delta		3
High affinity cationic amino acid transporter 1		3
Microtubule-associated protein 2;Microtubule-associated protein		3
Interferon gamma receptor 1		3
Proteasome subunit beta type-3		2
Hexokinase-1;Hexokinase		3
Ubiquitin-like modifier-activating enzyme 1	2;3;4	
Tubulin alpha-4A chain;Tubulin alpha-1B chain		3
Cysteine-rich hydrophobic domain-containing protein 1	2;3	
Histone deacetylase 2;Histone deacetylase;Histone deacetylase 1		3
Histone deacetylase 2;Histone deacetylase;Histone deacetylase 1	3;4	
EH domain-containing protein 4	2;3	
Actin-related protein 10		2
Zinc transporter ZIP12		3
DnaJ homolog subfamily B member 6		2
Rho guanine nucleotide exchange factor 2		3
Dihydropyrimidinase-related protein 2		3
		3
Solute carrier family 12 member 2		3
Protein phosphatase methylesterase 1		3
E3 ubiquitin-protein ligase MYCBP2		3
Peptidyl-prolyl cis-trans isomerase A;Peptidyl-prolyl cis-trans isomerase A, N-terminally p	2;3	
Heat shock protein HSP 90-beta		3
C-Jun-amino-terminal kinase-interacting protein 4	2;3	
Calmodulin-regulated spectrin-associated protein 1	2;3	
E3 ubiquitin-protein ligase NEDD4-like		3
Transketolase	3;4	
Prolyl endopeptidase-like	2;3;4	
Ribosome-recycling factor, mitochondrial		4
Tripartite motif-containing protein 44		4
Disks large homolog 2		3
Gap junction gamma-3 protein		3
Gap junction gamma-3 protein		3
Neuronal membrane glycoprotein M6-a	2;3;4	
Fumarate hydratase, mitochondrial		3

Neural cell adhesion molecule 2	2;3	
Spartin		3
		3
Neuronal membrane glycoprotein M6-b		2
Monocarboxylate transporter 1	3;4	
Stathmin		2
Vimentin		3
Glial fibrillary acidic protein		3
Alpha-internexin	2;3	
Low-density lipoprotein receptor-related protein 4		3
Ras GTPase-activating protein 3		3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase		3
Nucleolin	2;3	
Heat shock cognate 71 kDa protein	2;3	
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase O		4
		3
Guanine nucleotide-binding protein G(s) subunit alpha isoforms short;Guanine nucleotid	2;3	
Ras-related protein Rap-1A;Ras-related protein Rap-1b		3
Translocation protein SEC63 homolog		3
cTAGE family member 5;Melanoma inhibitory activity protein 2		3
Tubulin-folding cofactor B		3
Disco-interacting protein 2 homolog B		3
EH domain-containing protein 3		3
Epidermal growth factor receptor substrate 15-like 1	3;4	
Voltage-dependent anion-selective channel protein 3	2;3	
Vesicular inhibitory amino acid transporter	2;3	
Mitochondrial import receptor subunit TOM40 homolog		3
Apolipoprotein E		3
Apolipoprotein E		2
C-Jun-amino-terminal kinase-interacting protein 3	2;3	
ADP-ribosylation factor-binding protein GGA3		3
Actin-related protein 2/3 complex subunit 5		2
GRIP and coiled-coil domain-containing protein 2		4
F-actin-capping protein subunit beta		4
	2;3	
Epsin-2		2
Epsin-2		3
		3
Pleckstrin homology domain-containing family G member 5		3
Heterogeneous nuclear ribonucleoprotein A1;Heterogeneous nuclear ribonucleoprotein		2
Dehydrolipichyl diphosphate syntase complex subunit Dhdds	2;3	
Matrin-3		2
Paired amphipathic helix protein Sin3a		3
V-type proton ATPase subunit H		3
Proteasome subunit alpha type-1		3
Polyadenylate-binding protein 1		4
Dihydropyrimidinase-related protein 1	2;3	
		3
Myelin basic protein	2;3;4	
Myelin basic protein		3

	3
Somatostatin;Antrin;Somatostatin-28;Somatostatin-14	2;3
L-lactate dehydrogenase B chain;L-lactate dehydrogenase	2;3
Anion exchange protein;Electrogenic sodium bicarbonate cotransporter 1	2
Multivesicular body subunit 12B	2;3
V-type proton ATPase subunit C 1	2
IQ motif and SEC7 domain-containing protein 2	3
Myb-related protein B	3
Protein DDI1 homolog 2	3
F-actin-capping protein subunit beta	3
Phospholipid scramblase 1	3
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	3
Plasma membrane calcium-transporting ATPase 1	3;4
Plasma membrane calcium-transporting ATPase 1	2;3;4
Vesicle-associated membrane protein 7	2;3
Vesicle-associated membrane protein 7	3;4
Septin-11;Septin-8;Septin-6	3
RIMS-binding protein 2	2
Tropomyosin alpha-3 chain;Tropomyosin alpha-1 chain	3
CAP-Gly domain-containing linker protein 2	3
	3
40S ribosomal protein S20	3
Protein phosphatase methylesterase 1	3
Disks large homolog 4	2;3
Kinesin heavy chain isoform 5C	3
Prolyl 3-hydroxylase OGFOD1	2
	3
ELAV-like protein 3	3
Bifunctional purine biosynthesis protein PURH;Phosphoribosylaminoimidazolecarboxami	2
ELAV-like protein 1	3
Porphobilinogen deaminase	2
Ubiquitin carboxyl-terminal hydrolase 33	2;3
Delta-like protein 4	2
Elongation factor 1-beta	3
Glutathione S-transferase P 1;Glutathione S-transferase P 2	3
LETM1 and EF-hand domain-containing protein 1, mitochondrial	3
Voltage-gated potassium channel subunit beta-1	4
Trafficking protein particle complex subunit 10	3
T-complex protein 1 subunit alpha	3
Apoptosis-resistant E3 ubiquitin protein ligase 1	3
Dedicator of cytokinesis protein 7	3
	3
	2
Eukaryotic translation initiation factor 1A, X-chromosomal;Eukaryotic translation initiatio	2
Epidermal growth factor receptor substrate 15-like 1	2
Polymerase I and transcript release factor	2
	2;3
	3
Synapsin-1	3
Dedicator of cytokinesis protein 7	3

Kinesin-like protein;Kinesin-like protein KIF2A;Kinesin-like protein KIF2B;Kinesin-like prot	3
Vinculin	3
TBC1 domain family member 23	3
NACHT and WD repeat domain-containing protein 2	3;4
Developmentally-regulated GTP-binding protein 2	3
Phosphoglycerate kinase 1;Phosphoglycerate kinase	2;3
Mitochondrial fission regulator 1-like	3
	2
Small nuclear ribonucleoprotein Sm D2	3
Cytoplasmic dynein 1 heavy chain 1	3
E3 ubiquitin-protein ligase TRIM33	3
Interferon gamma receptor 1	3
Rho GTPase-activating protein 32	3
Phosphoglycerate kinase 1	2;3
Short-chain dehydrogenase/reductase 3	3;4
	2
WD repeat-containing protein 47	4
E3 ubiquitin-protein ligase NEDD4	2;3
Metallo-beta-lactamase domain-containing protein 2	3
	3
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	3;4
Misshapen-like kinase 1	3
Fibrous sheath-interacting protein 2	3
ERC protein 2	3
Kinesin heavy chain isoform 5C	4
PH and SEC7 domain-containing protein 3	3;4
Transportin-2;Transportin-1	2
Syntaxin-binding protein 5-like	3
Golgin subfamily A member 2	3
Transmembrane protein 106B	3;4;5
Transmembrane protein 106B	2;3;4;5
Leucine-rich repeat-containing protein 57	3
Brain-specific angiogenesis inhibitor 1-associated protein 2	3
E3 ubiquitin-protein ligase NEDD4-like	3
	3
Protein kinase C iota type	3
	3
Kinesin-1 heavy chain	3
	2
DnaJ homolog subfamily B member 6	2;3
Leukotriene A-4 hydrolase	2
Sodium-coupled neutral amino acid transporter 1	3
Ubiquitin carboxyl-terminal hydrolase 38	3
Tyrosine-protein kinase Fyn;Non-specific protein-tyrosine kinase	3
SWI/SNF complex subunit SMARCC2;SWI/SNF complex subunit SMARCC1	3
Sorting nexin-6;Sorting nexin-6, N-terminally processed	3
Proliferation-associated protein 2G4	3
Splicing factor 3B subunit 1	3
	3
Multiple PDZ domain protein	3

Alpha-adducin	3
Histone H1.4;Histone H1.3;Histone H1.5	2
Heat shock protein HSP 90-beta	2;3
Heat shock protein HSP 90-beta	4
Fatty acid-binding protein, heart	3;4
Oligodendrocyte-myelin glycoprotein	3
MICOS complex subunit Mic27	2
Syntenin-1	2
Microtubule-associated protein 6	2
Protein LCHN	3
Cytosolic acyl coenzyme A thioester hydrolase	3
Cytosolic acyl coenzyme A thioester hydrolase	3
Potassium voltage-gated channel subfamily B member 2	3
Dual specificity mitogen-activated protein kinase kinase 7	3
Synaptopodin	2;3
Synaptopodin	3
Synaptopodin	3;4
ATP-citrate synthase	3
EF-hand domain-containing protein D2	3
Selection and upkeep of intraepithelial T-cells protein 6	3
Atlastin-1	3
Very low-density lipoprotein receptor	3
Very low-density lipoprotein receptor	3
Putative adenosylhomocysteinase 2	2
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	3;4
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	3
Plasma membrane calcium-transporting ATPase 1	2;3
Creatine kinase B-type	4
Proteasome subunit alpha type-5	3
Serine/threonine-protein kinase MRCK beta	3
Calpain small subunit 1	3
E2/E3 hybrid ubiquitin-protein ligase UBE2O	3;4;5
Copine-8	3
Cell death-inducing p53-target protein 1	3;4
StAR-related lipid transfer protein 3	4
Proteasome subunit alpha type-3	4
AP-2 complex subunit mu	3
AP-2 complex subunit mu	3
Hemoglobin subunit alpha	2
Occludin	3
Synaptotagmin-4	4
Small glutamine-rich tetratricopeptide repeat-containing protein alpha	2;3
Small glutamine-rich tetratricopeptide repeat-containing protein beta	2
Homer protein homolog 1	3
Disks large-associated protein 2	3
RasGAP-activating-like protein 1	2;3
	3
cAMP-dependent protein kinase type I-beta regulatory subunit	3
Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A	3
Protein RUFY3	2;3

Sequestosome-1	3;4	
Heat shock 70 kDa protein 12A	2;3	
GTP-binding nuclear protein Ran	2;3	
60S ribosomal protein L4		3
NEDD8-activating enzyme E1 catalytic subunit	2;3	
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		3
Glutamate receptor ionotropic, NMDA 2A		3
Synaptojanin-1	2;3;4	
Beta-catenin-interacting protein 1	2;3	
Ataxin-10	2;3	
Pannexin-2		3
Glutamate receptor ionotropic, NMDA 2A	2;3	
NSFL1 cofactor p47		4
Junctional adhesion molecule C		3
Transmembrane protein 127	2;3	
Solute carrier family 12 member 2		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		2
		3
		3
	3;4	
Ran-binding protein 9		2
Nucleoporin NUP53		3
Leucine zipper putative tumor suppressor 1		3
Guanine nucleotide-binding protein G(o) subunit alpha	3;4	
Lipid phosphate phosphatase-related protein type 3		3
Lipid phosphate phosphatase-related protein type 4		3
Lipid phosphate phosphatase-related protein type 4	2;3	
Multidrug resistance-associated protein 5		3
NSFL1 cofactor p47	2;3	
	2;3	
Progesterone and adiponectin receptor family member 9		3
Latrophilin-1		3
Sphingomyelin synthase-related protein 1		3
Ubiquitin-like modifier-activating enzyme 1		3
Synaptopodin	3;4	
Synaptopodin	3;4;5	
Potassium channel subfamily T member 1		4
Catenin delta-2;Plakophilin-4	2;3	
Sodium-coupled neutral amino acid transporter 3		3
Synaptotagmin-5		3
Synaptotagmin-5		3
E3 ubiquitin-protein ligase TRIM37		3
Synapse differentiation-inducing gene protein 1		2
Transmembrane protein 100		3
Connector enhancer of kinase suppressor of ras 2		3
Transitional endoplasmic reticulum ATPase	2;3	
Neurofilament medium polypeptide		2
BTB/POZ domain-containing protein KCTD3;SH3KBP1-binding protein 1		2
Puromycin-sensitive aminopeptidase	3;4	
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2	3;4	

F-actin-capping protein subunit beta	3
40S ribosomal protein S2	2;3;4;5
Synaptotagmin-5	2;3;4
Paternally-expressed gene 3 protein	3
Phospholipid-transporting ATPase 1A	2;3
Phytanoyl-CoA hydroxylase-interacting protein-like	3;4
4F2 cell-surface antigen heavy chain	3
Stefin-3	3
Nischarin	3
N-alpha-acetyltransferase 25, NatB auxiliary subunit	3
Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform	3
Mortality factor 4-like protein 2	3
E3 ubiquitin-protein ligase Itchy	2;3
Malate dehydrogenase, cytoplasmic	2;3
AP-2 complex subunit mu	3;4
ATP-dependent RNA helicase DDX1	3;4
Ganglioside-induced differentiation-associated protein 1	3
Solute carrier family 12 member 5	2;3
Solute carrier family 12 member 5	3
Solute carrier family 12 member 5	3;4
Protein IMPACT	3
Potassium voltage-gated channel subfamily KQT member 3	3
Serine/threonine-protein kinase SIK3	3
Membrane-associated phosphatidylinositol transfer protein 2	3
Protein piccolo	3
E3 ubiquitin-protein ligase TRIM32	3
Unconventional myosin-Va	2
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	3
Ephexin-1	3
CUGBP Elav-like family member 1;CUGBP Elav-like family member 2	2;3
Stonin-2	3
Nucleolin	3
Dystonin	3
Transmembrane protein 200A	3
Ras/Rap GTPase-activating protein SynGAP	2
Ubiquitin carboxyl-terminal hydrolase 33	3
Potassium voltage-gated channel subfamily H member 7	2;3
Ubiquilin-2	2
Transmembrane protein 59	2;3;4
Aquaporin-4	4
Aquaporin-4	3;4;5
Aquaporin-4	3;4;5;6
Aquaporin-4	5
Heat shock 70 kDa protein 4	2;3
Phosphatidylinositol transfer protein alpha isoform	2
Glutathione S-transferase Mu 5	3
Neuropeptide Y receptor type 1	5
Peptide-N(4)-(N-acetyl-beta-glucosaminyl)asparagine amidase	3
Neuronal membrane glycoprotein M6-b	3
40S ribosomal protein S9	3

Ubiquitin carboxyl-terminal hydrolase 33	3;4	
Rho-associated protein kinase 2		3
Rho-associated protein kinase 2		3
Potassium voltage-gated channel subfamily H member 1		3
Potassium voltage-gated channel subfamily H member 1		4
Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform		2
Histone H2AX		2
Importin subunit beta-1		3
Regulator of G-protein signaling 7		3
Synaptosomal-associated protein 25	3;4	
26S proteasome non-ATPase regulatory subunit 13	2;3	
Phosphoserine aminotransferase	2;3	
E3 ubiquitin-protein ligase TRIM32	2;3	
Unconventional myosin-VI	2;3	
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc	3;4	
MICOS complex subunit Mic19		2
Platelet-derived growth factor receptor alpha;Platelet-derived growth factor receptor be		3
RNA-binding protein Raly		3
E3 ubiquitin-protein ligase HUWE1		3
Protein Mis18-alpha		2
Profilin-1;Profilin		3
Neurofilament light polypeptide		2
Brain-specific angiogenesis inhibitor 1		3
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2	2;3	
Chromobox protein homolog 5		3
60S ribosomal protein L18a		3
Pleckstrin homology domain-containing family O member 2		2
Heterogeneous nuclear ribonucleoprotein A1;Heterogeneous nuclear ribonucleoprotein		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		4
Regulator of G-protein signaling 7-binding protein	2;3	
DmX-like protein 2	3;4	
Elongation factor 1-beta	2;3	
Elongation factor 1-beta	3;4	
Synaptopodin		2
Mothers against decapentaplegic homolog 3		2
Adenylate cyclase type 9		4
Ras-related GTP-binding protein C;Ras-related GTP-binding protein D	2;3	
Erythroid differentiation-related factor 1		3
		3
Actin-related protein 2/3 complex subunit 4	2;3	
Sodium/potassium-transporting ATPase subunit alpha-2	2;3	
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	2;3	
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting		3
Glutathione S-transferase Mu 5		2
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	2;3	
	3;4	
Monoacylglycerol lipase ABHD6	2;3	
IQ motif and SEC7 domain-containing protein 2	2;3	
Glutamate receptor ionotropic, NMDA 2A	2;3	
Potassium voltage-gated channel subfamily H member 7		3

E3 ubiquitin-protein ligase HUWE1	2;3	
Sorting nexin-6;Sorting nexin-6, N-terminally processed		3
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase delta	3;4;5	
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2;Plasma n	2;3	
Huntingtin-interacting protein 1		3
Retinal dehydrogenase 1		3
Ras/Rap GTPase-activating protein SynGAP		3
TOM1-like protein 2	3;4	
Pro-neuropeptide Y;Neuropeptide Y;C-flanking peptide of NPY		3
TRPM8 channel-associated factor 1	3;4	
Dihydropyrimidinase-related protein 1		3
ATP-binding cassette sub-family A member 7		3
Sodium channel protein;Sodium channel protein type 8 subunit alpha	2;3	
2',3'-cyclic-nucleotide 3'-phosphodiesterase	3;4	
Huntingtin	3;4;5	
Metabotropic glutamate receptor 5	2;3	
Serine/threonine-protein kinase LMTK2		3
FACT complex subunit SSRP1		3
Potassium voltage-gated channel subfamily A member 1	3;4	
Latrophilin-1	2;3	
Nuclear pore complex protein Nup155	3;4	
		4
		3
Syntaphilin		3
Zinc finger ZZ-type and EF-hand domain-containing protein 1	2;3	
Roundabout homolog 2		3
Glutamate receptor ionotropic, NMDA 2B	4;5	
Cullin-associated NEDD8-dissociated protein 1		3
		3
Disks large-associated protein 2	2;3	
Disks large-associated protein 2	2;3	
ATP-binding cassette sub-family E member 1		2
Probable ATP-dependent RNA helicase DDX5;Probable ATP-dependent RNA helicase DD	2;3	
Inorganic pyrophosphatase 2, mitochondrial		3
Ran-binding protein 9		3
Cullin-3	2;3	
Visinin-like protein 1	2;3;4	
A-kinase anchor protein SPHKAP		3
Sorting nexin-11	2;3	
Protein IMPACT		3
Elongation factor 1-gamma		3
Reticulon-3		3
Heterogeneous nuclear ribonucleoprotein H;Heterogeneous nuclear ribonucleoprotein H		3
Splicing factor, proline- and glutamine-rich		3
		3
Glycerophosphodiester phosphodiesterase domain-containing protein 1		3
Inorganic pyrophosphatase		3
Ubiquitin conjugation factor E4 B		2
Mevalonate kinase		3
Ribosome maturation protein SBDS		2

Voltage-dependent R-type calcium channel subunit alpha-1E		3
F-actin-capping protein subunit beta	2;3	
Elongation factor 2		3
Septin-5	2;4	
Phosphatidylinositol-binding clathrin assembly protein		3
NADH-cytochrome b5 reductase 3;NADH-cytochrome b5 reductase 3 membrane-bound		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		4
Histone-lysine N-methyltransferase NSD2		3
Serine/threonine-protein kinase DCLK1		2
Protein BHLHb9	3;5	
Protein BHLHb9	2;3;4;5	
Actin-related protein 2	2;3	
Plakophilin-4		3
Elongation factor 1-alpha 2;Elongation factor 1-alpha 1		4
Protein syndesmos		2
		3
ATP synthase subunit alpha, mitochondrial;ATP synthase subunit alpha		2
Zinc finger protein 330		3
Lamin-B1		3
Geranylgeranyl transferase type-2 subunit alpha		3
Protein FAM81A	2;3	
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2		4
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	2;3;4	
		2
Beta-1,4-glucuronyltransferase 1		2
Parathymosin	2;3	
Kinectin		3
Pyruvate kinase PKM	2;3	
Cell growth regulator with RING finger domain protein 1		3
Poly(U)-binding-splicing factor PUF60	2;3	
Activity-regulated cytoskeleton-associated protein		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		3
Proteasome subunit alpha type-2	3;4	
Syntaxin-binding protein 1	2;3;4	
Syntaxin-binding protein 1	3;4	
Paternally-expressed gene 3 protein		4
Breast carcinoma-amplified sequence 1 homolog		3
Importin subunit beta-1		3
Cullin-7		3
Brain-specific angiogenesis inhibitor 3	2;3	
Clathrin light chain A		3
AP-1 complex subunit sigma-1A		3
Brain-specific angiogenesis inhibitor 1		2
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2;Plasma m		2
Nck-associated protein 1	2;3	
Potassium voltage-gated channel subfamily H member 5		3
		3
26S proteasome non-ATPase regulatory subunit 4	2;3	
26S proteasome non-ATPase regulatory subunit 4	2;3	
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 14		3

Coatmer subunit gamma-1		3
40S ribosomal protein S13	2;3	
Ankyrin repeat and sterile alpha motif domain-containing protein 1B		3
Serine/threonine-protein kinase LMTK1	2;3	
F-box only protein 7		3
		3
Far upstream element-binding protein 2	2;3	
Nucleolin		2
Gamma-aminobutyric acid type B receptor subunit 1		3
Dynamin-1-like protein		3
Transaldolase	2;3	
T-complex protein 1 subunit zeta	2;3	
Brain-specific angiogenesis inhibitor 1-associated protein 2		3
Neurofilament medium polypeptide	3;4	
Metabotropic glutamate receptor 5		3
26S proteasome non-ATPase regulatory subunit 7		3
	2;3	
Phosphoglycerate kinase 1;Phosphoglycerate kinase	3;4	
Asparagine--tRNA ligase, cytoplasmic	2;3	
Uncharacterized aarF domain-containing protein kinase 1		3
Ubiquitin-like protein 7	3;4	
26S protease regulatory subunit 7		2
Regulator of microtubule dynamics protein 3		2
SUMO-activating enzyme subunit 2	2;3	
Hypoxanthine-guanine phosphoribosyltransferase	2;3	
Receptor expression-enhancing protein 1	2;3	
Ninein		3
Phosphoglycerate mutase 1		3
Phosphoglycerate mutase 1	3;4	
Phosphoglycerate mutase 1	3;4;5	
Mitochondrial import receptor subunit TOM70		3
GTPase HRas;GTPase HRas, N-terminally processed		3
Synaptotagmin-5	2;3	
WD repeat-containing protein 1		5
26S proteasome non-ATPase regulatory subunit 7		2
5'-AMP-activated protein kinase catalytic subunit alpha-2		3
SH3 and multiple ankyrin repeat domains protein 1		3
Dihydropyrimidinase-related protein 2;Dihydropyrimidinase-related protein 3		3
Ras-related protein Rab-15		4
Signal-induced proliferation-associated 1-like protein 1		3
Teneurin-4		3
Protein dopey-2		3
GRAM domain-containing protein 4		3
Protein SCAI	3;4	
E3 ubiquitin-protein ligase NEDD4		3
Pleckstrin homology-like domain family A member 3		2
NEDD8	3;4	
Myristoylated alanine-rich C-kinase substrate	3;4	
Elongator complex protein 3		3
Brefeldin A-inhibited guanine nucleotide-exchange protein 3	2;3	

AP complex subunit beta;AP-2 complex subunit beta	3;4	
Nucleoporin SEH1		3
Ras-related protein Rab-2B		3
Transcription elongation regulator 1		3
		3
T-complex protein 1 subunit theta		3
Trafficking protein particle complex subunit 12		2
Glycerol kinase		4
Sodium- and chloride-dependent GABA transporter 3	2;3	
Phospholipid-transporting ATPase 1A	2;3	
2',3'-cyclic-nucleotide 3'-phosphodiesterase		3
Anion exchange protein 3		3
26S proteasome non-ATPase regulatory subunit 13	2;3	
General vesicular transport factor p115		3
Large neutral amino acids transporter small subunit 4	2;3;4	
Large neutral amino acids transporter small subunit 4		3
Glutamate receptor ionotropic, NMDA 2B		3
Vesicle-fusing ATPase	2;3	
Protein FAM171B	3;4	
Probable cation-transporting ATPase 13A2	3;4	
Ras-related protein Rab-5B		3
Ras-related protein Rab-5C		3
Protein kinase C beta type		3
G protein-regulated inducer of neurite outgrowth 1	3;4	
Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha		3
Dihydropyrimidinase-related protein 4		2
26S proteasome non-ATPase regulatory subunit 1		3
Gelsolin	2;3	
Gelsolin	2;3	
Ras-related protein Rab-2A	2;3	
Alcohol dehydrogenase [NADP(+)]		3
		2
Spectrin alpha chain, non-erythrocytic 1		3
Spectrin alpha chain, non-erythrocytic 1		3
Brain-specific angiogenesis inhibitor 1		3
Triosephosphate isomerase		3
Brain-specific angiogenesis inhibitor 3	2;3	
Ran GTPase-activating protein 1		3
DCN1-like protein;DCN1-like protein 1	3;4	
	2;3	
Glutamine synthetase		2
Glutamine synthetase	2;3	
Anion exchange protein;Electrogenic sodium bicarbonate cotransporter 1	2;3	
E3 ubiquitin-protein ligase RNF128;RING finger protein 148		3
Serum albumin	3;4	
Adenylate cyclase type 9		3
GTP-binding protein SAR1a		3
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase eta	3;4	
Protein CLEC16A		3
Phospholipid-transporting ATPase 1A	2;3	

Protein zer-1 homolog		3
Kelch-like protein 7	2;3	
Protein lin-7 homolog A		3
CAP-Gly domain-containing linker protein 3		4
Protein cornichon homolog 2	2;3	
Protein cornichon homolog 3		4
BRCA1-associated protein	2;3	
Splicing factor 3A subunit 1		3
Neurofilament medium polypeptide	2;3	
Ankyrin repeat domain-containing protein 13A		3
UPF0606 protein KIAA1549		3
TOM1-like protein 2	3;4	
cAMP-dependent protein kinase type I-beta regulatory subunit	2;3	
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform		3
DnaJ homolog subfamily B member 14		3
Protein bassoon	2;3	
F-box/WD repeat-containing protein 11		3
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IIA	2;3	
Zinc finger ZZ-type and EF-hand domain-containing protein 1	2;3	
Guanine nucleotide-binding protein G(o) subunit alpha		3
Guanine nucleotide-binding protein G(o) subunit alpha		3
AP complex subunit beta;AP-2 complex subunit beta		2
AP-1 complex subunit beta-1		2
14-3-3 protein theta		3
Sodium channel protein		3
Sodium channel protein		3
Calcium-dependent secretion activator 1	2;3	
U5 small nuclear ribonucleoprotein 200 kDa helicase	2;3	
Protein SOGA3		3
		4
		3
Sodium-coupled neutral amino acid transporter 3	3;4	
Sodium-coupled neutral amino acid transporter 3		3
Sodium-coupled neutral amino acid transporter 3		5
Membrane-associated phosphatidylinositol transfer protein 2	2;3	
CSC1-like protein 1		3
Phosphomannomutase 1;Phosphomannomutase		2
Protein-associating with the carboxyl-terminal domain of ezrin		3
Microtubule-associated protein 4		3
V-type proton ATPase subunit C 1		3
Activating signal cointegrator 1 complex subunit 3		3
Calmodulin-regulated spectrin-associated protein 1		3
Small glutamine-rich tetratricopeptide repeat-containing protein alpha	3;4	
Small glutamine-rich tetratricopeptide repeat-containing protein alpha		4
Protein-tyrosine kinase 2-beta		2
WD repeat and FYVE domain-containing protein 3		3
Microfibrillar-associated protein 3-like;Microfibril-associated glycoprotein 3	2;3	
Alpha-actinin-4	3;4	
Receptor-type tyrosine-protein phosphatase S	3;4	
Metabotropic glutamate receptor 7		3

Endophilin-B1		3
Sphingomyelin phosphodiesterase 2	2;3	
14-3-3 protein theta		2
Ethanolamine kinase 1	3;4	
Dedicator of cytokinesis protein 4		3
BAG family molecular chaperone regulator 5		3
Heterogeneous nuclear ribonucleoprotein F;Heterogeneous nuclear ribonucleoprotein F,		3
IQ domain-containing protein H		2
Reticulon-3	2;3	
Heterogeneous nuclear ribonucleoprotein L	5;6	
Vesicle-associated membrane protein 7	2;3	
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed		4
Ephexin-1	2;3	
Fatty acid-binding protein, epidermal	2;3	
Rho GTPase-activating protein 44		3
T-complex protein 1 subunit zeta		3
40S ribosomal protein S5;40S ribosomal protein S5, N-terminally processed		2
Peptidyl-prolyl cis-trans isomerase A;Peptidyl-prolyl cis-trans isomerase A, N-terminally p		4
Regulator of G-protein signaling 17		3
Hippocalcin-like protein 4;Visinin-like protein 1	2;3	
Adenylate cyclase type 9		3
	2;3	
Plexin-D1		3
Eukaryotic translation initiation factor 3 subunit M		3
		3
Nucleoside diphosphate kinase A;Nucleoside diphosphate kinase;Nucleoside diphosphat	2;3	
AP-2 complex subunit mu	2;3;4	
Sodium channel protein;Sodium channel protein type 5 subunit alpha;Sodium channel pr		2
Adenylosuccinate synthetase isozyme 2	2;3	
		3
Protein unc-13 homolog B;Protein unc-13 homolog A		3
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	2;3	
Chromobox protein homolog 6		2
		3
C-Maf-inducing protein	2;3	
S-phase kinase-associated protein 1	2;3	
Gamma-aminobutyric acid receptor subunit alpha-1;Gamma-aminobutyric acid receptor		3
		2
Muscarinic acetylcholine receptor M1		2
Carbohydrate sulfotransferase 1	3;4	
Coatomer subunit delta		3
Spectrin beta chain, non-erythrocytic 1;Spectrin beta chain, erythrocytic		3
Glucose-6-phosphate isomerase		3
Glucose-6-phosphate isomerase	3;4	
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2		3
Profilin-1;Profilin	2;3	
E3 ubiquitin-protein ligase NEDD4-like		3
Kinesin heavy chain isoform 5C;Kinesin heavy chain isoform 5A;Kinesin-1 heavy chain;Kin		3
Notchless protein homolog 1		3
Gelsolin		3

Oxysterol-binding protein;Oxysterol-binding protein-related protein 1	4
FAS-associated factor 1	3;4
Ras-related protein Rab-14	2;3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA 3;4	
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA 3;4	
E3 ubiquitin-protein ligase NEDD4	3
Cold shock domain-containing protein E1	3
Next to BRCA1 gene 1 protein	4
Oxysterol-binding protein;Oxysterol-binding protein-related protein 1	3
V-type proton ATPase catalytic subunit A	4
Far upstream element-binding protein 1	3
Pyruvate kinase PKM	2;3
Atypical chemokine receptor 3	3
Potassium voltage-gated channel subfamily A member 3	3
Phosphoglycerate kinase 1	3
Bifunctional glutamate/proline--tRNA ligase;Glutamate--tRNA ligase;Proline--tRNA ligase	3
Thimet oligopeptidase	3
	3
Syntaxin-binding protein 5-like	4
E3 ubiquitin-protein ligase UBR4	3
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IIA;Probak 2;3	
Microtubule-associated protein 2	3
Calcium-transporting ATPase;Calcium-transporting ATPase type 2C member 1	3
DENN domain-containing protein 5A	3
DENN domain-containing protein 5B	3
Dynactin subunit 2	3
Ras-related protein Rab-6B	2;3
Oxysterol-binding protein	4
Zinc transporter 1	3
Proteasome subunit alpha type-1	3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	3
Reticulon-1;Reticulon	2;3;4
Abl interactor 1	3
Peroxiredoxin-5, mitochondrial	3
Neuronal-specific septin-3	3;4;5
Septin-5	3;4;5
Septin-7	3;4
Bifunctional glutamate/proline--tRNA ligase;Glutamate--tRNA ligase;Proline--tRNA ligase 3;4	
Protein phosphatase 1L	4
60S ribosomal protein L6	2;3
D-dopachrome decarboxylase	3
Thiamine transporter 2	3
Receptor-type tyrosine-protein phosphatase F	2;3;4
Receptor-type tyrosine-protein phosphatase F	4
Kinesin heavy chain isoform 5C;Kinesin heavy chain isoform 5A	4
Sterol regulatory element-binding protein cleavage-activating protein	4
Alpha-enolase	2;3
Biogenesis of lysosome-related organelles complex 1 subunit 1	2;3
Serine--tRNA ligase, cytoplasmic	3
Opalin	3

Tropomyosin alpha-3 chain	2;3	
Tropomyosin alpha-3 chain		3
Kinesin heavy chain isoform 5A		2
Leucine-rich repeat-containing protein 57		3
Protein phosphatase 1H		3
Ras-related protein Rab-1A;Ras-related protein Rab-1B		3
Ubiquitin carboxyl-terminal hydrolase 25		3
Serine/threonine-protein kinase DCLK1		2
Tubulin alpha-1B chain;Tubulin alpha-1A chain;Tubulin alpha-3 chain	3;4	
Tubulin alpha-4A chain	3;4	
Vacuolar protein sorting-associated protein 11 homolog	2;3	
Dynamin-1;Dynamin-3;Dynamin-2	2;3	
Talin-2		3
Ras-related protein Rab-11B;Ras-related protein Rab-11A		3
Protein kinase C beta type	2;3	
Myotubularin-related protein 1		3
CB1 cannabinoid receptor-interacting protein 1		2
Guanine nucleotide-binding protein subunit beta-2-like 1;Guanine nucleotide-binding pr		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1		3
COP9 signalosome complex subunit 7a	3;4	
Cell division cycle and apoptosis regulator protein 1		3
Target of Myb protein 1	3;4	
60S ribosomal protein L9	2;3	
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-13		2
Fructose-bisphosphate aldolase C	2;3	
Tubulin alpha-1A chain;Tubulin alpha-3 chain;Tubulin alpha-8 chain		3
Puromycin-sensitive aminopeptidase		3
Dihydropyrimidinase-related protein 2	3;4	
Dihydropyrimidinase-related protein 2	2;3;4	
Sodium/calcium exchanger 1	2;3	
DmX-like protein 2		2
Actin-related protein 2/3 complex subunit 2	2;3	
G-protein coupled receptor-associated sorting protein 1		3
Nucleosome assembly protein 1-like 4		3
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 2;3		
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 3;4		
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 3;4		
Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha		3
Kinesin-like protein;Kinesin-like protein KIF1A		3
DnaJ homolog subfamily A member 1	3;4	
Activin receptor type-1B	2;3	
Serine/threonine-protein kinase DCLK1		2
Dynamin-1;Dynamin-3		3
Dynamin-1;Dynamin-3		3
ERC protein 2;ELKS/Rab6-interacting/CAST family member 1		2
Receptor-type tyrosine-protein phosphatase S	3;4	
Receptor-type tyrosine-protein phosphatase S	4;5	
Sorting and assembly machinery component 50 homolog		3
Sorting and assembly machinery component 50 homolog		4

60 kDa SS-A/Ro ribonucleoprotein	3;4	
Ankyrin-1		3
Serine/arginine-rich splicing factor 1		3
		4
Spartin		3
Tyrosine-protein kinase Fyn		3
Syntaxin-1A		3
Syntaxin-1A		3
Ubiquitin-like protein 3		3
Proteasome-associated protein ECM29 homolog		3
Alpha-synuclein;Beta-synuclein	2;3	
Alpha-synuclein	2;3;4	
Glutamate receptor ionotropic, NMDA 2B	3;4;5	
Beta-synuclein	3;4	
ATPase inhibitor, mitochondrial		3
Alpha-synuclein		3
Heat shock protein HSP 90-alpha		3
Microtubule-associated proteins 1A/1B light chain 3B		3
Microtubule-associated proteins 1A/1B light chain 3A	3;4	
Ephexin-1		3
DNA damage-binding protein 1		2
1-acyl-sn-glycerol-3-phosphate acyltransferase gamma		3
TRPM8 channel-associated factor 1		3
Potassium voltage-gated channel subfamily KQT member 2		3
	2;3	
	2;3	
Probable cationic amino acid transporter		3
Syntaxin-1B	2;3	
Syntaxin-1B		3
Alanine--tRNA ligase, cytoplasmic		3
Kinesin light chain 1	2;3	
SID1 transmembrane family member 2	2;3	
Ankyrin repeat domain-containing protein 13A		3
Profilin-2;Profilin	2;3	
NEDD4 family-interacting protein 1	2;3	
NEDD4 family-interacting protein 1	3;4	
NEDD4 family-interacting protein 1	3;4;5	
G-protein coupled receptor-associated sorting protein 1		3
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1		3
Sterile alpha and TIR motif-containing protein 1	2;3	
Spectrin beta chain, non-erythrocytic 1		3
		3
Nischarin		3
Claudin-10	2;3	
Stathmin;Stathmin-4		2
Stathmin;Stathmin-4		2
Ubiquitin carboxyl-terminal hydrolase isozyme L5	2;3;4	
Paraspeckle component 1		3
Non-POU domain-containing octamer-binding protein		3
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 5, mitochondrial		3

Bone morphogenetic protein receptor type-1A	2;3	
Ankyrin repeat and sterile alpha motif domain-containing protein 1B		3
Potassium voltage-gated channel subfamily A member 4		3
Potassium voltage-gated channel subfamily A member 2		3
Potassium voltage-gated channel subfamily A member 2	3;4	
DmX-like protein 2	2;3	
Importin subunit beta-1		3
116 kDa U5 small nuclear ribonucleoprotein component	2;3	
Calcium-transporting ATPase	3;4	
Voltage-dependent P/Q-type calcium channel subunit alpha-1A	3;4	
		3
Astrotactin-1	2;3	
Endothelial cell-selective adhesion molecule	2;3;4	
Microfibrillar-associated protein 3-like;Microfibril-associated glycoprotein 3	2;3	
Guanine nucleotide-binding protein G(q) subunit alpha	2;3	
Guanine nucleotide-binding protein G(q) subunit alpha		3
Guanine nucleotide-binding protein subunit alpha-11	2;3	
ADP-ribosylation factor-binding protein GGA3	3;4	
Very-long-chain enoyl-CoA reductase		3
		2
Nucleolin	2;3	
Mast/stem cell growth factor receptor Kit		3
Microtubule-associated protein 2		3
Probable G-protein coupled receptor 158	2;3	
Hydroxyacylglutathione hydrolase-like protein		4
Maturin	2;3	
Dystonin		3
		3
Cyclic AMP-responsive element-binding protein 1	2;3	
Gephyrin;Molybdopterin adenyltransferase;Molybdopterin molybdenumtransferase		3
Tetraspanin-14	2;3;4	
COP9 signalosome complex subunit 7b		3
NEDD8-activating enzyme E1 catalytic subunit		3
Platelet-activating factor acetylhydrolase IB subunit alpha		4
Tubulin beta-3 chain	3;4	
Tubulin beta-4B chain;Tubulin beta-5 chain;Tubulin beta-2A chain;Tubulin beta-2B chain;3;4;5		
Tubulin beta-4B chain;Tubulin beta-5 chain;Tubulin beta-2A chain;Tubulin beta-2B chain;3;4		
Tubulin beta-6 chain		4
Guanine deaminase	3;4	
Transitional endoplasmic reticulum ATPase		3
Nucleolin		3
Phospholipid-transporting ATPase IB		2
Vimentin		3
	2;3	
WD repeat-containing protein 11		3
Ral GTPase-activating protein subunit alpha-1		4
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 24	2;3	
Calcium permeable stress-gated cation channel 1		4
60 kDa heat shock protein, mitochondrial		3
Casein kinase I isoform alpha		3

Synaptotagmin-1		3
Apoptosis inhibitor 5		3
CUGBP Elav-like family member 2	3;4	
CUGBP Elav-like family member 2	4;5	
Transient receptor potential cation channel subfamily V member 2		3
Endothelial cell-selective adhesion molecule		2
Clathrin heavy chain 1;Clathrin heavy chain	2;3	
UV excision repair protein RAD23 homolog B	2;3	
UV excision repair protein RAD23 homolog A		3
	2;3	
	3;4	
Protein FAM49B	2;3	
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 2;3;4;5		
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 2;3;4;5		
Phosphatidylserine synthase 1		3
Activin receptor type-1B		2
Signal transducer and activator of transcription;Signal transducer and activator of transcr		3
NEDD8	2;3	
NEDD8	2;3;4	
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 2;3;4		
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 3;4		
Polyubiquitin-B;Ubiquitin;Polyubiquitin-C;Ubiquitin;Ubiquitin-related 1;Ubiquitin-related 3;4		
BAG family molecular chaperone regulator 5		3
Rho-associated protein kinase 2;Rho-associated protein kinase		3
Phospholipid-transporting ATPase 1A	3;4	
Phospholipid-transporting ATPase 1A	3;4	
Transmembrane protein 135		3
Heat shock protein HSP 90-alpha		3
Sodium- and chloride-dependent GABA transporter 1		2
Immunity-related GTPase family M protein 1		3
Voltage-dependent N-type calcium channel subunit alpha-1B		3
Voltage-dependent N-type calcium channel subunit alpha-1B		3
CUGBP Elav-like family member 1	3;4	
Methylthioribulose-1-phosphate dehydratase		3
Methylthioribulose-1-phosphate dehydratase		3
Amine oxidase [flavin-containing] B		3
14-3-3 protein beta/alpha;14-3-3 protein beta/alpha, N-terminally processed		2
14-3-3 protein beta/alpha;14-3-3 protein beta/alpha, N-terminally processed	2;3	
14-3-3 protein beta/alpha;14-3-3 protein beta/alpha, N-terminally processed	2;3	
Tropomyosin beta chain	2;3	
Protein dopey-2		3
Synaptotagmin-1	3;4	
Synaptotagmin-1		3
S-phase kinase-associated protein 1		3
S-phase kinase-associated protein 1	3;4	
Cytoplasmic FMR1-interacting protein 2;Cytoplasmic FMR1-interacting protein 1	2;3	
Hypoxanthine-guanine phosphoribosyltransferase	2;3	
Hypoxanthine-guanine phosphoribosyltransferase	2;3	
Striatin-interacting protein 1;Striatin-interacting proteins 2		2
ELAV-like protein 3	2;3	

ELAV-like protein 1		3
ELAV-like protein;ELAV-like protein 4;ELAV-like protein 2	2;3	
		2
Superoxide dismutase [Cu-Zn]		4
BRISC and BRCA1-A complex member 1		3
Serum albumin		3
Phospholipid-transporting ATPase;Phospholipid-transporting ATPase 11C		3
Alpha-internexin		3
Annexin A6;Annexin	3;4	
Annexin A6;Annexin	2;3;4	
Cytosolic acyl coenzyme A thioester hydrolase		4
V-type proton ATPase subunit a;V-type proton ATPase 116 kDa subunit a isoform 1	3;4	
Kinesin heavy chain isoform 5A;Kinesin-1 heavy chain;Kinesin-like protein		3
Protein EFR3 homolog B	2;3	
DCC-interacting protein 13-alpha	3;4	
Diacylglycerol kinase beta		3
Protein RUFY3		3
60S ribosomal protein L18	2;3	
cAMP-dependent protein kinase type I-alpha regulatory subunit;cAMP-dependent protei	2;3	
Lethal(2) giant larvae protein homolog 1		4
Putative oxidoreductase GLYR1		3
Synapsin-2	3;4	
Phospholipase D3		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	2;3	
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	2;3	
Ras GTPase-activating-like protein IQGAP2	2;3	
Anoctamin-6		3
E3 ubiquitin-protein ligase MARCH1		3
Microtubule-associated protein 1B;MAP1B heavy chain;MAP1 light chain LC1	2;3	
Dematin		3
CAP-Gly domain-containing linker protein 3	2;3	
Ubiquilin-1	3;4	
Ubiquilin-1		4
Ubiquilin-2	3;4	
Protein shisa-7	2;3	
Protein shisa-7	3;4	
Synaptic vesicle glycoprotein 2C		3
Synaptic vesicle glycoprotein 2B	2;3	
Synaptic vesicle glycoprotein 2B		3
Semaphorin-4D		3
E3 ubiquitin-protein ligase HERC2	2;3	
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2;Sarcoplasmic/endoplasmic reticu		3
Synaptic vesicle membrane protein VAT-1 homolog-like		3
Heat shock protein 105 kDa		3
Secretory carrier-associated membrane protein 1		4
Synaptotagmin-11		3
Synaptotagmin-11		3
Protein KRI1 homolog		3
Chondroitin sulfate proteoglycan 5	4;5;6	
Nischarin		3

Nischarin	3;4	
Cysteine-rich motor neuron 1 protein	2;3	
Kelch-like protein 11		4
Anion exchange protein	2;3	
26S proteasome non-ATPase regulatory subunit 2		3
Dihydropyrimidinase-related protein 5	2;3;4	
Vacuolar protein sorting-associated protein 13B		3
Huntingtin-interacting protein 1-related protein	2;3	
Homer protein homolog 1		3
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed		3
Myelin basic protein	3;4	
Calcium-transporting ATPase		3
	3;4	
Cullin-5	2;3	
Cullin-5	2;3	
Cullin-5	2;3	
Stathmin-3		3
Glucose-fructose oxidoreductase domain-containing protein 1		3
Neurofilament light polypeptide	2;3	
Protein lifeguard 2		2
Protein lifeguard 2		2
Protein lifeguard 2	3;4	
Actin-related protein 2/3 complex subunit 1A		4
Myosin-10;Myosin-9		3
		3
		3
40S ribosomal protein S3		3
Calcium-binding protein 39	2;3	
Protein piccolo		3
Growth arrest-specific protein 7		3
Excitatory amino acid transporter 2;Amino acid transporter	2;3	
Melanoma inhibitory activity protein 3		3
Huntingtin-interacting protein 1	2;3	
Disheveled-associated activator of morphogenesis 1		2
14-3-3 protein gamma;14-3-3 protein gamma, N-terminally processed		3
3'(2'),5'-bisphosphate nucleotidase 1	2;3	
Disks large-associated protein 4		3
Catenin alpha-2		2
OTU domain-containing protein 5		2
OTU domain-containing protein 5		3
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed		3
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IIA		3
N-terminal Xaa-Pro-Lys N-methyltransferase 1;N-terminal Xaa-Pro-Lys N-methyltransferase		2
Nck-associated protein 1	2;3	
Nck-associated protein 1		3
Transmembrane protein 179		2
Glycine--tRNA ligase	2;3	
Mortality factor 4-like protein 1		3
Histone H1.4		3
Beta-synuclein	2;3	

ATP synthase subunit alpha, mitochondrial;ATP synthase subunit alpha	2
Eukaryotic translation initiation factor 3 subunit B	3
Synapsin-2	3
Dynamin-1-like protein	3
Rab GTPase-activating protein 1	3
Alpha-internexin	3
Casein kinase I isoform alpha	3
Ras-related protein Rab-5A	3
Serine incorporator 1	3
Dihydropyrimidinase-related protein 2	2;3
Calcium-transporting ATPase	2;3
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	3
Calcium-transporting ATPase	2;3
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2	2;3
Nuclear pore complex protein Nup93	3
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1	3
Dynactin subunit 1	3;4
RAS guanyl-releasing protein 2	2
Calcium/calmodulin-dependent protein kinase type II subunit gamma	3
ATP-sensitive inward rectifier potassium channel 10	2;3
ATP-sensitive inward rectifier potassium channel 10	3
Spindlin-1	3
Cholesterol 24-hydroxylase	3
Excitatory amino acid transporter 2;Amino acid transporter	3;4;5
AP-2 complex subunit alpha-1	4
Synapsin-1	3
Adenylate cyclase type 9	2;3
Muscarinic acetylcholine receptor M3	3
Zinc finger matrin-type protein 4	3
Microtubule-associated protein 2;Microtubule-associated protein	3
Receptor protein-tyrosine kinase;Tyrosine-protein kinase receptor UFO	4
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1	3
High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8B	3
Histidine--tRNA ligase, cytoplasmic	2;3
Band 4.1-like protein 2	2
Secretory carrier-associated membrane protein 1	2;3
Secretory carrier-associated membrane protein 1	3
40S ribosomal protein S24	2;3
Guanine nucleotide-binding protein G(i) subunit alpha-1;Guanine nucleotide-binding pro	2;3;4;5
Guanine nucleotide-binding protein G(o) subunit alpha	3
Myelin basic protein	3;4
Vesicle-fusing ATPase	3
Myelin proteolipid protein	2;3
Myelin proteolipid protein	3;4
Transcription elongation factor B polypeptide 2	3
	4
RNA-binding protein Raly	3
Sodium/hydrogen exchanger	2;3
AP-2 complex subunit mu	3
DnaJ homolog subfamily A member 2	2

ATPase WRNIP1		3
Probable palmitoyltransferase ZDHHC8;Palmitoyltransferase ZDHHC5	2;3	
Protein kinase C and casein kinase substrate in neurons protein 1		3
Intraflagellar transport protein 25 homolog		3
Epsin-2		3
Receptor protein-tyrosine kinase;Fibroblast growth factor receptor;Fibroblast growth fac		3
Syntaxin-1B	2;3;4	
Syntaxin-1B	2;3;4	
Neutral amino acid transporter A;Amino acid transporter		4
E3 ubiquitin-protein ligase NEDD4		3
Fatty acid-binding protein, epidermal		3
Hexokinase-1;Hexokinase		3
Solute carrier organic anion transporter family member 2B1		2
m7GpppX diphosphatase	3;4	
Electroneutral sodium bicarbonate exchanger 1		3
Heterogeneous nuclear ribonucleoprotein U-like protein 1	2;3	
Heterogeneous nuclear ribonucleoprotein U		2
Gamma-aminobutyric acid type B receptor subunit 2	3;4	
Nuclear envelope pore membrane protein POM 121		3
Hexokinase-1;Hexokinase		2
Calbindin		2
Glyceraldehyde-3-phosphate dehydrogenase	2;3	
Stress-induced-phosphoprotein 1		2
GTPase NRas		2
GTPase KRas;GTPase KRas, N-terminally processed	2;3	
Ubiquitin conjugation factor E4 B		2
Xaa-Pro dipeptidase	2;3;4	
Xaa-Pro dipeptidase		3
Alpha-synuclein	2;3	
Palmitoyltransferase ZDHHC5	2;3	
Ras-related protein Rab-35;Ras-related protein Rab-30		3
Cytoplasmic dynein 1 heavy chain 1		2
	2;3	
E3 ubiquitin-protein ligase HERC2		3
Vacuolar protein sorting-associated protein 33A	3;4	
Protein O-GlcNAcase		3
Protein FAM131B	2;3	
26S proteasome non-ATPase regulatory subunit 1		3
		2
V-type proton ATPase catalytic subunit A		3
Phosphatidylinositol transfer protein alpha isoform	2;3	
Phosphatidylinositol transfer protein alpha isoform		3
		3
Disks large homolog 2		3
Core histone macro-H2A.1	2;3	
Core histone macro-H2A.1		3
Sodium channel protein	2;3	
Band 4.1-like protein 2		3
Caprin-1		3
Early endosome antigen 1		3

Phospholipase D2	2;3	
S-adenosylmethionine decarboxylase proenzyme 1;S-adenosylmethionine decarboxylase 2;3		
Neural cell adhesion molecule 1		3
Neural cell adhesion molecule 1		3
Polyadenylate-binding protein 1		3
E3 ubiquitin-protein ligase UBR4	3;4	
		3
Secretory carrier-associated membrane protein 1	3;4	
Septin-7		3
Unconventional myosin-Va;Unconventional myosin-Vb		3
Sodium-dependent phosphate transporter 1	2;3	
Nucleophosmin	3;4	
GTP-binding protein Di-Ras2	2;3	
Phosphatidylinositol 5-phosphate 4-kinase type-2 beta	3;4	
Histone H4		3
Protein SCAI	2;3	
Tropomyosin alpha-1 chain	2;3	
Dihydropyrimidinase-related protein 2	2;3	
TBC1 domain family member 24	2;3	
Rho GTPase-activating protein 26	2;3	
Sodium- and chloride-dependent GABA transporter 3	2;3	
Ryanodine receptor 2	2;3	
N(G),N(G)-dimethylarginine dimethylaminohydrolase 2	2;3	
ATP-binding cassette sub-family A member 3	3;4	
ATP-binding cassette sub-family A member 3	3;4	
Nischarin		2
60S ribosomal protein L27		3
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IIB		3
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IIA		3
Kunitz-type protease inhibitor 2	2;3	
		4
COP9 signalosome complex subunit 5		4
Protein transport protein Sec61 subunit alpha isoform 2;Protein transport protein Sec61		2
Malate dehydrogenase, cytoplasmic	2;3	
cAMP-dependent protein kinase catalytic subunit alpha;cAMP-dependent protein kinase		3
Ras-related protein Rab-5B		3
Enhancer of rudimentary homolog		3
Synapsin-1	2;3	
Synapsin-3		3
Hemoglobin subunit alpha	2;3;4;5;6	
Myc box-dependent-interacting protein 1		3
Inositol-trisphosphate 3-kinase A		3
Spectrin alpha chain, non-erythrocytic 1		3
Unconventional myosin-Va;Unconventional myosin-Vb		3
Prelamin-A/C;Lamin-A/C		3
Ras-related protein Rab-3C		3
Ras-related protein Rab-3A		3
Ras-related protein Rab-3A		3
40S ribosomal protein S2		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 34		3

Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 34	2
Acyl-CoA-binding protein	3
Importin subunit beta-1	2;3
RING finger protein 141	3;4
Unconventional myosin-IId	2;3
Clathrin heavy chain 1;Clathrin heavy chain	2;3
Peptidyl-tRNA hydrolase 2, mitochondrial	3;4
Proteasome subunit beta type-2	3
Pyridoxal kinase	3
	3;4;5;6
GMP synthase [glutamine-hydrolyzing]	3
Sodium- and chloride-dependent GABA transporter 1	2;3
Sodium- and chloride-dependent GABA transporter 1	2;3;4
Sodium- and chloride-dependent GABA transporter 1	3;4
Sodium- and chloride-dependent GABA transporter 1	3;4;5
Gamma-aminobutyric acid receptor subunit beta-3;Gamma-aminobutyric acid receptor s	3
Eukaryotic translation initiation factor 3 subunit D	2;3
4F2 cell-surface antigen heavy chain	3
26S protease regulatory subunit 4	3;4
Glyoxalase domain-containing protein 4	3
Sodium/potassium-transporting ATPase subunit alpha-2	4
Sodium/potassium-transporting ATPase subunit alpha-3	3
Sorting nexin-5	3
RING finger protein 141	2;3
DDB1- and CUL4-associated factor 8	3
Alpha/beta hydrolase domain-containing protein 17A;Alpha/beta hydrolase domain-cont	2
Protein shisa-7	2
Small ubiquitin-related modifier 2;Small ubiquitin-related modifier;Small ubiquitin-relate	2;3
Calcium permeable stress-gated cation channel 1	3;4
KIF1-binding protein	2
Plexin-C1	3
mRNA export factor	4
Transitional endoplasmic reticulum ATPase	2
Ribose-phosphate pyrophosphokinase 1	4
Kinesin-like protein;Kinesin-like protein KIF1A	3
Kinesin-like protein;Kinesin-like protein KIF1A	3
Kinesin-like protein KIF1B	2;3
Glutamate receptor 2	2;3
Glutamate receptor 2	4
Active breakpoint cluster region-related protein	3
Receptor protein-tyrosine kinase;Tyrosine-protein kinase receptor UFO	3
Receptor protein-tyrosine kinase;Tyrosine-protein kinase receptor UFO	3
Ankyrin-2	3
Mediator of RNA polymerase II transcription subunit 14	3
Serine/threonine-protein phosphatase 6 regulatory subunit 1	3
Prolyl endopeptidase-like	3
Actin, cytoplasmic 1;Actin, cytoplasmic 1, N-terminally processed;Actin, cytoplasmic 2;Ac	2;3;4
Mannose-1-phosphate guanyltransferase alpha	3
Inosine-5'-monophosphate dehydrogenase 2	2;3
Microtubule-actin cross-linking factor 1	3

Clathrin light chain B	2;3	
25-hydroxycholesterol 7-alpha-hydroxylase		3
Heterogeneous nuclear ribonucleoprotein A/B		3
Gap junction alpha-1 protein	2;3;4	
Gap junction alpha-1 protein	3;4	
SWI/SNF complex subunit SMARCC1		3
SWI/SNF complex subunit SMARCC2		3
Ras-related protein Rab-6B		3
Ras-related protein Rab-6B	2;3	
Ras-related protein Rab-6B	3;4	
Sorting nexin-32		3
tRNA-splicing ligase RtcB homolog		3
Protein phosphatase 1 regulatory subunit 29	2;3	
Atlastin-1		3
60S ribosomal protein L7	2;3	
Ubiquitin-conjugating enzyme E2 Z		3
Elongation factor 2	2;3	
Mitotic checkpoint protein BUB3	2;3	
Insulin receptor;Insulin receptor subunit alpha;Insulin receptor subunit beta	2;3	
WD repeat-containing protein 82	3;4	
Tyrosine-protein phosphatase non-receptor type 23	2;3	
WD repeat-containing protein 47		3
E3 ubiquitin-protein ligase HUWE1		3
		3
Hepatocyte growth factor-regulated tyrosine kinase substrate	2;3	
Serum albumin		3
RING finger protein 24	3;4	
Type 2 phosphatidylinositol 4,5-bisphosphate 4-phosphatase	3;4;5	
Type 1 phosphatidylinositol 4,5-bisphosphate 4-phosphatase	3;4;5	
E2/E3 hybrid ubiquitin-protein ligase UBE2O		3
NACHT and WD repeat domain-containing protein 2		2
Ubiquitin carboxyl-terminal hydrolase isozyme L1	3;4;5	
		3
Dynactin subunit 1		3
Dual specificity protein phosphatase 12		3
Histone acetyltransferase type B catalytic subunit		3
Ubiquitin-40S ribosomal protein S27a;Ubiquitin;40S ribosomal protein S27a	2;3	
Ribosomal protein;60S ribosomal protein L10a		2
ERI1 exoribonuclease 3		3
Phosphoglycerate kinase 1;Phosphoglycerate kinase;Phosphoglycerate kinase 2		3
Phosphoglycerate kinase 1;Phosphoglycerate kinase;Phosphoglycerate kinase 2	2;3	
Prolyl endopeptidase	2;3	
Cullin-1		2
Rap guanine nucleotide exchange factor 2		3
F-actin-capping protein subunit alpha-2		4
60S ribosomal protein L6	2;3	
Fructose-bisphosphate aldolase C		3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase		3
AP complex subunit beta;AP-2 complex subunit beta;AP-1 complex subunit beta-1	2;3	
AP complex subunit beta;AP-2 complex subunit beta;AP-1 complex subunit beta-1	3;4	

Clathrin heavy chain 1;Clathrin heavy chain	3
Spectrin beta chain, non-erythrocytic 1	2
Protein RUFY3	3
Tubulin polymerization-promoting protein	3;4
Elongation factor Tu GTP-binding domain-containing protein 1	4
Phosphatidylinositol 5-phosphate 4-kinase type-2 beta	4
T-complex protein 1 subunit beta	3
Synapsin-1	3
Hemoglobin subunit alpha	5;6
Solute carrier family 12 member 5	3;4
LanC-like protein 2	3
LanC-like protein 2	2;3
T-complex protein 1 subunit theta	4
14-3-3 protein gamma;14-3-3 protein gamma, N-terminally processed	2;3
Heterogeneous nuclear ribonucleoproteins C1/C2	3
Cystatin-B	3
Serine/threonine-protein phosphatase;Serine/threonine-protein phosphatase 2B catalytic	2
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	5
RNA-binding motif protein, X chromosome;RNA-binding motif protein, X chromosome, N	3
Neutral amino acid transporter A;Amino acid transporter	4
Nucleophosmin	2
Guanine nucleotide-binding protein subunit beta-5	2;3
Syntaphilin;Syntabulin	2;3
Ubiquitin-conjugating enzyme E2 variant 2	2
Sodium/potassium-transporting ATPase subunit beta-1	3
RNA-binding protein Musashi homolog 2	2;3
Neurofilament medium polypeptide	3
Neurofilament medium polypeptide	3
Tetraspanin-15	3
WD repeat-containing protein 48	3
Oxysterol-binding protein 1	3;4
Glycogen phosphorylase, brain form	2;3
Chromobox protein homolog 3	3
Transforming growth factor-beta receptor-associated protein 1	3
Tumor protein D52	2;3
Endophilin-B2	2
Adenylate cyclase type 2	4
Fatty acyl-CoA reductase 1	2;3
Protein phosphatase 1B	4
Ubiquitin conjugation factor E4 B	3
NEDD8	3
Neuralized-like protein 4	3
Formin-like protein 2	3
Formin-like protein 2	3;4
Rab3 GTPase-activating protein catalytic subunit	3
Hepatocyte growth factor-regulated tyrosine kinase substrate	3;4
Isocitrate dehydrogenase [NADP] cytoplasmic	3
Kin of IRRE-like protein 3;Processed kin of IRRE-like protein 3	3

Cytoplasmic FMR1-interacting protein 1;Cytoplasmic FMR1-interacting protein 2	3
26S protease regulatory subunit 4	3
Ataxin-7	3
Heat shock 70 kDa protein 4	3
60S ribosomal protein L24	3;4
Lamin-B2	3
Microtubule-associated protein 2	3
EPM2A-interacting protein 1	3
Inosine-5'-monophosphate dehydrogenase;Inosine-5'-monophosphate dehydrogenase 1 2;3	
Putative Polycomb group protein ASXL2	3
E3 ubiquitin-protein ligase TRIM37	3
Protein-tyrosine-phosphatase;Receptor-type tyrosine-protein phosphatase eta	3
Adenylyl cyclase-associated protein 1	3
Leucine-rich repeat-containing protein 7	3
Hydroxyacylglutathione hydrolase-like protein	3;4
Proteasome subunit alpha type-2	2;3
Proteasome subunit alpha type-2	2;3;4
Heat shock 70 kDa protein 4L	3
Syntaxin-binding protein 1	3;4
tRNA-splicing ligase RtcB homolog	3
Prolactin-2A1	3
40S ribosomal protein S7	3
Elongation factor 1-alpha 1	3
E3 ubiquitin-protein ligase MIB1	3
Vesicle-fusing ATPase	2;3
Vesicle-fusing ATPase	2;3
SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E r	3
	3
DnaJ homolog subfamily B member 6	2;3
Cirhin	3
Protein SET	2
Leucine--tRNA ligase, cytoplasmic	3
Eukaryotic translation initiation factor 3 subunit C	3
	2;3
Ubiquitin-protein ligase E3B	3
AP-2 complex subunit mu	2;3;4
5-hydroxytryptamine receptor 5A	2
ATP-binding cassette sub-family A member 3	2
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 3	4
CUGBP Elav-like family member 1;CUGBP Elav-like family member 2	2;3
Myelin expression factor 2	3
Potassium voltage-gated channel subfamily H member 1	3
Phosphatidylinositol 5-phosphate 4-kinase type-2 gamma	2
PH and SEC7 domain-containing protein 1	3
Synaptotagmin-1;Synaptotagmin-2	2
Malic enzyme;NADP-dependent malic enzyme	3;4
Cofilin-1;Cofilin-2	2
V-type proton ATPase subunit B, brain isoform	2;3
ATP-binding cassette sub-family A member 3	3
ATP-binding cassette sub-family A member 3	3

Phosphoribosyl pyrophosphate synthase-associated protein 1	3
E3 ubiquitin-protein ligase RNF123	3
F-box/LRR-repeat protein 2	2
Synaptic vesicle glycoprotein 2A	3;4;5
Protein transport protein Sec23A	3
Synaptic vesicle glycoprotein 2C	2
Synaptic vesicle glycoprotein 2B	2;3
Tyrosine--tRNA ligase;Tyrosine--tRNA ligase, cytoplasmic;Tyrosine--tRNA ligase, cytoplasmic	3;4
	3
14-3-3 protein sigma;14-3-3 protein zeta/delta;14-3-3 protein theta;14-3-3 protein beta/	2
Prostamide/prostaglandin F synthase	3
Uroporphyrinogen decarboxylase	2;4
Peroxiredoxin-5, mitochondrial	3
60S ribosomal protein L12	2
Peripheral plasma membrane protein CASK	3;4
SEC14-like protein 2	3
Alpha-internexin	3
Myelin expression factor 2	2;3
Heterogeneous nuclear ribonucleoprotein M	3
Protein SAAL1	3
Tubulin alpha-4A chain;Tubulin alpha-1B chain;Tubulin alpha-1A chain;Tubulin alpha-3 chain	2;3;4
Uroporphyrinogen decarboxylase	3
Histone-lysine N-methyltransferase SMYD3	3;4
ATP-binding cassette sub-family A member 3	3;4
Protein argonaute-2	2
ATP synthase subunit alpha, mitochondrial;ATP synthase subunit alpha	2;3
Ankyrin-3	3
N-acetylneuraminyl transferase	3
Interleukin enhancer-binding factor 3	3
Actin-related protein 2	2;3
Aspartate aminotransferase, cytoplasmic	3
Syntrophin	2;3
26S proteasome non-ATPase regulatory subunit 2	3
Adenylate cyclase type 9	2;3;4
Protein phosphatase 1 regulatory subunit 12A	3
V-type proton ATPase catalytic subunit A	3;4
Long-chain-fatty-acid--CoA ligase ACSBG1	2;3
Microtubule-associated protein 2;Microtubule-associated protein	3;4
Dynactin subunit 2	3
Epidermal growth factor receptor substrate 15	3;4
Adenylate cyclase type 3	4
Thioredoxin-like protein 1	3
Zinc finger RNA-binding protein	3
Neurofilament light polypeptide	4
Paternally-expressed gene 3 protein	3;4;5
Plakophilin-4	4
Adenylate cyclase type 9	2;3
Adenylate cyclase type 9	4
Adenylate cyclase type 9	3;4
Adenylate cyclase type 3	3;4

Metabotropic glutamate receptor 3	3;4;5	
SUMO-activating enzyme subunit 2		3
14 kDa phosphohistidine phosphatase		3
Hemoglobin subunit beta-1	2;3;4	
Hemoglobin subunit beta-2	3;4	
Eukaryotic translation initiation factor 5A;Eukaryotic translation initiation factor 5A-1;Eul	3;4	
Serine--tRNA ligase, cytoplasmic		4
CAP-Gly domain-containing linker protein 3		3
Disks large homolog 4		3
Triosephosphate isomerase	2;3	
Leucine--tRNA ligase, cytoplasmic		3
GMP synthase [glutamine-hydrolyzing]		3
Rab GDP dissociation inhibitor beta		4
Chromobox protein homolog 6	2;3	
		3
Zinc transporter ZIP3	2;3	
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IH		3
Rab GDP dissociation inhibitor beta		2
Histone deacetylase;Histone deacetylase 5		3
Mitogen-activated protein kinase;Mitogen-activated protein kinase 8;Mitogen-activated	2;3	
Mitogen-activated protein kinase 9		3
WW domain-binding protein 2		2
E3 ubiquitin-protein ligase MARCH1		3
E3 ubiquitin-protein ligase MIB2	2;3	
Solute carrier family 25 member 46		3
Small ubiquitin-related modifier 1	2;3;4	
Glyceraldehyde-3-phosphate dehydrogenase		5
Ataxin-10	2;3;4	
Catenin alpha-2	3;4	
Matrin-3	3;4	
40S ribosomal protein S17	2;3	
Glyceraldehyde-3-phosphate dehydrogenase	3;4	
Dipeptidyl peptidase 3	3;4	
Heat shock protein HSP 90-alpha;Heat shock protein HSP 90-beta	2;3;4	
Calcium-dependent secretion activator 1		3
Lamin-B1	2;3	
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	2;3	
		3
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	3;4	
Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting	2;3;4	
Histone deacetylase 11	2;3	
Transitional endoplasmic reticulum ATPase	2;3	
Transitional endoplasmic reticulum ATPase		3
Glyceraldehyde-3-phosphate dehydrogenase		3
Glyceraldehyde-3-phosphate dehydrogenase	2;3	
Dynamin-1-like protein		3
Clathrin heavy chain 1;Clathrin heavy chain		3
Fragile X mental retardation syndrome-related protein 1		3
E3 ubiquitin-protein ligase RNF14	2;3	
E3 ubiquitin-protein ligase RNF14		4

Ras/Rap GTPase-activating protein SynGAP	2;3	
Rho-associated protein kinase 2;Rho-associated protein kinase		3
TBC1 domain family member 9B		3
TBC1 domain family member 9		3
S-phase kinase-associated protein 1	4;5	
E3 ubiquitin-protein ligase HERC2	2;3	
	2;3;4	
Kinesin-like protein;Kinesin-like protein KIF1A		3
Kinesin-like protein;Kinesin-like protein KIF1A	2;3	
Kinesin-like protein KIF1B	2;3	
Mitochondrial import receptor subunit TOM70		3
Creatine kinase B-type		3
Creatine kinase B-type		3
Heat shock 70 kDa protein 4	3;4	
14-3-3 protein theta	2;3	
14-3-3 protein theta	2;4	
14-3-3 protein beta/alpha;14-3-3 protein beta/alpha, N-terminally processed	2;3	
14-3-3 protein eta	2;3	
14-3-3 protein eta	2;3	
14-3-3 protein eta		3
14-3-3 protein gamma;14-3-3 protein gamma, N-terminally processed	2;3	
14-3-3 protein gamma;14-3-3 protein gamma, N-terminally processed	2;3;4	
Receptor-type tyrosine-protein phosphatase zeta;Protein-tyrosine-phosphatase		4
Hemoglobin subunit beta-1	3;4;5	
Hemoglobin subunit beta-1		6
Hemoglobin subunit beta-2	2;3	
Staphylococcal nuclease domain-containing protein 1		3
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial		2
Kinesin-like protein;Kinesin-like protein KIF3A	2;3	
Protein zer-1 homolog		3
Malate dehydrogenase, cytoplasmic		3
DPH3 homolog		3
E3 ubiquitin-protein ligase MARCH8	2;3	
Catenin alpha-2		3
Spectrin beta chain, erythrocytic		3
26S protease regulatory subunit 6A	3;4	
Beta-soluble NSF attachment protein		3
Sorting nexin-2		3
Lamin-B2		3
GTPase KRas;GTPase KRas, N-terminally processed		4
Ras-related protein Rap-1A		3
Ras-related protein Ral-A		4
Ras-related protein Ral-A		4
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	2;3	
Peptidyl-prolyl cis-trans isomerase A;Peptidyl-prolyl cis-trans isomerase A, N-terminally p	2;3	
Heat shock protein 105 kDa	3;4	
Syntaxin-binding protein 1		3
Ras/Rap GTPase-activating protein SynGAP		4
Nischarin		3
Sodium- and chloride-dependent GABA transporter 3		2

Sodium- and chloride-dependent GABA transporter 3	2;3;4	
Sodium- and chloride-dependent GABA transporter 3		3
SRSF protein kinase 2;SRSF protein kinase 2 N-terminal;SRSF protein kinase 2 C-terminal		3
Integral membrane protein 2A	3;4	
Integral membrane protein 2C;CT-BRI3	2;3	
Integral membrane protein 2C;CT-BRI3	2;3;4	
Integral membrane protein 2C;CT-BRI3	3;5	
Prefoldin subunit 1		3
Dual specificity protein phosphatase 1		3
Calcium-dependent secretion activator 1;Calcium-dependent secretion activator 2		3
Neuron-specific protein family member 1	2;3	
ADP/ATP translocase 2;ADP/ATP translocase 2, N-terminally processed;ADP/ATP transloc		3
Ubiquitin-conjugating enzyme E2 Z		2
Ras-related protein Rab-35;Ras-related protein Rab-43;Ras-related protein Rab-37;Ras-r	2;3	
Alpha-soluble NSF attachment protein	2;3	
Interleukin enhancer-binding factor 2		2
Interleukin enhancer-binding factor 2		3
Centriole, cilia and spindle-associated protein		3
Translationally-controlled tumor protein		3
RING finger protein 141	2;3	
RING finger protein 141		3
		3
Oxysterol-binding protein;Oxysterol-binding protein-related protein 3		3
Multidrug resistance protein 1A;Multidrug resistance protein 1B;Multidrug resistance pr	2;3	
Protein FAM114A2		3
ERC protein 2		3
Fatty acid-binding protein, heart		3
Selenocysteine-specific elongation factor	3;4	
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IIA		3
Obg-like ATPase 1	2;3	
Calcyclin-binding protein		3
Bifunctional purine biosynthesis protein PURH;Phosphoribosylaminoimidazolecarboxami		4
		3
Guanine nucleotide-binding protein G(o) subunit alpha;Guanine nucleotide-binding prote	2;3;4	
Acyl-CoA desaturase 1		4
Synapsin-1	3;4	
Glyceraldehyde-3-phosphate dehydrogenase	2;3	
E3 ubiquitin-protein ligase NEDD4	2;3	
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5	2;3	
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-4	3;4	
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc	2;3	
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc		3
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc	2;3;4	
E3 ubiquitin-protein ligase NEDD4-like		3
Protein kinase C epsilon type		3
TRAF3-interacting protein 1		3
Guanine nucleotide-binding protein G(s) subunit alpha isoforms short;Guanine nucleotid		3
Calcium/calmodulin-dependent protein kinase type II subunit alpha	2;3	
Ubiquitin carboxyl-terminal hydrolase isozyme L1	2;3	
Nucleosome assembly protein 1-like 5		3

Uncharacterized protein KIAA0195		3
Unconventional myosin-Va		3
60S ribosomal protein L6	2;3	
Diacylglycerol kinase	2;3	
E3 ubiquitin-protein ligase HUWE1	3;4;5	
Vesicle-fusing ATPase	2;3	
Synaptobrevin homolog YKT6	2;3	
60S ribosomal protein L13a	2;3	
Ataxin-10		2
26S proteasome non-ATPase regulatory subunit 13	2;3	
Connector enhancer of kinase suppressor of ras 2	2;3	
ATP synthase subunit beta, mitochondrial		3
Glycine--tRNA ligase	2;3	
Carbonic anhydrase 2	2;3	
Receptor protein-tyrosine kinase;Ephrin type-A receptor 6		3
Kinesin-like protein;Kinesin-like protein KIF2A		3
Protein kinase C and casein kinase substrate in neurons protein 1		3
3-hydroxy-3-methylglutaryl coenzyme A reductase;3-hydroxy-3-methylglutaryl-coenzyme A reductase		3
ZW10 interactor	2;3	
Sorting nexin-4		3
Actin-related protein 2	2;3	
Nuclear pore complex protein Nup93		3
Activated CDC42 kinase 1		5
Sn1-specific diacylglycerol lipase alpha		3
Moesin		3
Radixin		3
60S ribosomal protein L11	2;3	
Calpain-5		3
Sodium/potassium-transporting ATPase subunit alpha-2		3
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA		3
BTB/POZ domain-containing protein 1		3
Serine/threonine-protein kinase mTOR	3;4	
Paralemmin-1		3
Lactoylglutathione lyase		3
Hepatoma-derived growth factor-related protein 2		3
RNA-binding protein 39		3
Rab GDP dissociation inhibitor beta	3;4	
Engulfment and cell motility protein 2		4
WD repeat-containing protein 48	2;3	
RNA-binding protein Nova-1		3
KH domain-containing, RNA-binding, signal transduction-associated protein 3		3
KH domain-containing, RNA-binding, signal transduction-associated protein 1;KH domain		3
ATPase WRNIP1	2;3	
Calpain-5		3
Sodium-dependent neutral amino acid transporter B(0)AT2		3
ELL-associated factor 2		2
		2
Synaptojanin-1		3
Syntenin-1		3
V-type proton ATPase subunit H	3;4	

AP-2 complex subunit sigma	2
Histone H2B type 1-C/E/G;Histone H2B type 1-H;Histone H2B type 1-F/J/L;Histone H2B type 1-K	2;3
Protein FAM126B	3
CAP-Gly domain-containing linker protein 3	2;3
Exportin-T	3
	2;3
Cytoplasmic dynein 1 heavy chain 1	2
Myocyte-specific enhancer factor 2D;Myocyte-specific enhancer factor 2C;Myocyte-specific enhancer factor 2B	4
E3 ubiquitin-protein ligase ARIH1	3;4
Synapsin-1	2;3;4
Synaptic vesicle membrane protein VAT-1 homolog	2
Synapsin-2	3;4
AP complex subunit beta;AP-2 complex subunit beta	3
Glutamate receptor ionotropic, NMDA 1	2;3
Copper transport protein ATOX1	3;4
Proteasome subunit alpha type-4;Proteasome subunit alpha type	3
Phosphoglycerate kinase 1	2;3
Phosphoglycerate kinase 1	3
	3
Dual specificity protein phosphatase 15	3
Prohibitin	3
CBP80/20-dependent translation initiation factor	3;4;5
V-type proton ATPase subunit a;V-type proton ATPase 116 kDa subunit a isoform 1	2;3
Microtubule-associated protein RP/EB family member 3	2
40S ribosomal protein S19	3
10 kDa heat shock protein, mitochondrial	3
Diphosphoinositol polyphosphate phosphohydrolase 2;Diphosphoinositol polyphosphate	3
Cholesterol 24-hydroxylase	2;3
Basigin	3
Proline-rich transmembrane protein 2	2;3
Peptidyl-prolyl cis-trans isomerase FKBP4;Peptidyl-prolyl cis-trans isomerase FKBP4, N-terminal	3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 14	2;3
Mth938 domain-containing protein	3
Ubiquitin thioesterase OTUB2	3;4
Mitochondrial carrier homolog 2	4
Lipid phosphate phosphatase-related protein type 4	3;4
Hemoglobin subunit alpha	2
Protein SET	3
Nuclear pore complex protein Nup155	3
Adenylate cyclase type 9	2;3
Adenylate cyclase type 9	3
Ras GTPase-activating protein-binding protein 2	3
Unconventional myosin-Va	3
	3
Aspartate aminotransferase, cytoplasmic	2;3
WD repeat and SOCS box-containing protein 2	2;3
Farnesyl pyrophosphate synthase	2;3;4
Actin-related protein 2/3 complex subunit 5-like protein	3
Eukaryotic translation initiation factor 3 subunit J-A;Eukaryotic translation initiation factor 3 subunit J-B	3
Guanine nucleotide-binding protein G(s) subunit alpha isoforms short;Guanine nucleotide-binding protein G(s) subunit alpha isoforms long	2;3

60S ribosomal protein L35	2;3	
Acidic fibroblast growth factor intracellular-binding protein		4
CAP-Gly domain-containing linker protein 2		3
Ras-related protein Rab-33A	2;3	
Ankyrin-2	3;4	
Ankyrin-2		4
Lys-63-specific deubiquitinase BRCC36		3
B-cell CLL/lymphoma 7 protein family member B;B-cell CLL/lymphoma 7 protein family member B		3
		3
Platelet-activating factor acetylhydrolase IB subunit alpha	2;3	
Vesicle-associated membrane protein 7		3
Vesicle-associated membrane protein 7	2;3	
Kelch-like protein 3		3
Kelch-like protein 3		3
Actin-related protein 3		4
		2
Nucleoside diphosphate kinase A;Nucleoside diphosphate kinase;Nucleoside diphosphate kinase A		3
Nucleoside diphosphate kinase A;Nucleoside diphosphate kinase;Nucleoside diphosphate kinase A		2
Hsc70-interacting protein	2;3	
26S proteasome non-ATPase regulatory subunit 1		3
Cytoplasmic dynein 1 heavy chain 1	3;4	
Nucleosome assembly protein 1-like 1	2;3	
Protein shisa-9		3
Disks large homolog 1	3;4;5	
Hepatocyte growth factor-regulated tyrosine kinase substrate		3
Spectrin alpha chain, non-erythrocytic 1		3
Tripeptidyl-peptidase 2	2;3;4;5	
Disks large homolog 2	2;3;4	
Cytoplasmic dynein 1 heavy chain 1		3
Voltage-dependent anion-selective channel protein 1		3
Clathrin heavy chain 1;Clathrin heavy chain		2
Septin-5		3
Peroxisomal protein 5, mitochondrial		3
Pyruvate kinase PKM		2
PNMA-like protein 1		3
DDB1- and CUL4-associated factor 7		4
Epidermal growth factor receptor substrate 15		3
Voltage-dependent anion-selective channel protein 1		3
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase		4
Neuralized-like protein 4		3
Potassium voltage-gated channel subfamily H member 7		3
Redox-regulatory protein FAM213A		3
Aspartate--tRNA ligase, cytoplasmic		3
Vesicle-associated membrane protein 1;Vesicle-associated membrane protein 2;Vesicle-associated membrane protein 3	2;3	
Phospholipid-transporting ATPase 1A	2;3	
Alpha-enolase;Enolase	2;3	
Alpha-enolase;Enolase		3
CAAX prenyl protease 1 homolog		3
Adenosylhomocysteinase		3
26S proteasome non-ATPase regulatory subunit 2	3;4	

Programmed cell death 6-interacting protein	3
Voltage-gated potassium channel subunit beta-3	3
Kinesin heavy chain isoform 5A	2
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA	3
SLIT-ROBO Rho GTPase-activating protein 3	3
U5 small nuclear ribonucleoprotein 200 kDa helicase	3
Delta-aminolevulinic acid dehydratase	2;3
Valine--tRNA ligase	3
Protein syndesmos	2;3
NEDD8-activating enzyme E1 catalytic subunit	2;3;4
Cell cycle exit and neuronal differentiation protein 1	2;3
Astrotactin-1	3;4;5
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2	3
Cold shock domain-containing protein E1	2
Rho GTPase-activating protein 39	4
Adenylyl cyclase-associated protein 1	3
Glucosamine-6-phosphate isomerase 1	4
Glucosamine-6-phosphate isomerase 1	3;4
Lipid phosphate phosphatase-related protein type 3	3
Ubiquitin-conjugating enzyme E2 R2	3
Phospholipase D3	2;3;4
Phospholipase D3	3;4
Dynamin-1-like protein	3
Ras-related protein Rap-2a	3
Gamma-aminobutyric acid receptor-associated protein;Gamma-aminobutyric acid receptor	3
Myelin basic protein	2;3
Macrophage erythroblast attacher	2;3
Synaptotagmin-1	3
Prickle-like protein 1	3
Synaptobrevin homolog YKT6	4
Exocyst complex component 8	2;3
BRISC complex subunit Abro1	3
Uncharacterized protein C1orf43 homolog	3
WD repeat-containing protein 7	3
Lipoma HMGIC fusion partner-like 2 protein	3
Alpha-actinin-4;Alpha-actinin-3;Alpha-actinin-1;Alpha-actinin-2	2;3
ADP-ribosylation factor 5	2;3
Tyrosine-protein kinase Mer	3
BAG family molecular chaperone regulator 4	3
Methionine adenosyltransferase 2 subunit beta	3;4
Peptide-N(4)-(N-acetyl-beta-glucosaminy)asparagine amidase	3;4
Dehydrodolichyl diphosphate syntase complex subunit Dhdds	3
Microtubule-associated protein tau	3
Mitofusin-2	3
Rho GTPase-activating protein 26	3
Small nuclear ribonucleoprotein E	2;3
Phosphoinositide phospholipase C	3;4
Protein unc-13 homolog B;Protein unc-13 homolog A	3
	3
Protein unc-13 homolog A	3

E3 ubiquitin-protein ligase LRSAM1	3
Protein sprouty homolog 2	5
Tax1-binding protein 1 homolog	4
COP9 signalosome complex subunit 3	3
Ancient ubiquitous protein 1	2;3
Microtubule-associated protein;Microtubule-associated protein tau	3
	4
Excitatory amino acid transporter 1;Amino acid transporter	3
Charged multivesicular body protein 1a	2
UAP56-interacting factor	3
Dynactin subunit 3	2;3
Synaptotagmin-5	3
Heat shock cognate 71 kDa protein	2;3
Diacylglycerol kinase epsilon	3
Synaptotagmin-1	2;3;4
Synaptotagmin-2	4
E2/E3 hybrid ubiquitin-protein ligase UBE2O	2;3;4
E3 ubiquitin-protein ligase ARIH1	3
Sorting nexin-6;Sorting nexin-6, N-terminally processed	2;3
DNA-directed RNA polymerase II subunit RPB2	3
Serine/threonine-protein kinase LMTK2	3
Adenosine receptor A1	2;3
Non-specific protein-tyrosine kinase;Megakaryocyte-associated tyrosine-protein kinase	3
Microtubule-associated protein 2	3
Baculoviral IAP repeat-containing protein 6	3
G protein-regulated inducer of neurite outgrowth 3	3
Talin-1	3
Protein kinase C and casein kinase substrate in neurons protein 1	3;4
Heterogeneous nuclear ribonucleoprotein U	3
Programmed cell death protein 5	3
Peptidyl-prolyl cis-trans isomerase A;Peptidyl-prolyl cis-trans isomerase A, N-terminally p	2;3
Peptidyl-prolyl cis-trans isomerase A;Peptidyl-prolyl cis-trans isomerase A, N-terminally p	3;4
26S protease regulatory subunit 8	3
Gamma-aminobutyric acid receptor-associated protein-like 2	2
Voltage-dependent anion-selective channel protein 2	2;3
cAMP-dependent protein kinase type I-alpha regulatory subunit;cAMP-dependent protei	2;3
cAMP-dependent protein kinase type I-beta regulatory subunit	2;3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2	2;3;4
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2	2;3;4
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2	4
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-3	3;4;5
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-3	3;4
Sodium channel subunit beta-3	3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	2;3;4
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	2;3;4
Guanine nucleotide-binding protein subunit gamma;Guanine nucleotide-binding protein	2;3;4
Guanine nucleotide-binding protein subunit gamma;Guanine nucleotide-binding protein	2;3;4
Kinesin-like protein;Kinesin-like protein KIF1A;Kinesin-like protein KIF1C;Kinesin-like prot	3
Rho guanine nucleotide exchange factor 17	2
ELMO domain-containing protein 1	2

Cytoplasmic dynein 1 heavy chain 1	2;3	
Kinesin heavy chain isoform 5C;Kinesin heavy chain isoform 5A;Kinesin-1 heavy chain;Kin	2;3	
Golgin subfamily A member 7	2;3	
DnaJ homolog subfamily B member 5	3;4	
3-hydroxy-3-methylglutaryl coenzyme A reductase;3-hydroxy-3-methylglutaryl-coenzym		3
Kelch-like protein 9		3
Vacuolar protein sorting-associated protein 26B		3
Constitutive coactivator of PPAR-gamma-like protein 2	2;3	
Lysosomal-associated transmembrane protein 4A		2
Lysosomal-associated transmembrane protein 4A		2
Neural cell adhesion molecule 2	2;3	
Protein piccolo		3
Lysoplasmalogenase-like protein TMEM86A		3
SUMO-activating enzyme subunit 1;SUMO-activating enzyme subunit 1, N-terminally pro		3
		3
Disintegrin and metalloproteinase domain-containing protein 19	3;4	
PC4 and SFRS1-interacting protein		3
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	2;3	
Gamma-adducin		3
Heat shock cognate 71 kDa protein	2;3	
Heat shock cognate 71 kDa protein	2;3	
26S proteasome non-ATPase regulatory subunit 1	2;3	
Traf2 and NCK-interacting protein kinase		3
Disco-interacting protein 2 homolog B	2;3	
E3 ubiquitin-protein ligase Itchy		3
Abl interactor 2	2;3	
COP9 signalosome complex subunit 1		4
Serine/arginine-rich splicing factor 5		3
Sodium channel protein;Sodium channel protein type 4 subunit alpha;Sodium channel pr		3
Signal transducer and activator of transcription;Signal transducer and activator of transcr		3
Signal transducer and activator of transcription;Signal transducer and activator of transcr		4
Sodium channel protein		3
D-3-phosphoglycerate dehydrogenase		3
E3 ubiquitin-protein ligase RNF14	2;3	
		3
iE2;Mettl7a2;Mettl7a3		3
Uncharacterized protein C17orf47 homolog		3
FAS-associated factor 2		4
WD repeat-containing protein 35		3
	3;4	
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc	2;3	
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc	2;3;4	
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc	3;4;5	
Integral membrane protein 2B;BRI2, membrane form;BRI2 intracellular domain;BRI2C, sc	3;4;5	
Dysferlin		3
Dysferlin	4;5	
Microtubule-associated protein 2		3
SWI/SNF complex subunit SMARCC2		3
COP9 signalosome complex subunit 7a		3
Dynamin-1;Dynamin-2	2;3	

26S protease regulatory subunit 6A	2;3	
Dystrophin-related protein 2	2;3	
Histone H2A type 1-H;Histone H2A type 1-F;Histone H2A type 3;Histone H2A;Histone H2	2;3	
Histone H2A type 1-H;Histone H2A type 1-F;Histone H2A type 3;Histone H2A;Histone H2		3
Polyadenylate-binding protein 2;Embryonic polyadenylate-binding protein 2		3
Ankyrin-2		3
Excitatory amino acid transporter 2		3
Excitatory amino acid transporter 2	3;4	
Huntingtin	2;3	
Band 4.1-like protein 1	3;4	
Band 4.1-like protein 3;Band 4.1-like protein 3, N-terminally processed	2;3	
Band 4.1-like protein 2		3
Puromycin-sensitive aminopeptidase		3
Polypyrimidine tract-binding protein 2		3
E3 ubiquitin-protein ligase NEDD4		3
Synaptopodin	2;3	
Sorting nexin;Sorting nexin-18		3
Wiskott-Aldrich syndrome protein family member 3		3
Nitric oxide synthase;Nitric oxide synthase, brain		3
Transmembrane protein 194A		3
Potassium voltage-gated channel subfamily H member 2		3
Potassium voltage-gated channel subfamily H member 7		3
Ubiquitin domain-containing protein UBFD1		3
Heat shock protein HSP 90-alpha	3;4	
SUMO-activating enzyme subunit 2		3
		3
Ras-specific guanine nucleotide-releasing factor 1		3
Lupus La protein homolog	2;3;4	
GTP-binding nuclear protein Ran		3
Hemoglobin subunit beta-1;Hemoglobin subunit beta-2	2;3;4	
Neurobeachin	2;3	
Polyadenylate-binding protein 1	3;4	
Diacylglycerol kinase	2;3	
Mitochondrial Rho GTPase 2		3
ATP synthase subunit alpha, mitochondrial;ATP synthase subunit alpha	2;3	
Calnexin		3
Cullin-2		2
ATP synthase subunit beta, mitochondrial		2
N-terminal Xaa-Pro-Lys N-methyltransferase 1;N-terminal Xaa-Pro-Lys N-methyltransferase		3
Phenylalanine--tRNA ligase alpha subunit		2
Peroxiredoxin-6		3
Tight junction protein ZO-1		2
Kinesin-like protein KIF3B;Kinesin-like protein KIF3B, N-terminally processed		3
Macrophage colony-stimulating factor 1 receptor	2;3	
Rab GDP dissociation inhibitor alpha		2
Ras-related protein Rab-35		3
Ankyrin-2	3;4	
Uncharacterized protein KIAA1109		3
Triosephosphate isomerase	2;3	
		2

6-phosphogluconate dehydrogenase, decarboxylating	2;3	
Ras-related protein Rap-1A;Ras-related protein Rap-1b	2;3	
Rab GDP dissociation inhibitor alpha		3
CDGSH iron-sulfur domain-containing protein 1	2;3;4	
	3;4	
	3;4	
Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform	3;4	
Transmembrane protein 185B		3
Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform		3
Cullin-associated NEDD8-dissociated protein 1		2
Glyceraldehyde-3-phosphate dehydrogenase	2;3	
Triosephosphate isomerase	3;4	
Ras-related protein Rab-11B;Ras-related protein Rab-11A		3
Heterogeneous nuclear ribonucleoprotein K		2
Oxysterol-binding protein;Oxysterol-binding protein-related protein 11		3
Plexin-A2		3
		2
WD repeat-containing protein mio		3
Vesicle-fusing ATPase		3
60S ribosomal protein L7a		3
BTB/POZ domain-containing protein KCTD3		3
Hepatocyte growth factor-regulated tyrosine kinase substrate	3;4	
Multidrug resistance protein 1A;Multidrug resistance protein 1B;Multidrug resistance pr	2;3	
ADP-ribosylation factor-binding protein GGA3		3
ADP-ribosylation factor-binding protein GGA1		3
14-3-3 protein zeta/delta	2;3	
14-3-3 protein zeta/delta		4
14-3-3 protein zeta/delta		3
26S protease regulatory subunit 10B	2;3	
Oxidation resistance protein 1		3
Ankyrin-3		3
Ankyrin-2	2;3;4	
	3;4	
Mannose-6-phosphate isomerase		3
Heat shock protein HSP 90-beta		4
Serine/arginine-rich splicing factor 1		4
Splicing factor U2AF 65 kDa subunit		3
Dihydropyrimidinase-related protein 5		3
CB1 cannabinoid receptor-interacting protein 1		3
Long-chain-fatty-acid--CoA ligase ACSBG1	2;3	
Kinesin-like protein;Kinesin-like protein KIFC2		3
Protein furry homolog		3
RNA binding protein fox-1 homolog 1		4
Serine racemase		3
WASH complex subunit FAM21		3
Cytochrome b5	3;4	
26S proteasome non-ATPase regulatory subunit 3	2;3	
Glutamate dehydrogenase 1, mitochondrial		3
Ubiquitin carboxyl-terminal hydrolase isozyme L1		4
Thioredoxin-interacting protein	2;3	

Cytochrome c oxidase subunit 6B1		3
Reticulon-3	2;3	
Proteasome-associated protein ECM29 homolog	2;3	
Fatty acid desaturase 2	2;3	
Phospholipid-transporting ATPase IB	2;3	
Melanoma inhibitory activity protein 3	2;3	
Synaptopodin	2;3;4	
Nucleoporin NUP188 homolog		3
WD repeat-containing protein 1		3
TBC1 domain family member 13		4
Serine/arginine-rich splicing factor 3	2;3	
Serine/arginine-rich splicing factor 7	2;3	
E3 ubiquitin-protein ligase Itchy	2;3	
YLP motif-containing protein 1		3
Protein DDI1 homolog 2		2
Vesicle-fusing ATPase		3
E3 ubiquitin-protein ligase ARIH1	4;5	
Kalirin		3
Catenin alpha-2;Catenin alpha-1		3
Bifunctional purine biosynthesis protein PURH;Phosphoribosylaminoimidazolecarboxami		3
Fatty acid desaturase 2		3
V-type proton ATPase catalytic subunit A	2;3	
E3 ubiquitin-protein ligase ARIH2	3;4	
Syntaxin-binding protein 1		4
C-Maf-inducing protein		3
Zinc transporter ZIP10		3
N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D	3;4	
Peptide-N(4)-(N-acetyl-beta-glucosaminyl)asparagine amidase	3;4	
Glyceraldehyde-3-phosphate dehydrogenase	3;4	
E3 ubiquitin-protein ligase MIB1	2;3;4	
Glutathione S-transferase Mu 5		2
DnaJ homolog subfamily B member 6;DnaJ homolog subfamily B member 7	3;4	
Rho-related GTP-binding protein RhoG		4
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-13		3
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-13		3
Spectrin alpha chain, non-erythrocytic 1	3;4	
Inner nuclear membrane protein Man1		3
Chromobox protein homolog 3	3;4	
Chromobox protein homolog 5	2;3;4	
Mitochondrial import receptor subunit TOM70		2
Transmembrane protein 9;Transmembrane protein 9B		3
Vacuolar protein sorting-associated protein 13A		3
AP-2 complex subunit alpha-1	2;3	
AP-2 complex subunit alpha-2		3
Ubiquitin domain-containing protein 1;Ubiquitin domain-containing protein 2		3
TBC1 domain family member 10A		4
TBC1 domain family member 10A	3;4	
TBC1 domain family member 10A	3;4	
Protein arginine N-methyltransferase 5		3
Transaldolase		4

Clathrin heavy chain 1;Clathrin heavy chain	2;3;4	
U1 small nuclear ribonucleoprotein C		3
2',3'-cyclic-nucleotide 3'-phosphodiesterase		2
Myelin expression factor 2		3
Cytoplasmic dynein 1 heavy chain 1		3
Cytoplasmic dynein 1 heavy chain 1		3
Ubiquitin-conjugating enzyme E2 variant 1		3
Heterogeneous nuclear ribonucleoprotein M		3
N-acylneuraminate cytidyltransferase	2;3	
Muscarinic acetylcholine receptor M4		3
Pre-mRNA-processing-splicing factor 8		4
Protein C12orf4 homolog	2;3	
Interleukin-1 receptor accessory protein	2;3	
Transforming protein RhoA;Rho-related GTP-binding protein RhoC	3;4	
Syntaxin-binding protein 1	2;3	
Syntaxin-binding protein 1	3;4	
Transmembrane protein 132A		3
Disintegrin and metalloproteinase domain-containing protein 22		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5		4
	2;3	
Peptide-N(4)-(N-acetyl-beta-glucosaminyl)asparagine amidase		3
Cell division control protein 42 homolog	3;4;5	
Rho-related GTP-binding protein RhoB		3
Ras-related protein Rab-15		3
Junctophilin-3	2;3;4	
	3;4	
Ubiquitin carboxyl-terminal hydrolase;Probable ubiquitin carboxyl-terminal hydrolase FA	2;3	
AP-2 complex subunit sigma		3
Uncharacterized protein C9orf172 homolog		3
Ras-related protein Rab-3A;Ras-related protein Rab-3D		3
Phosphoglycerate mutase 1		3
V-type proton ATPase subunit B, brain isoform	2;3;4	
Neurofilament medium polypeptide	2;3	
40S ribosomal protein S4, X isoform;40S ribosomal protein S4	2;3	
Dextrin	2;3	
Cofilin-1;Cofilin-2	2;3	
Protein mago nashi homolog 2;Protein mago nashi homolog		3
Lamina-associated polypeptide 2, isoforms beta/delta/epsilon/gamma		2
Ras-related protein Rab-1A;Ras-related protein Rab-1B	2;3	
Fructose-bisphosphate aldolase A;Fructose-bisphosphate aldolase;Fructose-bisphosphate	3;4;5	
Protein shisa-9		3
ATP synthase subunit O, mitochondrial		3
Nucleosome assembly protein 1-like 1	2;3	
Gap junction alpha-1 protein		3
COP9 signalosome complex subunit 5	2;3	
Calcium-transporting ATPase;Calcium-transporting ATPase type 2C member 1		3
14-3-3 protein beta/alpha;14-3-3 protein beta/alpha, N-terminally processed	3;4	
14-3-3 protein gamma;14-3-3 protein gamma, N-terminally processed	2;3	
14-3-3 protein gamma;14-3-3 protein gamma, N-terminally processed		3
14-3-3 protein zeta/delta		3

14-3-3 protein eta	3
14-3-3 protein theta	3
Methylthioribulose-1-phosphate dehydratase	3
AH receptor-interacting protein	2;3
Guanine nucleotide-binding protein G(i) subunit alpha-2	3
Nectin-1	3;4
Cadherin-2	3
Elongation factor 1-alpha 2	2;3
E3 ubiquitin-protein ligase MARCH1	4
Growth factor receptor-bound protein 2	2
Spindlin-1	3
Ubiquitin-like modifier-activating enzyme 1	3
Methionine aminopeptidase 2;Methionine aminopeptidase	3
Lipid phosphate phosphohydrolase 3	3
Lipid phosphate phosphohydrolase 3	4
Occludin	2;3
Synaptojanin-1	2;3
CaM kinase-like vesicle-associated protein	3
Glyceraldehyde-3-phosphate dehydrogenase	2;3
Zinc transporter ZIP6	3;4
	2
Semaphorin-5A	2;3
	2;3
Synaptic vesicle 2-related protein	2
Synaptic vesicle 2-related protein	3
Proteasome subunit alpha type-6	2;3
Spectrin alpha chain, non-erythrocytic 1	2
ATP-dependent 6-phosphofructokinase;ATP-dependent 6-phosphofructokinase, platelet	3;4
Neuronal membrane glycoprotein M6-a	2
Neuronal membrane glycoprotein M6-a	3;4;5;6
Neuronal membrane glycoprotein M6-a	3;4;5;6
	3
Elongation factor 1-alpha 1	2;3
Macrophage colony-stimulating factor 1 receptor	3
WD repeat-containing protein WRAP73	3
Vacuolar protein sorting-associated protein 26A	2;3
PH and SEC7 domain-containing protein 3	3
High mobility group protein B1;High mobility group protein B2	3
Probable palmitoyltransferase ZDHHC20	2
Muskelin	3
Protein kinase C and casein kinase substrate in neurons protein 1	3
Atypical chemokine receptor 3	3
Annexin A6;Annexin	2;3
Sodium/potassium-transporting ATPase subunit alpha-1	2;3;4
Inward rectifier potassium channel 2	4
Protein yippee-like 4	3
Guanine nucleotide-binding protein subunit alpha-11	2;3
Heat shock protein HSP 90-alpha;Heat shock protein HSP 90-beta	2;3
Heat shock protein HSP 90-beta	3;4
Cytoplasmic FMR1-interacting protein 1;Cytoplasmic FMR1-interacting protein 2	2;3

Ubiquitin carboxyl-terminal hydrolase 48		3
E3 ubiquitin-protein ligase ARIH1		4
Elongation factor 2	2;3	
Hemoglobin subunit beta-1	2;3	
Hemoglobin subunit beta-2		3
Hemoglobin subunit beta-2	2;3	
cAMP-regulated phosphoprotein 19;Alpha-endosulfine		3
E3 ubiquitin-protein ligase UBR2	2;3	
Coronin-1C		4
Microtubule-associated protein 2	2;3	
Retinol dehydrogenase 14		2
Thioredoxin-related transmembrane protein 2	2;3	
Ethanolamine kinase 1		3
Pituitary adenylate cyclase-activating polypeptide type I receptor	2;3	
Pituitary adenylate cyclase-activating polypeptide type I receptor		3
Syntaphilin;Syntabulin		2
Protein phosphatase 1 regulatory subunit 29	3;4	
Dehydrogenase/reductase SDR family member 7B	2;3	
		3
Bone morphogenetic protein receptor type-2	3;4	
Moesin		3
Succinyl-CoA:3-ketoacid-coenzyme A transferase;Succinyl-CoA:3-ketoacid coenzyme A tr		2
Plasma membrane calcium-transporting ATPase 1;Calcium-transporting ATPase		3
Plasma membrane calcium-transporting ATPase 1;Calcium-transporting ATPase		4
Calcium-transporting ATPase;Plasma membrane calcium-transporting ATPase 2		3
Calcium-transporting ATPase	3;4	
ATP-sensitive inward rectifier potassium channel 10		2
ATP-sensitive inward rectifier potassium channel 10	2;3;4	
ATP-sensitive inward rectifier potassium channel 10	2;3;4	
Radixin		4
Synaptotagmin-12	2;3	
Splicing factor, proline- and glutamine-rich		3
		3
Non-POU domain-containing octamer-binding protein	2;3	
Alpha-enolase;Enolase	2;3	
Gamma-enolase		3
DnaJ homolog subfamily B member 6	3;4	
Heterogeneous nuclear ribonucleoprotein A3	2;3	
Rab GDP dissociation inhibitor beta;Rab GDP dissociation inhibitor alpha		3
Mitochondrial import receptor subunit TOM70		2
ATP-binding cassette sub-family F member 2	2;3	
Ras-related protein Rab-3A	2;3	
Ras-related protein Rab-3A		3
Importin-7		3
RING finger protein 122		2
2',3'-cyclic-nucleotide 3'-phosphodiesterase	2;3	
		3
Asparagine synthetase [glutamine-hydrolyzing]		5
Heterogeneous nuclear ribonucleoprotein D0	2;3	
DnaJ homolog subfamily C member 5	3;4	

DnaJ homolog subfamily C member 5	4
Heterogeneous nuclear ribonucleoprotein D-like	4
Histone deacetylase 2	3;4
Rab GDP dissociation inhibitor beta	2;3
Rab GDP dissociation inhibitor beta	4
Mu-type opioid receptor;Delta-type opioid receptor;Kappa-type opioid receptor	3;4
Reticulon-1	3;4
CUE domain-containing protein 2	2;3
Heat shock protein HSP 90-alpha;Heat shock protein HSP 90-beta	3;4
Vesicular glutamate transporter 1	2;3
Vesicular glutamate transporter 1	2;3
Vesicular glutamate transporter 1	4
Vesicular glutamate transporter 2	2;3
Unconventional myosin-Va	3
Clathrin heavy chain 1;Clathrin heavy chain	2;3
Heterogeneous nuclear ribonucleoprotein F;Heterogeneous nuclear ribonucleoprotein F,	3
Heterogeneous nuclear ribonucleoprotein F;Heterogeneous nuclear ribonucleoprotein F, 2;3	
CD82 antigen	4
26S protease regulatory subunit 7	2;3
NEDD8-activating enzyme E1 regulatory subunit	3
E3 ubiquitin-protein ligase HERC2	3
Clathrin heavy chain 1;Clathrin heavy chain	2;3
Golgin subfamily A member 7	3
Golgin subfamily A member 7B	2;3
Cleavage and polyadenylation specificity factor subunit 5	2
Pumilio homolog 1;Pumilio homolog 2	3
Huntingtin-interacting protein 1-related protein	3
Neurofilament medium polypeptide	2;3
Cryptochrome-2	3
Tropomyosin alpha-3 chain	2;3
Tropomyosin alpha-3 chain	3
Coiled-coil domain-containing protein 50	3
SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A	3
AP-2 complex subunit mu	2;3
E3 ubiquitin-protein ligase TRIM32	2;3;4
Sequestosome-1	3
Plexin-A1	3
Long-chain-fatty-acid--CoA ligase ACSBG1	2;3
Astrotactin-1	4
Cytoplasmic dynein 1 heavy chain 1	3
	3
40S ribosomal protein S3	3
Ankyrin repeat and IBR domain-containing protein 1	3
Synaptotagmin-7	2;3
ADP/ATP translocase 1	3
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1;Potassi	3
Lipid phosphate phosphatase-related protein type 4	3
Reticulon-3	3
Bisphosphoglycerate mutase;Phosphoglycerate mutase	3
Thioredoxin-related transmembrane protein 2	2;3

Hepatocyte growth factor-regulated tyrosine kinase substrate	2;3	
Voltage-dependent anion-selective channel protein 2		2
Fascin	2;3	
Vang-like protein 2		3
Elongation factor 2	2;3	
14-3-3 protein zeta/delta	2;3	
14-3-3 protein zeta/delta		4
14-3-3 protein eta	2;3	
14-3-3 protein gamma;14-3-3 protein gamma, N-terminally processed	2;3	
Fascin	2;3	
LanC-like protein 1		3
Rab GDP dissociation inhibitor alpha	2;3	
Carnitine O-palmitoyltransferase 1, liver isoform	3;4	
Dystrophin		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 14		3
Calcium-binding mitochondrial carrier protein Aralar1		3
Cullin-2		4
14-3-3 protein theta		2
14-3-3 protein beta/alpha;14-3-3 protein beta/alpha, N-terminally processed		3
Rapamycin-insensitive companion of mTOR		3
Kinesin-like protein KIF1B	2;3	
60S ribosomal protein L17		2
LanC-like protein 2	2;3	
Neurofilament light polypeptide		3
Fascin	2;3	
Microtubule-associated protein 6	2;3	
Sodium/potassium-transporting ATPase subunit alpha-3		3
		3
		4
Clathrin coat assembly protein AP180	2;3	
Phosphatidylinositol-binding clathrin assembly protein	2;3	
Protein phosphatase 1G		3
Protein-tyrosine kinase 2-beta		3
Complexin-1;Complexin-2		3
Lanosterol 14-alpha demethylase	2;3	
Cytosolic acyl coenzyme A thioester hydrolase		2
Synaptotagmin-12		2
Brain-specific angiogenesis inhibitor 1-associated protein 2		2
CSC1-like protein 2	3;4	
Synaptoporin	3;4	
Synaptoporin		3
14-3-3 protein beta/alpha;14-3-3 protein beta/alpha, N-terminally processed	3;4	
Cell division cycle protein 16 homolog		2
Eukaryotic initiation factor 4A-I		3
Ubiquitin carboxyl-terminal hydrolase 25	2;3	
Transient receptor potential cation channel subfamily V member 2		3
Pantothenate kinase 1		3
Acetyl-CoA carboxylase 1;Biotin carboxylase		3
26S proteasome non-ATPase regulatory subunit 2		3
Activin receptor type-1B		3

Voltage-dependent N-type calcium channel subunit alpha-1B	3
Non-specific serine/threonine protein kinase;Serine/threonine-protein kinase PAK 1	3
Connector enhancer of kinase suppressor of ras 2	3
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	2;3
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	2;3
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	3;4
Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B	3
DNA damage-binding protein 1	3
C-Jun-amino-terminal kinase-interacting protein 4	3
Thioredoxin-related transmembrane protein 2	3
Ubiquitin carboxyl-terminal hydrolase 25	2;3
Nucleosome assembly protein 1-like 5	2;3
AP complex subunit beta;AP-2 complex subunit beta;AP-1 complex subunit beta-1	2
Heat shock protein 105 kDa	3
Dynein light chain 1, cytoplasmic	2;3
Dynein light chain 2, cytoplasmic	2;3
V-type proton ATPase subunit H	3
Heterogeneous nuclear ribonucleoprotein U	3
Histone deacetylase 11	3;4
COP9 signalosome complex subunit 3	3;4
Sodium/potassium-transporting ATPase subunit beta-1	3
Tripeptidyl-peptidase 2	3
Prostamide/prostaglandin F synthase	2;3
Sodium/potassium-transporting ATPase subunit alpha-3	2;3;4
RING finger protein 157	3
Nardilysin	3
Protein unc-80 homolog	3;4
Brain-specific angiogenesis inhibitor 1	3;4
Sodium/potassium-transporting ATPase subunit alpha-2	2
Actin, alpha skeletal muscle;Actin, alpha cardiac muscle 1	4;5
Actin, alpha skeletal muscle;Actin, alpha cardiac muscle 1	3;4;5;6
V-type proton ATPase subunit C 1	2
Glycine--tRNA ligase	2;3
Glycine--tRNA ligase	2;3
Kelch-like protein 11	3
	3
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2	3;4
T-complex protein 1 subunit alpha	3
60S ribosomal protein L13a	2
Kinesin light chain 2	3
Stathmin;Stathmin-4	3
Caprin-1	2;3
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1	3
Histone H3;Histone H3.3;Histone H3.2;Histone H3.1;Histone H3.3C	2;3
Sodium/potassium-transporting ATPase subunit alpha-1	2;3
Probable cationic amino acid transporter	3;4
Microtubule-associated protein 2;Microtubule-associated protein	2
Phosphatidylinositol 3-kinase regulatory subunit alpha	3
ATP-dependent RNA helicase DDX39A;Spliceosome RNA helicase Ddx39b	2
WD repeat-containing protein 47	3

Hsc70-interacting protein		3
Sodium/potassium-transporting ATPase subunit alpha-2	2;3	
Voltage-dependent anion-selective channel protein 1		4
Syntaxin-binding protein 1	2;3;4	
Beta-soluble NSF attachment protein;Alpha-soluble NSF attachment protein	2;3	
Sorting nexin-12		3
Brain-specific angiogenesis inhibitor 1-associated protein 2		3
Brain-specific angiogenesis inhibitor 3;Brain-specific angiogenesis inhibitor 2		4
Histone H1.0;Histone H1.0, N-terminally processed		3
Casein kinase II subunit alpha		3
YTH domain-containing family protein 1;YTH domain-containing family protein 3		3
		3
60S ribosomal protein L17		3
Protein pelota homolog		3
Adenosine kinase		3
E3 ubiquitin-protein ligase MARCH5		3
Cytoplasmic FMR1-interacting protein 2		3
Peroxisomal targeting signal 1 receptor		3
Disks large homolog 2	3;4;5	
Disks large homolog 1	2;3	
Disks large homolog 4	2;3	
Disks large homolog 4	3;4	
Syntaxin-binding protein 1	3;4;5	
Hepatocyte growth factor-regulated tyrosine kinase substrate		3
60S ribosomal protein L27	2;3	
Sorting nexin-10	3;4	
Neural cell adhesion molecule L1	3;4	
E3 ubiquitin-protein ligase UBR3		2
COP9 signalosome complex subunit 2	2;3	
Reticulon-1;Reticulon		3
Nuclear protein localization protein 4 homolog		2
ZW10 interactor		3
Regulator of G-protein signaling 6;Regulator of G-protein signaling 7		3
IgE-binding protein		2
WD repeat-containing protein mio		3
Cationic amino acid transporter 2		3
Protein lin-7 homolog A	2;3	
Protein lin-7 homolog C		3
Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase;UDP-N		3
Serum albumin		3
Microtubule-associated protein 2;Microtubule-associated protein		3
Microtubule-associated protein 2		3
Selenoprotein O		3
60S acidic ribosomal protein P2	2;3;4	
Somatostatin receptor type 1		3
Ubiquitin carboxyl-terminal hydrolase;Ubiquitin carboxyl-terminal hydrolase 5	3;4	
Mortality factor 4-like protein 1	2;3	
Cell division control protein 42 homolog	2;3	
Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha	3;4	
Double zinc ribbon and ankyrin repeat-containing protein 1	3;4	

Zinc finger RNA-binding protein		3
Synaptotagmin-2	2;3	
Synaptotagmin-5		3
Synaptotagmin-1	2;3	
Phospholipid-transporting ATPase;Probable phospholipid-transporting ATPase IIA	2;3	
Solute carrier organic anion transporter family member 1C1		3
Profilin-2;Profilin		3
Phosphatidylethanolamine-binding protein 1;Hippocampal cholinergic neurostimulating		3
Cullin-7		2
Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2		2
Monoglyceride lipase		3
Ubiquitin-associated and SH3 domain-containing protein B		3
Plexin-D1		3
	2;3;4	
Protein unc-93 homolog B1	3;4	
Protein YIF1B	2;3	
Brain-enriched guanylate kinase-associated protein		3
Cullin-3		3
Equilibrative nucleoside transporter 2		3
Transcriptional activator protein Pur-alpha	2;3	
26S proteasome non-ATPase regulatory subunit 13	3;4	
Heat shock protein HSP 90-alpha		3

PEP	Score	Intensity
0.00018128	62.666	4244700
7.05E-16	110.89	210870000
3.46E-10	89.345	17558000
1.62E-06	104.06	3298500
8.32E-05	128.91	22882000
0.011113	46.833	1247400
0.022321	62.694	1445200
0.00015083	105.17	3665800
4.11E-07	71.528	4148900
0.00072458	76.073	1575400
0.00077944	67.252	12669000
0.0010367	89.629	13822000
0.0022292	76.332	384390000
0.00020671	76.678	2020000
0.0023262	79.511	0
0.00019737	99.566	3653100
0.00033133	72.187	448620
2.49E-21	163.56	44404000
0.023016	45.138	635070
4.48E-05	88.627	7124200
0.0012729	74.537	6004100
0.0031182	74.162	283580
0.0007569	53.408	3650700
0.011754	100.45	853270
0.0058487	57.045	420580
0.0038414	59.709	1547000
0.00073935	89.266	2076800
9.91E-06	127.3	19603000
0.0066827	68.413	4494100
1.52E-47	201.08	13896000
0.04199	41.227	566370
0.011783	62.338	1076100
1.52E-76	211.67	110770000
0.010137	60.518	1201100
0.0080649	59.57	155440
0.011081	53.377	3331900
0.037438	42.226	899370
0.034297	41.962	1286500
2.37E-06	126.83	5272400
0.033999	54.722	1024500
0.029147	72.138	1541900
0.00023422	106.49	1522100
1.95E-07	73.654	13262000
0.00024789	59.352	12846000
9.27E-07	76.956	61388000
0.0315	95.018	0
7.12E-05	94.325	11082000
0.0040576	46.154	9361700
0.0005962	56.533	3549800

0.0097381	61.444	721640
0.00035852	77.506	3518400
0.035349	45.213	2269000
0.012434	74.944	634350
0.00075019	89.08	16516000
3.21E-05	103.83	10151000
8.83E-05	116.19	12451000
4.58E-10	105.24	19732000
0.00014353	89.468	8609200
0.015087	72.006	500950
0.000639	60.602	2406800
0.00044388	73.156	1077000
0.00024698	76.049	8506100
0.00019861	82.885	2652100
4.68E-05	86.856	3805200
0.003686	55.267	1902400
0.001457	130.75	14495000
9.70E-06	124.48	5928700
7.73E-06	132.79	66607000
0.021985	49.224	2366300
0.043497	68.44	0
6.72E-06	75.106	6622600
2.44E-13	138.24	3162400
0.00070519	80.102	516790
0.029687	44.132	208830
6.39E-22	169.04	422040000
0.0014147	66.022	1354500
5.48E-12	93.876	9585400
3.88E-05	102.97	4407300
1.37E-07	91.503	3045400
4.47E-05	102.36	6293400
0.0005806	80.469	1112300
0.00025655	131.62	14774000
6.98E-10	147.37	2427400
5.26E-06	127.83	2945500
0.0001388	92.773	298810
0.00022691	122.96	132700000
0.0055837	46.296	927460
0.0090414	64.73	4039800
0.023463	42.639	859480
0.0029731	72.2	1945000
0.00029908	68.42	21396000
0.00032852	81.003	1407900
2.23E-05	109.18	5905800
0.0032213	56.819	7272900
0.00095468	87.568	174720
0.00079934	62.739	584710
6.15E-05	115.7	362350000
0.004554	58.885	5271300
0.0073308	50.883	3685100

6.34E-13	134.87	239630000
0.033241	44.847	186640
0.0033977	58.159	1581100
1.87E-05	100.39	47574000
0.012377	45.844	2553600
0.00087716	113.41	1811400000
1.71E-07	145.46	17745000
1.46E-05	127.83	9342100
2.73E-05	65.059	8338400
9.77E-11	125.23	14307000
0.024029	46.746	553000
0.032341	45.115	2249400
0.00043607	72.932	3057900
1.69E-08	142.07	9671500
0.00046024	79.886	2290700
0.00097906	95.618	221950
0.001607	84.479	1589600
2.76E-76	207.81	58029000
0.054229	40.616	1747300
4.89E-45	177.3	23916000
2.95E-22	143.63	30006000
1.11E-08	130.11	2824700
1.48E-129	232.32	937730000
3.72E-29	165.19	174660000
6.03E-08	105.67	51994000
4.72E-10	115.76	32961000
1.36E-18	148.04	207000000
0.00023242	86.548	3838900
0.00017666	79.568	486400
5.55E-21	160.78	79992000
4.91E-06	104.03	7981500
1.02E-52	201.72	1163400000
4.29E-08	126.07	153270000
2.45E-11	137.85	39285000
0.013151	70.68	0
1.42E-05	126.09	26905000
0.022773	46.206	1252000
1.68E-05	102.5	6890400
0.013377	51.092	453590
0.0020734	65.374	1215500
4.34E-05	106.3	3195900
4.44E-07	153.04	53250000
0.0084548	95.909	34085000
5.95E-05	101.42	1764400
0.0004635	75.998	2577400
7.60E-05	66.58	52427000
6.18E-05	114.82	4267700
2.29E-12	99.943	16761000
1.06E-56	190.54	316660000
4.60E-23	140.59	31194000

2.09E-36	164.72	125310000
0.017017	54.281	976850
0.012263	66.568	941090
7.77E-08	79.382	2747300
0.0079735	47.397	1475800
0.054204	44.391	4930300
0.00042387	71.594	5859100
2.84E-08	142.1	100650000
0.00020015	92.112	12088000
9.60E-05	67.992	3173000
0.0057514	51.029	1860100
8.01E-05	59.573	30887000
4.87E-07	136.99	8982400
0.0028993	50.055	3557900
0.00038929	91.549	14533000
5.00E-05	64.213	7310300
3.82E-45	172.54	77072000
7.15E-07	87.739	13601000
1.75E-12	147.51	23546000
3.43E-36	153.77	35637000
9.80E-14	141.58	17752000
0.0013107	77.379	487690
9.40E-06	93.5	5111200
2.26E-05	109.24	521290
0.00079491	117.4	2317700
0.00028399	91.313	1256300
6.92E-05	105.4	3291100
0.054627	41.689	6453800
1.11E-08	139.21	9425100
0.006168	59.607	415190
3.04E-13	150.04	10720000
1.68E-10	109.75	11279000
3.31E-24	160.65	97756000
0.0020514	73.386	5127300
0.016346	50.562	110640
0.00086568	46.76	1020100
0.0011002	52.868	2152500
8.86E-19	175.49	68190000
0.00031185	97.631	13470000
0.0019184	64.537	1807700
9.66E-05	60.218	3259400
0.011333	87.639	662630
1.61E-07	92.8	1099800
0.016246	46.353	365280
0.045816	48.547	276070
0.0057729	68.626	743170
0.0024626	59.585	886050
0.0073057	64.522	0
0.0029656	55.763	23232000
0.00066922	106.88	201870000

0.0019202	84.658	990230
3.07E-28	151.6	21156000
3.47E-05	112.67	5301000
7.22E-10	82.6	5546100
2.83E-27	124.06	7277800
3.76E-35	159.98	15822000
0.0030361	63.337	2470200
0.0012954	55.228	461240
1.27E-05	104.17	3352400
2.44E-05	95.48	3780900
3.68E-07	115.46	2642100
0.00047826	81.594	3706700
0.001672	96.034	13947000
0.018361	61.56	8283900
0.034175	66.692	468190
8.88E-82	225.01	27903000
0.0051204	57.52	640190
0.0044035	86.882	780240
0.0073323	60.157	519980
3.95E-05	107.99	3498000
0.0045104	66.023	839270
0.0059542	107.74	7366000
0.016727	76.221	370660
0.018684	41.431	1905000
3.38E-05	69.444	1477000
1.55E-09	130.69	0
0.037463	40.801	393180
0.013322	89.298	2023000
0.00013084	92.935	1265200
1.04E-05	111.31	40733000
0.0022912	104.01	41296000
1.12E-10	86.902	38548000
1.88E-07	90.694	15298000
9.58E-17	125.79	8855100
9.58E-05	96.247	5593700
2.41E-06	82.593	5999700
0.038375	42.338	609250
0.00022306	87.088	3219900
3.41E-09	144.65	4358400
1.33E-06	73.685	45003000
0.00082885	123.98	24934000
0.0030363	66.989	383240
0.0034165	68.536	2897800
0.0054952	63.76	4333300
1.14E-07	124.77	2229200
8.26E-05	99.5	11330000
0.0024408	66.285	6414800
8.45E-05	114.5	34902000
0.0017615	56.29	514960
1.19E-05	128.45	1374000

0.00044854	83.877	1465600
1.32E-69	200.57	188250000
0.011235	55.105	7496600
6.45E-09	108.5	12423000
3.78E-13	131.35	46265000
0.024986	43.162	2617600
0.016097	46.958	3181300
0.048909	86.086	1036600
0.00033691	117.01	5064700
0.0034463	106.42	675500
0.020061	46.68	11529000
1.03E-05	94.707	5131400
2.45E-10	142.72	52797000
0.020829	49.466	58221000
0.00068619	73.415	1468700
0.00022306	87.088	6382300
0.00013732	85.636	403600000
3.02E-05	109.67	108750000
0.010983	48.899	6114400
0.015116	58.981	178080
5.70E-05	101.53	5832300
0.00033546	89.356	10321000
0.012766	68.173	0
0.0005301	59.429	6083200
0.0010346	72.731	1769100
0.0011331	82.494	9099000
0.008528	59.198	189370
0.0010513	93.649	5838200
0.0046047	48.115	3079700
0.00070559	52.675	7373900
1.16E-78	215.34	56137000
3.99E-22	147.03	22192000
0.0017948	107.57	254230
5.47E-27	176.05	16348000
0.014626	67.964	0
0.00024504	90.731	3089500
0.002937	44.267	1740400
0.0010232	58.564	1528400
0.00011976	85.932	6516300
4.75E-22	148.64	76833000
4.08E-12	92.901	440530000
0.00024183	86.005	7375400
4.82E-13	131.86	2058600
0.0017991	48.388	1073900
1.88E-05	123.92	13424000
0.031541	42.095	531220
1.02E-11	114.39	5621700
2.75E-22	147	184340000
6.45E-05	76.049	28851000
0.0016271	59.372	3019100

0.0015052	103.31	3566200
1.25E-06	99.366	14357000
0.0037768	68.972	1116000
0.00097457	53.895	6971700
0.016217	53.034	3044900
0.0011249	76.073	6348600
1.32E-05	110.64	7504700
9.64E-19	135.54	5261100
0.0012113	85.457	3536500
0.0067066	54.805	4752700
2.35E-06	121.42	4721700
5.71E-05	100.77	56183000
9.69E-05	112.36	11922000
0.052998	50.237	0
0.00012219	117.31	2832000
0.0001453	94.538	3264100
4.65E-40	194.48	71188000
0.0043322	59.252	1931400
0.026007	43.326	769700
0.024011	51.252	699380
0.034487	43.861	2804800
0.014019	47.204	5048500
0.0014408	68.283	1004300
0.0039492	55.688	1296400
1.31E-50	202.61	651190000
8.91E-05	102.63	15501000
1.55E-05	98.804	9385100
2.37E-07	119.37	32799000
0.0025575	52.095	3604200
0.0001788	90.453	6465900
0.0028706	45.635	4490100
0.00019666	112.71	13605000
3.28E-06	134.77	8218900
0.0003285	88.092	3506700
1.39E-08	140.31	346230000
0.00020925	128.36	26326000
0.021808	60.76	115610
0.004194	48.968	797210
0.022869	46.319	430040
7.44E-09	146.5	7182900
0.0009283	74.89	347780
9.93E-05	99.451	11264000
0.020139	45.138	729020
0.014644	57.347	196390
0.00033594	78.249	231170
1.12E-72	216.84	226360000
0.01887	56.916	168820
0.00057906	82.202	2544600
0.00023382	89.43	671280
0.0004625	76.068	204880000

0.0026529	56.746	1141700
4.67E-05	122.12	47063000
0.0019082	64.588	2308000
0.0064742	55.851	1691500
0.00034557	68.369	1912400
0.00056618	65.097	1148200
2.32E-05	64.589	3915100
0.00013073	92.939	2242400
0.00026162	66.636	3288200
1.23E-11	85.001	2278600
2.65E-07	118.54	16770000
0.0017545	86.114	4669600
3.53E-07	115.91	12149000
1.36E-07	124.46	3656600
0.0048223	59.607	624900
2.63E-06	99.569	24405000
2.95E-22	139.45	19540000
0.0019191	106.6	6163000
1.26E-17	152.66	48765000
1.66E-21	148.64	80068000
2.67E-53	160.69	11406000
3.27E-05	102.15	238390000
0.00025944	92.247	9671100
3.19E-10	139.49	9516100
0.016772	91.401	0
0.0070257	57.414	2475800
0.00017802	70.315	5205300
0.010071	56.139	435230
0.00094767	80.738	6541300
0.0001742	70.76	8804300
0.00051228	73.833	2042100
1.05E-25	169.7	16199000
0.00080431	93.345	6182800
0.0019281	62.237	1566000
4.02E-05	111.11	14408000
4.58E-07	149.82	19317000
1.14E-05	106.16	8167100
0.013154	79.713	175040
0.054322	40.589	1214500
9.22E-13	149.33	36459000
0.00023851	93.348	1310500
6.17E-13	152.54	290000000
1.21E-32	177.39	28057000
1.99E-29	161.02	9115900
0.0069428	126.24	1790100
0.00040754	55.063	3497300
9.57E-05	123.62	3096500
0.029781	46.844	253980
0.0036816	83.265	1476200
2.07E-08	93.34	4317300

1.56E-06	73.839	1858800
0.010877	63.076	787770
5.08E-08	144.17	20734000
5.96E-09	132.51	4602400
0.034365	66.621	47686
0.0022546	71.529	682850
1.37E-08	100.62	3780600
0.0011472	92.538	5789600
0.044802	41.401	3607900
1.81E-05	106.79	2663100
0.0002845	69.581	3333100
5.33E-05	107.69	8902500
3.58E-05	113.35	26838000
9.13E-05	100.23	2622300
2.59E-10	142.4	29891000
0.0018246	96.668	2097800
6.85E-05	117.31	4322900
5.30E-19	159.5	164190000
1.58E-06	132.06	2142000
5.85E-05	91.774	1065200
0.0012804	74.46	499250
0.00015345	55.772	13000000
0.00034	83.823	3169000
0.013051	62.732	2042600
0.00021855	107.34	1799600
0.0010388	78.903	1783400
0.0030258	101.46	11436000
0.00019371	77.576	1166100
0.020625	48.608	6647000
0.012773	49.595	211450
4.56E-67	217.2	133490000
7.80E-12	167.12	43967000
3.01E-86	220.16	88113000
0.00030239	90.614	5357900
8.52E-06	131.69	18697000
0.00019702	84.166	8714600
0.0011003	84.375	3855200
0.034622	44.436	649890
4.35E-05	88.79	7323100
0.00045783	67.11	1061300
0.033424	41.422	2499800
0.00036569	100.09	2634000
0.0061369	85.064	791730
8.75E-16	157.57	6391000
5.50E-05	132.17	30989000
0.0015114	90.653	3140400
5.49E-06	122.49	7824500
0.00027568	85.231	1259400
1.22E-15	113.64	7944500
1.20E-05	107.63	14729000

0.032835	44.968	2177900
0.028832	51.436	423000
0.053894	43.914	852630
0.023934	47.621	1096300
0.025947	50.284	209780
0.0035857	66.262	10595000
0.0015364	96.948	33743000
0.0051691	77.058	0
1.67E-11	163.9	307520000
0.00019084	108.72	18549000
0.00013155	98.676	16818000
0.003067	86.882	790120
0.022442	45.342	4483200
0.043152	46.462	317200
0.00257	58.693	8960800
1.19E-05	69.201	4997000
0.02712	53.567	6027600
0.00043678	67.866	550800
8.92E-06	120.84	2696900
0.019724	50.222	235750
1.39E-11	111.84	12476000
1.03E-06	77.079	5595100
0.00050177	58.184	800440
0.00089771	64.422	4475700
0.012574	47.499	653540
1.88E-06	72.726	28982000
0.0095765	61.657	294740
0.05236	42.336	887900
0.024879	76.774	1511000
0.0024349	90.601	14445000
0.00027142	85.176	4801700
0.0016586	69.314	1094000
5.93E-28	171.15	11345000
0.026567	43.184	458680
0.004017	89.663	0
0.014047	47.68	967240
0.030359	62.659	5321400
1.18E-23	158.75	223140000
0.030257	46.704	1492900
0.0035026	99.802	673960
0.011343	44.05	1179600
0.00059561	71.286	3460100
9.58E-09	139.34	2646400
0.030624	85.161	6658400
0.016226	58.37	823000
0.0018519	85.355	490780
0.00013159	107.07	41357000
0.00014674	110.38	3220300
1.23E-73	220.37	25838000
1.19E-05	105.66	87313000

0.0087564	53.038	296470
0.00041221	71.969	50488000
6.64E-11	104.97	34840000
0.04209	42.209	805150
1.70E-26	119.61	40778000
0.018431	74.464	989090
0.00042286	71.685	3540900
0.0017727	58.49	1169500
0.00076657	77.279	13280000
1.17E-17	162.93	97638000
0.00014446	97.86	2471500
5.66E-14	150.57	33361000
2.80E-12	143.57	29757000
0.022731	46.797	199230
0.034181	50.632	315660
0.0046532	99.815	0
0.0062532	100.69	0
9.33E-06	133.47	29032000
0.00092559	50.14	2458600
0.0076226	62.466	2574000
7.40E-05	100.19	1877000
4.57E-06	119.77	1782300
0.023874	45.115	349120
0.050727	44.318	322990
0.018676	54.982	564780
0.030075	43.297	548910
2.78E-19	166.69	18623000
1.33E-10	117.4	6594100
5.69E-09	135.21	21157000
0.0306	68.016	1002100
0.008384	84.213	0
0.0032728	85.67	14738000
0.00040288	78.69	6965900
0.012093	54.343	1001800
0.0041921	79.07	154290
3.01E-05	104.44	2618000
0.0024588	66.215	2170000
2.38E-08	106.42	21735000
0.0002439	89.46	11890000
0.006303	98.439	0
1.23E-07	76.161	16311000
0.0081062	63.473	3327500
0.00036862	111.79	12058000
0.0003968	81.703	1971900
4.26E-06	99.409	1752600
5.41E-05	99.011	47072000
1.14E-05	116.04	7539900
6.34E-09	139.86	18479000
7.03E-05	83.395	2557800
0.0069849	119.17	643570

0.0020005	55.707	5592400
0.029331	44.246	352080
0.0020444	92.866	17335000
0.014419	74.841	0
0.0061126	94.662	0
3.09E-09	114.92	3858400
0.0031609	59.502	2339400
5.43E-10	146.2	12216000
4.95E-09	147.28	10392000
0.00015105	134.48	13362000
0.002071	69.92	1724500
0.0029559	65.179	487680
0.0057729	68.626	874260
8.18E-05	99.069	8232000
1.18E-21	151.64	3170800
8.41E-06	112.5	2592200
0.0016807	69.229	1675300
8.54E-22	150.61	6147000
5.72E-05	107.13	10922000
0.00042824	77.726	1631800
0.047776	42.809	1795700
7.41E-07	106.39	7282300
0.005907	55.864	10326000
1.53E-17	155.24	125370000
1.36E-06	123.01	2437900
0.0085296	47.68	362270
0.020066	56.258	2979000
0.0036207	105.57	17482000
0.00015258	81.884	4896800
0.00049396	81.904	608420
4.08E-06	103.73	8942500
0.0020799	86.344	2227700
1.33E-07	141.88	8869200
0.00056626	76.378	12477000
8.58E-31	188.87	23539000
0.003236	53.453	2025200
4.83E-15	151.03	12037000
0.0098478	53.395	4356100
0.038443	57.034	0
9.41E-06	119.51	3914400
3.68E-06	120.77	15453000
0.0077735	62.166	736820
1.60E-09	136.52	815300
2.22E-05	117.01	4238200
0.00013735	92.935	517640
4.66E-11	119.38	46487000
5.15E-05	80.002	19094000
0.0062084	63.864	1404700
0.014854	67.385	0
6.26E-05	76.614	3570500

6.87E-06	120.24	1781200
0.0020401	53.454	2324800
0.011989	71.451	1138700
7.57E-89	231.17	36849000
8.74E-05	62.193	10594000
0.015996	53.211	2249800
3.73E-05	98.508	9388700
0.042431	41.092	1763800
7.86E-05	112.24	5248900
0.0046669	58.079	2534100
0.0019046	51.526	1269000
0.0079103	53.21	2815000
0.0019847	79.036	2863200
0.00019894	67.877	336520
4.68E-56	183.09	65446000
0.0032843	51.321	3601300
6.04E-09	142.39	14411000
1.20E-08	143.79	47572000
0.02118	67.207	0
0.00019741	95.477	8213800
1.67E-18	133.74	5794400
0.0065867	50.392	1005800
0.001061	121.09	10900000
0.010877	63.076	323240
0.024129	43.261	983680
0.0027557	79.511	862780
0.044439	43.534	1600000
6.46E-05	95.414	3755100
4.75E-10	137.69	42083000
0.0021615	73.809	3940400
8.03E-06	120.56	8856100
0.036188	81.297	3899100
0.050084	72.234	919840
1.38E-08	130.01	11384000
1.83E-10	119.45	3576600
1.09E-05	67.285	2786600
9.85E-08	96.303	7032700
0.0012538	111.82	6816000
0.0035831	70.68	9094000
0.0013233	105.1	21145000
1.03E-08	139.86	14586000
4.89E-06	98.684	15634000
4.36E-11	124.45	7923600
6.46E-29	162.43	304310000
1.10E-11	113.52	11420000
0.01048	69.864	214110
0.00014596	64.767	6454700
0.0047278	72.006	2535000
5.74E-08	94.08	3355300
7.09E-05	94.384	1071100

1.00E-12	144.75	5863000
7.61E-05	100.68	4783000
7.83E-06	112.84	17604000
0.0012109	57.986	2645500
6.62E-13	101.08	7802000
0.0029731	72.2	870900
0.010112	49.988	1134100
0.0017121	61.757	1994000
0.00014883	117.23	11231000
3.85E-56	197.67	19027000
2.41E-05	115.57	2566300
0.00047833	74.618	7066200
0.00036062	82.925	3239500
0.0011557	69.594	1147700
0.0014889	75.89	2421600
2.02E-05	108.23	38616000
3.37E-11	150.51	12844000
6.81E-05	94.845	3370900
7.26E-07	115.91	2096400
0.00036008	80.859	969110
0.021667	50.786	190460
3.35E-15	104.79	542410
1.29E-05	109.84	9226300
1.35E-07	81.133	26056000
0.01926	54.343	1568000
5.05E-07	90.978	7973600
0.01944	64.439	563620
0.019393	58.604	2077900
0.0042971	63.16	5816200
0.00015586	91.845	7320500
0.0088794	52.887	2778100
0.017135	65.528	0
9.40E-18	154.26	20044000
0.0079676	48.656	3838700
5.35E-18	126.32	3400600
0.00029559	99.732	22582000
1.39E-06	107.65	3850800
5.04E-12	94.721	35357000
0.0045073	70.977	6168800
0.00033642	71.535	2083300
4.52E-05	112.03	2127900
0.0054582	74.301	1422000
1.95E-05	122.46	1991500
2.45E-15	119.34	10524000
0.00059478	62.19	2020600
0.00062525	61.096	304550
0.0085716	47.082	1097000
0.001408	66.059	147910
0.01019	46.569	619690
0.0016174	55.127	441790

0.00047687	91.937	937110
0.004554	58.885	1217200
5.19E-06	119.03	1396600
6.50E-05	101.9	8286100
1.98E-05	96.777	6511700
5.08E-05	67.778	3890700
0.0077837	54.237	2510900
0.0084667	53.395	1015200
0.00085377	87.298	3157400
5.71E-07	89.08	3880600
1.24E-05	90.884	7276600
2.51E-11	160.82	25339000
0.00026177	105.2	29855000
0.050162	49.482	2252300
0.0016391	96.331	1525000
4.67E-07	114.56	10809000
0.010071	56.139	531600
2.90E-09	135.29	7099600
0.0085405	60.641	3157300
0.0070992	69.598	18134000
0.024555	71.451	3676700
0.00091557	96.015	5069000
0.022298	68.485	3554600
4.30E-06	71.604	888290
1.83E-23	104.29	55419000
0.031611	42.716	1335500
6.92E-07	74.627	2162600
0.012369	44.468	423620
0.00027043	80.596	5352200
3.95E-05	105.19	2882200
0.03692	76.143	0
0.00037051	81.356	8658500
0.013888	79.148	958610
0.0097397	50.787	1507700
0.00011415	65.736	8414000
0.00027638	85.203	6199400
0.00073135	89.403	8607400
0.00013341	104.26	6060400
0.00069671	76.311	2287600
0.0027223	59.182	3423800
0.0038217	60.937	1309300
1.80E-28	180.11	3312100
1.79E-16	158.92	7319300
4.44E-19	161.21	17667000
0.0038446	64.534	2826500
0.0014639	55.734	995620
5.54E-06	127.17	1290500
2.02E-05	108.23	8021400
1.47E-10	116.45	2992800
0.00065559	70.98	2339000

0.0042273	69.216	4279400
0.0004341	73.138	1331800
0.028962	41.485	8606300
4.30E-64	209.53	147010000
3.25E-10	139.12	10551000
0.0013905	69.081	4277300
0.00097788	77.597	556820
4.54E-06	84.214	2731200
0.00038664	78.088	6327800
0.0076345	54.811	743020
3.81E-05	109.72	37405000
0.00074026	89.663	250300
6.44E-139	251.91	36856000
1.49E-46	198.97	41317000
5.43E-05	102.08	2539500
7.64E-05	108.47	2976000
0.010646	92.439	1385400
0.028171	57.366	0
1.29E-13	147.64	34906000
0.019326	55.452	998910
0.011065	58.674	1083200
0.005484	74.173	3117700
0.030004	41.871	738030
1.55E-20	159.64	31509000
0.0080156	68.016	1887500
0.0007209	131.62	12429000
0.018621	63.816	1960900
0.0017021	86.882	57445000
0.0095108	67.326	989100
1.79E-05	139.15	8525900
1.99E-06	133.88	33044000
0.020058	58.01	1871600
1.45E-52	198.48	21290000
0.0021491	100.25	2955500
0.032904	45.653	491560
0.0051369	57.499	675870
0.00010656	59.65	5923800
0.00099491	77.42	3575300
0.0021613	56.488	8251700
4.22E-05	103.39	53330000
8.85E-10	114.37	1583400
0.00012212	80.752	4718700
0.041772	60.828	149840
1.68E-95	228.62	13743000
4.81E-79	222.73	54374000
0.013094	50.207	1143200
1.22E-16	169.58	5164100
0.00025077	88.552	1019900
0.024288	49.28	1132800
0.028086	45.28	6502600

0.012425	49.988	1422200
4.38E-13	151.66	12833000
8.91E-06	69.913	13248000
0.00012786	100.04	1585900
9.37E-06	113.24	9196100
1.69E-19	160.56	152550000
0.00013768	111.52	7335800
0.0074549	62.799	2798400
0.0093113	67.879	1118400
0.018005	57.009	2117100
0.010533	68.371	9137200
0.00021029	100.48	15765000
0.01443	52.265	974450
0.00014497	85.203	3323200
2.85E-22	155.49	9753000
0.0010121	64.2	6298500
9.48E-05	106.29	1561000
0.00055492	96.866	830130
0.041055	45.879	538080
2.24E-09	147.26	49861000
4.10E-09	132.9	5086700
0.030522	60.401	0
6.83E-22	169.99	4841300
0.00014621	92.265	2439100
3.66E-05	100.02	5763500
0.0032053	81.017	2819300
5.35E-38	202.05	3574000
6.37E-09	113.63	5873600
0.012149	59.198	2145500
0.0032196	59.862	1814300
3.13E-184	259.58	89053000
8.99E-45	171.94	37226000
1.10E-21	113.04	67241000
1.92E-16	97.366	11309000
0.049624	55.721	1485400
3.12E-10	86.449	1451100
0.038376	40.493	1089200
5.81E-16	166.7	9048800
0.0096855	56.482	2029900
0.0080644	65.295	780840
0.0067273	67.726	709490
0.00032018	80.975	5868200
4.37E-05	97.214	19548000
0.0034581	60.528	1868800
0.0034304	84.743	3099700
0.000306	80.545	2866300
0.018403	41.482	1391200
0.024895	53.448	2517300
0.001049	68.972	122110
7.04E-11	115.84	27684000

2.15E-06	102.94	4167100
1.25E-05	69.292	12162000
8.17E-12	113.67	52206000
0.00029976	82.663	1943300
0.043379	41.825	1394400
0.0077518	59.116	239110
9.54E-11	86.076	17867000
4.56E-27	116.19	31632000
3.65E-06	132.51	235760000
2.15E-06	72.22	3484700
0.025886	57.281	0
7.43E-05	98.654	4842700
0.0013263	81.311	1691000
0.040114	50.158	222920
1.22E-06	104.03	5416800
6.53E-05	84.166	16119000
0.00038581	88.021	8920000
0.013852	42.705	11303000
9.27E-05	68.689	4029900
4.55E-07	117.55	2489800
1.19E-76	208.08	63683000
4.71E-08	141.88	5399400
9.88E-18	176.09	14398000
0.022691	68.626	3165600
0.01978	54.005	1241500
0.00042306	85.42	1984900
2.04E-05	102.69	103440000
0.011522	41.908	818130
0.007911	64.654	616220
0.0020808	58.997	1010700
2.72E-28	176.43	150700000
0.0037461	48.958	812150
0.0046039	47.018	1039300
9.01E-06	101.23	16100000
0.010961	51.643	164200
0.0099306	51.591	78451
0.00041293	72.583	870490
0.0011214	66.201	14707000
4.01E-44	186.74	367220000
3.79E-06	100.76	4257800
0.0013194	70.628	2826800
0.042596	47.242	89488
0.012643	64.249	0
2.85E-05	69.537	12140000
0.00062608	80.96	1961900
2.10E-05	115	5455300
4.18E-22	174.23	269840000
0.00072221	89.561	3890200
1.56E-06	134.68	4912900
6.62E-05	134.25	1323600

1.44E-05	119.22	11214000
0.021979	42.172	374870
0.0034451	75.652	11010000
0.052819	67.563	0
1.81E-05	106.79	19639000
0.0089653	86.011	1705500
1.20E-08	111.66	2150900
0.0002428	86.573	27567000
0.0086486	63.283	520880
4.62E-07	136.7	38381000
5.79E-05	99.834	57543000
0.01399	63.754	1013200
2.84E-35	187.58	293500000
0	336.92	188560000
6.58E-08	128.85	15733000
5.79E-06	110.55	54047000
0.00033546	89.356	3802900
0.0022061	59.983	6143700
0.0014606	103.55	8669900
4.91E-69	194.52	12463000
3.41E-57	202.35	30258000
0.014865	44.341	1765800
0.036113	69.423	2649600
1.67E-05	68.552	2194200
0.00036733	82.259	2820900
0.0031039	49.125	1598500
0.015006	54.005	1723600
0.0020829	83	727860
2.86E-06	119.25	28356000
2.78E-11	152	196160000
0.01274	51.726	635820
3.34E-06	122.34	13827000
0.001734	65.477	3280700
0.00095047	97.431	6477500
0.0090618	79.986	558360
6.69E-06	132.86	29420000
0.050532	52.693	0
0.00017543	110.54	29606000
0.0047062	61.52	1934000
1.53E-20	163.34	33111000
0.0052616	93.429	2119400
5.13E-05	95.666	4219300
3.81E-06	99.93	5251500
0.0034522	84.615	109800000
0.0032136	53.718	4678800
0.00044898	89.266	10495000
0.00017553	90.725	11541000
1.05E-05	112.02	6297600
3.28E-66	213.8	50758000
0.0002497	87.498	1752300

0.0094591	52.172	1556700
0.016953	61.679	3663600
3.21E-126	250.7	4241000
0.030009	71.692	106080
0.0068313	60.691	513610
0.0092499	62.166	775230
6.22E-06	126.12	247910000
0.00037601	89.561	5308900
5.38E-07	85.185	7894900
0.00049887	74.428	2419500
1.06E-17	153.68	24564000
0.00077177	80.69	2540100
6.51E-21	169.4	76591000
0.009203	74.853	0
0.0030802	75.479	1473200
1.72E-10	119.01	6661200
0.0009145	96.034	7249700
0.0081412	61.435	739010
7.67E-07	83.059	50574000
0.046601	55.084	0
0.0061868	44.05	5065300
0.015598	55.314	1689300
8.34E-06	134.61	13318000
1.01E-05	71.308	1236700
3.85E-18	128.52	2994100
0.00034487	81.128	1266700
0.00043275	87.667	4720800
0.0003963	92.239	25718000
0.002116	82.651	3942700
4.06E-05	123.75	3366500
0.040044	41.825	3212500
3.80E-07	120.92	12630000
0.00048111	73.688	4814500
8.33E-15	128.58	5265000
0.00022299	93.839	5508700
0.033087	43.042	2747000
1.64E-05	126.66	9222900
0.00015661	91.812	1535000
0.00028906	114.5	1474700
6.80E-05	100.45	8971900
7.46E-37	159.19	70357000
7.69E-07	76.133	2387400
0.01013	59.367	147850
1.71E-53	172.2	8025500
0.00039277	98.754	2806700
1.68E-14	150.37	97537000
0.0089181	62.104	1974400
0.0011229	87.138	14481000
1.96E-09	134.58	56081000
0.024613	53.756	121720

2.36E-05	99.273	42272000
0.01653	48.372	964890
3.66E-19	165.66	7745400
0.02633	43.955	1065400
0.00010836	97.463	26976000
1.68E-22	140.59	4033900
3.07E-06	80.061	1415700
0.0021642	62.68	4803700
0.00020725	84.41	4126700
0.0001209	100.38	964050
0.0071246	55.98	631600
8.24E-187	278.64	363860000
3.35E-14	149.97	41602000
4.36E-18	126.3	124620000
0.0018235	48.759	5908800
3.07E-06	127.3	4464900
0.032426	46.069	1444400
2.43E-08	99.957	3111600
0.000781	79.639	3113500
0.014585	54.343	622100
5.75E-05	100.54	17923000
0.0045589	80.239	26759000
0.0007606	67.43	1525600
0.0017295	71.402	5313100
0.022674	44.539	2503300
0.00036524	88.224	2324500
0.024815	49.189	123150
2.07E-12	163.32	175350
0.00011179	95.981	942020
0.00010307	95.428	4341900
0.001019	120.07	3394000
2.86E-07	132.25	929150
0.0025601	86.727	0
0.018795	70.17	1000600
2.45E-10	115.88	4432500
0.00023009	60.939	2296500
0.0071903	85.881	0
2.25E-49	189.11	1000300000
4.55E-14	154.36	31727000
0.025678	62.528	0
1.78E-27	153.34	83679000
0.015697	77.282	1540900
0.0066041	61.213	205900
0.0032869	63.944	1863400
1.38E-24	166.6	142000000
0.00074701	62.203	13301000
8.28E-07	114.55	37527000
1.11E-09	136.43	113790000
0.0013329	71.143	6152500
4.22E-05	103.39	14745000

0.016747	94.262	8241500
3.84E-08	93.966	42520000
0.00024412	86.756	2213300
0.0030614	59.634	1141200
1.13E-19	167.73	31927000
0.0002859	64.26	3498100
0.036755	51.854	4324900
0.00034543	77.746	3685300
0.0041503	72.006	2521000
0.00028469	104.07	6319200
0.00011193	101.38	35505000
1.00E-10	153.97	211160000
6.36E-05	118.31	12285000
0.0415	44.299	190500
0.00080809	76.574	5649200
0.00011843	118.9	9192400
0.010091	71.877	384580
0.002236	62.916	6856500
1.24E-05	110.15	1033400
1.29E-05	104.9	13883000
0.00081335	97.734	1720200
0.0070743	59.57	541910
3.73E-118	253.26	23365000
0.027413	54.471	1115100
7.50E-28	180.24	13813000
0.00034684	117.7	25846000
0.00067267	73.802	1735200
0.019341	69.954	243320
0.04299	63.426	859310
0.00010123	97.904	3842500
0.0001788	90.453	1805500
9.53E-05	115.12	26636000
4.05E-10	87.352	1800400
1.55E-08	137.21	1382900
0.0044139	79.489	33522000
0.028121	52.612	2217900
0.041038	61.353	726810
0.018237	44.441	958430
6.45E-08	126.71	8056500
1.27E-05	123.54	9004100
0.014217	51.798	912480
0.00028356	120.03	34777000
2.16E-49	189.47	525790000
3.11E-08	89.622	36644000
0.026159	60.489	0
0.029142	46.069	2526100
0.00073116	84.169	4629800
0.0014381	84.289	7296200
0.00077095	77.204	3343900
8.82E-27	119.61	22043000

0.0040182	51.758	5400900
0.0030487	60.307	7088000
0.00073935	89.266	540630
0.053377	52.318	0
0.0016491	67.326	2937200
0.046984	53.597	0
0.034631	73.841	0
1.08E-12	101.76	6509700
0.002698	50.851	2631700
6.48E-86	211.92	13444000
0.03138	67.563	112070
1.35E-05	105.19	6339100
0.043571	60.436	368730
0.00012398	93.494	1063700
8.62E-71	197.86	31481000
0.00053867	72.662	5379400
0.0095718	78.113	1204100
0.009519	48.053	572060
0.00027212	78.057	604460
0.0038039	55.707	592610
0.04525	68.355	0
0.051026	80.688	522080
0.0047363	70.552	1004900
3.60E-05	104.09	1570900
0.0042985	45.042	1893700
0.024154	60.474	0
1.90E-29	177.93	188760000
3.01E-45	152.64	81177000
0.00027519	82.774	936730
0.00050201	78.69	20804000
3.47E-21	106.33	7803100
1.17E-43	182.91	72160000
3.58E-09	138.05	7882200
8.72E-06	119.38	4357700
0.025368	47.288	239610
8.08E-05	99.881	4058400
0.0013762	73.466	1173100
0.002258	69.352	1943200
0.00033869	78.225	2250100
0.00013032	110.86	4713000
1.51E-11	164.46	28997000
0.0058377	57.434	2900800
4.19E-05	90.896	1405500
7.90E-06	119.62	2591400
0.0089824	57.106	1213000
0.00077083	79.744	24014000
6.71E-05	66.294	2166100
1.78E-22	155.11	319390000
4.39E-11	122.87	18586000
0.036856	81.191	5898200

0.0026052	82.379	638050
0.011888	54.524	927120
0.033255	64.439	177210
4.22E-11	132.91	0
2.54E-06	120.6	13056000
0.00011191	116.74	0
0.00079514	79.492	7909000
1.84E-05	62.237	4205300
0.018904	82.749	11979000
0.00013131	92.38	9259000
0.013272	46.133	1203200
8.66E-05	97.273	36149000
1.03E-05	70.704	647360
0.0014755	83.617	1628700
0.00022737	88.73	8878500
0.037625	42.568	1336500
2.87E-08	99.185	1937400
0.00059389	80.17	64695000
1.04E-05	122.55	35022000
5.42E-05	100.18	2186000
0.0030893	71.555	7677500
0.00030416	99.568	5548600
0.00042791	73.783	3127200
4.93E-07	117.65	33983000
0.046916	41.825	1777200
0.00036523	76.341	3918700
1.84E-09	113.36	3926400
0.021135	46.318	100020
0.00061763	66.874	537600
0.0003501	87.498	1186100
0.0020426	53.444	2333800
2.70E-05	105.65	14437000
0.0025574	46.862	1720100
0.002371	75.589	1273700
0.0026966	72.927	0
0.0062855	67.93	414150
0.00094131	69.522	9959000
0.0029464	75.479	632640
2.23E-05	117.25	37025000
0.00075003	131.22	14688000
0.00051232	70.783	3013800
9.27E-15	148.97	17897000
2.80E-25	186.76	10368000
2.16E-22	143.17	8433100
2.15E-16	112.62	9039100
0.023519	42.618	4131800
0.0014656	103.7	10718000
0.00013939	93.649	3728600
1.56E-05	109.84	4989000
1.07E-23	147.91	105290000

5.23E-06	80.83	13983000
5.48E-08	94.542	8958300
0.00020123	109.42	1018500
4.79E-05	101.62	5353400
0.0056305	78.342	2376800
4.40E-05	98.796	1951800
8.68E-06	69.427	20233000
1.07E-08	147.58	5365500
0.00014744	92.952	6866600
6.26E-05	100.11	7399200
0.001309	67.646	774450
1.82E-05	66.587	4393700
0.039634	50.077	5770000
0.0025309	73.927	634960
0.0032506	81.017	1139400
1.89E-29	167.53	7053400
6.45E-05	68.368	5124600
0.0006582	65.951	581460
4.70E-05	64.315	15754000
1.62E-13	152.11	204560000
0.013297	57.019	1206400
0.00051852	65.184	3116000
0.00092159	74.649	239140
0.0014475	66.939	3613900
0.00096035	111.86	8367800
0.027705	42.708	12257000
0.0068275	52.318	1485700
0.0025764	81.771	2101300
0.013626	50.843	1706500
0.0039451	73.067	5030100
6.25E-09	112.32	1708200
0.00029987	131.62	22482000
0.00054485	92.611	3427400
5.87E-47	132.75	12045000
1.64E-13	140.08	9301400
0.0024232	79.23	2099600
2.10E-11	122.47	9922600
6.06E-07	133.86	23224000
3.37E-13	136.81	7244200
5.50E-08	105.91	7334200
0.00081511	66.874	2442400
1.26E-05	126.19	4928400
0.00030456	76.068	4358700
0.030663	67.993	332790
0.00026819	78.456	1166900
0.012849	80.219	1595900
0.00013155	109.42	5237800
0.0019957	62.813	178740
0.028226	54.812	498220
0.031096	60.901	0

0.00033214	78.69	6801900
0.010294	56.514	1163700
0.04024	41.513	542010
0.00011777	94.09	1124800
1.88E-10	118.32	30131000
0.011045	50.897	427170
0.006673	48.244	293160
0.011929	63.76	1113500
0.019145	44.752	10568000
0.0067067	83.137	0
0.017148	53.967	235030
0.011465	133.13	2649300
4.08E-14	152.94	5950400
7.61E-05	68.489	21820000
0.00035283	78.021	504650
3.04E-05	122.16	7380800
2.44E-06	130.27	7167700
2.75E-06	119.69	12616000
0.00073884	61.276	3936500
7.97E-49	182.15	23435000
0.012718	44.312	1602900
1.07E-15	123.2	10871000
0.00070803	89.805	5973200
0.0061149	55.589	1190900
0.00024697	121.73	818150
0.0007401	69.069	8592300
0.00097199	65.652	5633400
0.0043457	64.394	6313800
9.71E-09	140.33	32232000
0.026033	61.409	0
3.87E-19	178.54	1055200000
0.01675	44.415	254020
0.00096706	73.877	6876000
0.0004642	59.282	1516800
0.017289	43.233	1717500
0.018906	49.12	238060
0.0002668	70.99	3066900
0.0010126	113.71	10934000
1.79E-35	163.78	8648400
8.13E-07	134.82	18404000
8.97E-14	149.82	104600000
0.0044038	75.387	2419400
0.0022434	72.496	1611600
9.54E-14	158.01	61926000
3.53E-05	115.12	13679000
0.028603	47.189	899040
0.001582	48.607	873040
0.00075195	71.531	323690
9.86E-05	143.73	53512000
3.29E-06	131.5	0

0.00079718	76.759	1765100
1.13E-05	121.83	34347000
0.004631	68.809	3803900
0.050884	71.692	341090
0.002482	83.045	571500
6.80E-05	100.45	4817900
0.010118	69.379	0
0.0011264	69.729	13136000
0.00060378	93.839	1379400
0.00026376	85.619	10750000
4.86E-18	127.3	12820000
3.81E-05	104.94	5270400
0.0084993	77.282	3502800
0.0084889	77.318	6543500
0.012936	89.752	20535000
6.88E-05	105.36	15180000
5.00E-10	147.96	15711000
0.002218	62.203	526200
0.036586	57.288	0
0.00022379	87.932	2396300
0.0019507	98.943	4503800
1.46E-05	114.21	1604800
0.0042273	69.216	3014800
0.0092975	52.372	2855100
3.01E-13	133.38	1461500
0.0004226	54.466	4924200
0.00014259	93.342	3485200
9.34E-08	140.91	98570000
2.54E-06	79.935	1918600
5.97E-05	115.29	12619000
0.0015274	73.722	1586700
4.22E-38	167.32	10906000
0.0018492	64.89	4713300
0.0033593	70.942	10834000
0.0042925	52.731	6550400
0.00014674	110.38	7228100
0.00013939	93.649	19946000
9.69E-07	114.28	8348500
0.016747	94.262	1807300
0.001325	103.85	0
1.39E-06	70.983	2233300
0.00089277	117.01	11811000
0.0078244	58.071	4118700
0.00054067	68.625	3022800
0.018353	70.399	0
7.04E-14	148.52	3149600
0.0094518	45.305	12419000
0.028064	58.577	0
0.00063658	72.662	37887000
0.024622	45.14	831060

0.00013744	93.909	13127000
0.00038946	86.288	11893000
0.0023963	81.713	0
1.33E-05	110.77	13422000
0.0085279	54.393	982000
0.00045896	85.536	1054100
7.28E-07	126.25	10674000
0.00045752	73.11	1415800
0.0033987	54.857	358950
0.039361	50.607	2135700
0.00034256	78.95	421750
0.039521	64.711	294810
0.0010516	63.691	14278000
4.74E-11	119.25	17028000
0.044171	42.629	1931200
0.028155	44.587	1362400
3.17E-37	174.21	3506600
1.42E-29	178.67	45084000
0.004865	59.434	893330
1.20E-10	152.97	33980000
0.0023641	69.03	493800
0.0027378	88.819	2950400
5.44E-05	111.06	53106000
0.00069374	90.05	3312800
0.049614	44.847	480390
8.10E-09	111.44	14188000
4.24E-10	83.236	4123300
0.025768	56.482	569620
0.02012	51.875	739160
0.007644	52.254	1266600
0.00011937	96.591	2659100
3.52E-30	178.14	41560000
0.0020145	86.624	7026400
0.0073873	65.627	322070
0.00044432	76.85	1074600
0.0029315	81.676	6282600
0.0030503	76.868	345710
0.01975	56.432	2590700
0.039427	56.139	0
0.015674	55.258	1203000
4.72E-05	105.53	12517000
0.00025551	88.486	2835600
9.94E-05	95.854	9964200
7.34E-05	105.53	7032900
1.65E-05	130.64	17460000
1.87E-12	112.74	19523000
4.29E-07	75.226	3626700
0.010898	49.463	2364000
0.0014176	57.745	1541100
0.035683	40.616	1179700

1.02E-05	134.04	24365000
0.0011852	71.143	2320600
0.00062366	71.143	5925500
0.039809	45.915	2121200
0.034219	46.406	6827900
0.00038714	74.786	803180
0.00010278	96.489	3310100
0.00077095	77.204	940210
1.33E-15	141.31	75838000
0.00050372	68.168	7670600
1.85E-10	118.44	14684000
0.0096236	58.32	1787200
0.00062895	58.137	575760
4.58E-05	68.284	2366200
0.010016	93.178	4699000
2.23E-08	99.414	7601300
0.039637	40.941	1266600
0.00026231	84.581	3406900
0.017312	43.175	1775300
1.11E-05	67.33	3223700
1.75E-06	131.17	21711000
0.0046973	58.723	533320
0.0054562	93.143	4265700
0.0033963	65.895	1558700
0.0091491	49.463	200760
0.010365	54.09	2179600
0.0081159	54.859	4923600
9.58E-05	98.508	3818400
0.00029768	90.793	5330300
3.33E-06	127.75	5140200
0.0041138	51.348	278310
0.0066045	50.358	245330
0.00025627	107.03	23560000
8.33E-07	101	8958600
0.00039277	98.754	288840
2.68E-05	101.62	11781000
0.00017376	110.74	93891000
0.0092611	53.565	3652600
0.00043006	53.262	267640
1.62E-37	174.91	17586000
0.00040641	76.027	2811200
1.27E-05	99.569	2713000
0.028363	54.768	708280
0.0040899	66.989	1152000
0.015562	45.784	188210
0.0063403	70.908	1370500
0.00020841	91.858	4270200
0.00031808	66.906	3240400
3.19E-05	133.93	26445000
0.02058	49.188	532390

0.0011198	93.821	2286300
5.22E-18	130.14	1597800
6.47E-05	103.97	20465000
0.0015606	58.158	2902000
0.0011197	122.52	7044400
0.0022457	76.24	1848200
0.012242	57.802	3177900
2.64E-05	139.31	8223500
4.13E-11	123.54	28817000
0.023424	60.167	0
0.00089244	60.621	1102600
0.00014256	92.633	48543000
0.0001461	110.93	32565000
0.033279	54.281	913180
0.00098601	108.43	6309500
0.001851	73.466	815930
0.010789	50.534	1320700
0.051101	64.265	410150
0.055482	43.651	1088800
2.45E-37	167.32	36292000
0.0048763	77.192	3691000
3.60E-12	163.38	13221000
0.00044728	80.96	1212200
9.95E-13	151.3	25266000
0.00090219	78.508	1537800
6.37E-21	122.68	5359000
0.00024413	101.53	9812400
0.039803	44.045	1032700
0.0057966	54.412	928240
0.00017232	121.56	5309900
0.018234	48.527	487800
0.00024823	85.636	1533500
0.013431	47.904	1501300
8.10E-13	150.51	87164000
1.64E-05	117.52	14470000
6.09E-09	139.77	4384700
0.00019464	122.39	60498000
1.18E-08	102.19	4545900
0.001196	59.182	1824600
3.56E-06	99.078	6983500
5.77E-08	94.019	2642600
8.24E-06	82.302	1029400
0.00034457	114.21	5468400
0.0011929	89.624	10781000
0.01008	75.764	2444700
7.14E-07	149.4	15049000
0.0011038	71.558	2961300
3.71E-11	124.73	7320200
3.71E-06	133.14	7229000
0.0014764	60.541	1687800

0.00098263	84.403	12901000
2.24E-05	94.313	9955900
0.00026694	91.961	2077900
0.0034871	78.488	342520
1.92E-05	112.84	2731800
0.0052649	67.153	1406800
1.08E-05	111.12	907500
1.68E-06	131.35	25915000
0.0014474	103.88	2555700
0.0042065	103.56	4304900
0.02228	48.115	6329700
0.0002459	89.46	6184600
0.00066313	107.57	7204800
0.0087384	105.39	5050100
0.033646	43.791	4714600
8.82E-05	99.344	470080
3.00E-06	98.887	4377700
1.56E-24	163.11	62776000
0.00064862	62.792	3015500
0.0015856	78.326	2916100
0.0073343	64.82	2791700
0.03799	64.04	0
5.97E-05	119.77	768040
3.71E-05	103.11	21313000
0.00023964	96.059	28477000
4.76E-140	266.93	455300000
5.36E-05	115.37	24566000
0.0046595	91.812	1476200
0.0095774	49.482	1179000
0.0023832	62.165	745820
7.85E-06	141.08	4950000
0.0036349	68.034	866580
7.56E-05	111.7	7259300
0.00014751	59.918	4384400
0.0019119	87.618	508560
1.11E-15	163.71	135350000
0.0020402	81.311	44158000
0.00047076	87.447	41353000
0.0038863	67.456	160160
0.00024505	85.176	3251300
0.036458	45.992	777730
0.00049271	93.839	10853000
0.00041088	85.496	15356000
0.00041147	86.467	3249000
8.66E-05	128.51	5271900
0.00912	62.408	1645200
0.00031233	112.67	3887500
0.0010593	57.432	6356400
0.0053381	64.121	1193900
0.00014574	131.52	4997700

0.00028045	84.653	3078600
2.22E-05	111.79	2751700
2.27E-13	149.35	9948100
0.0073078	65.105	1725100
3.85E-05	76.237	0
0.040405	54.343	0
0.033374	46.985	833850
2.55E-08	142.1	50032000
0.0068933	69.954	7894900
7.92E-08	129.16	5415700
0.011261	64.439	547020
0.049279	40.066	4665000
0.00013212	93.237	1147100
9.27E-05	96.489	5298000
0.003064	69.346	1030400
0.002917	61.495	2345400
0.011137	57.106	513120
8.92E-05	83.039	4326400
1.61E-06	104.89	1833100
0.0039845	51.688	795530
0.021486	50.95	3125200
6.26E-05	109.35	28082000
3.22E-05	113.69	5979500
3.73E-06	134.75	445620000
0.00033623	83.229	2045100
5.35E-05	107.62	50544000
0.018518	55.084	1329900
0.050326	65.719	0
0.0080195	63.624	383660
1.04E-20	164.65	17146000
5.44E-12	143.4	72834000
2.21E-07	125.28	17802000
5.68E-05	99.941	2084800
5.74E-05	117.93	4016400
1.06E-06	133.48	5791500
2.06E-10	132.86	18134000
8.22E-09	147.58	8580900
0.00023243	113.62	212650000
0.016206	94.662	12139000
0.0082112	87.308	2184100
1.05E-26	171.62	19289000
0.0095532	54.898	637120
3.50E-05	106.58	51736000
4.45E-82	229.68	289470000
4.17E-67	223.31	57763000
0.00039501	98.156	18286000
0.00029569	131.62	2001800
0.0022045	83.226	232350
0.018192	49.333	634660
6.82E-05	100.43	1187900

0.016422	66.436	0
2.76E-05	101.5	1186400
0.002084	97.635	5979000
5.38E-08	94.72	2008900
0.00037326	96.135	1059800
0.0020419	98.048	1460700
3.69E-06	108.71	2087600
0.031243	60.161	0
0.0044042	96.668	1764900
1.16E-63	203.11	13883000
3.52E-179	270.93	67400000
0.028971	41.482	2543000
0.00051075	81.619	8163600
0.00052181	96.707	1783800
0.0017072	79.23	1811000
2.56E-06	120.53	13694000
3.19E-08	141.37	82943000
0.000876	90.853	3854400
0.00024453	66.045	231700
6.70E-13	151.98	70060000
1.29E-08	145.91	6971100
1.82E-40	192.44	178120000
2.03E-63	206.66	12427000
0.0017181	54.728	453310
7.09E-60	213.35	19535000
1.63E-40	193.62	20093000
0.0026531	62.709	3929900
0.0013865	73.36	2608300
4.75E-05	105.63	1633300
0.00034671	64.589	2676800
0.0090634	57.034	275440
0.00036569	100.09	51738000
0.0070747	60.364	4609900
1.40E-05	125.33	2775200
0.0009318	74.475	2181000
1.84E-06	83.905	2885700
1.38E-08	145.17	2906900
0.0017928	59.857	754180
1.24E-19	146.77	22765000
0.00015387	92.439	16601000
0.0044183	54.047	3293000
0.022789	66.289	0
0.0012294	94.532	0
0.019648	67.385	14039000
0.00045529	85.973	6046300
7.43E-05	98.654	1510800
0.00045503	71.376	267420
0.0036169	47.745	2865200
1.30E-06	83.247	1478800
1.62E-75	209.33	14201000

1.85E-07	139.43	1489300
0.00050844	78.505	5792500
6.33E-05	102.08	5162400
0.00089075	87.519	2469400
1.29E-07	146.11	6912200
0.0031028	59.579	9040000
3.60E-06	70.781	9470100
9.66E-27	172.33	24509000
7.59E-08	82.831	46687000
1.73E-18	130.26	62335000
5.98E-05	137.46	13481000
0.0003384	79.326	2423600
1.20E-06	116.44	7489700
9.70E-05	59.971	196140
7.09E-05	85.35	5943100
0.047288	74.127	1434500
0.00059654	78.069	2852800
0.01092	58.781	1229500
0.0083376	57.679	6252200
0.0045797	68.515	1089000
1.49E-05	108.68	1979300
0.012129	57.885	929310
9.75E-05	133.91	59741000
3.30E-22	144.26	3114400
3.26E-05	61.538	1320400
5.29E-29	164.68	4683800
0.00012426	110.31	1089800
3.33E-134	249.66	71883000
3.55E-05	109.15	2418900
0.0015503	80.102	657900
5.52E-06	74	26927000
0.00042793	136.16	910320
6.96E-05	118.87	0
2.01E-05	121.72	6794100
0.023375	46.156	241010
9.91E-05	124.39	7047800
1.69E-05	122.26	767980
0.0028673	50.992	2125400
5.09E-08	96.133	11876000
1.78E-10	145.52	152530000
0.0012044	67.928	10580000
0.0040824	56.428	2047600
0.00096146	79.467	42562000
3.08E-19	148.72	53606000
0.028178	57.136	574500
0.019545	66.874	0
4.43E-06	110.6	6359500
0.0063656	65.905	9189900
0.0018073	68.283	2676400
0.053731	56.551	1392200

0.0058161	47.854	5291600
0.00021907	89.468	5763000
6.64E-22	138.09	29364000
7.25E-11	113.42	6710800
0.0002314	76.817	3315200
1.87E-05	100.39	11913000
6.66E-22	169.62	18638000
0.00022843	87.16	2395400
0.00089523	67.902	2789800
2.52E-08	148.56	5871700
0.0024318	87.668	0
0.033703	41.323	676580
8.87E-15	154.46	25919000
0.00041991	74.618	860220
0.00029516	119.88	13860000
1.13E-05	137.98	128150000
0.00010972	124.51	27243000
6.44E-28	170.66	33338000
0.026342	41.521	1423300
0.00056072	83.397	1764800
0.00049836	93.561	8070600
4.60E-05	115.34	6866700
0.00060782	101.38	1720900
0.0065852	53.188	2349100
0.013661	48.477	2370800
1.13E-05	105.77	1568000
0.0035273	62.077	1542200
0.0030893	71.555	218370
3.19E-05	97.384	13347000
0.0024047	83.883	1382000
0.00078155	79.633	1597500
1.06E-26	171.49	29055000
0.0015008	72.316	0
2.02E-33	174.87	3013500
0.0028441	69.03	2845800
0.021081	46.892	2093700
3.77E-05	109.42	3231600
0.0020241	73.279	3203000
0.00023778	112.3	41571000
0.0030779	49.515	2961600
0.0010516	63.691	205690
0.0004744	102.06	1320400
0.0005363	81.185	777900
0.015629	58.755	0
4.77E-05	111.86	3282500
0.016863	68.551	6150400
3.23E-11	89.5	21214000
1.62E-08	107.57	16056000
0.0028929	64.534	2510600
1.03E-05	122.69	127090

3.66E-22	151.01	8896500
0.044812	57.149	352080
0.0025596	61.265	2307700
0.00011357	93.495	7046100
1.06E-07	136.66	15007000
0.0089466	96.331	1970900
0.00043351	71.376	3806500
1.23E-06	78.752	7113600
5.08E-82	228.84	6403500
0.010291	51.147	241290
6.06E-74	222.56	153290000
0.027995	86.794	646310
0.00023699	89.747	20196000
0.0058493	71.221	2815500
5.53E-19	163.46	37429000
0.0027914	72.21	0
0.00012694	93.738	9695600
0.00858	86.794	15600000
3.49E-12	133.23	83695000
0.014077	66.285	2443800
0.024725	45.723	2751200
0.0066689	61.181	0
8.76E-81	215.34	7620800
3.65E-07	103.84	38328000
0.037395	44.614	288260
0.043715	40.493	1044200
1.73E-09	85.615	28460000
9.82E-41	126.8	172260000
0.0036324	40.436	3532500
0.00027298	67.064	16761000
1.85E-06	101.6	5555000
0.0052541	101.54	14092000
2.16E-21	104.83	19612000
0.023703	54.005	1016900
4.68E-08	145.89	19454000
7.58E-05	99.566	1544700
7.14E-11	155.42	67577000
0.027497	59.862	0
0.0010297	72.815	889190
0.029199	54.501	1268900
0.022823	55.851	276540
0.00024884	84.874	1305000
0.0014915	89.029	21827000
0.020204	67.207	2987800
0.001643	102.62	0
0.0053036	86.114	0
0.0042392	52.853	1072600
0.01121	50.653	346690
0.00019233	120.87	17647000
0.044226	72.2	0

0.00025932	84.753	7443100
0.00039974	81.619	2743300
8.36E-06	131.79	123250000
0.0016774	73.057	5756800
0.0003122	86.467	939590
0.00013097	99.732	9526500
0.00132	56.303	5594700
2.42E-06	87.052	7821500
0.0047547	58.658	1169200
0.0005256	125.71	32556000
0.00063799	108.43	16590000
9.93E-05	99.451	857620
0.00073964	80.905	7382500
4.92E-23	180.66	132220000
0.0022509	86.262	6286000
0.014095	78.934	2571500
1.36E-05	67.368	2912400
0.00052428	64.723	1783400
8.08E-13	152.16	23479000
0.002992	72.096	14650000
0.002099	71.806	2059100
0.0001412	93.495	4775100
0.0001623	92.151	715410
7.32E-09	132.51	4934400
0.00081607	111.63	0
0.026812	64.103	336350
0.00074095	50.144	1267300
7.27E-05	102.03	5303800
0.00051888	126.39	1273200
0.00055523	94.767	6180900
1.08E-07	140.78	12039000
1.56E-06	71.297	3040900
0.032376	42.52	36452000
6.16E-19	162.49	3413000
0.00082523	87.789	2253100
0.016181	85.676	914060
0.0011376	82.417	929910
0.0010361	72.705	4698800
4.63E-11	109.41	9679100
0.00065134	69.737	5757900
0.014081	52.576	3269200
0.00017845	89.661	949420
0.00028119	77.137	16452000
4.08E-07	114.46	28902000
1.16E-13	155.56	8895800
0.00024133	101.6	2266200
0.042919	40.941	396730
0.00032165	90.259	8100400
0.0094661	61.765	676160
0.00020059	95.273	9678000

0.00011846	94.023	2631300
0.0039796	93.959	0
0.00043691	70.986	5379100
0.0050457	77.305	2280800
5.42E-15	163.9	7906800
0.00031001	74.214	2486000
0.00049276	65.855	2961200
0.00031332	82.482	1514600
0.002587	93.111	868270
0.0092049	51.495	1057100
0.0013854	70.373	2111600
0.00031376	67.251	1164300
4.54E-13	134.58	12201000
3.07E-30	173.09	56907000
1.34E-05	111.09	24416000
0.0045222	58.427	4308800
2.05E-06	134.02	10001000
0.020856	44.641	848200
0.0012712	73.91	1599700
2.68E-27	178.53	77017000
1.76E-37	174.04	57326000
4.25E-05	90.765	5686800
0.0014659	68.168	2234700
0.0070257	57.414	347060
6.27E-06	98.443	950620
0.0032137	63.292	6327000
0.00042769	94.551	13873000
0.00040258	118.51	5733300
0.0015402	58.123	933940
0.00036391	80.459	1315900
1.31E-18	172.88	25051000
6.14E-05	110.22	6736900
0.0046535	78.902	0
4.95E-06	133.23	7564500
3.03E-12	138.05	28687000
2.78E-23	178.95	121140000
2.08E-05	105.25	10694000
0.00023015	133.23	20859000
0.043271	76.847	85796
0.019308	41.933	6703600
1.46E-26	115.3	32272000
0.0042656	60.161	374320
0.0006409	69.485	22731000
0.01281	57.019	308070
2.97E-05	93.5	2833800
0.017955	53.567	6471300
4.05E-13	134.56	35365000
6.88E-05	97.235	52575000
0.0013419	50.803	7594700
0.005278	83.883	536000

0.0070027	90.729	0
8.69E-50	195.72	33227000
1.10E-11	126.02	64638000
5.32E-92	215.32	364350000
2.39E-08	114.37	51669000
0.00052924	59.996	11080000
3.85E-05	62.377	1136000
2.47E-08	87.052	1896500
5.72E-09	91.618	27392000
9.46E-28	180.66	209120000
0.00034384	81.311	3077900
0.0015637	47.534	1963900
1.99E-05	119.22	13366000
2.04E-20	152.32	1427800
0.01693	72.006	0
0.0048775	65.179	1607600
1.67E-05	122.42	41707000
0.028211	67.494	0
4.66E-09	139.74	8705800
1.03E-05	122.7	1051200
3.74E-05	61.039	1978300
0.029741	45.891	791950
0.00016621	91.457	6505000
2.97E-05	64.27	7489000
0.023081	47.037	794460
2.25E-05	117.02	6015100
0.00010592	80.683	2178200
0.030783	45.452	1055300
0.0061875	74.944	438960
0.024696	51.092	260390
0.00077339	88.681	17562000
0.0036511	67.997	7225900
0.027891	60.549	0
0.002479	74.944	544720
0.032998	45.257	0
0.0062781	66.663	3318900
0.00031849	66.874	7383100
0.022783	45.221	2103900
0.00018828	102.64	8476500
0.00035268	100.19	31987000
0.0020042	68.944	4949400
5.66E-05	101.75	3053200
3.78E-06	98.76	11104000
1.83E-05	91.964	21777000
0.02652	45.722	6683500
0.03821	42.388	415710
0.00026517	87.083	3918800
0.018666	60.062	0
0.00018728	87.668	4649100
0.000104	59.661	8538200

3.68E-09	144.18	4036300
7.66E-17	120.33	54351000
0.052256	59.153	308620
0.00039536	54.036	12254000
0.017991	51.612	1243500
0.0017025	74.46	1793100
2.33E-05	99.343	4398900
0.0001815	108.9	718270
0.00014252	112.15	441510
4.60E-18	132.39	5144300
1.60E-05	106.29	14175000
0.002289	62.646	1551300
0.00063938	51.9	4109800
0.00013893	75.797	768060
0.0024407	69.72	0
0.0023613	91.725	0
0.050673	40.725	4513800
0.0055744	46.296	9919300
0.00012585	123.95	5935700
4.38E-07	120.08	1816000
0.0012394	51.386	2253300
0.03142	44.807	397340
0.00022568	64.761	5641500
0.00043161	80.706	4784600
2.32E-10	117.38	26283000
0.009661	56.817	2323400
0.027889	60.55	0
0.0022343	61.495	1285400
1.70E-10	118.84	6302600
0.00039257	61.087	17800000
0.00043593	77.222	2175000
0.038811	45.077	3481600
9.88E-14	153.81	13617000
5.15E-28	172.43	8259700
0.039556	56.551	0
3.55E-05	63.115	1309000
0.00048187	60.574	3411000
6.99E-30	140.45	12362000
0.0056084	59.618	2258000
0.015532	90.882	0
0.00056649	92.239	6702800
2.70E-66	215.72	9033800
0.00033196	57.613	2233500
1.35E-12	142.58	4361800
0.0028186	53.033	462300
0.0022391	71.241	1245900
0.011742	58.172	725300
1.41E-17	151.87	22255000
3.44E-05	103.14	12370000
0.020291	72.547	8544200

0.0073181	54.811	1789400
0.030341	58.098	9526900
6.12E-08	81.799	8622100
0.00010118	112.13	10223000
2.62E-14	150.37	2592600
6.08E-05	102.36	11860000
0.0013316	86.262	2361500
0.0083944	52.569	587580
8.35E-30	181.4	6231200
0.0053336	74.92	21302000
0.020284	51.841	1379700
0.00047908	83.53	8618600
2.00E-08	99.923	2954400
0.0080649	59.57	3090100
1.50E-06	106.28	5398200
0.00021945	56.005	17037000
0.0088365	64.374	641060
0.0013157	66.568	694880
0.00033762	81.185	1161300
0.00014856	89.261	2135500
8.16E-05	85.248	1448000
0.015591	45.696	244660
0.025821	48.004	3957700
1.80E-56	188.48	30306000
1.56E-05	67.388	3418500
0.011688	51.225	656090
1.96E-07	133.78	26272000
0.0013326	87.641	914360
0.000188	69.152	9354200
0.00024651	85.231	1505300
2.72E-99	240.38	108550000
2.72E-06	95.51	2590300
0.025593	40.622	463960
0.0048505	65.241	3137300
0.0075348	68.846	4458000
0.0016933	83.243	3060100
0.00052915	71.143	1504500
0.0011064	71.513	1031000
0.012734	64.2	0
1.08E-05	104.61	3784600
0.0050097	101.99	3437600
0.010638	52.008	951180
0.0094311	85.064	1389100
3.02E-42	202.05	5030000
0.00042931	68.134	3773400
3.18E-05	102.33	23452000
3.79E-63	174.1	25369000
0.0002053	90.453	1601100
0.0048775	65.179	960630
0.033097	42.277	311620

6.44E-14	158.34	23645000
0.00021786	108.63	44240000
0.0013976	69.485	2739100
0.031369	50.04	1020700
8.03E-44	181.6	32148000
2.23E-08	112.54	3692200
0.00041558	70.555	27193000
0.015508	60.691	2865700
1.30E-05	128.85	13932000
6.87E-05	74.742	2329000
0.001236	82.349	3265000
0.0066964	65.467	6497000
4.84E-07	86.039	11756000
0.043019	41.542	678940
1.01E-26	171.92	5237700
0.014139	64.82	82360
0.0037893	59.75	1551800
1.10E-26	183.43	17961000
0.00048548	123.86	8231900
0.00073629	71.98	4651400
0.04199	40.187	1952900
0.01262	80.455	2283000
0.01982	50.145	635130
0.00069205	99.283	5804500
6.61E-05	98.943	20180000
1.00E-12	152.96	41604000
0.0046434	79.659	2704600
0.00080473	62.617	7183700
0.0099185	52.821	1078900
0.034837	50.473	1340900
0.00022585	104.81	4199000
4.31E-05	113.01	2961800
1.24E-06	133.16	4280100
0.00043081	93.738	6030700
0.0073146	52.045	1799000
0.012132	60.91	1502300
2.87E-06	132.25	13466000
0.0059246	65.842	3104500
0.00036008	80.859	3400800
0.0010974	76.357	2357100
0.0015573	130.22	15626000
2.38E-12	128.66	9207800
0.0010134	94.309	15345000
8.98E-05	107.18	841050
6.79E-09	100.71	4897200
0.0068885	116.88	2588800
1.05E-63	210.07	15328000
0.015663	77.318	4395300
0.0076074	69.864	920070
0.005154	73.881	2028700

0.00079901	76.728	2144800
0.00017816	92.65	12332000
0.00053936	112.84	9911200
1.44E-09	141.82	48753000
0.029993	42.647	559840
0.0074861	56.956	2042800
7.15E-06	93.804	4215500
0.0036213	56.055	1047200
3.05E-11	163.15	4357000
0.029444	74.611	0
0.0089087	51.888	864130
0.0085199	54.402	1276500
3.04E-33	171.83	24937000
5.87E-07	117.23	3104200
8.63E-10	136.53	20893000
1.13E-45	191.71	118340000
1.39E-05	116.13	10871000
0.0044786	86.624	2511100
0.047513	73.975	2111500
0.00051954	94.781	14840000
2.81E-05	100.14	3259800
4.97E-05	103.97	34725000
5.88E-67	215.02	227760000
0.028815	51.445	4492900
3.88E-05	112.83	3189800
2.11E-08	130.02	107280000
0.0023221	91.265	2549200
0.00031356	78.228	6731100
3.84E-100	215.43	38164000
1.83E-05	65.278	2203900
0.00038776	104.59	15171000
3.03E-09	144.88	134470000
7.43E-06	121.01	3185700
0.032005	59.418	252020
0.014371	50.102	489460
0.0081217	52.93	9756300
0.00059947	57.945	1765000
4.62E-09	92.416	29762000
0.00099241	69.261	1746500
0.00011898	135.8	55248000
0.019135	52.693	8947300
0.028583	45.347	793140
4.80E-29	160.25	24598000
1.08E-05	71.148	7133800
0.0060079	59.75	2093500
0.015605	47.113	959090
4.87E-05	80.844	12619000
0.0068862	73.499	395150
0.012522	48.883	1083000
0.029307	54.416	0

0.00022306	108.47	2218600
0.0016489	69.352	919740
0.028559	48.044	2816400
1.33E-08	108.96	18003000
0.0081547	56.29	1492300
0.00086122	109.66	1764900
0.0028836	61.649	4749500
2.78E-67	223.77	112160000
0.00082088	76.357	2343200
0.00059521	81.565	2429100
8.59E-11	152.96	68312000
6.46E-07	117.07	5268500
2.64E-30	145.19	12105000
3.63E-30	144.11	10806000
0.00083029	81.656	490790
1.34E-11	93.179	7408000
2.45E-08	142.95	12690000
0	347.25	160080000
4.94E-26	135.62	2196700
3.38E-18	130.3	2805200
6.34E-05	71.946	4473700
1.52E-249	306.48	94877000
0.0037691	82.749	1816800
2.59E-63	212.1	6304600
0.00016085	88.951	1372100
0.00010181	95.57	952970
2.47E-06	132.97	71949000
1.49E-105	239.48	320870000
3.14E-05	113.25	2877400
6.69E-18	134.8	22533000
2.83E-06	130.15	2060700
9.78E-05	92.492	2069300
0.00066804	76.357	859920
2.75E-17	103.17	20577000
0.0014692	47.506	2443700
3.05E-06	103.45	2048800
9.38E-06	129.16	24404000
0.00023564	83.252	3245200
2.99E-05	136.3	328690000
0.0098339	63.185	904030
9.22E-09	99.423	16509000
0.00086122	109.66	13517000
0.014143	68.044	0
0.0044825	79.148	8630100
0.0024681	61.732	14579000
0.0064876	61.48	2305400
0.0013529	91.855	2054900
5.04E-05	65.151	2886400
0.017645	57.59	522360
4.19E-06	100.39	2305900

5.59E-06	73.831	7225600
0.0097066	50.831	745790
1.96E-08	141.08	32501000
0.046203	45.598	1880900
1.80E-33	175.52	13312000
6.79E-11	88.295	24068000
8.42E-05	116.58	71045000
0.0019005	70.438	1290100
0.0018441	60.764	3760900
5.78E-06	102.43	35493000
2.48E-22	153.59	7207700
0.0022857	52.483	1507300
0.036256	69.198	370450
0.03311	57.836	231670
0.0065333	61.375	1890900
0.018218	70.399	379040
0.013309	49.149	16707000
0.0021948	76.522	176120
1.04E-06	136.48	64870000
5.61E-05	110.86	25872000
7.81E-14	147.84	48119000
2.53E-16	118.52	28564000
0.0003099	88.224	24848000
0.0042224	87.298	1252200
0.035846	66.073	865100
0.00033326	89.44	13141000
0.023265	49.632	585800
0.0032089	46.785	6405000
1.46E-08	102.92	41141000
8.48E-11	104.57	192980000
0.004187	47.745	817630
0.019803	59.57	976680
0.015333	51.463	308730
0.0056682	74.993	0
0.0065971	49.188	1252500
3.38E-05	106.87	4030300
8.88E-06	123.86	105930000
3.29E-22	175.65	1617200000
3.83E-05	116.23	198270000
1.97E-11	142.58	22727000
8.09E-06	132.59	20008000
9.73E-05	98.337	4497100
1.79E-13	157.5	69881000
1.56E-06	85.376	8196500
3.59E-20	121.35	2450900
1.83E-36	169.33	37659000
0.0043857	62.891	1175100
8.39E-07	89.201	2286500
5.08E-18	126.86	4446500
6.13E-07	109.5	5362800

0.013123	57.149	907610
0.0011892	93.096	1714800
0.041263	48.423	1217300
0.00025904	101.95	902820
0.00041912	105.17	7128700
3.66E-05	112.82	11093000
0.014358	54.524	547410
3.16E-05	113.43	5656500
0.00028469	104.07	6929600
3.53E-06	127.2	18795000
1.59E-06	130.09	28850000
4.47E-08	129.38	27236000
0.011622	51.591	616490
0.003455	62.357	424420
0.015617	51.211	1072800
0.0058724	72.243	763770
2.47E-13	151.66	77560000
9.50E-12	128.38	52830000
2.76E-21	152.09	12050000
1.03E-38	190.35	195760000
3.00E-38	178.1	58125000
0.00093117	96.229	1289900
0.019839	44.047	1163300
5.55E-06	101.38	1455600
0.012873	85.29	1881900
0.021658	82.831	1314100
0.0019907	72.531	725030
0.001286	61.757	10305000
0.00095279	62.274	1204900
0.0089334	54.582	818790
0.00087245	52.465	584990
0.0076603	88.819	321740
5.62E-05	105.03	3319000
5.44E-07	118.54	2091300
0.00040072	79.029	2049000
0.033371	40.645	5405000
0.0088645	54.637	3683400
0.021322	55.567	1624000
1.60E-22	140.93	9915400
0.013342	47.223	147180
2.50E-55	194.15	8186700
0.0024442	100.02	4044500
0.016505	118.06	4186400
4.87E-18	127.28	7753900
6.46E-31	187.85	10035000
5.64E-11	104.53	4506700
0.00043079	91.926	5497600
6.58E-28	153.65	43434000
7.81E-05	112.5	2121100
0.034948	47.302	511210

0.002084	97.635	3639900
7.70E-05	100.58	7298200
3.38E-08	134.84	394670
9.31E-05	123.01	30243000
3.62E-05	136.96	12360000
0.0031618	78.228	4027500
0.0010566	106.54	0
0.001366	126.41	6867500
0.0019203	75.088	1620300
0.047771	40.516	868030
0.00016538	103.43	14473000
1.62E-08	157.38	6592900
0.00044646	96.113	553470
0.0096191	61.48	2075800
0.011234	52.821	2903500
9.70E-09	147.62	69376000
4.50E-07	140.14	22667000
0.022937	42.277	412090
3.78E-76	203.75	58354000
3.34E-05	91.583	9886100
0.00042201	94.717	1024600
0.00091301	60.454	963780
0.00062794	81.51	4127200
0.038064	55.531	906550
0.026817	47.712	890150
3.98E-10	152.64	7586900
0.00016053	112.01	16515000
0.0096744	54.524	1769600
0.00036559	78.057	1037700
6.41E-09	113.36	17024000
0.021388	58.04	928130
0.041599	43.382	1119500
0.0066769	59.155	1981800
0.0054057	63.966	4018300
0.00067979	111.46	8227700
0.00020411	83.776	1795200
0.01005	50.376	1242700
6.68E-05	85.855	3310000
1.72E-18	130.29	17815000
9.20E-07	103.45	6270600
0.00022715	64.589	2720100
0.013373	55.314	3336500
0.0001627	90.654	1640200
2.18E-20	121.48	40717000
3.33E-07	88.413	2106100
0.0002287	84.62	7852500
5.56E-05	118.24	10977000
0.0010351	86.944	1731700
0.0023054	81.619	3253300
0.015909	55.084	1396600

0.0034254	68.515	1398000
3.77E-44	187.04	398120000
3.30E-33	171.04	169670000
1.83E-58	203.87	178390000
0.004972	61.11	608700
0.00041331	85.554	2337300
3.55E-13	148.41	8074300
0.00077312	110.53	5697200
0.00055916	100.88	5008000
0.0003559	117.89	7573700
0.00044646	96.113	1147300
4.18E-08	155.07	10064000
2.22E-05	119.96	9072800
8.58E-06	129.89	88906000
3.92E-09	138.1	0
2.36E-21	163.9	30576000
0.00042838	73.735	688290
4.66E-06	114.72	716860
0.00029229	83.968	939230
1.01E-05	68.916	1821100
1.48E-05	114.56	11313000
0.0022294	119.27	2964900
0.04042	44.612	1802200
0.00051668	93.096	3003200
4.10E-05	105.46	3097600
0.0014062	77.593	13931000
0.0050519	84.658	690530
9.06E-06	101.62	2895800
0.015724	49.298	1825800
0.0015855	102.52	4748100
3.48E-09	144.4	20143000
0.0094661	61.765	2442300
0.037806	65.347	4772900
0.013152	60.49	1123600
2.54E-08	142.12	12892000
0.00017433	92.906	8220700
0.0071558	54.094	474810
7.35E-14	155.14	27871000
2.98E-06	128.74	10681000
6.95E-204	286.53	30095000
0.0023487	61.684	5874700
0.020066	56.258	2551900
7.94E-35	198.07	64908000
2.70E-08	138.45	3869900
0.002535	81.709	547930
1.50E-05	108.59	3647500
0.018612	53.08	490030
0.024164	51.436	655160
0.0050695	64.675	580650
4.86E-06	122.97	3848400

9.75E-07	112.74	25003000
0.0002982	71.492	3428900
0.0035501	105.46	0
2.75E-06	119.69	1722100
5.08E-15	150.61	8309400
0.0038555	68.413	1131900
0.0027927	88.495	3951100
2.36E-11	124.73	34664000
0.050644	52.784	0
1.62E-05	100.97	1037800
0.0035993	132.29	4341600
0.0074106	77.324	235610
0.00026962	85.28	1490800
6.14E-05	101.2	7727900
0.0014375	65.105	13789000
0.014486	49.988	504300
0.0074804	89.029	1237200
0.036113	69.423	692340
1.38E-06	125.54	8497900
0.001694	101.46	4886800
1.66E-89	234.65	12326000
0.00075543	70.47	844210
0.0089318	77.387	0
0.032949	48.504	913370
0.0003641	80.411	2361000
0.040543	63.184	0
0.00018801	90.444	1651400
0.010867	76.679	547210
8.09E-05	117	14375000
0.017657	84.213	910910
2.17E-05	121.32	7305100
0.0032941	72.652	891800
7.01E-17	102.62	11798000
6.94E-05	119.62	31941000
0.018586	51.135	1801900
0.00020042	92.856	1514100
0.00063796	99.973	1405500
0.0081136	50.392	5782500
4.09E-05	121.99	5285200
1.04E-06	136.01	62569000
0.0020281	105.52	133380
0.00012389	93.237	3195900
0.00038387	75.018	5052000
0.0023317	66.708	1301900
0.0029417	52.654	1097100
0.00088087	116.73	5115300
3.02E-06	131.62	13020000
0.0016347	71.601	517800
0.0043759	71.221	1300200
0.00042014	58.92	1513400

0.00090074	69.729	888690
5.89E-05	86.856	8886100
0.0013322	48.532	3528700
5.69E-07	118.19	21085000
0.00042029	72.433	9654000
5.63E-07	127.53	21245000
2.27E-05	62.193	2047700
0.0047568	61.532	2447600
0.0003384	79.326	11564000
2.58E-08	138.76	1322800
0.047559	65.252	194180
0.0040693	56.149	1590700
0.00015791	113.77	8377400
8.68E-22	162.77	5163000
8.49E-70	205	35856000
0.026449	87.754	3577100
1.27E-06	85.35	7163800
0.0035764	69.594	5045900
4.46E-27	161.93	7580300
3.02E-05	110.93	4076200
5.35E-05	92.671	3193900
0.0034254	68.515	8045400
5.91E-11	122.35	4817100
0.046174	67.879	0
5.76E-08	127.37	9642000
0.00090952	74.853	529500
0.0070956	81.625	0
0.0081584	54.811	1145600
2.41E-05	115.57	13668000
0.017089	66.267	0
1.34E-06	77.939	25972000
0.00041312	71.872	2352300
0.0011333	93.649	1917600
0.00051528	89.877	3572800
0.00059104	62.325	20963000
0.00042783	85.845	12721000
0.0055022	48.244	859550
0.0050888	48.852	1480400
0.0039734	69.721	1763500
0.00063627	86.262	14392000
6.29E-40	183.73	11662000
5.72E-05	99.059	10054000
7.86E-06	69.913	2778800
6.31E-56	185.64	24213000
0.025963	45.876	897050
0.022597	82.75	1244700
3.77E-07	151.44	30533000
4.50E-05	94.387	2151900
0.00018819	96.067	13489000
0.00085196	78.903	1958800

0.01982	50.145	2406800
0.00078051	68.411	1147600
1.04E-06	136.48	20058000
2.33E-63	205.62	64753000
0.010896	102.89	0
7.28E-26	134.91	7337500
0.00018616	84.762	884820
0.00071179	99.568	1675700
2.02E-09	145.94	18636000
0.00092939	67.645	1450300
2.53E-06	126.12	152550000
0.00051791	87.831	15657000
0.028482	61.212	1710900
0.00026944	104.82	1314000
7.57E-05	99.569	5479000
0.00036154	55.718	3853200
1.93E-95	232.78	11459000
5.29E-50	202	4127500
0.00037515	129.88	48380000
0.041213	69.979	1548400
1.12E-27	172.58	29290000
5.24E-28	172.58	90215000
0.0001638	94.973	1665200
0.018513	75.043	1031200
0.022081	64.104	0
0.0098774	44.052	541910
0.053819	43.442	5062400
2.01E-11	125.45	11165000
5.38E-05	107.73	2682600
0.011831	50.659	786350
0.0051219	84.17	4665900
2.17E-05	64.422	1438300
7.62E-13	133.9	38436000
0.00068925	77.13	1532300
0.00012686	77.584	3224400
1.87E-40	189.44	11892000
6.41E-11	146.67	12562000
0.00084326	71.031	1080100
0.00079718	76.759	15761000
1.01E-07	124.63	7807300
0.0031111	77.379	530390
0.018725	87.308	4705800
0.008397	82.749	0
0.00030853	74.364	318740
0.032051	41.912	1447900
0.002342	82.362	1925300
0.010291	51.147	2720600
0.038137	65.224	1759100
0.023895	48.568	938950
0.0090884	62.466	8619300

1.16E-16	140.12	11082000
0.032176	48.51	50607000
5.98E-09	108.99	738290
0.0002314	76.817	10728000
4.20E-05	104.76	2798500
0.0059561	59.796	7181100
1.17E-15	121.84	16824000
1.43E-06	107.15	1584600
0.00022502	86.772	1636600
0.020517	44.587	1990900
2.50E-05	121.74	6195700
0.0041092	69.451	1877100
0.0043231	65.901	0
1.51E-134	253.97	568750000
1.38E-09	138.66	15304000
0.00787	64.73	3126300
8.17E-39	179.07	5849000
1.89E-35	160.12	27576000
0.012168	54.276	1449400
7.43E-06	124.84	2858800
1.25E-156	260.08	45147000
6.82E-07	81.525	3535500
0.03992	79.116	1182800
0.012171	77.379	11279000
0.00067218	94.922	804250
1.20E-05	101.92	1553900
4.78E-08	138.02	10583000
4.87E-10	151.22	16993000
1.16E-05	106.57	3284900
0.00022955	86.411	571450
0.018115	49.356	1866900
0.00038779	84.892	515500
0.012555	71.268	0
2.36E-15	171.38	30248000
0.0010223	120.15	10473000
3.31E-16	137.87	75467000
8.87E-09	91.722	39592000
6.50E-22	170.52	5021000
8.32E-30	174.35	5619600
0.0018673	61.477	3074000
0.0044786	86.624	1760300
1.52E-05	66.77	1321400
0.00018291	121.24	10950000
0.026864	48.659	1136000
0.0045011	96.331	1665600
0.03751	75.378	173210
0.021196	71.614	238550
0.0033819	58.159	815880
0.023584	55.806	1943300
0.045719	75.189	787620

0.048246	73.877	453780
0.021411	73.841	1149000
1.71E-05	92.897	1701200
2.56E-11	139.86	39845000
0.00021402	107.09	8076000
0.0022604	69.345	1552100
0.00050293	55.158	3574700
6.10E-05	91.637	1354900
3.25E-61	199.09	407910000
0.0015534	56.079	10455000
5.03E-07	78.043	19272000
0.00068004	65.454	2764400
0.0020092	84.479	13831000
0.014337	57.785	248980
0.00072948	72.175	1946000
0.008657	49.973	619190
3.97E-56	197.51	2766900
0.0017236	51.834	4445700
0.015327	46.494	2059500
1.02E-05	128.38	4440300
1.16E-05	106.44	3663900
4.44E-05	101.72	9937800
0.0038512	59.68	10975000
2.63E-08	126.25	20154000
0.00039749	71.529	1689300
0.00024204	121.21	10652000
0.0054856	74.165	2331700
0.034049	56.529	133350
1.13E-05	100.39	25102000
0.002624	60.937	1431200
1.19E-21	166.9	26351000
0.0019448	79.23	2589700
0.00029738	81.157	6150400
0.0062255	58.21	6186800
0.03128	58.09	0
0.024456	42.568	17564000
0.038183	47.869	6368500
6.14E-05	109.14	18144000
0.030884	43.024	675000
0.0012829	59.574	2291500
1.00E-08	142.39	8874700
0.0019912	60.317	1612300
2.36E-14	158.31	16231000
6.91E-05	111.12	16422000
0.00089771	50.271	13349000
9.22E-05	114.69	2356100
0.00031736	61.181	3898800
2.05E-29	160.77	15377000
0.002782	48.641	2702200
0.005121	56.906	4139100

1.12E-05	68.231	2453200
0.023218	45.614	1244400
0.013459	45.011	974130
0.00048723	96.067	14702000
0.010716	69.721	182640
2.37E-06	78.837	3933000
5.98E-09	113.49	5073300
0.0009742	91.123	2964600
0.00097877	69.331	679310
0.0017782	43.384	13264000
0.00035952	63.606	4012600
0.00048713	70.134	4824700
0.00032161	60.765	4741500
0.0010246	70.197	1043500
0.0028565	54.658	1087700
0.010909	61.56	787050
0.038191	45.257	245610
0.0049796	64.945	2654100
0.00020793	88.133	2631200
0.0013053	79.326	999770
0.0035711	69.979	1083500
0.0037675	73.985	2060300
0.027738	86.953	11480000
0.019281	61.03	895310
0.00043555	77.24	19565000
0.00046207	70.413	3839800
0.00038673	78.078	642200
0.029154	42.947	403120
0.00013737	111.5	6637700
0.0066801	61.038	1547300
0.0025228	55.536	7144500
4.83E-06	75.71	1975200
4.63E-06	76.21	24048000
1.41E-10	120.33	7061600
0.00010375	97.823	14345000
0.00026108	84.895	54787000
1.43E-06	129.42	6217100
0.019803	59.57	269580
0.00041929	77.795	5961000
5.85E-05	91.774	22072000
0.0018736	60.542	5410700
8.14E-06	97.621	21121000
0.00057855	80.469	10790000
0.013175	54.276	984930
0.0064373	67.234	805150
0.00037076	82.483	2276800
0.036168	55.011	1107100
7.05E-78	214.42	75182000
0.018872	51.591	1294500
1.39E-06	135.02	12374000

0.034732	72.289	0
0.032049	55.105	225730
0.006168	59.607	7025300
0.00020025	89.911	4522700
9.96E-05	120.57	11095000
8.67E-30	158.91	33737000
0.0006422	54.656	5280100
0.0015491	81.565	2363800
0.00035117	81.788	24858000
2.02E-05	102.72	6553100
0.00034171	79.027	3945700
6.40E-05	113.66	13218000
0.023708	41.422	1784800
0.002012	95.957	0
4.10E-22	141.91	4275600
0.00024374	85.28	9510200
0.00028954	81.713	4118100
0.00013471	111.5	19234000
6.45E-05	119.17	90439000
0.0046169	58.814	4217200
1.29E-35	182.07	5274800
4.60E-05	102.4	10260000
2.51E-11	160.82	15502000
0.00049168	78.985	5145400
0.0018312	73.546	0
0.0083469	54.598	2333400
0.00080106	94.82	2353800
0.00027963	100.04	9541800
5.09E-06	131.69	2207000
0.0029341	64.374	274010
2.41E-07	122.14	3327600
0.0399	40.857	3106900
0.0071239	113.89	4604400
6.00E-06	69.248	4674200
2.68E-09	135.43	3448200
0.013979	73.233	1086100
2.83E-05	104.9	5415300
1.75E-13	136.14	2675200
1.18E-10	118.44	1906800
6.15E-05	92.264	3096400
0.0075781	72.583	0
1.51E-52	194.77	14155000
0.025009	47.301	23858000
0.00045301	71.402	3144800
0.003699	55.907	881250
3.31E-05	105.63	8847500
6.16E-06	98.543	4721500
0.00036663	82.663	1568300
0.00031908	73.294	9646500
0.025177	60.949	0

2.27E-13	157.09	309560000
0.00092928	67.136	16976000
4.85E-22	148.4	85942000
0.00015432	71.091	7873200
3.66E-18	159.01	577360000
2.96E-11	125.04	11609000
2.23E-08	98.299	7233900
0.00014384	111.91	3577800
7.77E-06	127.3	7665600
0.0069315	71.349	1559300
0.0010126	113.71	77247000
0.004675	102.72	3933900
3.65E-20	169.52	13425000
0.007481	51.798	2105800
2.20E-34	169.51	22416000
0.002207	59.324	2539300
0.0012185	75.102	10847000
0.0061766	51.524	6967500
4.94E-05	93.381	547070
0.0063579	58.079	7243100
0.0069839	121.29	32982000
0.00040416	84.365	28431000
0.015945	53.252	1415800
0.0026963	50.858	1607400
0.0039071	55.383	1309900
0.00016199	80.98	8484700
3.81E-05	104.94	9077400
5.17E-16	169.37	10823000
3.65E-06	132.51	12543000
0.005713	66.262	8277400
0.025619	44.457	1550600
0.00051811	95.477	26126000
0.00026931	88.706	16023000
1.42E-08	145.09	27127000
2.45E-05	115.23	2057400
3.50E-06	127.29	13877000
0.017629	57.598	1387300
0.024553	70.256	18056000
0.00018312	94.532	30588000
0.0043142	58.672	3576700
8.77E-05	99.392	270840000
8.30E-06	132.47	16486000
0.00012063	96.135	584100
0.011105	91.9	3295500
0.0041127	72.2	6991500
0.051623	60.398	3459400
4.17E-35	185.57	112910000
0.0080156	68.016	1779200
3.67E-05	114.27	61473000
4.12E-06	107.02	25923000

9.96E-05	95.822	1734300
0.008087	55.567	277060
6.01E-07	109.77	6768100
0.051747	59.426	0
0.00035	83.53	407440
0.0040252	60.401	337020
0.0033502	76.143	308960
0.017156	105.2	3321900
0.021033	51.286	4495500
0.0012525	61.102	1724200
0.00048206	94.363	1801800
2.83E-38	174.55	278540000
9.35E-39	178.32	79213000
8.61E-05	83.436	138980000
0.00801	96.711	2032900
0.010989	57.225	977020
0.00025135	136.27	4008500
2.96E-09	143.42	247730000
0.021602	45.14	946830
4.69E-05	69.142	4135700
0.0046605	78.264	1140100
0.047816	53.924	0
1.82E-05	115.92	3735000
1.74E-12	115.01	2336400
0.00049015	74.816	1267700
1.76E-16	150.39	824740000
2.60E-43	183.24	79185000
0.0045313	52.185	2743300
0.0013019	74.237	3173500
0.00095325	95.358	3147500
0.00018197	90.707	1991600
6.62E-37	189.33	34074000
0.00010371	128.86	3336600
0.0030617	75.564	0
3.80E-06	81.48	19352000
0.0063736	55.975	725170
4.41E-06	136.02	30945000
0.017019	52.391	1451000
2.59E-63	188.25	41135000
0.0010509	70.114	9082900
2.83E-05	104.9	8808500
0.013501	52.265	763760
0.0016348	87.568	21097000
6.46E-47	206.36	107960000
0.0032646	92.247	6186800
0.0014474	73.951	2293200
0.048237	85.161	2979800
0.0082585	107.43	38457000
1.48E-12	150.21	44126000
0.0030036	61.097	1572000

0.0023954	63.894	865640
0.0099298	64.711	1254900
2.77E-07	118.19	3196600
2.29E-40	182.28	7289100
0.00085041	71.742	2299000
1.79E-11	111.84	81136000
3.81E-06	73.574	10146000
5.12E-08	97.049	38388000
0.014258	57.836	2064500
0.022386	54.982	45450000
4.17E-06	133.89	28272000
0.00036699	103.43	2133200
0.0035655	83.948	6793000
0.00040959	60.454	6323800
0.0032879	76.465	7641400
0.006078	66.285	1063100
0.020686	53.683	1479000
0.0035656	45.901	641510
4.30E-07	77.469	3991000
0.040431	67.032	0
0.00058182	75.319	8774600
7.25E-06	103.73	3873600
7.89E-05	112.62	1028100
0.00018972	106.19	16171000
0.02695	64.04	718440
3.72E-06	120.57	1838300
3.01E-06	118.61	110700000
0.0015122	84.829	6758400
0.0083581	65.719	755640
0.00048842	83.243	1330500
0.0049498	76.827	1763000
0.00021434	136.63	10424000
5.80E-17	156.17	100650000
4.87E-07	119.37	19339000
0.0080972	48.896	5946600
0.013305	52.928	466310
0.026371	52.79	530040
2.11E-07	138.22	13128000
0.0012324	94.487	0
0.0065368	67.207	2533600
6.90E-46	199.4	48301000
6.29E-05	99.941	3865600
3.18E-15	154.39	104420000
5.73E-05	74.214	7339000
0.026617	46.844	694580
0.0005736	64.89	6452100
0.0077088	58.831	2150600
7.10E-05	100.11	47147000
2.69E-06	99.407	24306000
1.47E-06	134.4	42758000

0.0051342	96.113	1241800
1.41E-08	126.1	25875000
2.18E-45	150.34	131350000
0.01887	56.916	583100
8.46E-05	112.84	4579400
0.045666	63.694	0
0.014278	88.177	11591000
0.0003248	73.833	2766000
0.041114	41.689	2194200
0.0062574	67.726	1013200
7.27E-07	106.73	7509900
5.49E-05	93.115	3182400
0.031166	49.466	1909400
6.16E-27	172.76	4875900
0.00011	109.1	2035200
2.36E-06	130.47	19427000
1.53E-08	125.53	0
0.00054897	70.802	7417500
0.0011455	84.687	1852000
0.0017266	61.648	2362200
6.83E-17	118.22	29671000
0.00019294	90.229	3945600
1.10E-08	144.1	7033200
0.05061	71.877	2282600
0.0035052	65.565	3381200
0.0011929	61.87	2174200
0.033577	46.592	270530
0.0039757	72.167	0
0.00051668	93.096	3660500
0.0032993	79.07	7027300
0.00065035	99.815	13003000
0.00027212	71.742	4496600
0.051262	40.552	5716900
0.026812	64.103	7145400
0.0084771	41.51	1665300
0.001523	60.062	2097400
5.93E-05	108.77	13721000
0.00019918	139.28	1650000
1.50E-08	127.67	2775400
0.025294	62.891	2135200
0.0053155	59.116	3615100
0.0001938	108.57	3566500
0.0026787	60.657	3374400
0.00032343	78.932	1504600
1.25E-06	130.69	27758000
0.0043987	79.986	4751000
0.0066041	61.213	3645600
0.0011784	83.204	10813000
0.016514	94.262	4187600
7.90E-53	212.28	58042000

3.77E-05	106.42	8211400
0.041193	43.501	446690
0.0045073	70.977	748050
0.013431	59.908	872020
0.038685	55.314	2500000
1.58E-06	128.59	39022000
0.00044538	96.773	14610000
0.0427	63.534	394400
3.71E-10	147.56	188780000
0.00018387	95.662	10178000
0.000557	96.82	769770
0.00043278	98.368	18056000
0.019558	51.147	761930
0.015609	51.218	3346200
0.0011135	67.685	908140
0.010289	69.979	1727200
7.95E-07	137.05	5823500
7.12E-27	171.49	5646800
1.61E-14	140.95	0
0.03086	84.743	80702000
0.00025342	75.225	5596700
7.49E-06	69.71	56867000
1.87E-05	69.47	8854800
0.020461	49.632	1223500
0.013826	54.951	877480
0.027818	46.159	789850
4.62E-13	155.09	11399000
0.00030611	99.531	6539800
0.016751	50.305	1046500
0.032486	48.004	305840
0.00025611	126.12	2562400
1.46E-05	119.03	4998400
0.023844	51.166	1685600
3.76E-08	127.32	0
0.00393	91.207	0
0.000383	75.122	1996300
0.02627	55.437	1329200
0.0065833	90.614	0
3.08E-06	133.23	6035400
0.001092	80.318	9707300
6.72E-05	116.9	3209000
1.57E-36	190.66	76531000
7.35E-05	85.013	2043400
0.013373	55.314	1584200
0.046807	87.181	409540
0.004691	78.113	1324800
0.0026636	79.693	4268100
0.0037691	82.749	594550
4.02E-06	130.01	5666400
0.029426	94.669	736280

0.0096832	93.345	0
0.0031111	77.379	4394800
0.03085	93.262	625330
0.043379	41.825	219070
2.26E-05	110.97	9290200
0.0078215	64.82	3992800
1.27E-10	120.92	2861300
0.0010405	66.809	2919100
0.00022465	74.953	2098500
2.73E-05	103.04	11386000
0.0060847	117.81	0
2.54E-10	166.78	8902200
0.00022029	87.148	5372700
0.0014282	98.582	0
0.00033408	78.552	23089000
0.0017436	61.52	2696800
1.57E-09	135.09	12088000
0.036886	40.187	720740
0.00098191	47.383	2189300
0.00046376	84.479	2915900
0.022291	50.354	802110
8.03E-19	160.52	59093000
0.00016204	91.789	14574000
0.00022098	90.707	2547600
5.84E-05	60.728	594130
2.84E-07	77.469	1598100
3.26E-07	152.47	56647000
0.00089682	96.342	27315000
0.0011715	75.589	6334700
0.0011309	76.01	7722300
0.015758	95.531	2273900
0.00046312	79.804	4716500
0.0010931	83.182	37297000
0.019333	57.96	810110
0.00034468	71.174	6441200
4.10E-16	122.79	5233300
0.00087999	109.48	2123600
7.78E-08	105.68	73024000
0.00044097	72.421	1151500
0.0023179	123.21	32954000
1.64E-14	156.57	6886600
0.00020657	91.914	967290
0.0092126	133.99	1801500
0.0046973	58.723	1105300
0.0008323	87.667	6826600
0.04249	59.931	143800
0.010797	69.672	395040
0.0028103	78.934	3489500
1.04E-05	100.77	7145400
0.018016	58.596	1296300

0.00022584	82.59	2916400
5.07E-05	110.57	17266000
5.80E-32	180.78	26305000
0.0019983	83.862	2274100
0.0049372	58.01	2768100
0.0012942	60.564	2985900
6.07E-05	100.18	29927000
0.002334	69.261	432500
0.00020299	89.136	9725900
0.00021728	87.388	6390100
0.0013932	91.549	4466300
3.72E-08	140.24	33952000
0.0097309	57.52	3531000
0.012297	40.668	2371600
0.011742	58.172	10282000
0.0003166	84.842	12547000
0.015283	57.174	1240300
0.0020016	65.704	4991700
1.81E-07	75.82	33682000
0.00071749	67.995	1901800
0.00018684	134.23	10452000
0.037782	42.52	2431700
0.00041959	76.704	692750
0.00033864	78.228	2407100
2.52E-08	142.76	35382000
2.14E-10	85.595	32925000
0.0047042	79.489	7512100
0.00037419	70.114	2457600
0.0027158	88.948	8169300
0.0026171	68.262	2962800
4.58E-05	104.26	14199000
0.00013306	120.99	35461000
3.21E-08	100.94	5435400
9.82E-26	169.72	9109400
0.013297	57.019	14066000
0.00026702	88.78	14809000
0.0018975	66.708	5667000
0.032164	44.246	1202700
7.03E-22	137.52	8085500
0.0098234	57.425	2818100
0.03757	44.567	755800
5.89E-05	101.38	3806500
0.011568	98.299	0
0.00080968	88.056	8165100
0.00032271	82.248	5702300
0.00025673	86.005	5931800
0.0010013	71.592	339450
1.29E-05	109.89	24470000
0.039042	44.577	1427300
0.00029161	84.581	21440000

0.00023192	86.222	1703700
0.0019562	69.435	0
0.0201	57.59	3335900
7.68E-05	98.227	8391100
3.53E-09	138.19	33181000
0.013251	45.916	8873600
0.001582	73.498	1630800
7.84E-05	83.948	19268000
0.0005673	76.82	493840
0.00034088	78.069	2194100
0.015917	111.28	7954500
4.45E-13	131.59	3602700
0.0069862	116.25	14144000
7.50E-05	95.205	5805900
0.00038836	119.39	53435000
0.00011349	98.253	26209000
0.00046782	83.877	956130
0.01128	76.221	57869000
0.016121	56.632	622070
2.90E-05	105	5836900
0.0017615	56.29	3779200
0.0094591	52.172	6697200
0.00054907	92.538	1530100
0.021495	56.916	333540
0.00011379	95.236	11532000
0.00035257	77.24	27536000
8.27E-07	114.56	3478200
0.00034721	74.742	3011100
0.00067828	62.167	6076900
1.79E-07	123.83	28891000
1.22E-56	201.18	132060000
1.65E-232	300.71	435990000
3.73E-146	260.28	26292000
0.013228	60.019	1619700
0.011831	58.21	564880
5.96E-05	99.669	7701900
1.94E-14	145.72	1933500
0.040447	47.228	2409100
5.35E-08	153.97	73419000
0.0022964	57.293	3528500
0.00031043	109.44	30921000
3.45E-05	60.943	1796600
7.16E-06	113.24	8502000
0.010329	71.296	495570
0.00095774	79.639	1788600
3.03E-05	117.03	1960500
0.00091958	76.588	1855300
0.00019161	87.49	4140500
6.21E-28	157.7	23626000
4.87E-80	224.34	15692000

0.0065143	61.419	1904200
1.13E-05	105.77	14107000
0.026345	61.265	0
0.032816	61.353	665070
2.60E-05	104.55	1836400
2.36E-05	130.01	71658000
0.0049015	61.165	1163700
3.28E-155	260.57	277380000
1.84E-08	98.21	18479000
1.64E-65	209.53	77872000
0.00026318	105.13	5039000
1.11E-17	101.95	29661000
0.00015016	89.311	17787000
1.04E-11	124.4	4778100
1.18E-17	153.06	9636200
9.61E-30	168.84	26956000
0.000762	65.175	3824400
0.0003001	103.31	1408100
3.74E-09	137.61	27393000
8.58E-07	132.51	16436000
0.00020482	96.604	7768000
0.00021045	89.466	3817100
0.00077657	59.324	2353400
1.02E-05	134.56	27476000
9.09E-06	69.981	2070400
2.04E-05	102.69	15471000
7.14E-27	174.57	26860000
0.0037654	73.722	1370000
0.015126	49.482	8152600
0.03329	59.116	2224500
0.0067928	54.598	287680
0.0018456	99.973	10960000
0.0086168	60.49	2444200
0.0002887	84.508	4351100
1.77E-14	157.2	182580000
0.0092049	51.495	1980400
2.32E-17	152.01	131230000
0.012352	59.067	9715300
0.00052235	125.56	667470
3.21E-07	136.96	12047000
0.00028582	87.669	6488100
0.00029553	135.83	10020000
0.0083288	79.489	855950
0.0025057	70.628	16214000
0.023379	44.44	1837500
0.00033136	88.075	1528900
0.00052829	74.475	11196000
0.0081639	87.639	1141900
0.00042292	85.258	5815400
0.00089215	78.486	1299000

0.00046045	84.605	1496100
0.00016022	88.781	4248800
6.55E-06	128.85	34153000
3.86E-98	225.72	383250000
8.82E-05	59.991	1944200
5.64E-52	196.84	456060000
0.034101	47.808	1837200
3.99E-22	140.12	32637000
6.98E-163	267.93	33530000
0.0019193	50.77	3478200
0.00038693	74.698	3369300
2.15E-35	160.12	171000000
7.03E-08	93.093	9098700
3.76E-08	155.42	7881900
0.00035045	77.39	12405000
0.0020193	72.34	796310
0.013439	55.261	1500600
4.91E-15	150.9	22299000
0.00088534	51.104	2303200
1.34E-05	125.41	32705000
0.013217	59.15	2519800
7.40E-11	82.55	31848000
0.011331	56.951	363060
9.86E-144	246.63	266550000
7.15E-09	132.62	68717000
0.031416	59.634	0
0.021872	44.831	613860
0.00079901	76.728	5279800
2.05E-16	97.482	112270000
0.00026944	104.82	18762000
0.00082962	87.713	2777900
0.0012416	90.653	12326000
0.011307	55.04	377310
0.002089	86.275	1253800
0.0052727	93.649	2354300
0.019896	68.657	0
1.34E-05	67.532	4579100
1.18E-07	91.378	2886100
3.68E-07	88.573	3410700
0.028042	73.248	1036700
0.035227	43.305	326460
0.0030643	69.345	5491900
2.12E-05	131.79	20389000
0.04027	80.17	0
0.018397	47.242	935230
0.00037324	76.176	3287500
0.00019396	113.38	3042200
1.51E-05	132.56	48536000
0.0020771	63.727	843060
0.0003402	112.43	4795900

0.003998	69.672	3385900
1.06E-27	179.5	90495000
8.38E-20	166.62	78699000
0.032417	57.679	394950
0.012262	56.205	189940
0.032824	40.844	684070
0.00013903	104.09	6351900
1.50E-06	129.05	14193000
0.00054802	77.372	1507600
4.47E-10	86.869	3791800
0.000282	82.248	1382900
2.16E-13	135.91	3303800
0.018308	44.641	668850
3.48E-15	166.07	233040000
3.34E-05	120.96	1087700
1.51E-10	147.7	5836300
0.0025788	78.342	8815100
0.040918	55.546	0
1.12E-10	147.75	17806000
9.34E-05	92.671	1409300
0.0070248	54.276	5086800
2.50E-20	117.54	14408000
1.58E-11	94.767	6106100
2.01E-05	123.72	109490000
0.0076975	72.433	0
0.0018782	63.462	3013400
0.0078442	56.599	669290
6.08E-21	161.21	8454600
2.32E-09	138.87	1680900
0.002199	60.246	397800
4.93E-05	102.64	8560100
1.52E-06	134.3	8412300
1.05E-35	187.42	65693000
0.0055097	63.727	2657300
0.0002804	102.9	114040000
0.0073181	46.415	370070
0.00048377	100.23	472630
6.34E-19	162.26	3920300
2.46E-05	95.429	15551000
0.039703	42.639	1945600
0.0010594	68.919	18198000
0.00025825	102.33	71848000
0.0066487	61.11	1340200
1.96E-07	133.78	10207000
0.040697	50.827	142790
6.38E-05	95.554	765340
0.00035214	60.133	3199500
0.00022802	64.488	1942400
0.0082441	44.336	2487900
8.98E-19	147.74	0

0.0036684	58.83	700760
0.00021001	88.73	1348500
2.20E-32	172.6	13054000
0.021593	41.136	439340
0.0004512	82.85	45221000
0.020303	48.704	2225200
0.00075718	85.958	667450
0.034837	50.473	304530
0.0030887	54.047	3151000
0.01559	50.158	7001900
0.00093573	96.171	2369700
0.0097909	52.966	1668700
9.51E-17	145.13	10391000
0.034461	69.825	1298700
0.031065	43.69	769500
0.0051991	48.467	1893900
0.019688	44.105	1241000
0.0005795	62.002	1160100
0.013726	52.891	4412000
0.00061255	70.451	2950800
0.00020457	95.018	15386000
4.74E-10	118.08	23140000
0.00014712	69.72	2135100
0.0080816	54.898	636350
2.08E-06	127.3	26249000
1.89E-06	112.44	11670000
0.00011725	88.548	6848900
0.00013714	59.038	5906200
0.021913	61.561	0
0.0010099	53.615	2587600
0.00011519	102.52	18996000
0.016796	42.325	1104100
0.012923	43.293	1860800
0.0055281	48.115	729350
0.0057729	68.626	1937700
5.37E-09	142.4	53263000
3.09E-06	104.95	7234400
4.28E-05	112.8	10519000
0.016826	61.962	0
2.42E-14	141	0
0.00074803	77.593	1845400
0.0011301	52.249	4523300
0.0027154	73.632	5657800
7.44E-08	144.55	7523000
8.79E-05	112.71	17317000
0.0022397	106.62	0
0.022763	70.919	227020
0.021091	72.568	0
1.34E-05	125.48	12840000
1.14E-12	130.73	6674000

0.0001637	91.657	2789400
1.50E-06	106.35	11921000
6.39E-46	179.19	26477000
5.53E-05	102.63	33160000
0.0017361	79.07	218270
1.66E-05	126.12	189590000
8.33E-06	134.4	128370000
0.026953	42.981	2226300
0.049601	86.086	589370
5.96E-07	135.45	4074100
1.84E-36	184.87	553400000
0.0012849	58.796	1261800
0.00028699	89.44	6948000
2.57E-10	115.39	12847000
2.38E-05	140.17	10749000
1.12E-19	160.27	14915000
0.00017516	93.342	13913000
0.0016375	84.895	6776600
5.48E-05	113.14	5306800
0.0078954	68.224	2646100
0.0019441	86.344	8446200
3.42E-05	102.28	9560700
0.030683	43.813	82379
5.94E-05	112.24	20516000
0.022589	46.408	1539600
0.016346	50.562	365720
0.0020436	75.184	0
1.73E-08	145.31	15610000
6.34E-06	71.002	2649400
6.78E-05	99.392	2150400
0.00026712	83.418	6692600
0.022569	44.577	420470
0.029749	43.408	131440
0.012473	63.473	412760
0.0018112	59.512	11810000
0.042662	67.169	1578300
0.028842	46.159	1240600
0.00069989	73.022	8386800
5.56E-07	107.78	3186700
0.001591	57.414	374670
0.0031601	56.936	702330
0.01956	50.354	861310
0.031068	65.305	405560
0.046211	46.461	4412400
0.0001518	94.023	3063600
0.00022802	64.488	836960
0.00912	62.408	2165300
0.043536	52.247	451620
0.0019756	79.089	7970900
0.018093	83.849	669580

6.35E-08	129.89	7257600
9.89E-06	68.689	1719500
1.04E-07	143.24	11309000
0.040639	64.297	1720000
3.30E-08	142.83	9010900
0.0049594	91.812	0
1.54E-18	171.33	288690000
1.07E-06	75.436	10088000
2.86E-114	225.33	33254000
1.20E-06	80.02	19499000
0.012633	66.56	5400100
1.15E-05	106.39	5266700
0.0003236	66.467	7272400
0.0002598	56.332	3748700
0.036336	47.938	0
0.014892	78.113	36909000
7.01E-13	111.55	8425900
2.40E-06	121.21	591170
0.045079	40.278	312070
0.0045764	61.167	27955000
0.00022262	70.453	2122000
9.02E-05	98.902	1708000
1.31E-05	110.41	2982000
5.33E-07	128.05	5914100
4.56E-38	190.57	68940000
0.00025085	86.367	17107000
0.0013357	64.588	10259000
0.00012441	95.347	1055200
0.00030077	101.3	7012000
0.017564	65.574	1057400
6.29E-09	143.05	10146000
0.00021613	91.62	7145800
0.010404	77.192	646510
2.52E-05	105	8739300
0.0054659	43.31	848910
0.0014119	80.871	3416700
0.026672	40.085	13096000
0.0015869	88.056	6168800
0.00031865	84.753	284930
9.21E-27	172.61	247590000
7.45E-14	158.56	31693000
0.012727	67.022	0
0.00027382	105.2	4390100
0.032168	41.871	3022900
7.19E-06	125.67	8882900
0.013927	62.14	241960
7.60E-22	154.26	36830000
0.019443	54.486	150920000
0.0002948	83.823	1442200
0.04679	70.816	0

0.010809	60.064	389870
0.036795	45.661	3187000
1.35E-19	168.3	4112800
1.11E-12	129.51	21435000
2.43E-30	182.28	158320000
0.042718	57.034	573230
4.52E-08	138.42	17132000
5.58E-09	138.19	24365000
0.0096084	62.104	1011800
2.40E-07	122.94	12113000
0.0027896	54.834	565630
0.015894	47.68	291770
6.38E-07	127.59	51841000
0.00022694	107.21	3095000
3.46E-15	166.09	18909000
0.0075528	64.439	1789000
0.00010747	94.281	4456200
0.00013159	118.4	21375000
0.012352	59.067	1321300
0.00011625	96.247	39903000
0.00053335	72.898	4086200
0.00038809	79.346	27932000
0.00048298	79.805	6140000
0.0074025	58.164	3741100
0.0023673	59.733	548400
4.72E-06	126.71	0
3.53E-05	115.1	13695000
8.95E-13	167.12	12505000
0.00042508	83.692	971870
0.032661	53.395	827290
0.017683	62.287	549660
0.032486	48.004	369500
0.00062961	93.345	8435800
0.0012364	79.514	10247000
2.20E-55	181.35	23217000
0.00023406	86.453	3008000
1.34E-05	122.78	8135300
0.00090992	96.113	824910
0.024288	49.28	1307300
0.041227	56.225	190090
1.20E-05	110.38	1586600
0.040316	40.724	803180
2.21E-12	131.98	44934000
0.0022528	53.188	621280
0.0014127	68.413	3973500
3.46E-05	104.26	50150000
0.00097619	73.722	2017800
0.029138	51.268	2172000
0.0091301	85.676	4748700
0.00021581	128.03	1185400

0.0060849	71.349	218520
2.43E-30	182.41	128020000
0.0042181	101.39	7474900
3.67E-06	126.8	4381800
0.02431	46.66	3628300
3.09E-39	183.89	49069000
4.85E-40	185.59	140170000
1.47E-52	205.12	73742000
0.005278	83.883	4278800
0.039039	79.713	5823800
2.81E-44	188.27	434470000
0.0019694	50.498	1265300
0.0045545	62.378	1044800
7.67E-48	202.61	17931000
0.042576	77.318	1166500
6.39E-06	125.97	3787300
0.0011998	87.363	7181700
0.052687	42.243	502440
0.0076172	82.069	0
0.016777	76.17	3278200
0.0012577	65.175	5101600
2.31E-133	247.73	126280000
0.0013016	81.594	1892200
0.033352	42.191	492100
0.012998	89.029	0
0.0013014	67.685	2464900
0.0011064	71.513	3034200
0.0030205	75.819	375770
2.99E-05	105.14	8143600
0.018371	49.28	442390
1.29E-06	131.83	2081100
0.053706	40.767	1812000
0.0045694	68.536	9045700
0.00037622	99.568	6885200
3.30E-05	103.43	9074800
0.026866	60.158	0
0.00028838	88.092	2882000
3.52E-08	104.63	4974800
0.0009591	72.644	1312500
4.93E-05	106.4	18400000
0.00064707	81.525	5311700
0.027526	51.436	1555300
4.55E-07	129.38	7641700
0.00071635	50.505	660080
0.0035666	76.155	0
0.0079623	56.482	1065400
8.98E-09	102.69	12951000
0.039759	51.127	7114500
0.001672	96.034	294070
5.66E-86	216.16	86451000

0.016178	91.076	0
0.0018275	100.46	0
0.004802	51.566	792920
1.36E-08	132.6	10419000
1.62E-07	127.57	3598800
2.94E-56	198.88	97167000
8.93E-07	119.62	41968000
1.47E-23	162.81	93638000
2.03E-37	197.73	26130000
0.002258	69.352	1457200
0.00028059	82.349	5721400
0.00017644	96.82	4438800
9.83E-05	81.808	9439700
0.0083941	59.306	3291900
0.017872	70.942	0
9.28E-05	82.593	10716000
0.0015504	75.479	3806100
0.0072605	49.655	8769400
0.015552	53.567	797360
6.60E-07	137.98	3490200
0.0007209	131.62	28598000
3.22E-08	98.565	9874200
0.0028596	69.815	1089500
1.80E-06	134.23	93317000
0.00052537	73.252	3949300
1.59E-06	105.2	253860
1.02E-10	157.38	57419000
4.08E-08	141.58	15186000
3.09E-09	140.49	30069000
1.57E-05	66.925	3245000
1.81E-06	74.665	15515000
0.0025533	60.307	4685800
0.019567	60.628	885830
0.0068584	63.979	0
3.55E-37	169.84	12347000
0.0075198	40.017	2527900
2.66E-16	98.991	41747000
4.25E-48	203.93	492270000
3.95E-21	161.48	676140000
0.0016875	71.085	14120000
0.0061672	58.268	2758600
0.00010997	96.414	7556800
0.016314	54.784	2555400
5.44E-63	201.96	336460000
9.36E-05	88.071	2232500
7.32E-06	93.551	25342000
7.32E-05	98.368	1411600
0.020585	72.243	1185800
0.025812	47.062	316960
0.0072081	43.884	1778700

0.0054537	54.812	2193200
0.012557	51.688	744390
0.00064321	68.952	3383400
4.95E-38	184.87	6530500
0.010938	45.395	1706300
0.021156	55.196	965970
1.34E-05	120.06	10327000
0.0047728	58.814	1478000
0.0017821	73.927	1885400
0.0030861	73.666	10408000
0.00015477	71.042	5255000
2.55E-05	87.326	27835000
8.85E-14	136.02	145040000
0.00015331	71.202	8481700
0.00041158	86.463	8843600
0.025036	107.13	0
0.017338	93.262	483790
0.018115	49.356	1091600
0.016413	43.604	2792500
1.05E-05	118.66	51650000
4.29E-75	177.44	34827000
0.046203	45.598	126820
0.00147	65.716	7244900
5.45E-05	105.36	9945000
0.00033757	50.111	19771000
0.00036676	76.761	4160900
5.91E-05	77.693	1826600
8.62E-09	145	88668000
6.69E-16	107.13	17977000
0.0018458	49.525	2822100
0.0019416	106.42	10605000
0.0056314	77.191	0
3.13E-07	72.228	23098000
0.0022417	52.657	821160
0.00010771	112.83	3648300
5.46E-16	120.63	62932000
0.0040008	55.33	3341500
0.0057009	68.83	478030
5.10E-17	156.52	89340000
0.00018155	90.725	1514300
0.0028918	72.652	808040
7.38E-05	122.33	832290
0.026423	46.88	591890
0.047054	67.334	0
0.044171	42.629	240220
5.75E-11	90.388	19440000
1.22E-10	121.14	6202400
0.014844	65.038	0
5.15E-08	95.122	1267600
1.83E-10	118.54	17255000

3.32E-39	169.91	73698000
0.006757	61.612	0
0.00071061	114.4	1642000
8.12E-36	161.64	263670000
0.00088911	65.784	3651800
0.00011003	70.121	9993300
2.58E-61	196.02	16627000
0.00072723	72.417	2713600
5.04E-25	127.11	49041000
0.031885	42.639	513730
0.00068931	60.325	3876000
3.45E-09	111.66	5102000
0.0058807	81.448	0
0.00084148	118.48	6688900
0.035237	55.314	3000900
0.00036226	88.338	8535900
0.011475	58.37	333560
0.00056422	94.191	2024700
0.017989	74.92	17960000
0.01942	46.797	1118300
2.33E-05	61.807	2847800
7.24E-35	180.97	11106000
0.0020981	72.428	830570
0.0060782	77.744	497230
0.00015661	91.812	1377300
0.0019005	70.438	2547400
0.0018737	60.541	1008900
1.64E-12	149.23	4009600
0.026969	55.213	8594200
0.00036167	77.221	5044700
0.00016579	92.039	1561300
0.0052649	67.153	3257900
0.014396	87.913	0
1.44E-05	108.97	13702000
0.00016098	89.913	11872000
0.011579	49.559	103430
0.00013487	83.393	1437400
7.97E-05	113.14	123870000
0.033339	41.554	646500
2.35E-05	103.13	6349700
0.0024774	64.83	5987200
4.88E-07	136.6	50560000
0.001228	82.885	0
0.00053718	64.26	2044200
3.87E-14	157.86	126030000
1.68E-58	204.32	81790000
0.0006044	73.722	3202900
0.021037	55.094	562780
0.013341	70.54	0
2.24E-05	64.68	21439000

0.00022299	93.839	6636900
0.00056426	68.088	777720
0.00083258	71.08	2992700
0.00041398	72.489	1901700
6.19E-05	99.371	16496000
8.70E-06	125.51	13527000
0.00029455	76.574	5685300
0.014287	43.64	41103000
2.03E-06	73.072	1759200
0.0096559	56.959	2410700
0.00035254	113.25	2458700
0.00026307	78.975	1385400
0.0083046	61.11	3257300
4.35E-22	166.36	173840000
0.0014558	67.877	0
0.00032159	116.52	1826700
0.047751	53.278	0
0.00091731	109.11	23301000
6.49E-07	117.03	29416000
0.00043549	85.554	3905400
0.00041686	86.262	3083300
8.52E-05	64.127	7510600
1.27E-05	104.81	8969700
0.014588	50.123	734320
0.01537	51.688	2969400
3.68E-19	135.66	12691000
1.60E-07	79.016	25514000
0.0030113	59.15	91988000
4.03E-45	148.8	76057000
1.22E-06	109.77	14152000
0.00095707	85.522	59848000
0.0052931	64.224	66501000
0.01056	53.557	564010
3.79E-06	98.74	6108300
1.26E-06	109.28	3612600
0.049954	47.96	0
0.027979	44.005	393100
0.00043364	77.324	1650600
0.0094924	59.84	3216500
6.39E-05	109.83	8316000
0.00018473	97.734	722650
1.30E-12	132.51	704970000
0.0010848	71.879	1993100
3.08E-05	104.16	1804800
0.00087271	80.014	1521600
2.45E-12	126.43	6619400
0.0040125	66.137	0
1.05E-21	153.25	3901400
1.03E-05	131.35	5432700
0.0012574	87.713	1569000

0.044112	43.544	492480
0.00038503	56.957	15194000
7.08E-08	158.07	4423700
0.00035078	100.82	23943000
0.00037322	76.176	3251000
4.10E-05	63.625	2867300
0.0015039	83.53	1256400
0.020686	53.683	787450
9.69E-05	98.368	27721000
7.27E-05	105.46	2219500
0.0026191	49.266	2962000
4.48E-05	108.97	18823000
0.012715	55.007	4284100
0.0052913	52.866	2964000
2.29E-08	143.25	13647000
4.48E-28	148.2	664010000
1.26E-07	81.297	11100000
4.64E-16	94.185	15395000
2.11E-10	87.357	9929300
5.08E-34	133.47	62836000
1.11E-23	107.59	9027600
5.48E-07	78.531	38115000
8.78E-27	119.54	9245200
0.0010475	51.469	10896000
0.0098627	77.185	0
0.00053691	83.769	6784400
1.97E-08	150.81	6630000
0.030456	85.265	2855100
1.17E-05	121.36	7005100
0.0062266	65.241	7432400
0.019077	54.722	1994000
4.81E-05	103.77	3717000
0.001734	65.477	1790200
1.47E-08	124.84	2276700
1.74E-14	157.23	72405000
0.00029113	83.395	6770000
1.73E-11	108.79	18752000
0.0016825	89.356	31093000
0.00049441	83.314	1317900
0.00023157	83.54	15222000
0.0073268	60.161	837980
1.41E-07	97.776	55356000
0.00013724	76.049	1338700
0.0025625	76.85	21734000
0.00062566	52.402	4623200
6.14E-05	102.29	1273300
1.69E-06	84.707	22555000
0.0002246	64.415	6624200
0.0010576	128.28	6095200
0.00060107	67.251	13603000

5.83E-123	241.39	2603100000
0.013393	47.204	805590
0.019701	44.1	905400
0.0030363	66.989	1921100
0.00012693	92.633	14828000
2.59E-09	102.92	15381000
0.0048331	61.532	2506800
6.62E-05	105.03	4130000
0.00031913	55.662	9369100
2.21E-08	143.42	11631000
2.70E-22	176.6	16173000
0.00035856	59.837	7551200
0.0094864	114.87	2841800
0.00094023	57.806	6540200
0.0023806	83.37	0
6.67E-06	125.74	2368600
0.0014474	103.88	7116200
0.00168	74.611	1246700
0.0026266	53.625	1210600
0.000926	51.956	1326500
1.45E-08	100.39	6490500
0.029559	72.138	382980
0.0014861	77.124	242190
0.002247	104.17	1931400
0.007259	113.7	8095900
0.039425	79.451	2007200
0.049516	54.343	0
0.0002645	85.576	1423700
0.021133	66.568	242160
0.016453	50.467	535770
1.12E-08	128.44	59510000
0.001701	60.561	3712400
0.00010366	81.017	645600
0.010893	53.565	891280
2.53E-67	220.53	82937000
0.0038863	67.456	423570
0.0045671	98.033	0
5.77E-08	94.019	2304000
3.33E-05	122.93	3341800
0.0023692	62.237	2648100
0.034638	60.518	122660
0.00020844	94.007	3752500
0.017276	51.612	1965200
1.62E-06	125.36	12225000
0.00035613	72.772	5346900
0.00051478	73.722	703250
0.033407	40.996	1748300
0.00033876	83.877	1158900
6.41E-05	99.796	12856000
0.0013423	83.54	16970000

7.12E-14	148.41	103810000
0.00010278	96.489	11289000
4.34E-13	130.49	12832000
0.031173	42.226	639470
1.11E-19	167.73	18988000
0.0019748	77.744	2373800
4.88E-07	137.4	10367000
1.85E-15	163.46	86746000
0.003668	61.532	640120
2.78E-06	75.703	1712100
0.027925	42.068	236120
4.68E-08	140.63	6958100
0.0010944	101.25	8499500
0.0012521	70.889	3667300
0.0036166	83.647	7899800
0.00030112	82.515	1835200
2.75E-05	115.82	7013100
0.0033665	67.234	6621600
0.0032883	68.83	1760600
6.02E-07	121.51	1343800
1.15E-05	106.31	4569900
0.000422	85.287	933580
4.06E-10	147.64	5946300
0.0034626	90.108	9137200
0.000692	75.669	1374700
3.15E-27	178.08	9567500
0.0010613	85.958	570890
0.00027621	87.669	4873900
0.0090507	60.167	1906800
0.0024759	74.962	124800
0.0070362	54.368	2053100
0.018008	53.528	1165800
8.13E-12	92.552	24666000
1.05E-05	122.51	606390
0.012349	66.201	0
0.019738	45.608	379960
0.0086262	66.962	2549500
0.0038614	73.499	40499000
0.012391	45.069	1626800
2.27E-05	98.804	10753000
0.00017579	66.137	18066000
2.47E-05	95.365	1830800
2.06E-07	80.022	17052000
0.00020304	61.985	5901600
0.00042016	71.929	1306100
0.00061091	81.185	4639900
4.38E-07	120.08	32545000
0.0028643	78.655	3708300
2.13E-38	176.1	11017000
0.0037531	56.25	4439300

1.77E-52	199.91	671460000
0.0019612	69.27	0
8.50E-10	136.02	134310000
0.0045983	70.808	476330
0.018676	54.982	190320
0.00017656	63.869	3600100
0.002544	70.54	12933000
1.04E-05	118.72	10477000
0.00045495	73.809	2239500
7.27E-09	111.83	4494000
0.00085584	75.764	898540
0.002312	66.784	796790
0.025947	50.284	332180
0.034906	48.796	505770
0.045411	44.318	129700
9.25E-18	127.58	9456300
8.59E-05	102.62	8067800
0.0020156	93.851	0
0.0019174	84.687	9269100
0.0003002	90.697	4549200
0.0042273	69.216	973570
0.0055633	66.56	1702400
0.0039015	69.864	1327300
0.00048842	83.243	1474000
2.18E-40	189.04	45838000
0.00056601	82.774	6596600
0.0025057	70.628	4675200
0.00029687	70.452	609320
0.03271	49.418	386740
0.030063	94.163	5417900
0.00027111	88.021	1131000
0.00018523	97.779	3358600
0.0074281	60.08	1660600
0.020498	64.798	0
4.30E-36	167.72	3124200
4.22E-67	223.31	14524000
0.0013151	90.827	6155500
0.0066838	61.03	2016300
2.19E-67	221.09	206780000
0.011459	52.576	6889300
0.0098375	59.225	621450
0.017712	45.618	124150000
6.65E-39	187	29405000
0.0015603	71.558	1101100
0.04544	44.309	143280
0.0043781	69.979	704390
0.001601	79.82	1889100
0.0014127	68.413	2098900
0.015054	53.967	996850
2.95E-08	145.81	1982800

0.024756	57.794	1186800
0.0021799	60.657	11760000
0.00012783	85.203	5757600
0.0010141	94.297	5684400
0.0067347	54.768	812530
0.049614	60.973	1675600
0.0019293	59.728	2201400
1.17E-20	163.99	16524000
0.029659	46.88	286330
0.0012408	67.994	7005000
0.00033617	81.651	13374000
0.00038776	65.598	5745900
0.027191	48.44	226840
0.00020768	94.82	2053700
0.00011757	96.734	4706000
0.022913	56.404	0
0.049445	46.39	1481800
0.00025448	81.651	3375600
8.81E-10	140.68	7699200
2.99E-07	122.1	2786200
0.0025666	70.488	836500
0.029581	41.996	763270
0.00074486	89.171	2482200
0.000182	96.464	14171000
0.040312	41.743	1279700
0.00053842	68.676	2693000
0.00255	63.602	1507900
0.0070889	62.088	321400
6.81E-52	195.6	67766000
2.31E-08	137.4	85225000
0.0063976	58.817	1941900
5.11E-05	101.54	1191300
0.012093	54.343	152110
0.00061395	53.751	1934800
0.00038772	106.4	697380
0.0055028	102.53	10971000
0.00057891	53.998	2340700
1.31E-07	122.53	25214000
0.0003341	68.88	1047400
0.0039434	75.566	1451400
0.0010798	64.83	1050000
0.011693	45.88	652620
4.00E-21	154.07	34326000
6.41E-11	123.58	132740000
0.0055679	52.273	1008800
3.30E-10	122.47	8640600
6.77E-05	103.14	9332300
1.20E-10	116.45	20882000
0.0041031	74.841	2087900
0.029122	51.276	206720

0.00039599	92.247	2344400
0.023391	59.796	644000
0.00087295	91.307	7596900
0.0065226	74.537	47510000
0.0012163	80.522	8507600
1.95E-05	124.81	2812500
2.06E-15	119.25	20460000
5.86E-08	94.838	6406700
1.84E-13	117.22	69804000
0.017891	49.423	157180
0.01982	50.145	3434000
0.0010458	66.738	3025500
0.01887	56.916	510630
2.14E-06	101.16	12443000
0.021994	45.825	2143800
7.71E-32	190.35	17323000
0.02931	48.229	5919400
6.53E-07	135.29	17209000
2.74E-06	129.42	42712000
0.00058337	80.387	3674700
0.00046161	82.515	1284700
0.0062724	51.487	2966500
0.0020193	72.34	2095100
0.019403	56.043	577140
5.69E-44	184.6	14855000
1.18E-06	80.593	25139000
0.0052675	93.667	755720
4.21E-05	88.976	1449700
0.029979	50.805	214150
4.22E-05	103.39	9369200
0.00022654	121.45	19853000
0.0032961	60.307	213030
2.45E-11	111.44	39008000
0.0090104	66.299	1485700
0.05228	52.247	0
0.0010806	83.397	1832400
4.33E-07	118.72	4984500
0.01183	56.551	1082700
1.49E-05	90.193	2266700
0.01889	63.894	0
0.024715	61.165	0
0.0068793	63.944	3571100
1.32E-38	180.32	35842000
0.00012686	61.524	3019900
0.0062266	65.241	796020
0.025965	65.5	0
4.29E-07	111.57	15482000
0.0017005	86.898	1361200
0.0031666	62.377	129840
6.99E-05	101.36	5270800

0.00048684	83.617	234810
8.02E-06	96.591	9023100
4.44E-05	118.5	27620000
4.90E-06	129.88	2895000
1.64E-200	273.73	108260000
0.00028838	88.092	5191200
0.00011499	94.09	3062600
0.0056021	58.831	2017700
0.00069169	106.6	2620900
0.02705	40.693	626760
0.0028338	80.387	0
9.98E-39	172.58	11446000
0.00016456	95.073	4627800
1.54E-27	137.03	10428000
0.0019018	61.186	771440
0.00035348	100.69	6240500
0.00045542	86.911	4049400
0.00026584	62.302	3406000
0.0038634	66.906	0
3.52E-30	178.14	16107000
0.00024659	111.06	3078000
0.00063428	89.816	0
0.035968	40.515	706440
4.03E-06	130.1	8126000
0.027021	45.069	1851600
5.02E-11	105.71	14363000
0.01856	103.29	1985400
0.00045774	68.129	2017300
0.018234	48.527	4151600
0.0024378	82.417	5045100
0.0023832	62.165	566480
0.0010059	73.219	3387500
2.46E-11	109.5	17286000
0.026108	45.28	418820
1.48E-06	134.88	11554000
7.73E-89	231.07	146230000
1.26E-06	111.53	0
0.024804	43.764	2143000
0.040922	45.598	246910
0.00025944	92.247	4058700
0.0026718	81.338	8414300
0.024603	49.189	647320
0.0017832	67.252	131270
0.00099478	67.153	7924500
0.0089008	49.595	1383200
0.003422	64.104	1918100
0.0096869	72.928	1759500
1.63E-06	124.47	3621300
0.00046453	71.143	2957300
0.0094898	46.154	3761700

9.54E-05	113.44	37695000
0.037893	46.462	18656000
2.59E-08	107.45	9623800
0.0053341	52.784	1737500
2.74E-69	193.73	504410000
0.0010482	76.868	7220500
0.0033593	70.942	3675700
0.0034451	75.652	1440100
2.96E-05	141.52	5201800
0.0078265	55.186	820390
0.0030563	77.662	3196700
1.84E-33	178.23	22130000
0.00050857	96.113	2180600
0.00017977	140.14	1871200000
6.69E-20	162.46	1817800000
0.0052676	58.079	497540
0.036408	59.57	0
2.40E-16	140.67	69731000
0.0306	68.016	1126800
0.017271	48.14	175350
0.0059626	60.161	2430700
0.00050313	92.952	38320000
0.00023868	89.507	2754000
0.012799	54.768	741290
1.24E-05	130.15	61093000
5.89E-05	102.58	1926100
0.0039754	67.252	4692200
0.0064876	61.48	1148200
1.79E-06	127.49	23526000
8.69E-06	125.61	6081000
2.83E-42	202	24736000
0.00045966	82.578	3989600
0.026541	66.568	310670
0.00010306	100.18	8754600
2.76E-08	138.24	93239000
0.00073556	105.1	2951000
0.0039015	69.864	3146200
1.17E-05	106.87	5784300
0.00068855	99.973	12228000
4.58E-05	107.09	5531600
6.71E-05	100.73	1919000
0.0026447	65.495	1543000
0.014337	57.785	638450
0.0043054	92.611	0
0.00089331	58.964	2038100
0.0033336	110.84	604880
0.011005	75.088	0
0.00031422	67.214	1855700
0.012985	42.042	942000
9.68E-11	89.879	8069300

0.00023563	81.713	2217000
2.69E-14	158.31	40623000
0.00013368	94.325	17103000
0.0017569	56.304	1494700
1.78E-19	159.12	7693800
2.51E-16	148.33	1720900
0.0049741	55.688	1288700
0.0015856	62.709	8307000
0.00034383	82.449	1575500
0.00036869	76.586	25808000
0.00032396	135.55	28830000
0.00040233	73.707	6033600
0.00060472	110.66	0
0.00028142	91.441	9551000
0.00040263	65.784	1062500
0.00063351	70.335	1721400
0.0024414	63.682	6367900
8.16E-05	97.618	2589400
4.93E-28	173.06	16874000
2.78E-05	95.5	3418200
0.0059593	62.694	1609200
7.71E-05	77.576	2310500
6.82E-39	137.67	25551000
0.035468	40.693	407040
0.00026967	91.858	1699000
0.00085304	116.05	1975300
0.0326	47.971	75743
0.014005	72.34	0
0.0046178	68.83	2399000
2.36E-05	104.17	18706000
0.0058691	59.898	935310
0.0051369	57.499	2578900
0.003458	68.44	1681000
7.30E-05	93.753	1283800
0.042601	48.091	558400
9.43E-07	126.03	10794000
0.012088	63.534	1764700
0.0072837	43.888	1763700
0.0069509	68.536	1400600
0.0013817	91.636	6258800
0.0021956	67.234	1616100
0.0017583	70.555	2267000
0.023772	61.815	280340
0.011605	58.274	1260900
7.89E-11	152.67	7585100
0.0082097	52.814	2497900
0.020284	51.841	2689400
0.021455	80.165	2321600
0.00041898	76.158	364590000
3.46E-34	179.87	168960000

0.0033764	65.956	46746000
0.01396	58.098	399990
4.41E-05	104.21	3144300
6.43E-06	131.79	8497700
1.04E-07	149.23	101130000
9.38E-27	184.71	41781000
0.0019653	87.411	0
3.94E-05	101.61	14992000
8.87E-05	114.06	5501500
0.0043434	57.936	631520
0.00037011	114.51	30265000
1.16E-11	110.89	6724700
0.00017392	116.52	1434900
0.012409	56.087	193240
3.35E-11	121.33	8565700
0.00024651	85.231	3172400
0.011297	58.511	884400
2.05E-13	152.88	2265200
5.26E-19	163.78	12332000
0.027749	73.931	279400
0.0021662	127.02	10433000
0.050585	63.565	0
0.001157	88.036	0
0.0025443	64.507	2155400
0.018896	73.985	859210
0.040001	61.765	1107600
8.95E-06	131.42	25093000
0.00097458	74.78	4844700
0.0031226	60.55	1572400
6.38E-05	102.03	46413000
1.81E-49	181.98	75740000
3.72E-08	140.14	31406000
0.00011626	95.067	4096500
0.00091958	76.588	1042000
0.03649	56.569	0
6.67E-06	127.03	12260000
0.00025092	107.09	12312000
6.64E-06	127.07	82564000
0.00032823	101.93	29287000
0.01864	60.59	13918000
0.019039	92.191	531900
5.98E-09	137.4	16881000
0.00087238	75.483	9334300
2.97E-06	101.53	2806700
7.41E-05	84.946	1756800
3.17E-07	116.98	3503000
0.00038846	77.899	1294200
0.00022858	86.488	2815400
2.02E-56	188.07	124980000
0.0010848	71.879	1600400

6.29E-09	143.05	12948000
0.00038364	78.401	17985000
0.04474	43.476	1631800
5.07E-07	134.4	6757800
9.55E-05	96.756	629740
0.0034092	107.01	991950
0.00033701	78.191	12710000
0.048564	43.419	197410
5.11E-05	82.034	6936600
0.0003497	73.597	3430900
0.0051011	50.883	1024700
1.42E-07	81.055	79236000
0.012046	61.222	0
0.00011998	61.112	3034400
0.013362	50.04	3316200
5.65E-05	108.66	8244500
5.87E-29	162.42	13493000
0.0080816	54.898	718870
4.08E-09	113.36	5851900
0.045935	44.639	281750
8.96E-09	139.3	25832000
1.59E-18	130.81	37240000
0.00054802	77.372	1016700
0.011052	59.908	207700
2.93E-241	296.97	201270000
0.00027569	83.877	6638700
0.0024178	92.439	810930
0.0018535	71.268	117880
0.018102	46.892	609110
0.0014994	75.819	1309100
0.0019717	95.502	182810000
0.0022674	71.176	447270
7.83E-07	105.38	4287800
0.015982	48.527	212500
2.64E-12	136.49	4693700
1.30E-21	166.62	30652000
1.22E-06	132.17	7200300
0.004559	58.831	708030
0.001851	73.466	2130500
0.0041394	47.854	3255400
0.030195	76.228	0
0.0036063	99.442	4942600
0.0021004	86.189	503450
0.0010826	94.297	412190
5.66E-05	147.52	61888000
0.00031421	109.29	9181100
0.00093974	98.552	0
0.050504	71.949	975230
0.00021725	88.311	3805300
7.10E-06	134.99	25365000

6.60E-33	127.15	161720000
0.0096412	57.567	220590
0.053887	40.715	118010
4.48E-07	113.49	39625000
0.00038874	79.317	3324300
0.0043055	48.872	1678900
3.31E-08	129.71	17685000
0.0042045	69.261	3966100
1.18E-05	104.41	24403000
0.0014432	57.171	6904100
0.00055403	71.98	1666900
9.71E-09	142.57	78332000
0.028311	43.823	1773300
0.017943	77.379	929830
0.0089653	86.011	5356800
0.0061256	48.371	1841800
0.0032196	59.862	1933800
0.013048	60.118	1442000
3.95E-06	119.53	563590
4.41E-29	161.04	118330000
7.59E-17	145.73	22754000
0.00019898	108.31	10788000
4.60E-09	144.4	47451000
4.70E-29	160.47	37904000
2.06E-21	170.47	10453000
0.014586	51.03	2122000
0.0031792	66.809	1824200
3.78E-05	108.68	12987000
0.0035382	62.035	684990
5.00E-10	147.96	9221900
0.0081872	61.344	797790
0.0028596	69.815	586220
0.00024816	106.29	1588500
0.00039564	73.758	8277800
1.77E-12	100.93	8079100
3.47E-05	67.062	5926000
0.008582	59.155	2275800
0.00033581	83.823	11951000
0.015435	67.019	0
0.013401	55.291	127350
1.90E-05	107.69	8764900
0.014756	59.709	793040
2.34E-05	114.72	38414000
0.0073924	62.924	1079100
0.014371	50.102	1178300
0.00014359	94.673	8394000
4.81E-12	140.32	6112300
0.00012254	110.15	649360
0.021514	55.461	450420
0.013389	59.931	1990300

1.58E-53	209.11	108840000
0.00028645	110.38	20201000
0.0048311	56.514	1721100
0.00018155	90.725	21971000
0.0003383	83.252	12192000
0.00046756	66.76	1069100
0.0031004	109.11	111380000
0.00035979	77.391	2117800
0.00011965	93.909	3696000
0.012572	76.927	0
5.04E-12	160.77	17502000
0.010989	57.225	4598100
0.038155	43.382	693860
0.00025278	64.936	5413200
0.054147	63.216	387830
0.0015557	66.387	2547800
0.0015125	80.312	1165300
0.0060238	58.461	5099400
6.01E-12	157.5	16276000
0.0091511	66.056	1516400
0.00018583	122.46	727760
0.016848	45.257	1872000
0.0023093	81.525	2984500
0.00027119	109.72	0
2.99E-05	105.14	36233000
0.0087616	63.073	3186400
0.026839	44.391	1418700
0.014337	57.785	2848400
1.42E-05	68.657	1242400
0.048426	41.383	995490
2.22E-05	123.4	5389400
4.83E-05	105.9	5726600
0.0012013	68.944	2263500
8.69E-06	124.38	26348000
2.35E-05	103.13	2332100
0.00042904	94.717	1769600
0.00027099	105.46	10922000
0.018503	53.013	1505000
0.00033157	114.89	2516200
0.001803	94.85	723750
0.0020983	86.727	0
0.00042075	86.114	1210400
0.0016327	102.06	37232000
1.67E-07	137.01	9407300
0.0002494	84.829	5421400
0.019844	52.167	215030
0.0022343	61.495	2337200
0.031966	48.188	189820
0.00011112	94.728	1657000
0.0019899	83.948	6985800

5.19E-07	158.08	9590400
0.00024081	89.624	1671500
1.27E-05	104.81	1587500
6.42E-05	66.137	16752000
7.29E-05	73.459	22662000
0.027372	87.181	411280
0.00368	67.93	2047700
0.00045574	120.99	11961000
6.32E-05	104.07	5282500
2.13E-12	137.89	8125900
3.77E-135	253.06	153280000
0.00010881	108.89	13563000
0.021942	71.223	2327200
0.00074503	77.644	10807000
0.00032536	86.911	24534000
0.03519	46.324	4063600
7.64E-13	150.59	223870000
6.72E-05	98.942	20551000
0.0091644	59.607	1470500
0.0028566	64.675	680970
0.00027751	82.59	4461700
0.0050961	76.1	913070
7.00E-05	100.23	2170500
0.0025101	58.997	2300300
0.00065362	101.97	1373100
0.001291	68.972	3533900
0.018625	66.568	0
0.0023666	79.875	3894800
1.77E-10	146.86	2566700
0.04209	42.209	2708700
0.0002307	93.345	16124000
0.019398	50.484	1528000
0.00042012	50.166	4229600
0.052556	70.912	284800
0.0367	81.296	1082100
7.01E-22	152.13	12171000
0.02833	49.189	3765400
0.00083808	87.568	1130800
0.023256	49.448	1554000
1.30E-05	113.61	65514000
1.39E-19	167.22	80265000
0.039367	71.806	0
0.00086039	87.184	15914000
7.10E-05	100.11	752870
8.97E-05	115.91	1351900
2.27E-20	168	16561000
0.00023944	83.856	2992000
7.86E-70	200.2	199130000
0.00030652	80.508	3522700
0.0057561	68.657	195450

0.051807	71.296	22945000
3.05E-09	133.16	15185000
3.72E-07	115.34	11464000
2.13E-09	142.1	5598100
0.0016114	87.806	888060
0.0032403	85.862	56719000
0.00044846	96.015	5764900
0.017986	44.005	1422300
3.69E-07	134.13	5300100
0.00050111	71.08	11833000
8.72E-06	126.07	37820000
5.65E-05	108.66	162810000
3.03E-10	166.17	16367000
0.0075076	68.893	990760
0.00021284	87.824	18005000
6.19E-50	200.44	78056000
7.39E-96	229.56	252400000
0.047373	73.616	358610
5.51E-05	105.25	2024300
0.025087	55.452	177580
0.0056543	68.846	7619900
0.032317	56.514	0
0.0059102	68.371	3173700
0.0022119	82.029	1362300
1.09E-97	215.51	0
0.0001625	90.581	23488000
0.00017857	136.99	5594000
3.40E-08	155.58	20759000
2.78E-05	95.5	3238100
0.0059184	68.355	4883700
0.0038482	104.21	1198500
6.32E-13	131.98	15247000
2.01E-05	63.63	4990900
0.0012931	75.911	1988300
0.0050881	75.316	1432700
0.0004405	115.71	28559000
0.0036615	74.533	4730700
0.049649	47.915	223690
0.00052726	73.168	3150400
0.012089	49.62	2447900
0.0049796	64.945	3897700
0.001851	73.466	908320
0.0049183	47.281	5853600
0.00022724	74.703	1185900
0.013088	58.592	1278600
0.0013644	89.9	698510
0.0055444	60.161	501380
0.019135	52.693	428490
2.80E-12	138.82	13821000
3.63E-05	121.27	10919000

0.0021401	82.417	915050
5.69E-09	129.17	0
2.27E-50	201.08	6984600
4.26E-09	143.58	5528200
0.00053086	81.278	1268400
6.52E-14	149.3	29455000
0.021996	65.241	0
0.00093826	85.845	2693600
0.0022119	82.029	7534000
0.00041882	74.732	2199200
0.00010751	111.72	11480000
0.0034342	61.409	7641500
0.015918	50.354	3015600
1.82E-08	145.14	23728000
0.0013236	90.15	30624000
6.14E-08	138.31	42445000
0.017718	57.55	2423500
0.0086262	66.962	3211800
0.021777	90.657	1131800
0.0078555	79.469	1093800
0.00030843	83.894	7543900
0.033608	51.066	723270
0.0103	41.609	7205900
0.00072065	72.428	13051000
6.26E-07	103.73	8804200
0.0081608	66.023	477290
0.0084673	53.395	2945300
2.83E-09	102.46	22815000
3.89E-05	62.032	24271000
0.012064	72.681	0
1.45E-05	90.308	2037800
0.022508	82.171	871520
1.32E-10	83.557	4659400
2.48E-22	153.6	3553100
0.00033795	86.497	20785000
1.50E-08	90.397	4639400
6.64E-53	209.85	35421000
1.03E-08	107.57	71228000
7.03E-06	126.48	17815000
0.0069835	122.18	7704700
0.04633	58.63	264060
0.0066304	64.439	853800
4.28E-13	155.39	224450000
0.026339	55.415	731340
0.00040104	76.586	34005000
0.0007575	70.628	1324800
0.00018197	90.707	4276500
1.84E-05	122.14	6142100
0.043174	51.473	0
0.033729	40.515	453070

0.00056713	63.184	3835300
5.06E-30	185.6	95901000
0.011694	50.387	2128800
0.00075759	134.48	9854300
0.00051613	78.285	4291600
0.00088228	79.771	1546700
0.0025596	61.265	4781600
0.00045466	76.391	3018600
0.00062406	61.139	2051000
0.0050685	71.085	561620
0.04447	49.621	2303800
7.03E-05	74.251	1322400
0.0020471	65.495	570660
0.040517	61.56	127840
0.0049741	55.688	3218000
0.0033079	51.526	3230900
5.32E-08	122.46	14563000
0.0065226	74.537	41160000
0.0092226	49.988	6517300
6.97E-07	137.4	16914000
0.027722	52.254	502510
0.0071728	57.267	794620
4.11E-06	129.84	6226600
0.0052583	75.294	1705400
0.011466	51.073	1453400
0.00028731	89.43	2818100
4.08E-21	110.33	11869000
6.46E-13	133.51	11954000
0.0039997	74.364	0
5.46E-05	112.34	6780400
6.38E-13	131.3	60892000
0.0020158	64.04	4376100
3.07E-05	116.87	1590900000
1.10E-09	147.53	620950000
8.89E-06	130.64	220130000
0.00080996	54.53	110100000
0.00050129	54.223	106700000
0.0011406	93.556	2094800
0.00012277	102.33	22261000
0.0013682	77.204	1547600
0.025982	42.58	120770000
0.0029906	59.728	1754700
0.006707	90.601	2409700
0.0052819	67.312	0
0.0011266	68.576	847450
0.015019	87.308	178830
9.73E-05	101.89	4428400
2.18E-08	108.69	8263200
7.59E-05	119.03	3864700
0.024215	89.142	101310

0.00039165	55.669	1351800
0.0065633	59.57	2642500
0.016729	50.222	263060
0.0084333	67.995	0
0.00027956	83.871	8596600
3.73E-28	160.8	4564800
7.35E-05	98.337	4148400
1.41E-05	103.73	7364500
0.0015942	57.981	2399200
0.011797	59.426	2733800
0.029666	49.333	3365300
5.95E-06	125.86	14544000
1.53E-13	154.47	7570600
0.00022736	95.873	4303900
0.011331	56.951	2096600
0.00011623	90.654	6055600
0.014762	57.985	0
7.93E-09	137.8	16168000
3.81E-157	244.71	13712000
1.54E-62	193.45	58329000
6.18E-05	95.873	1083700
0.0002576	58.627	263410
2.22E-39	180.41	99369000
0.00021839	86.944	17869000
4.89E-10	123.55	3902600
0.00096517	70.47	1154700
1.55E-05	108.32	5244800
0.00040681	73.138	9925000
0.0033127	107.66	230160
0.0012017	61.757	1469100
0.00016018	86.189	255500
7.83E-15	117.61	5113300
4.57E-06	131.35	7609400
0.00016486	85.932	5978000
0.00069554	60.347	2073600
2.70E-20	116.83	2710300
0.0015911	76.158	802620
0.00031013	136.8	18840000
0.034948	69.825	656650
3.59E-05	134.38	28410000
0.0059246	65.842	1861000
2.03E-09	142.4	5321000
3.35E-07	116.44	15222000
0.0016759	87.149	11486000
0.0057864	63.091	977870
4.31E-05	116.06	10430000
0.00083373	61.957	1433200
1.58E-22	144.48	81686000
9.14E-11	106.1	13847000
6.87E-06	125.56	2032700

0.0468	40.477	3210900
0.0079394	65.092	339060
0.00015085	92.063	3757500
3.01E-12	98.565	14067000
0.021637	41.115	550270
0.0023433	40.017	4024600
9.00E-05	114.31	6536300
6.39E-06	103.2	5466000
0.0019648	72.705	474820
0.0001209	100.38	1372900
0.016585	47.855	70776
0.00039336	106.18	7193200
0.00091826	86.189	3753100
8.00E-05	112.5	29901000
0.0079623	56.482	358410
0.022069	52.79	432270
3.73E-07	121.01	150850000
7.85E-05	98.407	11104000
1.07E-06	130.02	26487000
0.019543	52.391	200170
0.017501	47.545	1005800
0.0011154	107.15	9108600
1.24E-49	200.93	240610000
0.00020758	95.755	31565000
3.77E-08	142.08	3437100
0.0011224	73.435	2218900
0.019766	91.906	117710
0.012759	63.037	273910
0.00091191	67.646	222170
0.036745	40.237	232310
0.00013623	88.486	4399800
6.63E-16	113.05	39811000
8.19E-05	62.052	3010100
1.03E-10	89.631	4592300
0.0017176	96.171	260130
2.01E-08	105.72	3279400
0.010062	59.418	579030
8.42E-05	93.909	952860
0.021401	51.013	887990
0.010294	50.053	1373800
0.0010533	60.134	4662900
0.025014	42.382	929810
0.007623	59.607	335960
0.033743	43.761	849560
1.49E-29	173.33	50790000
5.10E-29	163.41	389490000
1.33E-05	97.776	53487000
0.00075847	98.754	1966700
0.0010926	93.096	675750
0.00049173	87.363	9628600

9.51E-147	257.54	163650000
0.00028428	88.224	2899600
0.0033689	58.49	5493700
0.00013115	98.694	113790000
0.0012784	61.87	1867100
0.00035848	76.82	1021200
1.16E-06	133.87	27560000
0.025668	42.095	921230
0.00026287	79.337	3803800
0.0095582	61.593	1168400
3.12E-05	113.24	57291000
0.00071395	99.53	5758000
0.0026768	103.31	755740
0.022245	41.136	2795400
3.48E-06	131.12	5523500
1.63E-08	126.84	13402000
3.44E-06	77.19	6326700
0.00026757	80.975	6672600
0.03063	44.543	1832800
3.07E-05	122.12	11387000
0.0069423	61.097	2676100
0.024674	56.768	375900
0.0020589	85.807	11679000
4.48E-07	118.46	7787100
0.00028331	89.911	26249000
1.19E-29	138.12	30688000
5.89E-05	101.38	20575000
0.0023016	71.634	0
1.20E-07	92.416	7449100
6.95E-06	141.89	107900000
9.75E-08	149.82	1964500
2.85E-09	157.66	37087000
0.00012964	135.55	17254000
0.043555	44.847	8956900
0.00029517	89.189	15912000
0.00038068	98.105	10690000
0.00040576	73.464	2490200
0.0012408	91.584	452370
1.37E-20	120.33	43829000
0.012329	80.755	439720
0.000148	110.84	32384000
0.00047383	94.767	8868000
0.00050837	78.508	2831100
1.23E-18	147.39	45146000
1.31E-08	129.89	1572600
0.00076304	65.598	289970
8.90E-10	146.67	13800000
7.45E-07	135.04	2149400
0.00025781	91.307	2226500
0.025401	43.198	7001700

7.25E-248	295.52	759570000
1.42E-56	201.14	558150000
0.00014652	94.882	2252000
0.0049219	69.03	2151200
0.00034811	82.8	28423000
5.91E-14	157.23	4180000
0.0064718	55.189	600540
9.91E-07	136.57	10315000
5.52E-14	157.35	19146000
0.0041498	58.864	17308000
7.86E-09	142.57	63858000
0.01812	42.791	1243000
1.63E-05	68.234	10982000
0.00018493	62.285	9154000
6.28E-06	124.47	887270
9.46E-05	61.111	4112500
0.01103	69.815	3768800
0.028434	66.19	457640
0.004121	74.76	2036800
0.00059106	93.058	2550700
9.21E-05	97.631	6889300
2.21E-114	238.02	152520000
0.0029487	70.438	1307800
0.0070025	67.93	2738100
0.0099001	60.434	126570
1.27E-06	128.86	1285400
0.033655	45.33	1058300
1.49E-05	112.56	5286600
0.0031328	91.087	963920
0.0023916	82.831	763310
0.0022512	59.918	454540
0.00037122	80.459	2680200
0.0006108	64.295	1403900
0.008997	70.685	5262400
0.025721	50.237	2554400
0.013878	67.252	0
2.42E-06	80.68	2111400
2.63E-07	143.42	20141000
5.42E-07	88.856	3844000
2.33E-24	159.72	13535000
1.32E-06	133.86	31661000
0.0029109	110.12	8931700
0.0083762	54.768	2701700
0.031828	50.831	1107500
0.028	54.073	454470
0.0006534	81.789	4352100
1.62E-06	72.37	3765800
8.99E-13	134.32	11217000
0.0016636	85.619	0
0.00076506	95.417	672430

9.51E-06	126.56	25964000
2.48E-06	134.37	9012500
2.33E-08	105.56	52193000
5.07E-64	211.45	15160000
0.017777	49.559	1857900
1.03E-10	124.51	38404000
0.00035224	74.364	4528600
9.18E-12	128.67	20795000
0.016805	56.482	243990
2.60E-15	139.25	14246000
8.50E-10	116.94	22735000
0.0075737	61.11	1017500
2.59E-12	128.95	29117000
5.77E-05	89.511	15866000
1.13E-10	84.011	66766000
0.00058203	60.363	36619000
3.32E-12	146.68	9491200
0.00017214	90.316	1892600
4.20E-31	191.33	35285000
1.41E-60	191.79	73640000
0.00012079	120.21	107150000
0.011905	83.869	0
3.68E-18	121.5	32507000
0.019844	47.223	1492000
0.0082425	58.658	2283800
0.03106	66.261	0
0.0017367	80.245	2161900
0.021086	47.204	813210
2.13E-26	175.21	94685000
5.35E-13	162.49	42659000
0.00019956	77.53	5094500
8.42E-29	160.47	34027000
0.00058182	75.319	5304900
7.08E-20	169.09	23103000
0.0099033	55.094	1416100
0.001273	79.089	2352600
3.85E-09	151.16	20910000
0.012447	56.29	1200200
0.00013027	97.417	165580000
0.00011935	95.236	6869200
0.00026452	106.67	3583500
0.0087562	59.996	0
0.00047388	94.203	3001200
0.017183	57.788	1376300
0.00046232	82.482	3057200
0.00013535	84.689	13575000
0.0007988	99.752	683430
0.00031006	86.777	2276000
9.17E-22	176.18	10900000
6.10E-12	139.44	11980000

1.80E-08	145.17	824940
6.00E-19	160.79	4416000
3.24E-07	79.553	10385000
0.0016038	73.279	1103900
1.84E-19	160.46	1891600
0.00058422	100.55	783460
1.12E-10	86.722	3016800
0.00026532	82.034	908300
0.0022228	80.507	1806200
0.00091632	63.376	545190
2.23E-13	155.37	520890000
0.00059641	77.66	11026000
0.0028518	89.266	13397000
0.0034266	57.41	2625200
0.01539	65.495	0
0.0027123	66.738	1212300
1.13E-06	115.74	73188000
0.00034583	87.356	4467700
0.037123	60.325	0
0.00057566	74.141	832980
3.49E-33	192.5	5461300
0.0023888	105.36	5531200
0.00015712	102.5	7071000
5.60E-05	100.01	68537000
0.00037287	87.352	3753100
0.0012078	63.578	782790
0.0087146	76.165	8275900
0.031337	49.423	1775400
2.71E-11	153	12169000
1.83E-25	185.33	9927600
2.29E-05	105.58	16882000
0.0028676	91.636	0
4.09E-06	121.21	1982900
1.11E-11	98.924	72443000
0.031041	44.252	2501300
0.0023694	71.933	3242600
0.022468	50.222	1073700
0.0006886	95.018	3432500
0.0059406	75.509	1135500
9.72E-05	97.2	7998700
3.72E-26	170.95	18957000
1.90E-12	130.17	11550000
6.53E-57	183.24	29972000
0.00022693	133.23	21861000
0.018049	59.75	8106900
2.93E-05	105.99	4246600
0.0061668	62.338	212230
0.0016087	72.662	16596000
0.0003618	109.16	1912200
0.041714	63.184	1942300

0.0033625	76.228	356550
0.00016829	131.42	4908500
0.00028881	79.942	9711400
0.00038867	81.428	7015800
7.36E-05	111.34	4374200
3.27E-05	128.76	20289000
0.00030479	118.61	4884700
0.0016502	89.466	1432400
6.87E-19	159.66	17323000
0.012416	59.607	863160
0.0015716	78.964	15199000
0.0096881	114.89	0
0.047345	50.158	952300
0.025214	67.207	18353000
0.009579	70.68	1370500
0.00014951	95.651	4430000
3.47E-10	87.439	11609000
0.0085314	103.7	4093800
0.0065199	64.5	4059100
7.07E-08	96.045	24663000
1.19E-06	73.24	5657400
0.00063236	58.137	3965900
0.00096033	126.39	21301000
0.0035877	72.29	287100
0.031004	67.704	1239500
0.00084921	109.66	2328800
0.00062183	82.202	1245500
0.033014	51.643	399770
0.00052562	71.286	401150
0.047863	52.495	0
0.0065996	109.72	5927900
0.031137	47.09	5420100
0.01301	53.038	896220
0.00037962	89.44	1799700
0.0057251	80.469	3465100
0.00099422	103.26	4117700
0.0077347	64.121	918830
0.0011243	93.561	453540
5.11E-49	194.98	13461000
0.0023764	63.681	2882100
1.53E-05	99.569	15902000
0.00069797	101.3	6017400
0.00021317	96.135	12424000
1.60E-16	102.19	35872000
0.0040103	84.213	541740
2.43E-28	177.39	11189000
0.010376	75.213	19408000
0.034212	60.301	525380
0.024698	97.463	1472300
0.0062221	87.789	2362100

0.0037147	97.734	0
0.00057396	100.69	2836000
0.0070897	118.48	14310000
2.41E-06	130.4	1661800
1.82E-20	163.9	66290000
0.00034622	100.22	5793400
5.58E-05	103.67	8617300
0.021776	47	1713200
0.026467	42.568	4575400
0.00027625	106.16	3359800
0.0013599	81.643	5809400
0.0003136	86.641	2011100
2.62E-05	99.409	5179200
0.048101	50.188	3422100
0.018678	63.48	201030
0.00059583	112.36	988500
7.78E-05	117.27	39416000
0.00045142	73.688	26880000
0.03162	70.816	862020
1.36E-05	129.37	7249400
1.52E-19	161.82	3306600
0.00090658	85.974	17326000
9.91E-36	202.2	2873000
0.013183	60.08	1513000
0.0057462	69.979	1185700
0.00064815	92.925	3398100
0.002542	67.095	646450
1.37E-47	192.54	23194000
0.017081	40.706	2178800
0.016487	76.228	1154200
1.29E-08	105.65	49514000
0.00025237	86.258	1706800
2.39E-10	119.66	38185000
0.00016094	86.959	1539600
8.13E-06	113.25	8906000
0.00078843	55.417	2031600
0.020045	58.159	2773100
0.0002308	73.981	4805100
0.025354	43.64	663120
0.0022664	134.77	10603000
0.038845	56.139	237390
0.00038208	95.365	7544200
0.00012253	110.31	10536000
1.58E-05	123.01	2439600
6.99E-15	142.99	3220500
1.97E-28	163.41	70711000
3.29E-14	158.81	10250000
0.0019644	59.547	2991800
0.0089723	53.255	2813200
0.00035994	79.837	3238500

0.00092515	108.9	3797200
0.033566	63.184	277460
1.06E-21	155.58	0
8.40E-06	131.69	8680000
5.67E-241	292.76	1046700000
2.93E-06	115.42	19525000
0.014308	64.945	3937900
0.001647	63.337	4199600
4.70E-07	139.78	27325000
0.0011438	59.857	1290900
0.0030341	79.693	2647800
1.06E-08	105.51	7385900
0.0321	52.862	7293100
3.19E-30	187.85	111840000
1.41E-05	110.15	7622000
0.0017311	88.803	1198700
0.0030861	73.666	3888100
0.0054102	56.036	1081200
1.47E-05	124.1	6758600
0.018261	50.843	315780
0.00055289	70.986	3385500
2.02E-36	162.41	49670000
0.048046	52.008	2238700
0.00052915	71.143	1016100
0.0016699	68.168	1310600
0.00044655	116.84	0
1.59E-08	134.52	9201100
2.24E-06	84.529	4203100
2.11E-09	138.73	41017000
5.00E-05	61.112	2770300
0.04376	57.225	168490
0.0016571	89.403	517180
0.019958	57.019	390360
0.0082369	61.524	0
7.45E-05	75.764	3702700
4.61E-57	185.67	52098000
0.0074462	67.207	475240
9.05E-05	103.13	17169000
0.0039528	72.898	1330400
0.0010636	85.924	1538100
0.0058027	52.169	9531900
0.0016645	79.492	6749000
0.028115	86.472	936810
0.0035302	64.589	0
0.015681	52.42	815900
0.00039076	81.346	15312000
0.0014873	77.633	1070900
0.023364	56.013	1019200
0.00013398	72.676	8066300
0.00058962	73.597	4229200

0.00088108	96.773	1500500
2.20E-31	190.66	61963000
0.040162	44.246	194430
0.043769	44.457	410750
0.0084626	58.487	4525200
0.0052598	68.44	3751800
8.94E-05	97.86	12196000
7.44E-05	65.428	2977700
0.0052458	65.805	659350
0.0058355	53.188	2190300
2.61E-15	117.43	25581000
0.0023435	65.105	1009500
0.0019701	86.014	1928800
0.014512	61.167	862500
0.0004177	100.04	3635800
0.013817	74.944	5576300
4.17E-06	138.42	5551900
0.0089215	73.781	7160800
0.0096	63.694	241550
0.0091174	64.04	1769900
0.050411	43.502	769080
0.0054863	53.773	780690
6.53E-07	127.37	6736000
0.00027809	90.759	5588800
0.00030189	90.731	909120
0.00040623	88.552	16282000
0.0033694	63.062	4715600
0.0082821	107.29	3254300
0.017803	58.699	526660
0.00010808	98.531	2452400
4.79E-14	159	11794000
0.00050832	117.7	5378200
1.64E-46	198.52	48257000
2.03E-07	142.45	69000000
7.40E-36	200.86	35495000
0.0026444	75.819	14999000
0.00030305	78.674	3005200
4.33E-09	146.5	14853000
0.026502	49.632	581770
0.0013048	68.481	1977500
9.86E-05	120.55	10655000
0.0027843	100.02	1306200
2.28E-09	147.24	48193000
9.59E-21	120.92	58109000
0.0032336	80.245	1513900
0.0063055	79.633	4582500
0.019752	65.809	570160
2.15E-28	162.82	1248000
4.12E-05	118.54	52174000
0.011972	66.784	2640900

0.0017947	107.09	2639400
0.031554	43.594	5381800
0.0068275	52.318	554010
7.23E-05	95.365	5495600
0.015571	42.472	1377700
0.021162	74.162	1954300
0.0014741	106.62	1630600
6.11E-11	113.89	15749000
2.87E-27	152.96	60625000
0.0065853	79.23	910060
0.00057064	94.538	6669400
0.0022313	93.442	900010
0.026765	87.323	3024500
1.77E-08	127.32	12816000
0.0004108	82.925	2703900
2.48E-08	108.69	6514200
3.34E-07	142.89	2743500
0.00043119	87.719	1388400
0.0069444	65.5	6961400
0.0011876	101.72	625150
0.032152	44.601	1436400
0.01481	87.308	511590
0.031166	49.466	1706700
0.014305	57.567	955790
0.0002503	99.161	32985000
0.0023666	79.875	17352000
0.036287	65.719	855720
0.012299	48.354	2671600
1.43E-05	123.59	15394000
0.029245	62.799	547970
0.0025225	74.338	5211200
0.025132	52.101	6330200
0.0015939	105.4	9486700
0.00065143	115	1690200
0.00021579	97.463	8452100
0.052392	42.095	347330
0.0032554	78.985	6237900
0.015577	61.815	0
0.02803	73.26	1333300
6.47E-09	137.93	7577300
0.0028865	70.563	3397200
0.0029981	91.62	455480
0.0018006	65.105	924340
0.00029723	92.19	3680100
0.0084366	106.42	1691000
0.001825	96.665	1470500
0.0028046	63.29	191480
2.28E-05	65.125	5372400
0.00067385	89.353	3209200
0.027526	51.436	871980

0.023106	51.841	2058800
8.44E-05	98.676	10306000
4.54E-08	155	9666900
1.18E-139	252.33	79480000
0.0045861	45.542	3034300
0.0013466	75.479	671540
1.93E-12	94.957	5895900
0.00055834	112.85	0
0.016614	54.343	1612600
0.0038417	51.568	2618600
0.0003828	108.43	1139400
0.0011863	72.615	2209400
0.0044089	61.649	997270
0.018498	46.159	458100
5.30E-06	74.763	2845200
0.0024291	82.494	534090
0.051598	59.245	0
0.047297	56.205	148090
3.44E-06	123.84	29091000
0.0022213	118.71	10564000
3.99E-07	141.89	68772000
6.63E-05	67.418	2505300
0.0066908	62.891	1932800
0.0045853	60.401	237310
0.020217	75.378	1259800
0.03236	53.491	143870
0.00050396	99.752	11112000
0.0011592	77.185	16717000
1.86E-41	185.08	0
7.77E-05	99.344	19989000
0.014475	57.293	0
0.0047377	80.755	1391500
0.045771	43.798	1027300
6.24E-08	153.05	6493100
0.043504	45.257	343220
8.16E-09	107.75	607370
8.68E-05	107.09	19290000
0.0025481	63.292	2920000
6.98E-05	100.11	34005000
3.47E-33	178.22	64398000
0.006819	80.002	4235400
9.87E-08	124.94	10984000
0.033174	51.276	194990
2.37E-25	177.81	4182600
0.00071386	72.797	1986800
2.09E-06	134.81	5985400
1.13E-25	128.37	45787000
1.64E-07	79.784	3557900
0.023431	65.5	491260
0.0051992	93.649	1095200

0.0065977	72.643	1989400
3.56E-20	166.86	9365900
0.0055022	132.25	470460
0.00025905	80.236	4263800
0.00093961	97.597	11213000
9.10E-05	122.34	28957000
0.013108	69.01	963300
1.07E-27	188.27	45215000
2.67E-11	106.5	57903000
1.37E-11	111.3	9561300
0.055482	101.64	49643000
0.0031205	63.894	1281700
3.23E-05	113.61	5093300
0.00035822	81.854	7434600
5.90E-20	163.34	5831200
2.13E-07	135.81	2376300
3.14E-05	63.376	2440000
0.036389	54.157	135310
0.025392	50.354	677930
0.0028781	63.29	620360
0.027364	51.528	315710
0.0016148	79.82	2453000
0.0002209	108.56	17143000
0.018652	49.463	6222400
0.0021238	92.538	566100
6.34E-05	136.96	14110000
0.0011693	74.987	620440
0.022281	50.354	995440
3.18E-11	125.08	89980000
0.00095751	103.55	8979600
0.011088	73.887	908580
0.0034306	71.221	6288600
0.0066347	54.368	996330
0.0068868	120.87	12322000
0.028409	72.879	2037300
0.00065231	55.171	490560
0.054148	41.644	1916100
0.00089988	109.16	3086900
0.00044256	74.793	7103000
0.00072601	81.128	10490000
0.0012144	82.663	1137500
0.002727	54.457	1591100
0.00027625	106.16	3926400
0.020449	44.457	1912500
0.0077859	110.12	2276200
0.001388	75.102	2864100
1.72E-22	157.53	120250000
0.0041959	75.89	171280
0.045764	44.029	2076300
0.0019331	61.87	716960

0.0061905	54.974	1057900
1.44E-05	67.778	2140800
2.07E-63	202.52	570810000
0.00056828	74.428	843610
0.028861	43.791	965830
0.0060807	64.121	1999800
7.80E-06	104.2	5445600
0.045019	43.991	139110
0.00015834	93.738	2977600
0.0091174	64.04	1238600
0.00057981	61.985	1805400
6.85E-06	132.13	13299000
0.00050201	115.78	62692000
0.01856	70.412	16003000
2.51E-05	140.78	33714000
0.00060867	92.792	6638900
6.82E-24	161.1	25985000
1.80E-41	201.38	14365000
1.07E-26	116.78	342090000
0.00033642	118.73	8519100
0.0006626	73.138	10072000
1.13E-16	122.84	38628000
0.0019777	49.745	6395200
1.65E-68	195.59	299580000
0.00012699	96.773	1726100
0.00035141	122.55	26372000
0.0010691	78.401	12803000
0.0017637	71.354	3152000
0.046233	44.564	1039500
0.00085405	67.579	13085000
9.03E-05	86.825	8253400
0.00046693	97.911	7950300
5.80E-08	95.223	2985500
2.46E-62	202.52	208340000
0.00038179	75.868	13618000
7.19E-05	91.964	99328000
0.031708	54.047	4437500
0.0053673	53.278	8292500
0.032241	56.569	0
0.00016831	90.755	2024900
0.035225	62.303	0
0.028234	71.756	3626700
0.0062846	67.416	1496200
1.09E-05	130.1	11376000
0.00089237	79.614	6015900
0.045492	45.879	258080
0.030703	56.748	0
0.0040726	68.171	3522600
3.77E-36	159.13	7256500
0.00025289	90.229	1598900

0.00092545	97.813	5497000
5.53E-18	131.41	13429000
5.92E-13	155.43	18967000
0.025378	54.974	1975000
1.84E-09	96.181	20323000
0.0029766	77.192	1237600
0.0098261	77.677	956210
0.004708	72.096	1070900
0.00051959	111.5	300090
0.0056385	76.827	781990
0.00033767	120.55	4054700
0.0023086	72.29	2944200
0.000277	80.994	5318400
0.0072196	63.682	1657200
0.0029929	67.415	4280300
0.00104	73.593	6411400
0.034638	66.351	85780000
0.0027647	80.916	916460
0.0011134	72.175	938770
0.00077084	88.427	3212000
0.0055893	98.048	1814900
1.10E-05	130.01	8101700
5.97E-11	155.97	2422900
0.015946	48.729	1546400
0.0069148	85.958	181350
0.00078964	69.422	1020500
0.00047934	71.872	1938600
0.0053763	53.958	1277900
6.56E-09	139	17784000
0.00030131	98.062	1303200
0.042782	53.754	0
0.0011215	93.598	2754000
0.035386	56.936	991960
0.00046052	70.538	2670800
1.00E-08	131.56	22833000
2.43E-05	122.93	50571000
1.74E-06	119.87	20669000
0.00026532	82.034	3538600
0.011229	58.132	1113600
1.54E-07	140.78	19765000
1.10E-11	138.82	4684600
0.0022068	85.61	318560
0.0013526	60.764	240290
0.0055812	70.134	2101600
0.00129	82.505	3093900
7.25E-08	133.42	3175400
0.009104	49.433	5838600
0.0084921	62.799	573310
0.00038908	78.021	2060100
0.00088965	79.639	893100

1.20E-06	73.166	2924700
0.0006844	67.449	1018800
0.013578	58.04	4962700
0.048694	45.077	58322
0.0010621	78.069	3085000
0.024817	70.028	1017600
0.0011509	94.363	4659100
0.014877	42.325	3545400
0.011662	60.434	3369600
0.054237	41.621	518940
0.00032907	121.21	16987000
3.80E-06	117.2	900140
0.026714	47.814	761960
0.0071999	58.116	329350
5.61E-21	122.06	10177000
0.00020099	96.82	578220
8.04E-06	130.47	142980000
4.31E-05	101.75	15995000
5.50E-05	119.04	6325900
0.00012303	87.772	4457900
2.65E-21	156.15	6588600
6.28E-05	113.67	15837000
0.0050111	58.758	941590
0.029042	72.243	915980
0.0091234	77.124	0
0.00021556	93.115	9089100
0.0182	67.93	148020
3.09E-15	151.26	11247000
0.0033943	69.456	11592000
0.010985	85.734	3461300
2.44E-26	117.85	16496000
0.00030718	91.858	4904800
0.0022471	62.94	665200
0.011169	76.17	133050
0.0022318	70.26	915410
0.016399	56.205	1316900
0.029496	47.037	6095700
0.00025285	91.441	2330700
0.0088755	66.826	851800
0.017869	49.31	1176800
0.0019373	95.775	12237000
0.0004059	101.38	3507000
0.028712	47.242	906410
9.69E-05	97.223	34096000
7.55E-05	88.04	4912800
0.013861	54.276	2051400
0.036966	52.019	1724100
0.039701	44.367	259630
0.00042587	76.118	1918700
1.90E-05	106.6	14135000

0.0023158	82.34	4441900
1.21E-10	150.51	5409700
0.0008381	50.865	705720
0.026219	54.143	492210
1.23E-16	169.82	31230000
0.034016	43.37	2260700
2.24E-06	123.02	4745400
0.00038531	87.863	8944700
0.0041099	56.081	3448900
8.28E-06	96.341	2358400
0.0015885	79.466	5257500
0.0012166	107.55	0
0.023144	46.129	54577000
0.002298	124.08	5438300
6.03E-10	140.45	29105000
9.13E-05	100.23	11394000
0.00027528	60.687	5428300
7.24E-161	244.04	326460000
1.22E-05	126.39	8873000
1.84E-05	98.562	2952800
0.0022438	65.716	1091300
0.049942	60.59	239000
0.0077888	72.34	1728800
0.011957	71.241	0
0.00019825	101.5	856050
0.0010384	78.354	251870
2.60E-08	95.287	106100000
0.00098025	78.814	1161500
0.00098025	78.814	479760
0.023584	45.257	1078000
2.20E-41	197.36	83653000
1.58E-05	101.49	2389400
0.0015017	75.89	9474400
0.00011716	101.53	76546000
0.0029863	60.949	3040300
4.35E-21	169.58	29730000
2.76E-13	166.11	8653400
0.0071578	113.7	457630
0.001162	103.83	0
0.00020285	117.02	28636000
9.11E-13	133.17	0
0.00014975	94.569	2613800
0.011472	60.641	665260
2.41E-05	115.29	8085100
0.029562	45.33	291270
0.0039226	77.192	1898200
0.0011067	91.202	7490200
0.047103	42.338	3246100
0.006702	41.749	371280
0.0018199	99.973	183040

0.011891	59.606	1581500
3.70E-15	115.96	45372000
0.013832	66.326	867680
0.0019777	64.89	2966800
0.00014118	96.23	501110
2.43E-12	129.29	2544200
0.00012331	97.129	4275400
0.0321	55.841	0
0.00012514	135.55	1128400
0.036396	103.7	0
0.04591	45.79	944050
0.0077143	58.32	1646100
0.002609	61.186	929710
0.0029204	79.886	2474400
0.00010719	96.435	8414400
0.0019989	86.344	364030
9.35E-07	109.5	13152000
0.00081196	78.191	4271800
0.02712	57.173	0
0.036897	54.259	0
0.0046283	53.255	4297500
8.82E-05	119.39	4328900
2.95E-07	143.5	28117000
2.29E-05	108.59	28164000
0.00021578	118.4	1777600
0.00040384	87.363	5145300
3.73E-26	188.91	13139000
1.73E-09	143.83	8129100
1.29E-05	125.72	76795000
1.16E-09	143.69	40530000
1.26E-29	172.57	14784000
0.014072	51.684	3164500
0.00040567	119.27	2696100
0.014468	70.622	14956000
5.22E-06	132.91	22985000
1.17E-27	179.55	151980000
1.28E-32	171	364910000
1.51E-11	139.39	9949000
0.0020081	73.464	1703100
0.012622	53.377	2118600
1.05E-12	152.67	13502000
1.49E-19	164.22	106520000
0.0074196	52.045	4300400
3.82E-43	175.99	237180000
0.00024587	89.232	5313800
0.00023973	85.51	1699600
0.031509	41.323	1257400
0.0010388	78.903	539900
0.0053955	78.655	365770
0.00032758	79.013	2719600

0.012198	52.265	4243300
0.00046054	82.55	7970700
0.0013203	70.529	3553800
0.003472	84.498	64832
0.0015548	62.94	3971900
7.67E-05	108.43	1495700
0.00040714	54.152	1273200
6.07E-05	125.74	2406900
0.033349	42.958	491430
1.55E-06	76.823	17390000
8.42E-12	158.34	4831200
1.54E-05	91.889	2268000
0.014636	59.245	1333600
2.14E-06	131.11	21545000
0.0083516	87.258	1160300
0.005489	101.25	1772900
0.0070036	54.412	1685700
0.0028679	82.029	1057500
0.019346	66.023	1545300
4.00E-19	178.46	181110000
2.96E-06	125.72	0
1.70E-11	108.88	22177000
0.0059339	100.45	14289000
0.043382	64.675	0
0.0011548	65.949	2552200
0.00032807	72.383	19846000
0.0049053	85.161	4229100
1.74E-22	176.48	11434000
0.00010844	127.51	143810000
0.012642	49.356	323220
1.90E-78	217.39	124520000
2.17E-06	133.87	23553000
1.86E-64	213.63	289730000
1.14E-15	124.4	11028000
2.85E-05	112.02	1397700
0.042628	77.282	116540
0.002769	79.148	1357900
1.31E-12	132.48	189790000
3.30E-22	174.05	39063000
0.0003626	77.137	4220700
0.016481	58.23	594490
0.021028	101.33	670970
0.0020029	93.143	2108400
0.00056722	94.538	301530
0.019776	91.9	5095000
9.52E-05	98.573	16219000
0.010319	64.04	426050
3.63E-67	213.36	14649000
4.04E-07	134.04	70830000
0.009239	62.104	828190

0.013201	55.452	577660
1.88E-06	81.922	11781000
0.00044432	76.85	4812900
5.42E-07	136.83	257600000
0.023517	89.369	971470
1.43E-24	162.81	395480000
0.00029108	86.575	15626000
0.0051122	64.64	481640
0.007407	57.034	3067400
0.0032132	109.86	94619
0.00024257	112.11	2383100
0.019928	47.548	1542500
7.36E-05	95.409	19392000
0.00021599	80.541	1470600
0.005217	87.476	0
0.050064	54.471	263570
0.00427	60.157	503510
7.79E-05	125.28	1227100
0.0024166	60.489	236980
1.59E-23	107.17	5616900
0.00075713	79.886	13259000
0.0076457	75.652	166470
0.02321	63.602	0
0.0015041	75.788	1503100
0.00010169	95.631	5545800
0.013465	48.547	2232500
0.00068854	77.357	3352000
4.38E-07	120.08	49902000
1.34E-12	145.91	67553000
0.0021885	92.051	10567000
0.00048809	75.89	1017400
4.11E-45	177.87	4146700
6.61E-09	113.54	89317000
0.027542	52.814	10364000
1.30E-21	151.41	59791000
0.036437	45.764	1128000
0.0048203	51.524	5023200
2.27E-12	129.06	7224500
0.013849	47.752	1379900
0.0028648	78.653	15764000
4.23E-05	121.95	71588000
0.0052667	62.165	5118100
0.002667	73.9	16999000
1.35E-06	136.27	8853900
0.015915	47	621940
0.024155	122.52	941370
0.0018235	68.676	4339500
0.01551	53.6	1947000
0.00051398	53.96	1770200
0.00030222	85.469	11960000

0.0098411	54.343	3400600
0.0077756	80.102	1403200
0.00010676	143.37	38169000
0.02009	49.929	533660
0.0011334	93.152	0
0.0027378	88.819	13711000
2.59E-09	147.52	8393900
6.50E-05	109.79	1218300
0.023404	51.927	1121700
0.011641	50.874	587280
7.10E-24	162.87	41720000
4.19E-05	90.896	4775700
0.0080167	50.966	264940
0.0040932	50.916	3299400
0.00040437	69.03	2580600
0.0057095	52.52	2107200
0.041379	61.344	1736200
2.42E-05	143.79	72746000
0.027526	53.6	3124500
0.0096716	65.157	37682000
0.013303	50.562	1989300
4.79E-05	119.51	12594000
0.00013635	114.21	14106000
0.0011441	89.992	1955000
0.000445	76.82	316280
0.0070588	89.886	11367000
0.0057138	59.862	5874400
0.00017744	107.06	1291400
0.012903	67.981	1925700
0.00017151	94.122	17814000
0.01043	55.899	3632100
0.0016919	49.902	1382500
5.07E-06	75.106	4088700
7.45E-14	155.09	9319000
0.010891	54.237	750090
2.49E-05	104.2	95012000
0.00083373	61.957	13104000
0.013495	48.899	1513000
4.47E-06	130.19	34271000
0.025258	47.227	8319200
0.011025	55.291	2374400
0.00023745	73.722	2794300
6.73E-08	142.91	29357000
7.93E-22	151.22	22689000
0.033124	47.894	181880
1.24E-19	146.77	8389200
0.00013097	99.732	69267000
8.91E-06	124.3	1696600
8.00E-44	186.89	45369000
0.003602	74.841	6371600

1.55E-05	123.51	24181000
0.012132	60.167	5357800
7.16E-06	132.56	3378200
0.0059994	91.867	525960
0.00043364	77.324	1691200
4.04E-05	107.03	41343000
5.82E-05	119.96	4766800
9.20E-17	115.45	17976000
0.0022493	96.015	1205700
0.0036207	105.57	7498200
0.018465	83.265	1321900
0.001278	66.777	8118900
1.59E-21	154.95	55504000
0.00010326	96.435	1434500
0.016368	56.225	548880
0.00013143	66.871	3300300
0.008528	59.198	7880000
5.19E-06	108.18	10956000
0.0019579	58.98	28134000
0.00014348	109.1	10117000
0.003099	52.169	1868900
2.51E-05	65.753	3782100
3.05E-11	110.14	2883800
1.97E-07	155.06	24590000
0.023895	48.568	272820
0.020591	62.203	0
0.018531	55.469	0
2.04E-07	72.881	1464900
0.002512	65.565	31667000
0.00010836	97.463	1277600
0.013816	47.545	2071100
0.008105	75.695	0
0.00078969	86.313	1996600
0.00022299	93.839	38070000
9.16E-05	97.767	9407200
0.0033556	68.676	1289900
0.00046548	75.911	1390900
9.21E-13	131.97	11022000
0.0015174	97.431	3353300
0.0013923	80.979	520350
1.01E-11	130.01	72656000
0.00055249	94.82	7442200
0.0040418	81.338	923730
1.54E-12	149.82	47570000
0.0042163	83.182	805590
0.00089356	79.875	2163200
0.039607	59.265	1622300
1.27E-08	129.12	5247500
0.00076628	88.803	10301000
0.011007	73.881	0

0.00039844	73.983	2906600
0.00022295	74.742	5089400
0.016357	68.355	0
1.21E-05	107.72	32262000
1.31E-75	206.43	53438000
1.65E-15	139.25	40591000
1.22E-08	129.43	16224000
4.52E-05	106.87	5268100
0.015617	53.453	260560
0.019086	47.532	419540
1.21E-05	119.88	1992500
0.000302	62.684	1000700
7.16E-06	74.308	17766000
5.57E-05	108.36	1273200
0.00058264	91.961	3538200
0.0024755	55.589	1359600
0.00057803	62.792	5194100
0.0026718	81.338	1562900
0.014486	49.988	931110
0.0037745	55.763	3347300
0.0084338	67.994	0
2.05E-11	125.23	22252000
0.0011376	82.417	2452300
1.05E-13	136.66	3081700
9.66E-11	154.15	10350000
0.0003641	80.411	1714800
0.0081316	96.492	964630
0.015232	89.752	2693700
0.0011183	127.68	85294000
0.00073185	64.275	2035000
0.00021826	85.362	10280000
0.0062908	50.957	1140900
2.41E-05	114.88	0
0.0041437	58.723	2242300
0.024139	61.593	1109900
0.0030362	68.034	1918700
0.0059861	65.719	1139500
0.016908	54.343	896220
0.035582	42.242	3549700
0.0055113	66.663	225160
0.017129	51.726	1344500
5.86E-05	119.77	8624200
0.022951	47.915	275310
0.010319	64.04	812220
0.0038448	91.62	0
0.0063009	50.938	191730
0.033729	40.515	276400
1.82E-06	134.37	28502000
0.00015295	110.14	10877000
0.00045928	95.483	6827100

2.41E-05	61.37	529220
0.00070493	99.688	4186500
0.0049126	87.639	669010
0.0051704	82.069	0
4.07E-25	167.92	51803000
0.0009824	94.85	341990
0.0060328	65.627	472510
0.00037852	79.771	3916000
0.01314	74.162	5136200
0.015547	70.02	0
0.0021309	85.958	947110
0.0046144	58.817	1245600
0.034656	55.314	5859900
0.00023765	88.282	4338300
0.023324	51.979	1039500
0.047513	73.975	908250
0.0010376	68.481	659960
0.0008574	68.187	2443300
1.81E-204	284.79	88712000
1.79E-83	206.95	60119000
0.00060209	81.494	170000
0.0049986	61.03	755940
0.040413	44.614	381550
4.71E-05	119.54	6492100
0.00018979	90.367	7008400
4.86E-05	119.4	14602000
7.54E-13	151.1	18885000
6.33E-05	113.69	4501400
4.08E-06	130.95	27534000
0.011649	61.815	475840
6.48E-05	71.428	2753000
0.0033593	70.942	6583400
0.0014716	69.435	0
0.00071477	79.639	6971800
1.44E-06	102.19	11871000
4.26E-05	120.32	184110000
4.09E-05	99.313	1719900
0.0014359	80.737	4700100
0.027362	45.722	5592200
0.018732	52.891	548250
0.014823	48.899	948560
0.00015641	97.767	43839000
0.00062775	66.644	3823900
0.00047788	123.51	2970200
0.0030751	58.635	2430000
0.0039886	84.198	1539200
0.00015357	88.781	4716300
0.00083187	77.894	10291000
0.00058433	80.371	1707900
0.0010405	66.809	3475100

0.00034302	83.692	1803000
0.00051089	71.637	3118100
3.16E-11	109.23	1694400
2.79E-28	150.72	7677400
6.59E-16	94.185	18251000
0.0030692	50.098	2998500
0.00024948	85.563	11394000
5.81E-05	109.44	631080
9.75E-05	72.801	2467300
5.52E-06	107.15	4550900
8.72E-09	106.1	11048000
0.0011767	77.204	6185400
9.72E-05	123.96	2285300
0.0068977	70.412	4263800
1.71E-38	172.34	17929000
0.031026	56.404	1600700
0.00051668	93.096	469150
0.036408	59.57	0
0.023794	49.423	1126100
0.017183	46.324	10956000
0.0048312	92.538	0
0.016298	85.807	6533400
0.00012859	118.61	4166700
0.00033777	87.831	5391100
0.023303	78.334	1424600
2.44E-10	86.701	5893400
0.0012229	81.92	30615000
0.019804	47.301	1652100
0.00091129	78.287	8188200
0.043497	44.863	1735500
2.13E-07	120.08	10347000
0.00080394	88.155	3570800
0.00047833	74.618	4786500
5.10E-10	114.76	11083000
5.26E-19	163.78	22436000
0.0025637	65.809	1697400
0.00060084	94.551	3190000
0.018976	87.149	1754700
0.0010616	76.728	1905800
0.024168	70.399	6877300
0.016729	50.222	3787700
0.00014023	89.604	2603700
6.17E-11	90.166	10143000
0.0097632	61.213	311820
0.030974	48.44	246740
0.0094157	58.487	1157800
9.32E-21	123.71	11195000
3.83E-05	99.747	7219300
0.0026682	72.958	97543
0.0242	64.374	0

0.04006	58.132	0
0.0048691	61.423	356310
0.030778	60.364	3825900
0.0019219	87.99	0
0.0086371	50.252	7691900
8.09E-14	155.57	40058000
0.028067	73.616	1858400
0.0045444	78.342	355960
0.0015491	76.526	3963100
0.0057108	66.267	1896400
0.00014986	92.211	3855500
1.42E-05	113.38	460520
8.06E-26	134.67	53864000
2.05E-13	135.98	7172600
1.21E-07	122.83	3529400
0.0010911	93.111	5569000
0.017694	64.454	0
0.0030893	71.555	936050
0.00095967	67.418	4033800
0.012681	64.798	155110
0.032014	45.213	919950
2.95E-05	119.4	7184400
9.02E-05	96.734	5118700
0.0074064	97.798	5733800
0.000258	105.98	823830
6.56E-28	150.95	26827000
7.51E-09	105.57	71670000
0.0047786	77.677	4975000
1.62E-07	92.518	2825100
0.006165	87.323	518620
0.0086408	86.67	165360
0.00056769	93.561	288820
0.00066112	74.133	1624900
0.0099001	58.098	4645400
0.0037886	58.671	635280
0.0084504	107.01	4989400
1.72E-05	121.9	115150000
0.0001749	89.866	2464600
0.01495	49.28	888200
1.50E-13	153.41	10817000
0.010268	59.265	3621500
0.016881	105.42	29370000
1.33E-66	223.31	11586000000
9.70E-09	133.86	485210000
4.97E-24	135.69	2516700000
7.86E-14	108.49	135540000
0.035478	81.784	1242600
0.012344	75.043	1306000000
0.00080394	88.155	4292500
0.00022409	84.762	14796000

0.0001452	82.56	147660000
7.97E-09	139.66	49621000
0.048977	64.757	441110
0.034884	66.429	478150
1.09E-21	148.33	11717000
0.00011146	93.768	12629000
0.037444	43.594	347040
0.0017124	79.201	15779000
0.024553	70.256	137680
4.73E-05	106.6	1403200
0.000144	93.226	10384000
0.00099783	84.821	3812000
8.55E-06	134.98	36581000
0.0045256	78.934	1164800
0.00020986	114.4	7014500
3.96E-13	163.66	93833000
0.0099802	83.948	783230
0.0005454	103.6	0
6.38E-05	106.55	19058000
0.0044068	75.89	8559100
0.011115	93.096	0
1.69E-06	124.21	6859800
0.0022316	67.095	7267400
4.97E-05	106.35	22241000
0.0091354	55.314	552110
0.032872	47.894	1181800
0.003801	46.399	3820000
0.00017371	92.925	5965900
0.00051755	74.853	1169900
0.0012751	69.045	1074300
0.011746	54.65	273490
0.00093168	85.958	780760
0.00024959	82.755	4386100
0.0072223	70.908	116740
1.41E-07	76.799	2379300
0.035347	42.317	1040100
4.31E-06	134.38	71622000
1.13E-13	158.34	151150000
1.68E-13	158.01	244430000
4.31E-16	145.88	171060000
0.016435	94.662	1872100
1.78E-21	171.85	80345000
1.02E-29	185.96	30058000
0.00060014	79.347	3833700
0.00010748	112.84	1015100
0.00042524	86.498	18319000
0.0075388	62.633	258280
2.59E-63	212.1	118070000
0.01039	75.764	750550
4.52E-05	119.92	6771300

0.0014235	62.847	2117800
0.0015766	73.252	3645500
0.00016466	77.1	14492000
0.0019254	84.605	5323700
2.07E-07	94.72	25566000
4.70E-19	136.77	33569000
0.012082	50.376	948320
0.039512	61.958	769530
0.00017807	117.02	779930
0.0080746	73.219	424140
6.58E-05	99.069	216950000
0.0080401	60.196	25919000
0.010361	54.094	508830
0.00010734	108.25	13593000
8.14E-09	139.49	107850000
7.59E-08	124.94	29283000
0.012508	66.889	2793200
1.36E-06	119.38	2346400
0.012825	62.861	2167700
0.00032924	86.777	2969600
0.00099783	84.821	718290
0.00030529	80.596	579830
0.001591	90.05	725840
2.58E-17	172.56	158390000
0.0004489	82.925	5435900
0.0037626	89.08	13566000
0.00037553	85.287	29631000
1.13E-06	123.58	3024400
0.0028697	62.081	537200
0.018066	74.841	2314300
1.01E-05	128.51	18934000
0.00017467	88.57	16741000
4.48E-05	65.207	3692900
0.0004225	85.271	56255000
0.033558	66.92	721660
0.0048799	89.663	0
0.00037704	79.837	7279900
0.020581	53.751	877310
0.019828	65.092	0
0.0054856	74.165	313970
0.019699	60.019	438230
0.0073522	81.789	0
5.99E-06	146.11	87023000
0.0010632	93.442	9210300
0.00020618	88.951	8833800
0.0056543	128.61	2794600
4.75E-13	134.47	46961000
8.71E-05	83.31	7217300
1.03E-08	154.15	36094000
0.00059156	101.66	4135900

0.00042513	97.163	4130300
0.020819	53.597	429700
0.006529	64.64	1332600
0.00090234	86.463	3680800
0.0014111	100.76	0
0.00039982	98.407	1604100
0.015049	55.721	6407800
0.037825	49.224	403030
0.0017021	86.882	1016100
0.00061775	79.804	5191900
0.0040099	88.768	0
0.00022972	91.202	15269000
0.00041977	71.376	1870500
0.011325	56.956	1117200
0.00023514	106.88	7802700
0.0050055	84.817	432450
0.0028175	111.04	3613500
4.96E-07	140.49	19084000
0.046099	58.37	0
2.91E-06	128.94	9108000
0.0028122	99.531	0
1.90E-05	120.27	3041000
0.00085269	63.488	1912300
0.0034618	75.566	270390
9.61E-08	149.33	6768200
0.0038446	64.534	1972500
2.14E-05	122.44	8702800
0.011681	85.522	1310500
2.26E-08	143.31	82319000
0.0012668	81.676	4261100
4.49E-38	185.32	25709000
0.00013535	112.5	2834500
0.051864	53.869	0
0.0057335	48.773	2007100
0.0074552	65.5	1378600
0.054574	41.704	393650
0.0054551	43.324	5752100
0.041227	56.225	626900
0.0037954	73.841	6000300
0.023756	41.41	1472800
1.56E-12	134.86	37777000
0.00046719	95.094	1168400
0.00017614	107.74	26733000
0.0095792	49.306	1394900
1.85E-06	135.14	30021000
0.054988	53.237	0
0.042387	57.225	1991500
0.0070991	55.724	3813400
0.030373	56.569	1300200
0.011935	52.527	4467000

0.00021597	88.385	44132000
0.030957	48.44	161550
1.18E-05	104.41	3394400
0.00054969	73.722	1260500
0.028583	45.347	4597500
0.051933	54.772	0
0.0052341	67.214	1173600
0.00045579	76.341	4642700
0.0025104	83.081	15678000
0.021375	45.723	2081300
6.70E-05	110.98	28239000
8.57E-05	113.53	1580300
0.014369	56.225	580080
3.94E-12	96.793	7161500
0.00055784	83.204	8557200
0.031243	60.161	0
0.03941	41.383	191870
1.83E-05	106.32	5392200
1.92E-05	120.06	7654000
2.55E-13	151.44	54550000
0.0024175	66.809	6179100
0.0034759	73.219	1135600
0.00042783	85.845	2048900
0.0049717	73.466	210390
0.00068619	73.415	2228800
0.00047908	83.53	7076100
3.04E-05	104.21	7607100
0.0011543	123.35	38180000
4.06E-56	186.82	15907000
5.19E-22	138.49	7905300
0.0001175	135.79	5530500
0.0058757	107.79	1331200
0.0003973	98.105	1715800
0.0015465	58.107	4765600
2.96E-16	142.27	10122000
0.0016652	87.258	702320
0.006084	62.408	913660
1.98E-05	120.6	7388600
0.0092364	55.213	474850
0.0003336	101.66	6541800
0.01111	45.305	7091900
0.0048206	81.771	1373000
6.55E-74	224.24	66783000
0.0093262	61.344	1593400
1.57E-05	66.447	4017200
1.13E-05	128.9	2117900
1.34E-09	138.91	30398000
0.0042783	56.768	461160
0.017058	84.916	24435000
0.043116	50.207	1153400

0.0011331	82.494	12166000
0.0059834	71.692	16946000
7.16E-05	118.03	42169000
0.0070703	61.703	0
0.0024914	59.634	3211100
4.14E-05	133.75	21248000
0.015685	61.213	2080600
0.0005283	58.332	1023000
0.00079626	65.022	3432600
0.00030467	83.252	2029500
6.83E-05	91.932	11763000
1.27E-05	123.02	4119800
0.0029419	67.275	10986000
0.00028138	78.661	17257000
0.0036716	54.355	599830
0.02262	100.07	1368800
0.041767	54.005	745100
1.03E-10	145.82	11721000
0.0056021	58.831	569460
0.0001429	110.53	13252000
0.0078442	56.599	5933600
3.04E-07	136.38	8341900
0.00017641	87.429	3653400
1.96E-09	134.58	11285000
0.0091469	94.662	7326800
0.00045539	120.87	3140300
0.00023485	85.988	1118800
2.73E-41	195.1	8661500
1.03E-06	133.05	2056500
0.051504	43.761	170920
0.0010056	84.687	840260
0.00018835	88.552	8417600
5.12E-07	111.93	7838200
1.42E-06	104.06	8470600
3.27E-05	121.82	4379000
4.01E-07	85.913	4243800
0.029561	44.691	319140
0.00078921	71.279	5094100
0.00017547	114.56	2865700
1.40E-09	146.59	47627000
0.00010516	93.478	4839100
0.0022419	84.17	1639100
8.13E-20	162.94	669450000
0.00035852	77.506	3733100
0.00022872	87.647	18914000
4.50E-50	179.5	0
5.73E-09	137.84	7090200
0.00014934	92.8	8285800
0.00022201	90.229	5926800
0.0025751	61.186	1452900

0.00013171	80.994	16472000
0.0023652	119.39	315420
0.0074672	69.737	0
3.84E-06	123.08	19305000
0.015588	114.6	1761700
0.024581	64.224	0
8.14E-08	150.81	9207300
0.017966	41.711	711540
6.79E-09	128.32	27119000
1.99E-05	107.17	43128000
0.0068798	68.83	971470
3.34E-12	141.08	6619600
0.0010511	49.312	5196000
0.054123	53.377	0
0.00029707	83.692	2582700
0.054678	55.401	797250
0.00055263	112.71	375950
0.0019957	62.813	2747100
0.00014845	103.7	10004000
0.0037507	61.212	896670
2.25E-05	117.93	78601000
0.0016388	58.796	6198000
0.029015	94.669	117140
1.08E-05	70.67	1074500
0.01831	49.298	442220
0.00031016	88.19	8246900
0.0057297	63.462	16984000
0.017929	44.788	3704400
1.60E-05	106.32	9869800
0.010546	52.112	7355100
0.0010507	58.479	1659000
0.031795	55.291	156530
0.00036835	76.704	3794900
5.77E-28	158.11	29994000
0.00016217	97.734	15173000
0.01399	97.798	2022900
0.015283	57.174	845290
0.024016	60.541	0
1.67E-05	127.78	31964000
0.0004297	73.597	1161900
0.0063542	91.318	469450
0.0037972	104.37	9055700
0.0022292	76.332	1696600
5.77E-06	125.61	9295700
0.00016279	88.319	21192000
0.0068596	71.501	2217600
6.31E-07	109.05	17996000
0.00017595	92.856	5654800
0.010799	102.87	0
0.0067471	79.875	0

0.00012964	135.55	6640700
0.00036882	70.615	957870
0.017718	57.55	1135200
0.00046643	85.672	2683100
0.00014015	92.773	2784500
0.00045928	95.483	17303000
0.00030692	104.82	1171200
0.023527	49.5	676770
0.00068142	65.423	2305000
0.0060207	81.95	1209500
2.11E-06	127.76	0
0.0018506	63.614	977250
0.00022848	74.584	295810
8.76E-13	147.49	73166000
3.73E-43	182.37	301620000
2.85E-07	122.29	8961700
0.0012344	77.593	1665400
0.00036723	107.21	275200
0.036223	48.423	424740
0.003551	106.04	4754500
7.45E-06	113.07	26367000
0.023287	54.199	2182800
0.0034901	52.99	6283800
6.13E-05	95.954	3492300
0.041729	42.317	1577800
0.038276	80.229	709870
0.0020865	60.032	248330
6.34E-11	123.61	42251000
1.69E-10	122.53	3583800
1.54E-05	92.336	17423000
0.00097333	77.644	3129100
6.20E-08	95.519	78122000
1.98E-15	117.83	358170000
1.49E-05	114.75	15405000
3.89E-20	166.6	64042000
1.21E-12	152.88	28855000
2.28E-39	186.75	27084000
2.56E-09	140.89	30398000
0.038284	46.162	2372900
1.78E-05	108.23	4841600
0.014396	56.205	2115700
0.0034451	75.652	2040100
0.0035144	75.294	560730
0.035473	42.277	795570
0.00036465	80.387	616390
0.00020954	89.506	3960800
0.00031104	87.363	1879900
0.00026397	111.27	20870000
0.0051308	60.628	1994700
0.00026755	85.563	3747100

5.11E-51	200.71	30430000
0.0072898	48.919	535910
5.03E-22	155.87	25509000
0.00034414	79.143	5667600
2.07E-16	138.77	169130000
2.47E-12	135.98	27850000
5.06E-07	132.86	34144000
1.72E-55	198.23	121190000
0.012922	58.699	446270
8.67E-22	137.72	10734000
0.017256	65.472	0
0.0041915	105.1	39177000
0.0034304	84.743	1752200
8.19E-07	104.49	17174000
3.63E-31	180.62	13563000
0.00012171	97.284	2211900
0.00052287	78.95	2497100
8.64E-05	113.65	32683000
0.00046083	52.707	2451100
0.01065	60.167	6815600
0.033577	46.592	1460600
0.0019087	50.827	774430
1.30E-17	147.17	29852000
0.00062781	79.633	2875700
5.88E-05	114.72	19356000
0.004314	79.986	4232400
6.25E-07	75.275	44586000
4.21E-07	75.622	239160000
7.62E-17	143.48	10083000
0.0067511	50.534	2007700
1.25E-15	115.79	19682000
5.35E-06	71.002	2506300
0.00044276	80.387	1318200
5.70E-05	80.453	6395700
0.0010388	78.903	1433400
0.042215	40.373	745840
0.00061955	81.709	6994600
0.0068085	70.1	2078400
7.45E-11	155.26	16276000
0.0011378	93.92	0
2.99E-10	147.83	22425000
0.00015868	97.957	5163500
0.034183	40.349	1053800
0.0037336	50.215	7713900
5.01E-05	107.11	2875400
0.021495	56.916	3635100
0.00022631	91.307	2350000
0.00080394	88.155	2094800
0.026293	44.391	238570
0.0040446	40.43	6375000

0.0012973	46.25	14148000
0.0042196	80.455	2636700
0.024179	63.181	0
0.001386	131.22	8058500
0.00014659	90.348	8376300
0.0075264	55.755	3383700
0.040118	42.797	1001400
0.00038548	79.326	7792300
0.01181	64.705	0
0.022871	46.318	3072300
1.65E-05	124.16	49920000
1.09E-06	84.947	3180800
6.28E-09	132.25	78140000
8.49E-05	118.71	9256400
0.0095532	56.599	4998600
0.0044257	42.709	2083800
0.00014494	109.35	4319200
1.53E-08	94.359	7521800
0.00068353	65.374	4359000
0.0086304	59.116	3237300
0.00065134	69.737	13098000
0.0062231	62.088	3915300
0.0017276	70.963	4850500
0.026719	45.084	528100
0.0025602	84.436	0
0.00053291	83.877	10084000
0.013661	48.477	1011300
0.0012907	112.85	2805900
0.0016666	62.525	15728000
0.041863	43.305	1264200
0.0057966	54.412	425190
3.77E-05	109.42	2324200
0.0050821	76.17	2743500
0.008433	54.501	507690
0.0050284	86.641	0
0.0051836	69.721	2939700
3.49E-05	107.57	5929300
0.0018584	65.477	2752700
0.03102	46.481	1581100
0.02229	48.112	4347700
1.85E-19	167.71	43824000
1.18E-05	104.41	3664300
6.66E-88	228.12	8196900
0.0048333	77.744	426050
0.0025258	65.956	410840
0.0015649	89.506	2357900
1.05E-05	134.49	16211000
0.00017731	85.248	3797000
1.41E-08	129.95	0
0.0028648	78.653	552030

0.012489	89.886	0
3.11E-05	83.871	2999100
4.42E-08	88.595	9138700
4.72E-37	163.16	58111000
0.0012295	74.987	811170
0.00085334	61.511	2384000
1.26E-05	125.5	49208000
0.0070415	58.831	2177900
0.0071527	99.215	0
1.78E-10	150.04	43764000
4.20E-10	145.69	100380000
1.93E-11	92.142	11204000
0.005188	56.817	1609700
0.00089512	66.636	417520
5.29E-05	111.65	7166200
0.0014598	59.182	1074200
0.0068862	73.499	692470
0.00051761	73.597	3132100
8.79E-05	96.805	14622000
4.78E-07	128.99	3208400
0.0078265	55.186	1395500
1.54E-06	134.81	7045600
0.017645	57.59	1830600
3.10E-08	85.376	2126100
1.72E-05	122.44	9541400
1.29E-24	181.41	44853000
0.00067327	99.522	5887700
1.11E-15	166.07	27106000
4.19E-05	116.35	3392300
6.65E-06	127.05	120210000
0.024613	53.756	3614000
0.0083334	107.66	11175000
0.00099783	84.821	1293800
0.0010752	76.588	1100200
0.00072005	81.625	966080
1.70E-05	121.56	15463000
0.034948	69.825	735010
0.020975	46.926	4617800
0.037279	65.347	420930
0.026938	45.014	998460
0.048237	45.022	550280
0.0072581	53.519	609120
9.69E-05	98.368	9194400
0.00092936	95.775	1882000
9.62E-81	214.42	111890000
0.00023358	81.967	4728300
0.006603	56.569	1763700
0.00011921	96.604	16171000
0.02017	60.134	0
0.0003011	87.447	843430

0.0023827	48.694	3865700
0.022864	78.77	502320
0.039293	52.937	1164700
2.25E-07	119.72	12350000
0.00052537	73.252	9976500
0.029251	47.844	323870
0.001236	99.973	2451400
5.10E-05	108.36	7473600
0.00038115	78.661	7732000
0.00048385	100.09	2690100
1.60E-07	79.016	14142000
0.0012804	111.61	7850000
2.58E-19	136.77	12484000
2.75E-07	118.23	6303900
1.63E-13	152.07	9247500
0.013621	88.948	5695700
0.002155	60.062	8039700
0.00028254	64.589	5120300
0.0023673	61.532	638480
1.75E-10	144.25	3678200
0.0010974	76.357	13057000
3.41E-05	69.47	2266900
5.56E-12	92.865	17255000
0.0047863	91.584	39776000
0.043158	87.913	4561800
0.0068603	73.951	10388000
0.0030934	72.29	9370100
4.68E-11	156	9479200
0.05287	42.19	236540
3.43E-06	76.471	1618400
0.0037868	104.44	14846000
0.0013816	90.149	3597900
1.30E-05	113.61	2195500
0.03437	60.641	319980
1.54E-06	128.82	20363000
0.036658	48.091	330730
0.0022095	82.029	16471000
0.043537	40.751	2013600
0.016252	56.548	330930
5.24E-18	135.3	83099000
0.0084219	75.89	0
9.69E-05	112.36	380170
0.027526	51.436	492260
0.02089	49.448	2471300
0.0022027	77.078	5574600
0.00020684	89.624	5267400
0.035758	41.378	1363900
0.035465	55.782	0
0.012196	57.836	570370
8.53E-19	159.94	11732000

1.52E-05	66.793	6229600
0.00022228	88.951	1844300
0.009226	103.74	561840
0.027328	59.185	0
0.011347	76.843	0
0.00041313	78.234	4420900
0.0036931	80.102	322520
0.0052137	93.598	1156900
0.007146	53.008	4519400
7.47E-06	114.71	39175000
0.033175	59.265	0
4.84E-14	151.8	11051000
0.0042045	69.261	3376000
0.0016416	101.97	783420
0.011906	81.191	3673900
0.0091011	55.975	4967100
0.026315	44.005	281650
0.00051407	70.615	2094200
0.0040071	98.048	6686200
0.0070978	60.345	591730
2.25E-06	102.47	20413000
0.001034	84.198	8590300
0.006065	65.563	1510900
1.92E-08	149.94	4233300
0.014243	97.473	945850
0.0028465	68.515	2359600
6.77E-07	116.61	38649000
0.0025187	59.512	1899700
0.0074879	112.41	733650
0.0096875	61.353	331220
0.0013046	77.124	4185300
2.82E-08	106.75	16837000
0.0065852	53.188	1973100
0.012335	43.633	3405500
2.61E-06	71.425	12852000
2.49E-12	128.29	5971400
5.78E-22	171.67	394690000
0.00036238	70.538	2137900
8.27E-06	124.38	6513500
3.44E-07	88.244	11763000
0.0023641	69.03	955800
0.0086168	60.49	873680
6.43E-59	210.14	31120000
0.00044276	80.387	2759500
0.02652	50.102	1341900
0.0011041	69.379	2500500
0.0075348	68.846	769230
0.00049731	69.612	10388000
0.021552	53.124	1168300
0.032448	46.063	619150

0.0089319	60.255	7911100
0.028711	56.632	0
0.0036682	41.483	5631700
5.14E-07	117.27	31708000
5.93E-12	142.98	406730000
0.00021468	93.255	2191300
0.00031553	67.11	3331300
3.02E-06	99.873	16878000
2.02E-66	218.07	22491000
2.89E-83	208.69	24036000
0.0014283	55.881	689110
0.023481	47.807	771040
0.049563	54.235	0
8.27E-07	114.56	3466200
8.83E-18	154.55	451270000
0.00023443	81.788	1887600
0.0080223	47.089	4547800
0.0063761	127.12	81548000
7.79E-05	112.12	5631900
0.013088	58.592	271350
0.011943	71.268	0
0.0023002	72.34	1467600
0.0051483	67.385	429650
0.00099478	67.153	2192700
5.11E-05	109.1	8235100
0.029815	44.968	256730
3.84E-35	184.34	357700000
2.40E-05	105.19	12262000
2.36E-12	140.27	9124300
7.71E-13	101.93	4485400
0.0010815	76.522	5388300
0.00034541	71.148	5170000
0.0015135	130.56	2149700
0.0043995	98.902	0
4.29E-09	131.56	11081000
0.0049978	129.68	7958300
0.0047107	65.563	273870
3.35E-13	150.21	5053300
0.004972	61.11	504970
3.20E-20	166.79	85778000
1.80E-10	87.485	5703300
0.034714	58.595	0
0.0023317	66.708	1562300
0.00013221	72.317	2055200
4.80E-106	244.27	135310000
6.64E-05	105.13	1043100
0.003004	64.104	1796200
0.011232	49.988	170750
0.0011164	67.326	647520
9.58E-05	98.508	11220000

0.00046256	91.589	10344000
0.00070066	76.586	4813400
3.45E-41	191.41	107750000
3.08E-33	176.44	18219000
4.65E-05	102.9	2392100
0.0052649	67.153	1426700
6.06E-05	102.39	5629800
0.00017109	97.163	1585300
0.00057622	49.287	4599600
0.0093517	78.324	0
0.0010533	58.796	9045400
4.16E-10	121.48	1962400
0.0013816	90.149	3989600
0.0023071	71.085	1312900
0.0058724	72.243	8574600
0.00029681	119.27	5957000
0.002952	110.12	8742400
0.0031231	88.056	1978000
1.50E-35	189.57	26983000
1.16E-40	200.71	57668000
3.16E-06	127.02	7109500
3.30E-05	103.88	6497400
3.00E-20	148.7	0
1.52E-06	127.05	11512000
1.05E-35	183.89	10723000
0.00046765	57.316	8785100
0.0018832	64.705	776390
6.67E-06	113.53	3528600
0.00017181	109.39	3727800
7.07E-05	116.06	2385400
7.37E-09	112.56	8154800
5.62E-64	203.92	16850000
5.17E-12	143.69	34100000
1.83E-32	175.6	375200000
6.08E-09	145.9	33918000
0.0011993	90.913	115500
0.015363	91.636	3172300
0.046442	74.255	430140
4.17E-18	159.01	15307000
1.25E-05	108.47	2801900
0.01659	68.786	11867000
4.90E-11	117.35	89558000
0.00081335	97.734	31797000
0.019097	42.325	1205300
0.024553	70.256	557950
0.0067182	70.256	744640
6.08E-15	148.97	17668000
0.00037882	75.376	1862300
0.0017823	65.231	2565400
0.0026497	53.554	1658100

0.015305	73.841	0
6.20E-07	71.556	3557100
0.0080649	59.57	3178800
0.0098533	59.513	3479700
7.16E-05	118.03	97804000
0.032132	54.343	1148400
1.61E-15	160.91	22884000
0.0002786	86.498	981340
4.04E-06	98.376	5007000
5.96E-64	203.32	15464000
6.67E-06	125.74	37635000
0.00010242	105.4	5815000
1.34E-12	127.74	19081000
5.03E-06	101.23	4413100
0.020927	45.883	957150
7.08E-07	107.18	3084800
0.0019654	69.133	0
0.0099088	62.924	1270400
0.00021782	65.677	5728200
3.59E-07	115.74	3464900
0.022494	83.045	0
0.022237	55.064	316820
2.79E-05	94.201	3516300
3.19E-06	93.997	63514000
0.0039812	67.827	0
0.00089122	95.751	0
0.00018045	117.31	5135300
0.012236	71.806	0
0.0048607	80.219	583470
1.36E-43	183.39	72762000
7.11E-07	113.05	13174000
1.33E-05	123.4	37713000
5.12E-06	128.08	75719000
0.0030902	89.403	1900100
0.0026765	73.848	4551500
2.39E-06	129.01	146430000
0.0028492	69.975	14973000
0.00025411	80.102	2768000
8.82E-39	190.57	46791000
4.73E-64	212.1	1247000000
0.00013476	71.853	1978800
0.0029622	78.149	616180
2.38E-05	125.72	3690200
0.0048604	55.864	591140
2.56E-16	140.17	22963000
0.00050391	69.979	1327600
0.0084756	73.597	0
0.005018	70.028	2457300
0.00037622	99.568	4764200
0.00015404	91.969	11303000

0.0081154	53.828	698750
0.00011685	88.57	1936100
1.51E-10	82.904	3385800
0.00010285	101.53	5231000
0.00072794	52.814	26819000
5.30E-05	108.66	5082300
4.10E-26	135.12	24155000
2.95E-15	107.47	7743800
0.0080204	66.27	1131300
0.0002787	63.085	8519400
0.00012498	66.479	28311000
0.00070853	45.43	5369800
0.053793	60.118	146600
2.69E-05	90.884	3975200
0.002479	74.944	579140
0.025674	44.436	8781600
3.31E-52	197.38	22926000
0.0029721	78.098	118530
0.0041662	103.35	0
0.00059018	100.48	2619000
0.03086	42.338	115510
0.0017782	67.275	6498300
0.036954	46.73	1542100
8.50E-06	134.99	3323500
0.00045441	73.405	3297900
0.0006145	96.342	6144200
0.0012975	66.068	1173500
0.0010104	84.605	2876600
0.010351	51.073	681110
1.24E-05	123.63	9516800
0.00036728	76.713	2649500
1.93E-22	168.55	24075000
0.00044748	71.742	2360500
0.00069187	109.48	12493000
4.02E-70	205.98	33923000
0.010451	49.973	2979400
1.51E-05	122.96	11218000
3.21E-07	136.96	138790000
0.0035273	62.077	1431700
9.77E-09	147.33	7145200
2.61E-22	152	98180000
2.88E-12	130.05	32807000
4.75E-08	95.835	5624800
4.08E-11	110.1	8143100
0.034279	58.752	0
2.96E-05	110.31	3756400
0.00011829	140.14	14393000
0.038704	79.939	132030
0.0025376	112.94	4654400
0.0062079	53.773	4440700

5.77E-05	96.544	7074900
0.00021106	101.08	10731000
0.010928	70.525	1750500
0.0047786	77.677	816810
9.59E-05	133.99	16709000
0.015015	57.347	325030
0.00058433	80.371	1645300
0.0082641	96.253	3026600
0.0051068	102.63	0
1.11E-28	158.11	76039000
0.0011788	52.577	3280400
0.020249	60.09	0
0.00047277	94.82	9659800
0.0062918	49.306	3735000
0.00051329	119.21	15073000
0.0010183	66.977	924100
0.0016993	135.87	10855000
0.00023335	121.28	14515000
0.019829	76.326	0
0.0012223	77.674	16877000
0.00077211	77.185	2953700
0.00015929	89.982	2119500
0.00074077	81.904	764470
0.037707	41.56	960500
0.0002657	78.708	3222900
0.029313	50.04	0
0.00014519	94.547	962250
1.50E-06	104.03	1300900
0.021413	50.452	24284000
0.0004856	75.018	616520
1.91E-24	161.55	6968400
0.021068	42.64	624550
6.09E-05	68.445	2548200
0.026521	42.382	987820
1.02E-22	173.72	32527000
0.0039805	64.224	2607700
0.038255	73.721	2136200
0.015674	55.258	2795400
6.66E-05	112.24	7337700
1.78E-05	107.14	2317800
0.041767	54.005	0
0.00023655	81.665	7538100
0.00034907	82.765	2859200
0.00014611	92.269	2924800
3.05E-05	104.2	12084000
0.0049978	129.68	156490
0.013377	51.092	1046100
0.0084179	80.69	1824700
3.39E-19	127.16	2298800
1.73E-23	137.24	4081900

1.14E-06	131.72	4677500
0.0085168	89.296	4128100
0.013872	79.713	1082900
0.00022786	71.592	2991800
0.00011556	92.098	2979900
0.00080334	64.203	2732700
0.0044017	54.668	2037400
0.0031894	103.83	7006000
0.0024826	115.49	178390000
0.00012521	94.09	4822000
2.65E-40	182.28	14877000
5.41E-07	103.31	7800600
0.014526	45.369	1009900
0.0086045	89.142	8739300
2.81E-19	160.67	18427000
1.11E-05	125.23	1519900
0.0056952	57.595	2985300
1.38E-06	125.54	13635000
0.0052192	87.696	9333000
0.025508	59.153	891530
2.43E-13	166.86	146430000
1.37E-94	240.1	388060000
0.00202	78.069	1559300
0.032571	49.448	0
0.0176	54.539	27229000
0.00031183	74.029	3391400
0.00037271	86.803	6745600
2.90E-06	124.38	5587700
0.00014591	96.067	9838900
0.00073754	105.4	9353100
2.58E-05	103.66	12039000
8.91E-05	93.115	2997800
0.006422	56.774	602800
0.0082618	53.504	500630
1.65E-49	196.22	225500000
3.08E-08	141.59	151600000
9.27E-05	115.58	55342000
0.011699	57.802	390930
0.00020819	107.83	388470
0.016871	61.765	9005600
0.0016409	79.693	18725000
1.48E-07	124.29	33571000
0.010797	62.466	3814300
0.0017456	66.056	2157700
0.012284	50.284	203640
6.49E-06	120.99	2891900
0.00013895	112.13	994330
2.54E-05	115.82	9206600
0.00026569	74.296	3718800
0.0029911	55.705	8662400

0.028657	41.423	1401900
0.00087531	63.443	1146900
0.045604	42.209	2369300
0.0040568	103.83	2807300
0.010042	66.435	2706300
0.003085	109.21	3936700
4.96E-05	117.86	18149000
1.92E-10	121.72	43076000
1.58E-05	95.751	2004300
0.013297	57.019	755400
0.00026305	92.939	5037300
6.82E-05	103.75	1002400
0.0048604	88.021	0
0.0079433	78.516	446530
0.00078845	116.37	3684600
4.44E-19	161.21	46366000
6.78E-05	122.63	1794700
0.030667	55.549	216870
0.011308	67.563	934080
0.002129	63.462	4819900
0.0013995	104.06	3609500
0.0032874	90.05	0
0.0065948	54.953	3672200
0.00044528	96.171	2556200
0.000416	85.77	5785500
8.76E-11	121.25	56133000
0.010002	46.273	5423800
2.51E-05	66.365	3135500
0.0072251	89.548	1783200
0.0017516	115.23	965190
0.0058704	58.752	733780
0.0066382	82.279	780440
4.01E-22	156.51	21298000
0.036908	42.789	1230200
4.73E-05	102.03	6923600
0.0025224	63.31	2977200
0.012229	72.705	0
0.022719	43.791	2621700
0.0047786	77.677	1593500
8.83E-06	76.156	17501000
6.35E-11	107.25	103060000
5.55E-05	117.7	948640
0.016751	56.225	2333200
0.0038778	67.275	1497500
0.0043973	105.52	197140
0.00020951	128.35	7552700
0.0035641	66.708	2722400
3.85E-11	150.49	45416000
0.0014824	72.496	9794200
0.01017	64.297	282570

0.0023994	63.754	3769600
6.10E-06	123.62	3237900
1.81E-30	184.71	120590000
0.020879	48.532	2659500
0.029682	63.148	1442500
1.23E-06	99.409	4288200
0.039285	51.252	2576900
0.0060462	68.069	0
0.00041916	97.456	2138600
0.0011184	64.298	820540
0.0082411	65.943	477700
1.11E-05	105.39	4703800
0.00087531	63.443	2725800
1.78E-07	91.503	21146000
0.00066266	69.133	4401400
6.23E-05	125.36	9196700
2.76E-08	138.24	73532000
8.65E-05	58.722	12954000
0.033113	83.614	271120
0.0004856	75.018	1125100
0.00023469	88.092	1803800
0.0077207	60.364	335480
0.004492	64.04	3656400
2.94E-59	212.1	20152000
1.52E-72	214	67341000
0.0048662	63.134	5090100
0.034041	42.789	98837
0.0046346	56.215	678990
1.11E-12	152.38	61588000
2.08E-07	123.64	3048700
0.00080449	66.874	2236100
2.65E-09	146.5	2771500
0.018586	51.135	449210
0.0078639	80.014	0
0.00070358	118.23	0
0.0029344	108.09	17379000
2.13E-05	126.12	5620000
1.80E-06	134.4	7906700
0.02963	45.696	4248600
0.0026468	68.919	2533100
0.010441	86.463	0
0.0087393	60.398	561060
0.0019046	84.817	11354000
0.0037737	95.523	0
0.00031132	83.776	4191600
0.0016753	101.64	1943500
0.002245	57.41	7139100
0.00045478	84.821	8887500
0.015692	77.288	1141200
3.81E-11	120.64	6767900

0.00026594	85.493	1646400
0.00017127	89.466	4076800
0.0021737	96.756	6699800
0.032541	58.433	795680
0.038343	47.823	653760
3.16E-06	132.14	41111000
0.020911	49.425	3197800
5.15E-05	103.39	44629000
0.00071819	72.681	8152200
0.018978	53.448	1037100
3.18E-05	113.53	3984000
0.018582	51.927	665490
0.013625	73.666	0
0.011232	62.463	711730
0.0031177	53.444	1626800
0.0019617	57.152	932320
0.052277	46.426	2106800
0.04462	62.823	1581300
0.0012721	66.809	1944000
0.01619	77.674	9434700
0.039475	55.112	909890
0.03471	45.873	0
0.015512	77.379	0
1.06E-30	178.57	19983000
0.00084709	66.325	457530
0.00075836	68.189	1554800
0.0084964	59.372	0
0.006529	64.64	408520
0.00049165	111.86	5115000
0.0015779	77.674	2723000
0.0015474	53.401	9093500
0.00075819	83.226	587010
0.035571	50.034	174320
0.0032506	81.017	879360
3.53E-13	148.52	11867000
9.09E-05	99.044	3925000
0.0034279	59.606	4632900
0.026832	52.612	608890
0.0040938	81.338	0
0.013297	57.019	1307600
1.56E-10	119.68	8753100
5.79E-05	99.834	2985500
0.00060034	53.747	1058400
2.31E-05	120.99	14628000
0.019157	82.452	3292300
7.47E-12	167.24	19395000
0.0041852	113.71	562600
4.57E-06	131.35	3213100
0.002586	47.507	2303200
8.40E-22	163	5324000

0.0022671	91.265	3323400
0.0013859	95.81	3330600
3.77E-06	115.37	12116000
1.33E-10	147.7	5839100
3.26E-46	195.72	4247800
0.00046145	73.983	1996200
0.00043	75.911	19522000
9.50E-10	147.91	61644000
9.98E-28	179.59	655790000
0.00056845	75.319	1785100
0.00084593	103.56	4149000
6.15E-05	145.34	12929000
0.0021941	100.02	9155400
0.0075661	75.652	3042500
0.027426	43.12	3114400
0.028118	65.224	0
8.12E-05	117.08	3215100
0.00084989	66.289	2028700
0.00067267	73.802	2854900
0.044796	45.997	791800
0.024806	64.654	2712600
2.93E-05	119.46	30894000
0.002714	63.894	7973900
2.82E-05	111.88	11166000
0.0022593	76.165	3515700
7.23E-07	113.81	17921000
1.79E-58	203.7	20754000
0.030465	50.843	224880
0.049419	40.025	477770
0.053184	41.283	0
0.0021376	71.548	11128000
0.0079325	55.176	317670
0.0098288	50.04	1354300
8.10E-07	123.64	0
0.0031275	85.731	714210
3.33E-06	129.16	2788600
1.25E-15	115.79	6273200
1.08E-06	123.29	16010000
1.36E-08	137.21	120020000
0.00048287	87.566	12250000
0.018768	87.419	0
0.026488	52.725	1050100
0.01119	42.813	4552600
8.52E-54	167.55	14830000
0.003383	47.983	1071800
0.0045967	63.408	1557300
0.0086166	105.39	14959000
0.035257	50.039	21806000
6.21E-07	131.79	68858000
0.00044328	91.093	4235500

0.00084264	91.313	1234600
1.23E-11	112.37	24812000
0.033794	45.891	5300000
0.016027	76.943	904450
1.49E-05	113.24	2039400
0.00015834	116.01	2280600
0.012554	48.848	2931300
0.0020995	82.831	137710000
0.00097776	134.23	11589000
0.014715	59.857	5738300
8.43E-17	151.63	18478000
1.84E-07	126.22	3376400
0.0015955	89.247	0
4.93E-05	103.66	43241000
5.91E-50	200.55	142730000
1.20E-49	193.06	267260000
1.69E-06	116.13	9764000
9.49E-12	139.46	29996000
0.00035329	66.152	6022900
0.00063995	75.017	1756400
4.35E-07	122.29	59633000
0.0030563	77.662	525700
1.08E-20	161.63	35497000
7.33E-38	175.6	77726000
1.83E-26	185.33	200060000
1.31E-18	172.88	1255500000
7.37E-13	163.38	69498000
2.77E-07	91.202	181780000
1.34E-10	112.23	23227000
3.04E-18	134	28072000
5.75E-43	161.22	101350000
3.95E-07	120.23	3746500
7.07E-13	145.73	19523000
1.25E-22	144.43	15360000
2.54E-11	109.56	3602000
0.00040977	101.72	3620400
0.00018282	101.89	26710000
0.011157	101.43	28478000
0.016009	112.41	6137300
0.00021054	89.507	14933000
6.36E-47	198.48	209550000
4.09E-06	134.13	20237000
0.030041	43.084	442010
9.31E-73	218.15	159790000
1.07E-19	166.29	183680000
2.02E-05	116.6	21818000
0.0015605	64.331	1127700
0.0053308	50.957	1597200
0.00014385	101.32	19977000
0.00526	63.727	1957000

3.84E-16	138.82	65115000
7.20E-29	165.1	5294500
0.0032367	104.06	13888000
0.029301	56.729	0
0.015013	57.348	1924700
1.45E-08	139.46	9702600
0.0021891	64.842	815670
1.70E-07	121.35	19384000
3.33E-12	142.27	4065200
2.42E-06	76.21	14620000
0.0065089	47.05	3716600
0.038471	56.46	0
4.61E-06	128.85	5716200
9.08E-14	158.06	13329000
4.85E-09	141.37	25362000
0.00060346	82.189	1892900
0.0002076	86.832	9164000
0.00044652	71.842	5113600
8.99E-05	64.954	3815100
0.0025649	58.073	42051000
0.0023931	61.015	782790
0.03689	45.207	16828000
0.025851	47.261	1768800
0.0081734	52.862	1516500
1.52E-11	138.05	46870000
5.70E-05	93.407	6164800
0.0059169	55.851	4017400
0.00027169	89.911	2176900
0.00070699	72.819	3093500
1.06E-08	134.37	43293000
0.0047311	78.088	0
0.00041619	86.288	25186000
0.0015942	85.554	23587000
0.0075709	89.629	1593000
0.0012485	66.939	1934100
3.09E-20	166.9	6784800
3.94E-114	236.03	58231000
0.00033898	90.561	9563400
0.017971	44.998	2282700
6.19E-19	162.68	16824000
3.04E-05	99.313	8968200
0.0024623	74.78	388620
1.60E-12	101.08	8121700
5.01E-05	114.71	7561800
2.10E-06	122.46	87014000
1.28E-07	142.1	40970000
0.0047203	59.709	2317500
0.00038963	74.993	633910
1.72E-09	137.73	3577000
0.032875	40.756	1004600

0.010624	44.625	2533900
1.33E-05	103.85	2124000
0.00046772	59.539	1270100
0.0092309	56.956	2143200
2.80E-30	180.97	54810000
0.00023964	96.059	2779500
0.010938	45.395	1036100
0.012978	50.562	3569900
0.005475	56.121	2354600
9.23E-12	100.7	12743000
6.03E-08	93.551	35418000
0.00091485	53.355	6398700
0.00066032	99.688	1908500
0.0026463	82.8	0
0.011545	59.324	0
1.84E-08	143.76	22095000
0.0023767	74.769	3347500
0.0032665	107.66	2319100
2.22E-05	123.68	90620000
0.00017173	97.904	14616000
0.00051544	69.256	3275500
6.13E-09	135.09	55804000
2.90E-13	147.49	92318000
0.0028918	72.652	3536700
0.0071562	55.011	633400
0.02397	77.674	152400
0.0012335	91.658	11830000
0.00026294	83.751	6310400
2.11E-09	147.73	7837700
0.0092017	77.533	1567600
5.90E-06	124.39	12515000
0.0092782	103.21	0
0.0033419	107.47	8642400
0.005803	111.74	411820
1.45E-08	141.37	30824000
9.91E-18	145.09	5386700
0.00078262	71.531	681880
0.00037342	79.467	1973600
4.75E-48	179.67	186900000
3.52E-26	171.62	460970000
0.00082308	69.289	52381000
0.00073493	74.816	1124600
0.0524	41.348	834710
6.56E-15	158.14	3539900
1.24E-11	155.88	22215000
0.00035775	100.48	21767000
0.0086693	40.544	600340
4.87E-30	145.16	22046000
5.72E-16	94.192	5526200
0.038049	47.774	0

0.0399	40.857	2503700
0.000178	117.01	22936000
0.018165	61.593	2011100
0.00053374	131.11	59327000
3.27E-12	166.3	356750000
0.018234	48.527	588010
8.53E-05	99.663	2485600
5.13E-43	183.6	33335000
1.31E-49	192.14	54198000
0.00031165	74.048	1926900
0.0014848	57.142	3026500
1.39E-12	114.71	21160000
4.75E-07	89.723	2074400
1.72E-84	210.31	21118000
0.00043882	58.191	1394700
0.00037998	75.564	3004400
0.0074717	80.438	89075
0.035454	53.359	0
4.41E-19	161.25	20455000
0.010016	93.178	12657000
1.71E-05	118.76	7599800
0.00898	66.351	774540
0.00035581	78.057	8004400
0.00032674	83.606	1598300
1.65E-06	124.38	5983800
3.38E-26	116.65	36147000
1.73E-15	93.505	41287000
1.25E-20	119.35	30580000
0.0041094	87.641	0
0.0086763	58.32	423120
0.008063	53.008	515150
3.67E-05	108.75	6413000
6.17E-09	112.36	27958000
0.0029936	67.118	539060
3.34E-08	142.76	19417000
4.05E-05	95.429	14979000
0.0074732	53.554	1062100
0.0030739	79.886	4315100
0.012221	80.688	91525
0.00014958	74.222	138030000
7.41E-05	98.676	7080900
0.02588	59.198	216270
5.10E-07	128.44	12459000
0.012773	49.595	1063000
0.0024525	63.631	4122400
1.07E-05	129.29	4293000
0.00294	63.894	4649100
4.64E-62	221.68	44546000
1.59E-05	121.92	39132000
0.00034593	59.324	1117800

0.0086413	70.977	1220400
0.0057427	71.241	292700
0.00033605	110.15	30562000
0.00020482	96.604	971320
0.0036739	60.542	3967400
8.86E-05	144.12	11512000
1.34E-05	122.78	1126100
0.0011587	68.413	541710
0.0014281	63.894	4381000
3.83E-14	155.09	79108000
0.00041686	78.069	3606300
1.95E-05	65.811	6844200
6.46E-09	128.74	3895900
0.00019096	89.484	1554800
0.0084453	59.265	1837300
9.65E-08	99.838	15395000
2.99E-06	132.03	25712000
0.00039332	77.391	2042800
0.024365	55.322	381580
1.41E-05	143.4	2020800
0.0010824	128.03	1196900
0.00028852	129.88	9974600
0.00085359	114.86	17540000
0.0099011	56.29	2286200
6.61E-12	137.43	76398000
3.16E-05	111.66	3594400
0.00077688	131.06	29350000
0.00024831	72.676	1321000
0.01046	53.995	885300
0.011096	60.765	0
0.040431	78.77	549520
8.47E-09	130.56	12031000
0.00050939	107.47	1381000
0.0042357	103.21	934500
0.0012633	126.24	18719000
2.18E-06	134.37	2440200
4.28E-05	116.13	6617100
1.05E-05	128.01	2092600
0.047288	74.127	2985600
0.00022063	107.45	8153800
0.020059	81.548	909930
0.0042778	50.916	1108400
1.47E-78	222.56	140400000
0.00054984	84.14	5319100
4.83E-05	105.89	2751800
2.29E-05	98.227	1989700
5.33E-10	150.35	19595000
0.005489	101.25	1536700
0.027883	66.568	3769500
4.25E-20	166.29	417520000

0.0017027	97.635	3096100
0.00040301	134.77	1976000
0.00047141	84.188	3896100
0.027764	49.35	1545000
0.00013663	92.977	12282000
0.020759	48.568	1403400
0.002002	77.593	4247200
0.025271	57.019	602040
5.37E-05	132.32	11532000
0.036189	58.676	242650
1.41E-44	178.22	14527000
0.00022955	86.411	917620
7.29E-07	106.69	45495000
0.0019066	59.537	2302500
0.00094983	57.768	1711400
0.013201	55.452	1846600
0.0064022	63.473	1077200
8.70E-05	112.75	4037000
0.00032758	79.013	2343600
0.00054696	66.308	1424400
4.71E-08	105.94	7808500
1.30E-06	106.57	2397200
0.00034328	90.653	3600500
6.08E-12	138.28	51418000
1.79E-21	106.61	531110
7.79E-05	74.859	474490
1.12E-85	210.58	7159500
1.99E-56	152.06	182240000
8.71E-50	140.66	46774000
0.049116	42.095	1581900
0.0062428	46.403	7668900
0.041728	42.44	4111000
5.25E-05	120.54	10331000
0.00076757	69.485	6456700
0.00052956	115.29	0
0.0035547	69.92	1063000
0.00042142	65.213	8737000
1.50E-14	151.31	5635200
0.0009833	110.54	924920
0.033809	53.756	0
0.0026119	67.364	0
0.023404	51.927	1146000
0.00016055	91.592	2305500
0.013648	62.035	1815200
1.48E-06	102.61	7606300
2.21E-05	114.21	3602200
2.05E-05	108.36	60039000
0.010208	48.376	1482800
0.0046257	62.162	1067400
0.0036166	83.647	21943000

2.31E-09	147.24	14102000
8.30E-13	132.48	14120000
0.00037852	79.771	3548200
0.0018643	128.61	79518000
0.0061149	55.589	3845800
7.41E-14	156.81	6984000
0.02229	48.112	991220
0.00019414	89.232	5539500
0.0063601	69.352	532870
2.79E-09	112.36	23784000
6.46E-05	111.34	6973500
0.0053169	60.364	2690100
0.00015121	73.981	789360
3.70E-63	190.24	18708000
0.02323	89.55	1304300
2.86E-49	198.49	83504000
5.54E-06	107.07	80783000
0.027705	63.694	203530
0.0014281	85.457	1317300
2.29E-22	163.94	0
0.0032626	85.731	25480000
0.044812	59.542	786700
2.04E-06	130.61	3060900
0.010448	63.816	1203000
0.0029678	64.244	1667400
0.0019962	83.883	4616900
7.25E-06	131.12	50306000
0.050607	42.257	611470
7.41E-05	114.52	1370100
0.00074569	77.633	8037700
0.00030167	85.493	3353300
0.00038645	128.36	36398000
0.047031	53.683	1398500
0.004153	58.712	2649300
0.0027061	59.585	1152600
0.0016933	83.243	16930000
0.0068943	76.655	1278500
7.96E-06	127.05	6606000
0.014583	68.044	0
0.018982	54.784	1531900
0.002948	72.34	1335900
5.03E-05	113.72	6279200
0.0059561	59.796	4425800
1.45E-29	138.36	39104000
0.0019568	78.964	2986800
5.84E-05	104.59	48719000
1.86E-05	141.91	11893000
2.27E-08	88.708	6860800
0.0012335	91.658	7335200
3.01E-05	104.44	3164600

5.72E-07	139.32	12680000
1.23E-07	138.63	3123600
0.005802	82.287	1174500
0.052819	67.563	0
0.00092406	87.02	2525700
0.029939	94.262	772380
0.046083	55.261	1209400
0.030593	58.04	678050
0.0114	51.147	286030
0.00016014	91.616	5407600
0.0010556	63.639	2232000
0.0037576	64.798	2793200
0.012016	40.15	600190
0.019443	54.486	154160
0.0010958	76.843	2502200
0.00010995	104.32	3386800
0.0024859	61.641	1608600
5.71E-05	100.77	2261300
0.0002472	85.203	6472000
0.017912	49.298	3761000
0.0011725	83.292	3183300
0.00042502	113.35	12560000
6.15E-06	120.92	14826000
5.14E-05	107.34	5439300
0.00026087	107.14	2132700
0.022761	64.224	241090
5.79E-102	224.49	48523000
0.00041624	71.535	375020
8.27E-08	151.22	20252000
0.03137	43.592	1529800
0.0016398	97.271	0
1.73E-19	159.41	151860000
3.85E-05	112.94	1471600
0.038276	80.229	281870
0.0034451	75.652	934250
0.00074856	74.678	2396000
0.047565	60.828	0
2.57E-20	169.65	65468000
0.0016507	69.345	2581800
5.09E-09	102.92	43964000
0.0012142	106.18	47807000
0.00012204	113.43	47913000
0.0020636	62.438	1638300
0.0003895	74.618	1060100
0.00061017	95.651	5542900
2.00E-06	128.03	0
0.0046653	62.042	3705700
0.0020572	92.897	0
0.00052144	75.797	0
0.00092971	79.633	4671200

8.13E-08	151.83	15340000
1.33E-05	120.09	15211000
5.52E-09	138.2	221510000
3.41E-26	171.92	1292700000
2.14E-09	147.3	95688000
8.50E-13	150.09	9843200
4.86E-07	119.38	6346900
0.036639	44.246	1650600
0.00049767	78.814	425080
0.00026242	83.792	707210
2.59E-106	240.12	51168000
0.00095461	79.466	2689200
0.0002451	86.479	2836900
0.0055025	78.513	1305500
0.0028818	61.657	3963200
5.48E-06	123	6440600
5.79E-05	92.993	2148700
0.00064693	56.021	2075200
1.54E-29	153.77	60619000
2.90E-12	100.68	4625300
0.0064942	99.442	14749000
1.53E-08	110.67	6784600
0.026954	49.036	882920
0.0060241	45.972	1734600
2.47E-05	124.16	1961000
1.91E-05	103.14	2257600
0.00029325	102.62	8879800
4.89E-10	144.73	7034400
0.0013529	91.855	1865700
0.0024028	69.602	6542200
1.06E-08	144.28	24456000
4.14E-05	111.65	6922300
0.00024213	88.087	3597300
0.019004	52.79	557440
1.54E-05	122.1	21138000
0.029993	43.208	1632000
0.0020237	108.7	7226300
4.30E-06	100.28	1646600
0.021097	71.085	0
0.0022772	71.153	4123200
0.012526	51.939	246860
0.00056456	80.706	7484200
0.033943	74.987	0
0.0012125	77.74	7621800
0.011038	67.519	1365000
9.69E-05	89.668	3296400
0.051267	64.207	34670000
8.02E-09	130.47	0
2.22E-05	130.44	17454000
1.04E-15	166.29	49265000

0.0001297	93.424	4368400
1.97E-18	129.32	9291100
0.003718	40.764	591740
0.011971	47.726	5564800
6.32E-86	213.71	35825000
0.021455	80.165	2044700
2.38E-35	188.27	40541000
1.02E-21	161.48	17635000
0.03952	43.991	479080
0.00020943	138.83	59299000
1.80E-08	88.829	2692400
0.0074892	58.487	1632400
0.018217	65.179	6283100
0.0021436	85.862	7828600
2.44E-05	123.75	0
5.98E-09	108.99	35442000
0.011088	49.395	5542100
0.0019547	68.168	6072300
0.0097693	47.088	4498400
0.0010616	76.728	3646600
0.01614	76.827	768000
0.0052061	59.225	2696600
5.80E-05	131.83	7801500
0.0002792	83.849	4007000
1.25E-10	121.92	3497800
2.04E-08	105.56	8973200
0.0062432	62.042	8823000
6.86E-05	125.54	24599000
7.27E-18	127.4	4502900
6.73E-22	169.99	33694000
0.0046532	102.4	0
0.027705	42.708	312960
0.00043048	80.738	3043100
0.0027226	102.51	517190
1.38E-11	143.58	17427000
2.33E-40	183.31	41207000
0.010729	82.426	1016900
0.0004162	113.24	2850500
6.88E-05	116.35	1456700
0.025947	50.284	869450
1.93E-09	132.47	0
0.00017115	103.34	3078100
3.47E-13	154.28	5222800
7.50E-30	182.46	99695000
0.000704	94.616	1506800
0.00050837	78.508	5391300
0.00034347	81.327	709790
4.08E-81	219.03	35737000
0.0040626	60.364	534440
1.13E-05	105.9	163130

0.028402	55.337	0
0.001401	59.339	1262400
0.029123	53.08	1723700
7.20E-05	118.19	14062000
3.46E-21	169.89	103140000
6.44E-07	138.22	14078000
4.67E-15	164.66	92060000
0.00011316	114.54	27740000
1.61E-08	110.4	3215600
8.67E-08	81.91	22571000
4.38E-17	148.24	17104000
0.029335	43.548	1240900
0.0093834	85.161	8346500
2.92E-07	122.19	9634600
1.26E-20	120.83	6334900
0.0011904	124.23	20087000
2.96E-06	99.957	8797900
0.0019084	73.082	848390
0.0001775	115.29	149560
0.0033812	91.712	0
7.07E-07	133.32	14303000
0.0016883	62.377	6394600
3.29E-24	161.95	109880000
0.00041686	86.262	5308000
0.00031898	82.034	8298900
0.00094696	53.097	1616600
0.0029533	91.855	2395100
6.63E-05	61.844	2422400
7.89E-05	89.663	14240000
9.47E-14	136.59	29850000
2.83E-37	201.39	14657000
1.59E-29	172.82	11727000
3.52E-07	90.836	4730300
0.022463	63.062	0
0.00095283	72.801	1788200
3.15E-11	124.19	5315200
0.01846	74.165	476610
0.00033952	78.166	1820500
8.72E-06	127.76	2152400
0.00023116	67.413	1472800
0.00013305	76.668	6456500
0.0008194	52.97	6913500
0.020419	51.888	803390
9.74E-59	208.28	12925000
0.014556	56.087	2066200
5.88E-06	98.804	5292700
6.87E-36	167.59	39262000
0.0059896	77.42	0
0.024448	58.098	440710
7.73E-22	154.19	4157000

0.0010323	91.937	4330300
0.0031147	41.914	2061500
6.19E-87	223.76	55227000
2.09E-06	135.86	13726000
0.0058451	75.652	1450400
1.87E-10	85.44	16520000
1.25E-05	126.31	11194000
0.0043987	86.898	640140
0.00022179	65.213	10092000
0.0045376	50.232	676890
0.023835	56.215	3872200
0.028573	104.2	28323000
6.16E-11	107.49	27632000
9.13E-05	60.139	406240
0.00063892	74.769	3453700
6.17E-09	129.12	2172900
0.0004509	96.64	1462600
0.0034937	86.882	3025200
0.027144	87.323	2447100
0.0052414	75.378	4415600
9.55E-05	97.32	9032000
2.63E-18	158.45	14436000
3.72E-38	175.59	1891200
0.0029249	78.342	5912600
6.27E-06	98.443	3224700
0.00038096	66.045	4135300
0.021176	101.21	1771200
0.025091	53.493	855870
5.99E-13	140.1	0
0.0096716	65.157	6248900
0.0011055	71.529	1965100
0.00045221	75.608	20102000
0.00042086	74.519	3700900
0.015905	58.564	0
2.55E-63	204.85	577490000
0.00024271	85.362	4103100
5.71E-05	102.78	1875800
0.00011591	96.866	3923800
1.87E-15	157.83	90340000
0.00035255	81.643	3628300
5.58E-13	135.38	3284200
0.00094919	77.894	2993900
0.0049769	67.726	11235000
3.11E-56	194.27	8762700
8.27E-05	114.01	20980000
3.93E-06	77.939	6224100
1.00E-12	136.38	8977900
1.20E-14	158.65	5059900
6.35E-07	108.96	22739000
0.00035867	72.446	2178800

0.0024258	63.754	4333200
1.35E-10	120.56	4398100
0.026029	97.071	5458900
0.010091	71.877	67764000
0.00030782	82.709	12837000
0.0020074	67.964	7364400
2.35E-07	118.08	3183100
0.007063	62.14	5620400
3.83E-17	155.1	3670700
1.62E-05	68.959	3241900
6.14E-29	179.93	31676000
0.0076951	56.247	704740
0.0022713	97.551	4564500
0.0141	53.861	539320
0.0010632	93.442	2241200
9.28E-09	138.28	17927000
0.0024278	75.229	2735800
0.054536	55.426	272510
7.09E-06	107.35	57852000
2.54E-06	132.86	82430000
0.018086	78.661	0
7.79E-05	112.12	34988000
0.0090324	57.973	10127000
5.44E-06	128.9	1361700
0.00027833	70.072	3543900
1.39E-19	129.37	1491400
0.02118	80.438	2088800
1.01E-05	68.895	857730
0.00043238	85.672	2812500
9.68E-05	110.25	2619700
1.05E-38	178.56	30527000
0.0066644	45.957	1909400
0.00020559	88.319	8539700
0.033864	42.068	3130600
0.028961	44.382	71949000
0.037583	45.433	621890
7.60E-05	100.69	12400000
4.07E-05	140.75	15240000
0.00020825	88.108	2099400
0.0094581	61.78	1596400
1.69E-06	130.01	2639300
0.00038798	74.726	1290000
5.05E-05	111.52	8702200
0.034369	44.511	784060
0.012373	54.094	1875900
3.70E-18	157.14	7644100
0.00011146	96.303	15663000
0.010689	52.265	74286000
0.0010249	75.02	4163200
0.0005106	84.479	2582100

1.64E-05	100.92	3982100
4.32E-05	116.04	2659500
5.62E-05	132.03	7637800
0.0093849	58.511	1440200
0.0027951	63.69	7094700
1.90E-07	119.48	22655000
0.0087623	74.162	382550
0.013934	56.548	457670000
0.00043911	115.23	9202200
0.010044	60.691	1796100
1.39E-07	76.818	7028600
1.54E-36	153.48	142550000
0.039262	52.527	124750
0.011406	52.769	2676300
0.0029308	63.639	1796400
0.054322	40.589	1534700
0.023947	65.278	228620
0.00024208	92.906	1342500
0.025769	88.177	1252900
1.53E-05	105.99	2165900
0.00010483	125.72	5292500
9.56E-08	123.58	8289600
0.0030796	95.018	0
0.00036781	76.158	2258900
0.03086	42.338	1240900
0.036343	69.344	575130
2.22E-10	84.549	23011000
0.010217	48.371	787660
0.025497	61.657	0
0.00046213	127.87	1779900
0.0007468	70.98	1620000
0.0017098	67.648	2814400
0.034993	43.084	433380
0.034884	41.577	682590
0.00080211	88.187	3553700
0.028067	73.616	159570
1.25E-08	100.93	10906000
0.005073	75.743	0
0.0038012	63.682	1581200
0.0094504	68.44	927490
0.0012395	66.777	6512100
0.015687	63.624	1150900
0.033961	60.828	1105500
0.0096875	61.353	4447700
0.0080707	50.883	6678400
7.21E-25	166.34	15229000
1.18E-05	121.36	134870
1.96E-26	175.74	13346000
0.00045707	84.734	3257700
1.52E-08	104.81	12735000

4.67E-06	128.91	15580000
0.020072	51.998	254620
0.0098001	45.992	221220
0.016217	53.034	1762600
0.00014713	74.584	1996800
0.00021951	100.02	3366500
3.12E-05	113.25	11917000
0.033107	42.629	398670
1.08E-12	131.09	2122900
0.012647	44.5	1626500
0.00014749	117.26	2463500
9.17E-05	120.09	710820
3.37E-14	142.57	0
1.23E-08	109.44	2733200
0.001732	69.03	1225700
0.033715	40.52	474130
0.001984	59.182	1896900
0.0042863	66.538	973840
0.033235	49.189	816940
1.49E-05	118.37	4873300
0.028774	41.554	870820
0.00055008	68.411	1394100
8.14E-20	136.96	16067000
0.014887	66.568	0
5.42E-05	100.19	1407200
0.00033634	82.755	7931600
0.00019799	87.228	3485600
0.023587	55.589	656170
0.0003806	87.641	18530000
0.0024867	69.088	791700
0.015116	48.351	5359900
0.035191	43.316	384860
0.042919	40.941	1235900
0.00017937	101.95	15054000
0.0069339	89.283	4461300
0.035095	66.351	443120
0.00065298	77.795	2285300
0.0068869	120.62	2515800
0.013568	70.17	631040
1.46E-05	114.21	10694000
0.012694	51.771	1732100
0.00038945	77.795	3194000
0.0021778	55.007	1892000
0.0016991	67.095	681050
0.011025	55.291	4593400
6.79E-33	171.04	13440000
0.0051315	53.327	3305900
4.26E-06	71.86	1625700
0.00019004	103.88	47503000
4.61E-07	134.25	62991000

0.0024508	66.246	959480
0.00026294	83.751	538600
0.00023138	82.189	2349500
0.044225	46.158	667340
0.0018557	73.435	986580
0.00099083	71.853	3355700
0.0096	63.694	6627900
0.00013275	93.738	1456100
0.0066559	67.115	3903300
0.016141	68.786	0
0.00037142	79.676	3846000
0.00069192	65.184	5696100
0.0045073	70.977	9268400
0.00082268	89.561	1961300
4.14E-05	107.97	38475000
0.00022497	107.03	2421900
5.68E-25	169.6	16733000
0.036253	75.294	505870
0.0026064	74.237	282560
5.30E-29	163.15	8923500
3.15E-16	144.82	21884000
7.39E-76	203.64	192210000
5.61E-29	162.76	20152000
0.0041829	51.166	3575000
0.0084637	57.567	7748500
0.00033149	92.977	35770000
0.0020217	81.854	6097900
1.91E-06	123.26	3885300
2.17E-05	102.47	9248100
0.0086852	55.415	372350
2.46E-05	101.08	26120000
8.39E-08	78.043	0
2.26E-10	116.69	73633000
5.77E-22	137.43	6340100
3.59E-05	121.32	10211000
0.020231	62.377	0
0.00030474	131.5	16721000
0.0012206	101.46	558890
1.96E-61	194.15	9807700
5.24E-06	127.87	5123500
0.0015148	84.734	6806600
0.0039402	53.536	830630
0.015521	44.029	130450
0.0019084	73.082	708350
0.044309	40.315	582680
0.0041031	74.841	1810200
1.55E-14	149.22	44485000
0.0025297	85.203	0
1.85E-06	134.13	19916000
0.026901	45.864	2821600

1.13E-05	110.8	5051000
1.88E-13	152	12808000
0.00020171	88.319	1277600
0.00010309	94.845	3946300
2.10E-30	175.56	8610000
1.35E-05	97.662	4526000
0.00028219	69.765	6362200
1.74E-05	64.547	5060700
1.22E-05	124.67	2203700
0.0031216	70.089	1544500
0.00020424	88.427	6205500
0.00092159	74.649	1729300
0.040517	61.56	207800
0.012365	56.122	934150
0.030884	43.024	3320100
0.0054057	63.966	945100
0.031976	58.658	0
0.0016978	67.102	1461600
0.00084944	77.633	738110
2.45E-07	136.83	3319200
0.00043437	73.11	4334100
1.59E-08	112.14	16142000
0.0010745	132.76	2499200
0.025141	59.418	352920
0.016283	76.679	403530
0.035808	63.426	276580
0.00017622	87.447	101630000
0.013987	48.14	267590
0.016932	70.908	1576800
0.00010117	96.673	1956100
1.52E-06	136.27	128090000
0.0071964	43.895	2033400
6.46E-05	86.136	1759900
0.046947	86.866	5933700
1.84E-13	149.32	47369000
0.00033886	86.467	3481600
1.38E-13	114.34	62845000
1.04E-09	94.837	47863000
0.035199	45.257	343810
0.020098	51.979	2474100
0.0095078	52.112	6032500
1.39E-111	234.62	19352000
0.047805	42.475	2377500
3.84E-08	132.23	126500000
0.0056229	51.526	5162600
0.0022211	67.136	930870
1.85E-24	146.91	32481000
0.0035323	89.698	1580400
0.00039745	71.531	12499000
0.0031166	64.136	3342100

0.023404	51.927	492560
8.77E-05	99.392	5301800
6.14E-11	85.399	1578500
0.002988	54.466	513650
0.00067979	111.46	7648800
0.016103	46.209	2080200
2.68E-08	111.99	53617000
4.63E-05	121.45	2039400
0.0091523	48.196	3750900
2.67E-05	120.11	2783000
0.00023564	83.252	3166100
3.34E-06	116.79	44533000
9.35E-06	106.28	6814000
0.0013549	71.153	1287900
0.0079519	79.906	366750
0	378.42	80207000
3.56E-15	118.54	104450000
2.01E-12	112.55	33176000
5.26E-09	128.74	3280700
0.00030413	128.68	34210000
0.050673	40.725	106390
1.19E-99	243.91	45482000
0.01889	44.415	2641900
0.029378	42.708	1376500
1.65E-06	124.38	323060000
0.00014322	87.509	7295800
0.0045867	96.034	9057400
0.00011412	89.604	20515000
0.0018519	85.355	467240
1.70E-14	158.29	18481000
0.00011379	95.236	1826600
3.69E-27	179.94	11630000
9.42E-06	131.12	869710
0.004694	78.098	3725700
6.73E-05	116.58	1560200
0.049279	40.066	775680
0.044459	51.004	871380
0.00036931	76.051	2990900
0.007803	78.264	3097800
0.00095245	70.529	1781300
0.002587	93.111	3635200
1.08E-09	140.68	9851500
0.001851	73.466	6871100
6.21E-10	104.18	3779000
0.010877	63.076	19828000
6.29E-05	86.357	201930
3.13E-06	134.02	21485000
0.044283	44.639	422960
0.002476	83.081	22171000
0.0010346	84.188	1007400

2.74E-06	118.52	35762000
0.0035738	62.378	3738600
0.013297	57.019	1397200
3.93E-05	112.85	22088000
0.00042132	95.755	9754600
0.0087012	57.788	4257700
5.45E-14	157.38	2488400
0.0078995	88.177	262990
0.01975	56.432	1263200
0.019081	70.056	600300
3.25E-05	124.47	29770000
0.022146	44.925	8195900
0.00074381	70.96	11646000
0.001789	73.881	197950
0.0066941	62.891	2225100
0.00094865	89.629	2831100
0.0070036	54.412	4192900
0.00038733	74.772	13066000
0.00033576	118.87	12695000
0.0020718	63.754	5142300
1.11E-08	140.33	12241000
0.0024799	48.449	2702700
1.29E-08	111.38	15938000
0.0018798	73.273	4287000
7.18E-06	69.782	3903000
6.45E-19	162.38	48240000
0.00031553	57.21	2354500
0.00015505	93.766	4824800
0.019385	56.632	329140
3.36E-13	155.48	23026000
0.00026485	78.794	1035800
1.52E-53	187.52	55319000
0.00011178	94.45	1266600
0.0070362	54.368	519730
0.0031408	53.909	741150
0.053534	42.001	883530
1.42E-06	122.33	20342000
2.61E-05	103.97	3704700
4.33E-104	228.19	125240000
0.00094414	90.434	821310
0.0159	86.011	13225000
0.0044035	86.882	2829600
0.0057108	66.267	1407800
0.00043978	77.051	7836000
0.053842	66.267	0
4.66E-19	164.48	64821000
0.0049921	65.565	3533300
0.005484	74.173	1254700
0.00048734	71.143	6733500
0.022263	43.946	1435300

0.0024661	67.234	8716900
7.34E-46	199.19	24182000
0.040708	41.621	263770
0.029824	42.708	3345600
0.0020043	62.765	4974800
0.0084889	77.318	7829000
5.79E-05	78.057	378510
0.026588	56.721	560150
6.15E-40	180.64	121660000
0.00041485	72.819	10830000
7.26E-05	118.28	4153300
0.023404	51.927	2550500
2.23E-08	140.14	31106000
2.31E-08	139.86	8722800
0.00028155	109.15	24751000
0.00030211	103.21	2810900
0.041885	56.094	123590
0.00076715	70.41	5779500
0.0032093	55.206	1242800
0.0086304	59.116	1669600
0.00035117	81.788	7839300
1.16E-19	162.93	6213900
0.00091167	114.5	22608000
0.0061782	100.82	0
0.0004146	72.433	1577800
0.0042971	63.16	3187300
0.0080194	62.237	0
4.10E-31	190.26	13392000
0.0025986	84.975	0
1.29E-05	104.9	2626100
0.0044786	86.624	92884000
5.19E-64	204.67	8155500
5.05E-05	102.05	2243300
2.48E-08	142.97	3478900
0.00051811	95.477	3402500
0.0046574	58.09	858770
0.00017745	90.561	15000000
0.033826	47	2251800
9.69E-06	124.29	35722000
0.023898	45.384	2019700
0.019585	64.394	0
0.0024074	83.862	651230
0.0031601	56.936	4265500
0.0051369	57.499	2772800
0.019586	48.112	422800
3.32E-05	97.083	4783100
1.44E-06	136.7	13868000
0.00032261	99.215	6878800
0.026471	67.997	0
9.67E-05	113.38	796160

5.26E-06	130.47	95123000
0.0012196	76.728	70301000
0.003231	76.073	6350400
0.0004092	55.012	3300300
1.29E-30	178.02	12269000
1.65E-06	104.45	1500500
6.93E-40	182.91	68576000
0.00014389	75.064	1336000
2.53E-21	165.78	76129000
0.022261	52.391	2263900
0.00013768	83.167	2690800
0.028819	63.184	725820
0.0062362	77.533	140230000
0.012129	57.885	2952900
0.00012589	80.002	9215500
0.0017056	57.147	721910
0.00011964	95.873	1109100
0.00039208	112.51	2181100
0.00037023	85.457	4655600
0.036223	48.423	306700
0.00034364	64.87	1775300
5.44E-07	108.14	23416000
0.012394	50.024	7797600
1.99E-26	175.65	18761000
0.005648	52.185	944490
0.011235	49.343	1091200
0.0016689	67.234	5565800
0.00086291	86.625	0
0.00021709	88.486	10391000
0.00035263	78.401	2670400
0.0065073	59.306	2842200
0.00016548	88.565	2595100
0.0015865	102.51	1100600
9.51E-22	149.67	14064000
2.02E-10	92.238	12287000
0.0020555	50.029	1398600
0.00041011	84.173	2004500
1.22E-05	117.4	2079300
0.00011527	95.067	16505000
4.61E-22	137.62	6050700
0.0027204	59.261	9567400
0.00041199	78.285	9352600
5.96E-05	109.67	5167800
4.87E-07	112.53	13445000
0.0011054	62.663	1136600
0.00019314	89.311	2559500
0.022567	50.149	466220
0.00015461	92.38	184560
0.0098462	51.695	1054400
5.06E-23	158.52	33607000

0.029382	43.532	4420200
0.00014611	92.269	57069000
1.07E-160	235.73	36571000
1.64E-11	166.3	30123000
0.00074514	96.881	0
0.0080508	48.146	1065900
0.049369	45.115	447740
4.45E-05	107.34	6529400
5.68E-05	99.941	13580000
1.36E-05	111.63	1651800
0.036165	48.44	377580
0.00032667	59.429	6912600
0.0023258	56.055	1683400
3.66E-05	89.663	3335700
0.0063736	55.975	4907600
0.034438	43.548	138200
3.66E-15	115.96	15892000
0.00027297	84.208	4376900
0.0010468	107.83	2276900
2.88E-46	201.38	9898100
0.0080268	64.439	1358800
0.00080208	54.259	5079300
0.00012215	96.371	7835300
5.48E-06	127.42	15045000
0.0032794	63.037	524020
0.0067384	64.224	1391100
2.67E-35	187.78	110050000
0.000893	76.311	2944400
0.00058848	80.3	1128000
6.44E-05	104.87	7042500
9.18E-27	172.76	8742200
0.0064175	61.641	3850400
0.011794	75.652	159610
1.06E-08	139.64	13664000
1.51E-162	261.17	45607000
0.00044037	71.402	3036300
0.005543	54.805	1399700
6.29E-05	83.064	1305800
0.00077806	98.044	6870600
0.0011732	75.358	1163900
3.23E-09	145.49	2366500
0.0042973	54.764	1146600
0.012632	48.214	2698200
0.045837	54.288	0
0.014963	61.276	0
2.51E-17	122.6	16485000
0.0059005	43.073	943370
0.0014921	72.265	2025000
0.00014292	90.707	4993200
0.0017005	86.898	13372000

0.024535	81.191	208710
8.35E-09	126.29	11660000
0.016212	46.892	853210
0.03679	55.546	0
0.0013889	110.76	1530200
0.021822	45.82	447410
2.34E-98	229.56	156110000
1.04E-07	143.24	42283000
1.54E-58	205.07	41677000
0.00010386	91.622	3840000
0.017416	53.967	6827900
0.0012897	68.978	2045300
0.0011557	69.594	6393100
0.00094608	95.483	3036400
0.0054253	74.464	866930
0.00076632	53.475	2806300
0.041868	51.854	471740
0.053534	42.001	3240800
0.0068896	73.9	3684200
0.00041084	75.564	8526600
0.028742	47.991	1752700
4.40E-30	177.44	3058000
0.0065155	47.618	334160
0.0075603	65.305	2345800
0.00011356	87.323	5770500
0.0022256	64.675	5472700
0.00721	60.255	5992500
0.0023561	83.998	2756700
0.00032691	89.44	1361600
0.00010514	95.195	29841000
0.042883	86.014	1527800
0.013917	88.37	658320
0.00019005	59.189	583320
0.00086572	87.323	9980100
0.025769	51.495	4678900
0.0097628	44.931	514970
0.047738	48.288	465790
0.00081181	89.466	2106400
2.60E-37	171.29	47138000
0.0020661	77.726	2180000
5.44E-10	84.962	59137000
0.00039896	98	854820
1.72E-17	128.29	24457000
0.026589	69.954	1793200
0.0071226	51.876	1105800
0.0013969	81.317	1500100
0.002371	75.463	821550
0.0018937	70.944	36774000
0.0031228	60.541	3155400
0.030783	41.257	3352200

0.019818	64.04	2126100
0.027001	49.483	1203500
0.034972	45.863	14094000
0.025809	66.92	816010
0.0072996	51.611	2589000
0.0007896	75.669	43965000
0.024844	67.385	2669600
0.013884	55.04	797410
0.0050759	58.246	1449600
0.00092482	88.19	5116300
0.00013686	109.15	37921000
0.0099912	58.024	1638600
0.009852	70.622	1966000
0.025511	52.579	467110000
0.00035196	113.65	31754000
0.023947	65.278	346040
0.00374	73.834	2025700
0.0011707	83.633	211590
0.030257	56.599	519220
0.0010152	105.13	282400
0.0080484	77.124	1148200
0.047684	84.213	4361000
5.13E-92	220.63	58304000
0.0033012	75.764	2817400
0.032518	44.807	389590
0.0012491	68.481	306350
5.94E-07	87.532	4041400
0.00037833	86.539	5555700
2.08E-12	129.51	11305000
0.0014245	76.051	18866000
0.00019349	80.412	8151200
1.18E-28	178.47	83771000
0.00034398	61.112	2580800
1.62E-43	160.41	51637000
2.51E-14	148.24	3553700
0.033217	74.325	0
4.12E-05	68.657	2133400
6.75E-17	154.72	23965000
0.0048635	81.709	2610000
7.75E-05	108.17	306220
0.01404	61.641	2148700
1.62E-06	111.66	8973900
0.027358	71.342	0
0.012378	58.427	6714100
0.00010646	94.569	6970100
0.040647	50.843	97230
9.75E-05	111.11	17184000
6.21E-16	112.75	93084000
2.88E-12	157.52	54701000
0.018782	61.423	7778000

0.00067867	92.856	4392300
2.64E-07	72.791	4116600
1.72E-08	138.45	83265000
0.027666	45.864	1922800
1.91E-06	98.135	8271600
1.58E-61	195.86	14441000
0.025523	45.257	1283100
0.0027558	57.708	899770
5.41E-06	69.47	4912600
0.008564	50.117	918350
0.00063611	79.492	1642100
5.15E-22	172.56	71105000
1.79E-33	175.56	3090200
2.21E-05	94.45	6538300
0.0002451	86.479	12841000
0.00048709	98.353	6732600
6.58E-89	234.9	38822000
2.73E-05	101.54	3386600
2.50E-40	181.4	31216000
0.0054244	52.612	292060
0.00032512	82.007	728820
3.99E-06	74.841	6050600
0.0028454	63.374	583720
1.89E-14	149.31	19935000
0.0017906	61.167	1564500
2.92E-05	119.48	9101200
7.59E-07	80.847	6081300
0.0023985	82.171	6866600
0.0040062	76.228	1285700
0.00082485	97.597	456920
0.023375	46.156	361220
0.0088696	60.301	1495800
0.0026841	77.74	2033300
0.00042442	99.343	3316200
0.00048531	70.986	2152000
0.045366	58.63	0
0.00047441	96.23	8983100
2.59E-05	117.7	11605000
0.00014748	54.081	2267900
0.00015519	113.77	4033500
0.00076247	63.578	2316400
0.0025222	60.657	1372400
2.57E-18	133.68	12935000
0.010422	82.749	1796800
0.00023743	98.253	12170000
0.011452	45.126	2075300
5.73E-05	90.22	4671400
7.42E-05	114.56	2107500
0.0043749	78.692	1702800
0.00087305	63.488	1407300

1.88E-08	100.94	2165200
1.83E-12	148.13	17969000
0.00056941	76.759	1917900
0.00061079	75.574	1370200
7.63E-05	93.495	2591700
0.00080686	68.567	1391000
3.27E-09	113.36	214390000
4.53E-16	139.2	4558600
0.03311	57.836	360050
2.78E-56	181.65	753870000
3.93E-06	72.805	53645000
0.0032102	86.738	0
0.00013885	93.754	51740000
0.030651	54.776	221800
3.84E-05	126.12	54039000
0.0030625	73.781	1907100
0.0094129	76.522	0
0.00039039	74.324	2166000
1.49E-05	92.39	10396000
0.009519	48.053	1434000
6.99E-07	82.665	4401300
1.02E-05	93.269	3994100
1.25E-09	115.68	16200000
3.94E-08	82.261	14722000
1.48E-260	305.3	31210000
0.017156	57.859	1004400
3.35E-05	127.02	2754800
0.0006023	69.069	1320200
3.57E-26	171.49	81510000
0.001216	67.579	2224300
0.00066108	70.802	1242000
3.52E-10	118.44	18597000
4.69E-38	174.2	63728000
9.65E-05	97.2	1228100
0.0059833	43.622	877410
0.00063293	76.759	1685000
0.0003267	71.601	4537700
2.00E-38	177.02	454980000
2.76E-16	169.65	245210000
0.00055272	70.117	1368000
0.017482	65.956	0
3.47E-38	186.96	8039800
4.26E-38	171.32	65988000
0.035756	42.149	1017300
0.013901	48.391	604270
0.0010064	70.281	1010400
0.0017493	61.477	2630700
0.0022316	83.891	0
0.0004804	91.401	41774000
0.043605	81.525	5398700

0.0010985	122.7	3251100
1.26E-46	202.65	37299000
5.40E-44	184.97	120780000
0.010855	60.602	0
0.018077	51.218	412050
0.007786	54.234	368200
6.31E-05	115.29	9271000
0.032584	46.88	260330
0.0015284	71.888	2422000
0.010513	46.415	3180600
0.0006934	73.208	517730
2.09E-05	91.964	4049500
6.67E-10	146.2	5656800
0.00081933	64.83	11551000
0.00095944	58.997	1795700
4.69E-39	179.85	6780300
3.96E-06	126.16	17639000
9.88E-11	153.97	2268000
1.27E-12	130.01	7781600
5.82E-07	127.22	456220
8.02E-05	87.802	3321300
0.0020316	85.807	4032800
0.02097	40.137	125130
2.96E-06	124.12	22480000
0.0030314	71.241	286790
0.00016513	91.441	2679200
0.002312	66.784	2028100
9.02E-07	113.63	5276000
0.0019561	84.821	15273000
0.0014663	76.326	11026000
9.75E-20	164.22	39341000
0.0081704	40.285	2112600
0.00037951	98.253	3878800
0.00066655	80.236	831400
0.028815	51.445	837350
0.0077329	111.04	473310
2.57E-10	115.39	3654200
0.021308	43.476	2572400
0.00032171	84.62	15326000
4.77E-05	104.41	2940800
6.89E-56	200.97	24552000
2.70E-11	105.17	2109100
0.0078651	43.681	1211200
0.0063112	40.668	2210400
0.0019241	64.507	2684600
2.60E-16	125.91	19199000
2.78E-05	62.237	11041000
0.0051648	41.811	1465200
2.09E-11	93.104	3767000
0.0020406	77.379	232820

1.91E-44	191.19	40007000
0.00044354	63.488	13985000
3.56E-17	154.1	16873000
2.98E-07	115.26	8801500
0.00011798	92.65	794280
0.0018191	54.658	1830500
0.0184	53.237	564470
0.013626	50.843	477610
0.024032	44.045	1052300
0.034914	48.794	576970
0.0013644	89.9	1875700
0.00085208	66.261	3473900
1.03E-58	207.95	50142000
0.00026694	91.961	2199800
0.00012217	116.55	1573400
1.38E-15	125.19	18151000
0.0037296	99.013	3447100
7.38E-39	179.85	20033000
1.26E-09	145.29	14697000
0.00015548	84.493	2190900
5.83E-07	139.15	100050000
7.59E-12	168.27	8298300
0.010177	76.156	0
0.015522	57.019	3334900
0.022987	62.694	15755000
0.0010974	76.357	1238000
0.024821	66.498	1605300
5.85E-09	137.62	37588000
0.00010417	97.579	254570000
2.32E-06	100.9	8333600
0.011618	59.542	845240
0.003582	74.944	16609000
0.0088484	57.225	113490
1.25E-05	110.08	6434300
0.016185	57.52	494040
6.69E-08	77.51	10110000
0.00059776	91.701	1271600
0.047833	45.137	596780
4.78E-05	121.13	34882000
0.0036352	64.565	1763800
8.07E-05	112.62	16376000
3.81E-20	167.84	2229200
0.0019558	78.705	0
0.0034298	84.615	380110
0.00073302	72.731	425880
1.29E-12	108.49	5390100
0.0019912	60.317	4087500
0.0026819	53.454	468920
4.19E-07	103.92	2239500
0.00030198	80.102	15461000

1.72E-05	98.188	13614000
0.0436	40.756	2670000
0.00093081	85.973	11520000
0.00055971	69.747	596020
0.0079078	42.416	542830
0.029979	50.805	2292900
0.00046479	72.421	1517700
9.88E-06	107.91	13382000
1.34E-05	93.196	36094000
6.37E-21	160.78	71760000
0.00013434	83.436	7428300
1.93E-05	87.802	1756600
0.009612	53.168	428040
0.01944	64.439	7088100
4.68E-22	178.53	10677000
3.52E-06	125.61	79191000
1.20E-07	95.926	9152200
0.0010989	83.081	1077500
0.0094727	65.5	4891500
0.003003	87.258	35733000
0.001366	60.564	3089600
0.0010414	72.615	1141300
2.45E-33	129.35	176470000
3.49E-07	131.18	26199000
0.00016579	92.039	5292000
0.012373	54.094	1548800
8.90E-05	121.21	47577000
0.022291	50.354	1391500
0.0010218	69.111	7829800
0.009182	58.674	1613100
0.0017359	74.237	2625400
0.02012	51.875	157320
0.022783	45.221	300300
0.024673	43.328	1307500
0.028637	45.33	829000
2.52E-07	103.94	16938000
0.044806	50.805	331590
0.012001	48.351	87273
0.0065361	50.944	1671400
0.00024641	90.689	4225400
7.11E-06	125.36	53237000
0.0067066	54.805	1223500
0.0091983	53.168	309000
0.016028	56.959	2122700
0.024042	60.528	0
0.00090922	86.344	5038900
2.23E-63	207.95	83499000
0.0023292	59.792	5875100
1.22E-06	103.31	44113000
0.00037481	66.448	13013000

0.00095798	67.43	5917700
0.0088299	78.934	1279700
7.89E-44	187.56	161590000
1.27E-06	103.27	2125900
1.83E-05	64.68	768530
0.00054766	136.16	50542000
2.45E-81	225.22	790780000
0.011923	75.509	721870
0.038822	43.184	1472800
0.00063927	74.732	7745900
0.02434	63.16	0
0.018737	51.013	422050
0.0023286	61.87	13917000
0.0061013	74.944	390210
0.0061748	100.02	12819000
0.001851	73.466	1158300
0.0074281	60.08	1435500
0.0055251	57.788	3228500
0.00094919	77.894	6359200
4.47E-28	176.78	1671300
0.0002933	68.88	2825800
2.31E-61	192.62	858680000
3.64E-05	65.587	11209000
2.15E-21	169.99	479940000
0.028953	68.845	341210
0.00026801	110.6	10625000
9.32E-05	123.95	12037000
0.04633	58.63	839860
8.81E-08	80.117	10586000
0.0022814	84.817	374650
0.0031613	77.137	0
4.27E-17	148.52	9585500
0.020042	62.469	0
0.0031087	62.589	649650
0.018033	42.831	242180
0.00080601	96.666	0
7.55E-27	174.21	57991000
3.71E-07	115.39	5855200
0.0011049	66.325	943760
0.0066503	57.788	2253700
0.0006737	65.598	9330600
4.93E-18	127.17	11446000
4.65E-33	178.14	16120000
0.009418	59.898	56287
0.00057338	79.332	4100600
0.0095003	54.951	1890300
0.011062	53.395	1476900
0.0050715	68.978	1179000
2.21E-05	118.08	248720000
0.011637	61.765	572140

2.59E-06	131.32	4566600
0.050724	42.802	700290
0.035656	67.605	0
7.05E-07	149.65	74414000
0.022655	43.349	2580300
0.0049809	73.435	1091100
0.0012955	77.185	1246900
0.0025886	70.438	1524500
1.28E-05	113.65	6058900
0.00015346	90.22	6235500
0.0019401	58.107	855260
0.0011804	90.476	789130
0.00229	81.625	2903600
1.50E-92	215.88	310700000
0.012063	48.899	252240
0.018982	54.784	444780
5.30E-05	105.66	9806300
0.0075703	56.872	1266500
0.00052537	73.252	2511900
0.003677	65.043	127870
0.016909	54.343	617930
5.15E-12	139.78	9143100
0.01181	59.418	2055400
0.00031851	84.759	3306100
9.73E-05	98.337	7009300
4.70E-05	111.94	1210800
0.0052341	67.214	278550
0.0015766	87.713	286440
0.036169	63.283	239290
0.00012472	112.42	7114000
0.035121	45.28	166810
0.034234	56.729	106230
0.00064132	71.929	820420
0.018057	58.164	3449000
5.24E-08	139.74	5153000
0.028018	73.665	941130
0.0019793	82.483	4648000
0.0097947	42.039	1716300
4.10E-05	102.84	7598500
0.018108	51.979	284940
0.00016386	93.228	4632200
0.00013675	119.22	1856900
0.0020436	65.511	636230
0.00054633	77.42	3044300
0.047978	42.425	408700
0.00035892	81.807	2357800
0.00011898	135.8	110920000
0.024427	57.348	1770200
0.00012622	102.97	6027200
0.043864	47.037	289970

0.029251	47.844	414340
0.00059521	81.565	4444500
1.72E-08	138.45	6172200
0.00010758	120.03	5942500
3.25E-19	166.14	8700000
0.042361	77.058	1457400
0.013899	54.56	0
0.0073202	48.907	4361000
0.0011841	68.283	5318800
0.012748	70.942	0
0.032341	45.115	455000
5.33E-13	102.66	3002700
0.0030595	67.153	2741500
2.41E-07	122.13	54927000
4.76E-20	165.24	18939000
1.84E-32	171.39	10989000
0.024325	55.549	703080
0.0083516	87.258	1497300
0.0003799	87.667	1689700
0.00022844	86.777	2891000
0.0085199	54.402	924490
0.0035872	70.488	11341000
0.00028297	84.508	3863000
1.84E-05	144.77	57298000
0.00050195	55.049	759990
0.0030105	91.658	1151300
0.00054574	83.53	887760
2.73E-05	123.68	3383000
0.0018617	99.815	1881800
0.00032849	81.992	11633000
0.0043749	78.692	560170
0.0052822	83.869	438220
0.032914	70.525	3181100
0.0026851	53.444	1548800
0.042941	45.022	886660
0.01838	53.252	948700
0.013215	46.159	3538700
0.00049001	65.954	3210200
0.002097	78.488	846170
0.040412	40.693	929820
0.00030712	90.434	1569400
0.01354	55.98	181540000
0.0052444	83.998	69970000
0.012971	68.355	929710
0.018217	65.179	304700
0.030963	65.347	226200
3.39E-37	182.33	28719000
0.0033871	65.231	2059200
0.0024566	80.763	1923900
5.37E-09	142.4	3475000

0.0528	42.21	542040
0.049615	42.809	324050
7.69E-06	98.627	0
2.51E-06	130.06	5901100
0.00713	58.752	438670
0.0021219	76.927	5408800
4.95E-05	106.31	3231400
0.0083885	81.619	0
0.00014152	90.498	2620200
2.41E-06	126.66	6205500
0.0046675	62.035	1164300
4.17E-09	140.68	5011800
0.00437	74.207	0
3.59E-30	187.42	26915000
2.13E-56	187.86	47740000
0.01936	82.241	2330200
0.0090065	49.708	1507800
0.00010335	97.86	12575000
1.03E-08	110.4	16079000
0.0036511	67.997	1152100
2.33E-17	147.02	42527000
1.57E-05	66.447	1459900
0.022097	50.484	5933000
8.82E-07	88.976	1882100
1.13E-08	108.69	10460000
2.23E-07	123.19	12707000
3.48E-15	166.07	10010000
7.88E-06	70.679	2798400
0.026719	45.084	1581600
8.17E-08	96.633	95515000
3.30E-56	187.76	509730000
4.17E-06	103.71	6131200
0.0022881	54.668	2557100
3.08E-16	142.04	18388000
0.00053997	55.977	4027900
0.015467	69.864	0
0.0096811	58.274	437010
0.00012344	97.463	3387200
0.022706	77.533	1205500000
1.36E-07	145.99	75611000
6.27E-05	110.08	1883800
0.00047656	105.2	333010
0.00053582	70.335	1499600
9.82E-08	81.406	4276000
2.18E-06	123.26	3590400
0.0020074	67.964	320960
3.22E-06	70.718	807270
0.00088307	67.994	624290
0.035968	40.515	1329300
0.02229	48.112	1031500

0.00032847	78.95	6260300
0.00043821	102.52	1832500
0.015798	56.956	1261600
1.19E-11	138.05	3346600
5.18E-05	110.29	4754700
0.017356	51.591	853920
0.0015428	83.081	857580
0.0088011	61.213	1202600
0.00080712	97.813	1691600
0.00066996	70.134	6910600
0.00047933	70.114	404410
2.62E-05	99.413	1421300
0.00029975	84.249	1228400
0.00046418	75.968	694530
0.0013856	90.108	48228000
0.010698	68.893	1349900
2.23E-35	164.04	35610000
0.012559	55.291	1405400
0.00039652	74.12	616500
0.022408	41.988	2507800
8.60E-05	70.091	5399900
0.0012596	58.904	1185200
0.0077666	47.058	1722900
0.0063912	56.122	1967400
8.66E-18	157.88	9210500
0.039188	56.599	0
0.00094457	91.313	4614700
5.34E-05	63.713	4280600
0.044779	46.001	2753500
0.0070138	55.186	458010
1.28E-06	109.03	1647800
2.70E-11	112.61	19778000
0.020163	46.156	550720
5.56E-20	115.83	259260000
0.0078087	46.099	1968900
0.0013817	67.102	3043100
0.00037248	99.752	2781100
0.00033353	97.291	3253500
0.02042	81.191	32243000
0.00015415	73.546	1779900
0.0046936	65.495	2010800
0.0028913	110.53	46491000
0.048078	65.305	211940
9.73E-06	111.72	7425800
5.44E-07	118.54	6841300
0.0014112	70.272	2090700
0.01582	60.561	0
0.015718	41.672	203760
0.005138	47.806	2826300
9.25E-05	114.69	17318000

6.86E-33	126.75	7546500
4.39E-08	128.68	4391900
0.00041932	83.877	9887000
7.27E-05	101.05	2228200
1.84E-52	202.96	3705100
4.78E-10	132.15	0
0.00013258	92.307	4002700
2.31E-38	188.59	8695900
1.04E-65	213.85	14225000
1.25E-13	139.19	15811000
0.006168	59.607	1877800
0.002769	79.148	2467200
0.0023382	65.374	786680
2.86E-06	124.6	2260000
0.00013601	95.273	4066600
8.17E-05	97.823	9552800
1.93E-05	120.03	2151400
0.016705	69.01	711990
0.00013688	107.98	2681600
0.01444	52.498	3395800
0.030501	77.597	0
0.0017727	58.49	1707100
0.00070745	64.83	542690
3.51E-33	129.01	67427000
0.0095332	70.117	0
0.0044965	60.768	610440
1.76E-08	124.45	12759000
0.042512	42.083	469840
0.00029877	99.671	13683000
1.01E-10	153.95	7248100
0.017417	52.071	1184500
0.027125	44.294	1069900
0.00054666	82.069	1461200
0.00058226	71.354	3711800
1.50E-07	124.25	7843100
4.77E-09	95.153	33945000
0.0014487	47.983	3463300
4.62E-52	205.13	142580000
0.00032404	86.944	6325400
0.012737	54.811	257790
6.60E-05	111.81	1176700
0.025394	53.327	1063200
0.025784	60.598	256120
0.0059134	62.799	544590
0.00055654	70.944	2018300
3.25E-26	172.33	30363000
0.028438	73.248	603220
0.025407	83.081	0
3.29E-07	114.55	22359000
0.00021399	78.513	5672700

0.00033835	79.942	8703000
5.34E-19	159.41	177980000
4.20E-38	167.37	65480000
0.00024019	85.563	1168400
1.46E-08	145	41079000
1.84E-05	67.138	10828000
0.00058343	52.669	212410
0.032767	47.745	0
0.0017895	67.685	9718600
8.61E-05	87.326	5829500
1.12E-06	135.72	7815100
0.00040838	72.383	1957400
0.00024668	85.046	10304000
0.0014301	104.05	1905700
3.25E-22	155.08	32799000
4.78E-07	119.5	2377700
0.050937	42.469	1011600
6.82E-05	117.25	26034000
0.0286	55.721	212480
0.0025319	83.243	1164100
0.0098311	59.116	1169800
0.002423	61.962	1040000
0.012246	60.102	692730
0.00052942	64.538	14094000
0.0012027	71.08	991160
7.63E-23	146.34	28529000
0.0013764	89.827	224190
0.0030563	77.662	10164000
0.0057992	72.607	1388100
0.00016472	90.453	19627000
0.018737	51.013	752880
0.024411	51.276	597000
0.0032479	54.672	949860
6.90E-07	116.43	3050900
0.00033708	100.72	852630
3.52E-57	191.2	2007800
0.00078134	71.316	1260900
0.00026063	120.6	3769800
2.43E-24	158.99	208860000
0.00018781	74.364	13162000
4.65E-18	134.68	163730000
3.79E-07	90.1	63031000
2.71E-07	90.468	2355500
1.09E-07	122.42	2467000
0.048507	65.157	1208100
0.013431	59.908	2804100
2.87E-05	88.04	2733300
0.00094595	85.808	4015300
0.040302	63.816	530780
0.00217	71.601	4245600

2.94E-08	106.11	95600000
4.79E-08	93.546	6987300
0.00063399	55.67	671270
0.00041609	75.017	6179700
1.00E-06	108.47	11028000
0.00075632	71.548	491270
0.010376	67.726	1501500
5.47E-06	128.85	16068000
0.0016493	76.165	15285000
6.29E-08	110.1	16575000
7.26E-64	211.22	142400000
4.85E-09	142.95	42585000
6.95E-21	169.82	10830000
1.23E-05	126.31	7311700
1.84E-12	100.79	785050000
0.014717	64.374	685280
0.036536	57.802	0
0.0003968	81.703	820650
0.00087064	66.022	519610
0.02041	58.981	0
2.04E-30	175.7	4302700
0.00013477	117.79	2263300
0.00066988	81.92	10596000
0.0060872	77.732	639430
0.0049532	61.167	763020
0.00038829	74.812	6653600
0.0043771	80.014	2216500
0.00054179	72.523	1511800
2.47E-07	76.51	4400000
0.00015113	119.25	18073000
0.005297	62.088	3467800
0.00011816	120.87	7843200
0.00028666	73.036	2988000
3.57E-18	158.65	3773400
0.0065886	68.626	0
0.030872	47.915	2343000
0.0029721	78.098	7649400
5.89E-05	102.58	6240800
0.010519	41.423	1099700
0.00015467	113.07	8752400
0.007702	68.557	53651000
0.0012059	100.25	26785000
0.018729	64.841	953770
0.0005841	88.187	9594800
0.010728	55.186	1908100
2.00E-06	103.84	25380000
0.00010127	108.35	6011800
0.000247	101.39	3704900
0.00096375	78.964	5267900
0.0023661	91.637	0

5.20E-05	144.65	39068000
8.22E-05	97.767	2635600
0.00022535	82.609	57605000
0.00033053	88.101	13085000
0.0091463	67.993	921630
0.012894	62.556	0
7.02E-05	74.308	9298700
5.42E-05	119.56	21223000
0.003913	51.876	1408500
8.55E-17	116.2	24379000
0.0084453	59.265	125680
0.03295	40.798	162300
0.0016416	101.97	1472300
1.52E-53	173.36	75679000
1.26E-17	152.66	22106000
0.0016032	89.886	3235000
0.011009	46.178	215410
0.040325	44.639	816340
5.07E-06	75.106	4201100
0.010235	77.379	625880
2.11E-05	64.069	2500000
0.006038	53.861	2029100
0.00047983	71.742	2050600
0.0033288	59.728	955830
1.18E-05	104.41	4406500
0.011108	63.639	0
7.63E-07	80.813	4539700
6.78E-05	85.737	4122600
0.0018108	78.655	1478900
2.33E-05	130.1	20787000
2.22E-08	147.73	2052600
0.016777	76.17	2479400
6.78E-05	118.76	4856700
5.93E-06	95.591	1584900
8.51E-05	98.508	3066000
8.48E-05	112.83	11890000
2.41E-06	135.6	58621000
6.13E-05	100.11	1390500
8.77E-05	98	6514000
0.0019591	79.341	0
0.0023169	83.499	1475100
0.033155	42.257	3305200
3.41E-70	207.16	23090000
0.036944	52.026	692390
0.0051852	42.59	1987800
0.012068	61.222	0
0.017848	51.726	15317000
0.021163	80.455	2069400
0.0095278	61.65	426350
0.011351	76.143	898160

9.17E-05	122.69	3497100
0.0003809	103.26	12192000
0.00019745	88.565	9426100
0.00079653	69.331	12397000
4.78E-09	92.613	5477100
0.019904	46.249	1736100
0.002344	71.279	1199600
0.014745	70.089	0
0.0029904	81.865	600710
0.0011201	59.728	26481000
2.26E-07	133.28	377650000
0.0010849	107.45	18921000
0.0082121	62.077	2973200
0.024825	47.548	852340
6.49E-06	115.91	7135100
0.029657	45.915	2723600
0.01095	91.9	1348300
1.53E-06	128.9	948010
9.78E-10	97.057	496700
0.017464	57.484	0
1.08E-28	163.62	968050
0.00444	60.938	711780
2.61E-07	121.77	29279000
0.032622	76.282	0
0.0047397	95.502	524190
7.86E-05	103.88	9124500
6.37E-05	109.55	4082400
0.00079895	98.048	5923900
0.0010438	52.321	750510
0.020291	72.547	5697000
0.00033102	80.733	2275600
1.10E-05	105.06	5816300
9.84E-05	76.049	9739400
1.42E-230	291.75	285090000
4.84E-09	139.49	11981000
0.00027053	65.765	1016100
2.01E-05	63.63	566200
0.017968	42.863	2003900
9.58E-20	160.47	1678400
0.013297	57.019	2131700
5.20E-05	101.93	6465400
1.46E-06	106.73	2613200
0.00072012	111.06	5193000
0.016251	85.862	1691000
5.99E-08	145.28	36299000
0.0010331	68.129	4863900
0.00048334	59.614	2567300
0.00068815	119.21	2720000
1.08E-08	146.36	57766000
0.01303	58.63	1230400

7.33E-08	94.259	1811000
8.81E-05	107.03	17026000
4.06E-06	72.569	12966000
0.00051469	82.543	7235500
0.00014123	59.561	563460
5.75E-06	122.29	6990000
0.0003968	81.703	4604900
7.26E-05	120.09	0
0.0089319	60.255	442100
0.013577	88.507	0
0.0058026	92.439	2675400
0.0045241	68.626	6463800
0.029336	45.115	333150
3.00E-05	104.26	2767300
0.0058593	62.924	2168000
1.83E-13	151.22	9531900
5.87E-05	108.66	11235000
2.56E-07	76.294	7127100
3.22E-06	119.39	13567000
0.00073267	58.627	1270200
4.14E-07	132.51	23777000
0.030663	67.993	478270
0.037268	71.176	0
4.43E-06	134.3	9840200
4.03E-06	77.675	29915000
0.0028556	92.051	3829300
0.052328	47.855	14805000
0.00012366	78.057	12725000
1.39E-05	93.572	6350200
0.0001079	70.114	12092000
0.00031023	82.609	5312700
0.01039	75.764	0
9.43E-05	96.414	5276000
7.59E-07	76.478	3757700
0.047437	61.78	503010
4.54E-05	104.93	1795400
0.027732	43.454	716460
0.017374	64.654	785540
8.40E-05	85.945	3112000
0.045079	40.278	311920
0.0075457	74.772	0
0.049116	42.095	907120
0.0018754	60.528	1000400
0.00063658	72.662	10288000
8.99E-05	91.337	871280
3.03E-13	150.06	1219800
0.00032069	73.928	922990
6.37E-06	98.175	12695000
0.008582	59.155	799410
0.0066875	85.29	1198500

2.46E-11	106.06	12915000
0.00086276	69.069	1855000
0.0036721	57.708	1787200
0.03952	43.991	360710
0.0019648	69.152	0
7.28E-07	106.7	11462000
0.011351	76.143	564200
0.00013049	90.706	3594700
0.00017408	89.913	5134200
0.00052059	73.464	3706200
6.04E-22	112.86	10365000
0.0018138	66.568	2170500
2.73E-05	113.53	5154000
7.10E-05	91.091	3505700
3.78E-06	115.34	1457400
0.00042949	72.99	2625400
6.54E-07	103.35	7749500
5.60E-28	171.99	84459000
0.0037117	63.727	5349300
0.0003312	78.508	7065900
0.00024837	89.136	4729500
0.0011361	69.729	2930400
0.0063652	58.071	1454800
0.00085199	88.101	28406000
0.0007004	78.401	323990
0.013069	70.399	435230
0.00030509	80.609	6128000
2.35E-30	182.71	217270000
4.49E-07	138.25	7513000
1.16E-52	196.65	180410000
1.31E-05	93.729	9597200
0.035095	66.351	3903400
0.0099306	51.591	997960
0.0014863	78.225	1232900
0.037922	74.89	0
0.00072437	72.321	1222700
1.03E-05	118.84	9930600
0.00031991	89.629	1949500
3.27E-53	170.53	36844000
0.00085462	80.834	1367500
3.54E-87	225.93	64694000
0.00015038	93.243	75070000
0.001691	74.537	5684900
0.031124	47.302	1247600
0.00022263	70.452	1818200
0.0015659	66.335	1991600
0.0019983	83.862	1930300
0.001963	73.983	43052000
0.01207	40.104	759050
3.90E-09	137.17	2684600

0.00034979	70.99	2261900
0.00065518	111.61	11984000
1.68E-16	142.89	19225000
2.42E-06	70.593	5148800
3.52E-26	171.62	31775000
0.0052461	55.885	9473200
2.51E-10	142.58	15070000
0.0043534	60.937	1569900
0.00060971	112.15	13109000
0.041729	42.317	544100
4.45E-05	104.16	3251500
1.78E-08	110.44	2305000
0.0012525	125.74	28476000
0.00091346	65.47	1557700
0.026151	48.741	1013000
0.00026309	107.53	20121000
0.0010056	84.687	3139200
0.00011543	104.22	1946500
1.91E-05	144.65	50999000
0.0048346	70.54	4123900
0.04189	43.297	419700
0.00032892	117.81	19409000
0.0013253	99.013	5769400
0.0028389	83.397	4124200
0.017511	44.089	500190
0.0087045	88.396	0
0.0015373	75.566	2829700
2.01E-05	119.22	2764600
0.028603	47.189	834450
5.47E-08	85.849	3089300
0.0004332	54.66	3197700
0.012999	49.066	7317100
0.0025398	70.907	494130
0.00019295	57.803	5357300
0.0018438	88.134	1154500
0.011164	42.185	1718300
0.040304	67.981	115000
0.0030606	77.64	2104900
0.0011488	62.438	684700
0.00024771	86.573	5624800
0.0058507	51.798	374650
0.00019124	108.7	574740
3.48E-09	132.62	25451000
0.046918	47.618	1753100
1.96E-05	119.68	898000
0.00033136	88.075	3709500
0.004133	72.096	9007300
1.09E-20	165.24	13976000
0.0012281	69.261	1363600
0.0006311	71.98	729380

0.00038851	74.793	1526900
0.0022632	76.143	3174900
0.0362	81.635	13630000
0.0021534	77.078	1363400
0.0071487	63.408	1057100
0.00038877	61.276	514950
0.037311	52.654	0
0.030963	65.347	3984900
3.52E-09	138.4	1230800
1.98E-05	64.772	7987300
3.32E-27	170	32760000
0.00046649	54.683	2472100
0.0043436	96.665	633590
4.97E-05	106.35	27919000
0.0045853	60.401	241080
0.00010307	95.428	9066200
0.0003413	84.468	606330
0.0009416	75.739	9639600
0.00030877	85.42	11382000
1.09E-05	122.18	45488000
1.44E-05	123.14	5146100
2.79E-05	123.76	23484000
0.013726	52.891	830310
0.00025845	85.046	13704000
0.0014386	79.514	3410900
0.00028899	91.123	56148000
0.00037246	117.95	5680000
0.007004	98.523	816580
1.15E-13	143.5	12764000
0.00068838	70.091	7822600
0.04209	42.209	718180
6.67E-05	100.58	10228000
0.049534	86.113	738610
0.033018	59.306	0
1.33E-17	176.6	533790000
0.00025161	84.653	7673200
0.0041127	72.2	1093400
0.028902	72.789	215160
0.054808	70.525	1429900
1.86E-07	120.9	13658000
9.30E-05	96.464	2175100
0.0059134	62.799	3498000
1.22E-10	118.16	61097000
1.07E-11	95.794	44167000
0.00017553	90.714	13170000
6.68E-06	129.95	12315000
7.26E-05	114.01	3303100
9.35E-09	138.21	13457000
5.34E-13	130.49	2087700
0.0061492	65.395	3486900

0.054761	40.547	1119700
0.00028185	82.259	28109000
1.16E-12	151.98	7549800
8.39E-44	164.96	33725000
1.01E-06	72.881	15047000
0.012795	62.891	98683
0.0041092	69.451	1121300
0.0014731	73.91	613020
2.95E-06	128.82	12722000
0.0019458	44.369	4990000
0.0046328	62.14	1119500
8.35E-05	116.79	8304700
0.015629	55.291	2673200
0.026986	40.137	563480
1.06E-06	86.18	5606500
2.52E-05	95.209	2233600
8.53E-05	97.417	1131800
0.0012861	60.669	2209600
2.17E-05	67.11	3181100
0.00062289	61.181	1275400
1.11E-05	121.83	7225400
0.0052452	55.267	762550
0.00039779	73.953	2246700
0.0020976	77.062	760720
0.0076772	53.519	2680600
6.94E-11	115.99	1889400
5.22E-07	148.52	21424000
0.00095135	61.167	1165000
0.014615	52.101	1326500
0.027364	51.528	97171
0.0012521	70.889	661230
1.35E-07	136.3	11820000
0.047587	50.088	261850
0.0057097	56.793	2882300
1.51E-06	125.51	10063000
4.68E-10	137.85	23944000
5.13E-07	128.38	23147000
5.53E-70	203.06	9696100
0.01101	42.941	4365300
0.021186	82.494	223270
2.57E-05	98.804	4621000
0.0079818	55.011	1144000
0.0036627	72.152	4142600
8.83E-12	94.837	4552200
0.012364	46.543	3700400
0.0064945	53.995	101920
0.026236	52.167	3505500
0.0018987	59.345	22046000
0.00019487	87.356	9047900
3.50E-10	85.595	5359900

0.00037067	111.86	3074800
0.0085716	63.426	222810
0.030963	65.347	573420
0.00041099	75.548	4019600
0.0030828	59.606	2123100
0.0038614	73.499	1847300
0.00024884	84.874	2757200
1.18E-13	158.01	9678800
3.32E-11	120.23	37515000
2.56E-13	133.21	13706000
4.80E-05	106.67	2576900
4.83E-14	154.07	9340300
0.0025647	65.805	598500
0.038745	56.793	0
0.00065731	92.925	7555100
0.0035872	70.488	2115700
0.011274	76.228	991300
0.019742	50.207	1825500
0.00030158	80.859	2631200
0.030736	42.382	338130
1.99E-35	161.51	8603300
0.0025357	82.349	0
0.0018586	64.407	6930300
0.00023745	81.574	22368000
0.021157	59.265	1879700
0.0001209	100.38	37321000
5.43E-05	62.663	24968000
1.91E-14	150.39	3544700
2.38E-21	151.2	425440000
5.49E-92	214.05	1356300000
0.011915	66.538	3839500
1.45E-05	128.96	1338400
0.017989	74.92	3074100
0.012525	43.523	852110
5.09E-32	180.78	16844000
3.47E-302	318.47	3842700000
3.49E-21	153.36	14572000
5.74E-16	141.74	76264000
1.59E-06	135.02	7692700
9.69E-25	159.01	2016000
0.0001962	88.637	1542600
1.69E-05	112.84	13377000
0.019951	72.607	1354900
0.00026026	83.964	622440
0.00073555	74.793	1558200
0.04442	72.096	0
0.0019056	62.377	6457100
0.00036266	69.255	9694300
0.0057621	57.52	999180
0.026293	47.204	420280

7.87E-05	95.662	4182800
0.0059561	59.796	850210
0.0059184	68.355	3383100
0.010995	62.035	3076700
0.0001722	70.994	1067100
0.015823	58.592	3374600
0.0070574	58.817	154540
3.30E-06	134.4	13516000
0.017551	47.088	5653900
0.0074712	72.891	2092400
0.0004126	97.779	7884600
3.15E-05	105.39	5538700
6.78E-05	99.392	15073000
2.07E-07	90.397	25900000
0.0022198	91.867	829530
0.00020655	76.693	9436900
0.016331	63.565	1023900
0.037785	40.693	2876400
0.00028837	84.195	5754800
0.0076624	68.626	3192000
0.016742	87.001	0
0.050673	40.725	1208500
0.014798	51.939	843540
0.0020937	60.158	3007400
0.00020426	112.84	44743000
3.53E-27	189.17	146900000
0.0021459	95.591	0
7.74E-05	108.35	1730300
0.0025878	78.902	1349500
0.0070178	45.901	4297000
0.00023754	106.79	6184800
2.23E-05	117.25	10436000
0.026488	52.725	2888000
0.00041108	78.326	4502600
1.12E-83	235.49	320990000
0.00056438	89.353	615050000
5.75E-08	85.849	250590000
0.0012293	54.521	1846300
0.00015712	86.357	2349300
5.32E-19	163.71	48296000
1.90E-10	118.21	7034300
0.00019227	78.067	2189200
0.0017432	86.463	848010
0.0099785	77.662	1790200
0.022659	68.224	4479900
0.011195	68.847	0
0.00010491	96.247	39461000
9.22E-05	114.69	1089600
0.0032196	59.862	952150
0.00021804	89.136	1497200

0.00025003	106.29	8861200
7.01E-05	110.32	8857800
0.00048365	77.726	795160
4.50E-05	106.6	5237000
5.09E-06	132.08	7524900
9.30E-05	96.464	3746800
0.00033911	101.39	1604600
1.00E-26	171.99	3235900
2.44E-05	99.092	6019200
0.00041731	72.187	9346500
1.25E-46	158.75	27782000
2.69E-22	153.14	25654000
9.51E-20	161.76	24499000
1.57E-12	164.97	36970000
4.53E-99	232.37	13855000
0.00085001	68.243	6095700
7.86E-40	186.16	7188300
1.38E-19	129.42	23003000
0.044688	55.291	0
0.039137	68.383	252550
1.65E-13	154.1	5817000
1.06E-06	111.65	7790400
0.0016491	67.326	1283700
2.67E-20	152	5386300
1.81E-06	71.696	6392800
5.99E-05	115.33	65908000
0.039502	41.743	9090000
0.0016733	69.258	4363900
0.0027226	102.51	3897700
0.0028617	74.76	1347300
4.25E-13	156.48	64618000
2.76E-09	135.38	6400000
7.51E-07	82.139	13337000
0.0045943	52.19	2305300
6.67E-24	143.89	100780000
4.85E-10	100.7	413410000
2.82E-12	107.47	30126000
0.00054662	51.16	2931400
9.03E-46	169.91	139050000
7.10E-06	121.26	6994400
4.39E-05	104.44	4155600
1.87E-07	124.1	0
0.00039852	105.98	8608200
0.03552	69.628	2556300
0.0051332	76.358	0
0.0014236	61.477	1334100
0.00018307	89.011	2057000
0.002325	45.836	2430700
0.0019241	64.507	1422600
3.25E-05	118.66	3773300

6.00E-17	146.89	47391000
8.27E-07	114.56	7379300
0.0061885	51.606	1890300
4.70E-06	80.031	3887000
0.0017349	60.062	3874000
0.029624	59.84	1536900
2.22E-05	111.79	14977000
0.00025775	85.087	5057800
0.0054232	69.275	1772900
0.00075822	77.42	1140800
0.0001251	97.797	4499500
0.010509	53.946	1648000
0	331.39	16309000000
0.00047115	90.348	1188400000
0.02906	48.981	487530
2.94E-06	132.03	6268700
0.0042173	67.879	741930
3.20E-63	203.52	38492000
4.47E-52	196.65	469910000
0	380.38	13814000000
9.95E-13	135.68	29502000
2.03E-28	162.83	48233000
0.00052039	70.96	1876300
0.0039452	55.437	3304800
2.06E-08	105.46	17063000
1.86E-19	131.26	7573100
0.027315	61.815	0
0.017477	45.704	835090
0.0069848	119.41	14050000
0.00010159	98	4103100
8.55E-05	92.993	13913000
0.00075884	76.768	3426400
2.09E-16	125.31	23260000
1.44E-09	139.46	12202000
0.0075314	51.819	2426400
1.71E-07	72.231	20970000
0.032181	54.982	1616100
1.61E-06	130.44	14855000
7.81E-07	134.84	272040000
1.03E-05	118.84	11296000
0.033284	43.03	136280
0.00091777	73.675	2470300
0.011403	65.365	0
2.36E-12	99.838	4827900
1.39E-20	123.54	13341000
0.0001279	110.64	11982000
9.73E-148	267.37	431620000
3.19E-89	230.67	74946000
0.020291	72.547	637180
1.13E-12	149.41	20305000

0.0010752	76.588	2637200
4.12E-64	212.43	24518000
0.0032704	74.392	815230
4.04E-05	68.361	137920
0.00012458	94.007	5100100
2.88E-07	117.84	3847400
0.0020178	47.803	1251200
0.013602	53.001	672240
0.00022817	93.029	44777000
1.05E-29	172.6	666010000
0.00032693	73.597	2592500
0.0003365	71.527	8200800
0.043902	43.604	158540
8.34E-06	134.61	25748000
2.26E-22	138	31773000
0.0066259	52.045	907370
8.03E-05	99.055	2113300
0.00064128	99.815	6965100
0.0053322	93.442	7067800
6.55E-11	89.968	2114400
5.52E-05	87.319	11091000
3.37E-22	138.24	14874000
2.90E-05	123.63	9747200
0.00037603	75.574	3518300
0.00028954	81.713	2057300
0.00045991	76.158	2016600
0.00028715	76.533	2528800
3.05E-06	94.449	998310
7.42E-06	124.81	5914100
0.00010583	85.737	315150
2.21E-05	104.41	18943000
3.07E-05	100.07	66206000
0.032698	44.595	1525700
2.47E-05	100.97	171440000
0.0040071	98.048	1683500
0.00063813	91.518	10687000
4.14E-05	95.206	3343300
5.82E-08	124.69	36690000
0.00018425	89.663	2728700
0.029229	60.968	0
3.44E-39	183	15728000
0.0020444	63.894	4103900
1.13E-23	141	83753000
0.022856	56.527	758250
0.00072169	56.631	3115200
0.0098329	67.334	7370100
0.0023515	75.652	36126000
0.0033658	51.348	3828600
6.95E-07	78.317	69346000
0.00033633	79.514	1485400

0.00052505	64.843	8181500
9.66E-40	189.37	5182800
0.00023961	73.127	2796900
0.0037868	73.885	9509600
0.00016002	72.676	909440
7.30E-20	163.62	202680000
0.013438	51.03	408590
2.08E-20	159.31	14240000
0.0012709	86.357	0
0.0013718	67.326	2338000
6.01E-30	176.17	61153000
0.0029096	53.589	1521600
0.0026307	66.393	1216800
1.64E-98	241.13	133550000
3.58E-05	118.71	11156000
5.52E-66	218.94	519660000
0.013602	53.001	6518700
0.003445	54.668	3802900
0.0071527	99.215	798290
0.0074804	89.029	265930
0.0039689	81.95	5788500
0.0022471	50.536	3029300
0.0077413	55.782	660230
0.015416	46.461	232410
0.032872	47.894	667410
0.043571	63.376	0
0.0096926	61.344	1042600
0.00021434	90.476	6554700
0.032	42.647	209080
0.0004594	95.477	2716000
0.00010615	126.03	14622000
4.10E-05	102.84	2551900
8.16E-06	128.35	7713700
0.029607	62.823	551090
0.035899	59.294	0
3.36E-05	114.86	904800
0.0048996	67.879	2561000
4.06E-06	129.84	4520700
0.011434	62.528	465660
0.00087879	86.548	1549600
0.0073285	53.981	439640
0.0052341	67.214	5000200
0.0031498	68.893	224780
0.0001242	118.9	9483900
0.053702	49.188	3234900
0.00649	81.525	51114000
7.09E-05	122.52	27788000
0.0031008	69.261	2470100
1.35E-06	129.88	33390000
6.64E-13	153.38	30919000

2.07E-30	183.67	2458200
4.84E-14	151.8	2391100
5.23E-05	79.762	2784100
0.021363	49.31	570600
0.0021911	63.145	760920
9.92E-07	112.53	3975300
0.00062295	81.278	6137100
5.31E-05	121.42	10127000
1.27E-05	67.778	4773900
2.39E-05	115.71	12811000
1.32E-06	133.86	54006000
0.0099979	73.758	0
6.04E-14	151.11	21203000
4.91E-79	220.69	63861000
0.0064882	55.094	4611600
0.00051625	70.615	3574500
1.06E-10	120.75	26190000
0.00040101	86.772	407690
0.0010531	72.417	7054500
1.83E-20	165.51	52444000
1.79E-08	100.28	13654000
0.016657	50.286	318260
0.00013361	96.756	2273200
3.91E-54	174.98	314680000
2.17E-07	75.193	13506000
5.58E-09	109.41	12400000
0.015991	49.216	3115500
0.023	62.813	0
0.036676	57.802	0
0.00074155	67.685	3295000
0.012401	49.036	1650700
0.019135	52.693	190980
1.55E-05	77.03	0
0.0013726	88.441	3918600
0.0032197	73.781	759750
1.08E-24	164.56	98620000
0.00088856	66.76	3184100
9.89E-05	98.312	14121000
2.51E-06	130.06	103330000
0.0021907	84.62	0
6.53E-05	110.55	5580700
0.011016	59.931	4649100
1.98E-05	123.76	184890000
7.17E-05	99.392	10262000
6.97E-05	101.39	2017600
0.0255	41.386	4778900
0.0030534	77.677	728280
0.0017662	78.903	12247000
0.011264	78.488	0
0.0069866	115.49	1129000

0.0002578	91.307	1566700
0.00099803	108.31	11198000
0.00026718	63.726	2858200
0.015628	66.797	0
0.00037651	60.036	1101300
0.040061	51.03	206600
1.09E-16	140.59	19265000
1.56E-08	106.63	82322000
8.60E-06	68.705	5054700
0.010509	53.946	747220
2.89E-25	169.25	17637000
0.0015945	91.657	0
7.32E-08	152.11	3322500
4.88E-14	155.86	19464000
0.016363	48.405	1143300
0.0092766	55.173	1451600
0.046283	67.749	0
6.93E-08	78.286	7969700
0.00013942	95.57	317670
0.010823	92.051	52033000
0.00024978	120.87	1362600
1.74E-12	164.46	95105000
0.011582	81.525	2647100
0.0021235	86.014	101550
0.00018764	96.103	19526000
0.0045444	78.342	749790
1.40E-10	116.94	86329000
8.31E-05	88.765	2295800
1.45E-14	158.58	11136000
0.0035026	99.802	11815000
0.02794	49.3	904230
0.041038	61.353	2158700
0.00051	81.632	1155800
0.0008037	97.965	757490
1.41E-05	112.91	27086000
0.0014948	63.392	1400300
8.44E-38	174.23	4243300
0.00021956	59.636	17846000
0.014876	87.476	159420
4.56E-11	119.52	19843000
4.78E-06	131.08	28896000
0.0013863	72.175	3026600
0.0068179	75.479	1153400
0.0028168	77.894	1118500
0.001043	94.801	8301400
0.0044891	75.669	888740
0.0058335	66.023	4698800
2.75E-05	98.391	4871500
0.00018538	89.261	1143200
0.00029069	69.088	3930500

0.001577	88.596	509380
0.0058451	75.652	1681800
0.0094702	53.328	280580
0.00094926	86.641	2746000
0.0036198	68.069	745230
0.0021324	80.905	1783300
0.023699	60.436	685640
2.43E-08	97.542	24072000
0.0090483	58.781	2545100
0.011686	61.679	698700
0.00016166	91.592	12158000
1.22E-23	140.41	6830400
0.009987	83.647	12947000
7.00E-06	128.95	3675600
0.019057	50.222	8570700
3.77E-06	115.37	8067200
6.83E-126	252.37	22272000
1.46E-08	137.09	6848100
1.31E-05	110.26	22580000
0.0004769	94.616	51555000
2.10E-07	136.81	14750000
1.73E-05	121.83	2998600
3.42E-05	122.97	1450900
3.21E-05	125.5	9781500
5.51E-28	173.28	31074000
0.0020419	98.048	472790
0.0041725	80.688	1849400
0.0031288	66.708	5330600
0.0084924	65.5	12262000
0.0058396	58.595	4250400
0.035463	51.727	17474000
0.028183	41.45	1688300
0.045071	67.749	0
0.00032025	119.25	32764000
1.57E-05	92.289	5355800
0.018827	60.436	9022800
0.00012601	61.703	1141400
9.28E-38	189.24	135420000
0.00075651	101.42	0
0.00019567	87.323	118980000
0.0010297	72.815	798090
0.00022438	107.06	302670
9.19E-06	70.569	1124900
0.049628	47.198	395690
0.0097632	61.213	547900
0.00028988	69.152	2054700
0.0047848	53.96	2556500
0.00014711	82.406	18218000
0.00024019	85.563	5132200
0.0051874	62.357	427040

0.00033141	110.66	3524400
0.0035812	86.014	749260
7.35E-05	98.337	5867000
4.10E-05	83.115	11295000
8.20E-05	120.45	10621000
0.00027961	132.08	5855000
0.0026116	58.427	363270
5.56E-05	120.29	3790100
4.52E-05	121.45	6688400
1.52E-111	213.05	4150300000
0.0054232	69.275	4927300
0.0028512	54.672	7232400
8.14E-18	132.86	311210000
1.11E-14	118.08	33137000
3.16E-29	139.75	25499000
6.42E-05	118.23	8580000
0.001534	118.28	2408800
0.00018618	89.866	1947100
0.00014274	84.166	2915200
6.76E-06	102.07	6209800
0.00011769	90.581	9733400
3.09E-08	95.996	14511000
0.0028468	88.177	2153500
0.00034156	78.021	13246000
0.0078743	56.569	375280
0.042774	76.774	14324000
0.051166	71.501	399280
1.92E-13	148.89	17419000
0.010479	55.776	889090
0.051625	71.342	2695700
0.01195	72.289	0
0.0097299	47.732	1996600
3.34E-11	162.51	72732000
8.93E-08	75.868	5499500
0.021033	51.286	1478800
0.019839	80.746	0
0.0053468	83.647	1189500
3.62E-38	172.77	30262000
4.42E-05	70.525	4774300
0.005543	54.805	896050
6.46E-37	160.64	53014000
0.00058061	56.533	4630100
0.00076778	69.594	1315700
0.023081	47.037	500150
3.82E-05	66.98	1832800
0.028062	48.188	500860
5.13E-09	130.47	232770000
9.15E-17	141.79	20647000
1.40E-20	163.9	5276500
0.0004298	71.148	1759600

1.76E-06	134.3	37097000
0.0047203	59.709	1021500
0.00034186	79.013	2402900
3.84E-52	198.74	192100000
0.00066332	82.01	20472000
0.0030425	60.918	2992600
0.0001705	91.207	10520000
0.00078123	78.326	2019400
2.06E-20	167.92	18377000
0.0047851	50.858	5392000
0.0064412	83.692	0
0.00024375	86.777	9489300
0.0067384	64.224	4345000
0.003458	68.44	185610
0.0019389	86.882	1308500
7.42E-05	98.572	6091600
0.00060209	81.494	10364000
0.00022598	89.992	7717800
2.08E-11	153.75	5865200
0.00035615	78.021	11954000
8.44E-07	135.86	12778000
0.019412	51.348	464470
0.00066528	91.937	5875100
0.00073853	77.754	381170
0.0073902	61.48	16658000
0.0003954	79.022	1626300
0.0044384	50.493	3854100
1.75E-05	119.65	38984000
0.00030015	76.574	8061100
0.0023832	62.165	2565900
0.021158	91.041	257460
1.10E-83	206.33	560770000
0.00028516	107.61	0
0.00028954	83.253	904620
0.0056918	68.978	3680400
0.0070157	52.52	196780
0.0022507	114.89	5299100
0.021401	80.219	188700
0.00022379	87.932	4392600
0.00023901	95.197	10994000
9.54E-05	98.552	98682000
0.00043997	84.734	1464800
0.0001743	109.29	5271800
0.002667	73.9	1344600
8.42E-09	102.45	4349000
0.015314	77.677	14562000
3.47E-06	74.763	24637000
2.78E-18	131.5	20297000
6.27E-05	110.08	13864000
8.93E-09	137.62	19342000

9.16E-05	113.63	3125400
0.018515	83.206	471210
0.046673	43.958	828040
0.00018661	74.505	6371100
0.035834	41.53	239500
0.0058373	57.267	1177000
0.0024677	80.706	1776000
0.0067285	58.111	0
2.33E-07	80.166	18215000
6.15E-13	133.68	15446000
0.00025196	92.307	3934600
9.76E-05	95.554	32021000
0.0013542	65.808	1483500
0.00039119	93.839	109840000
0.0020953	69.846	643860
0.014765	54.198	91497
0.016734	87.308	0
1.08E-15	121.62	15593000
0.0014521	53.496	807410
1.62E-07	79.586	4221500
0.00021982	77.576	11135000
0.00064993	51.53	6257900
0.0083273	87.308	1082600
0.0011198	93.821	11941000
0.0069196	63.864	2396500
0.015138	61.03	837220
0.030082	44.005	751730
4.10E-05	101.45	8626600
0.0012272	57.694	985470
1.21E-13	135.62	1702000
0.00020614	76.733	1510300
0.0095003	54.951	1130500
0.00031081	75.239	8122000
0.00018875	90.412	3117400
0.0015803	65.107	185470
0.042986	42.976	960250
9.09E-206	290.1	163460000
0.00075307	110.73	2020400
0.0013727	65.652	7801000
0.00042446	85.973	2445800
0.00034937	68.134	4679400
0.048235	43.512	271560
0.004194	63.473	459670
0.025894	47.037	4678100
0.029515	40.396	672150
3.09E-15	115.55	5222600
0.017503	50.232	1798600
0.00031431	74.776	23637000
0.029142	46.069	431700
0.00010571	101.35	223880

0.00011119	96.805	2606000
0.0002163	65.854	1954200
0.0085658	54.023	609460
0.0019007	92.952	0
8.62E-05	99.566	9542600
0.030533	43.861	3154700
1.66E-16	144.82	8804100
2.03E-09	142.4	3089900
8.82E-18	154.56	37263000
3.52E-07	90.836	22047000
0.032051	41.912	469130
0.0081519	66.056	10791000
0.015531	40.396	4770700
0.0016866	64.52	938810
0.00014881	91.371	3864400
0.00069341	77.08	36346000
0.00029485	77.357	415860000
0.00021725	88.311	9861800
0.0009242	81.356	1391600
0.0028776	72.731	223520
0.018562	51.927	250420
0.031827	49.3	1792400
3.93E-13	132.24	25694000
0.0035565	56.709	0
0.00016164	97.45	20921000
1.01E-27	176.43	357260000
0.0053839	50.237	656500
0.0012721	91.265	1332500
3.58E-20	150.69	2479100
0.0011011	83.045	574550
8.95E-06	131.42	5664000
0.0011465	62.468	3676900
0.03148	44.457	1015600
8.64E-05	113.65	39220000
0.0061149	55.589	2784800
0.00049167	75.764	14300000
0.026401	97.068	985840
0.039137	68.383	3237200
0.00025776	87.18	1932500
5.80E-05	131.83	25063000
0.0074086	54.7	2820100
0.0024742	90.37	1654800
0.049534	86.113	308760
0.013681	49.265	1498300
0.027351	86.953	13219000
1.48E-61	196.3	8806700
0.027144	87.323	1322300
0.0038789	88.681	2897000
0.010448	63.816	1611400
0.011623	70.089	652960

0.00045272	78.932	4497200
0.017953	53.569	173110
0.004211	78.908	739320
3.38E-25	126.86	45487000
0.014188	56.359	467410
0.050851	71.715	100260
4.87E-05	139.43	18542000
0.00058963	74.993	7092700
0.044973	55.261	0
0.054902	97.64	1150300
5.87E-07	133.96	9240100
0.0013489	71.176	1251100
0.0085059	51.819	2494300
0.041178	70.977	0
1.58E-40	183.75	19581000
0.0037622	61.167	2156500
0.0028096	59.579	6979800
0.00018853	122.39	5178000
0.00035283	78.021	1475000
0.00035843	85.837	2002400
7.69E-86	219.95	4206200000
0.0011588	51.398	597800
0.00030482	83.243	6681400
1.07E-44	172.98	33689000
0.027363	57.106	743080
0.0027392	73.499	9202100
0.00057918	78.505	1158200
0.00023886	63.225	2251300
0.0049878	67.704	16125000
9.78E-05	92.492	4236600
0.0016427	65.943	2612300
0.00043105	83.499	2840500
4.70E-05	101.72	3285800
2.51E-05	104.41	30032000
4.41E-05	89.392	8749700
0.00014389	75.064	8766700
6.82E-05	118.71	72947000
0.00025922	66.871	2969300
0.0015245	80.245	4692300
2.72E-05	128.21	1843000
0.033067	44.252	5511700
9.38E-05	86.707	7536700
0.0061792	86.882	0
0.00024475	84.208	1066500
1.57E-22	145.73	20735000
0.0057112	43.306	3122100
0.00010218	103.43	9180900
0.017434	47.113	4019200
2.52E-07	121.51	12905000
4.93E-06	72.676	4448800

0.00045645	76.311	4644600
0.00969	51.888	2853200
0.028225	44.601	543360
1.68E-05	127.71	26014000
0.00031522	74.772	7063400
0.0012536	76.326	5671000
0.011156	47.088	2489700
0.0060175	84.507	0
0.013181	49.223	2229900
0.0029572	72.289	167160000
0.016363	50.108	4187700
6.69E-07	108.14	12089000
0.00038891	54.465	5069300
0.0024047	57.045	1186800
0.00070745	64.83	6450400
2.32E-05	135.86	5260400
0.011052	59.908	398190
0.0021609	85.731	407520
0.00086617	75.589	1514700
7.60E-07	126.12	8882100
0.00071994	74.966	4805900
0.0078045	110.63	733610
0.00082132	70.134	2639700
0.0023916	82.831	1907300
0.0059623	67.214	411590
2.16E-08	140.39	18225000
2.77E-46	158.33	21271000
0.00018928	110.97	25435000
4.68E-11	104.33	3580200
1.90E-08	98.002	7686800
0.0012059	100.25	24572000
3.73E-16	122.39	39819000
0.0021567	67.115	3546600
6.96E-20	161.49	51906000
0.0077712	53.395	71296
0.00013011	110.84	3351500
8.43E-20	162.68	44704000
0.015081	48.196	18849000
0.00023259	95.57	7259600
0.0002615	118.87	94379000
0.0023523	91.087	63002000
1.81E-20	147.56	8330100
0.019281	47	2311400
0.019344	52.527	1145200
0.0002279	88.706	20171000
0.010757	75.088	0
3.58E-30	171.78	12171000
0.0267	46.797	1380500
8.92E-08	146.71	26000000
0.00054447	80.488	2505600

6.73E-05	105.13	4977700
0.0065515	55.011	383560
0.0015783	81.017	507040
0.00030692	104.82	700020
0.0001188	82.367	2380200
0.0011678	93.258	1065600
1.45E-21	149.93	671520000
0.0077197	58.824	105230
2.41E-08	143	16624000
5.77E-20	168.82	14873000
0.030957	48.44	3688300
0.013705	63.283	489290
0.014188	56.359	2947600
1.09E-28	166.34	21379000
3.06E-08	137.16	4927000
0.00099085	74.475	3266400
7.69E-05	119.27	48697000
0.00012036	94.487	20495000
0.01031	77.746	0
0.001156	88.73	3024400
8.14E-09	146.36	56237000
0.00027392	105.63	10103000
0.00055255	54.306	5319000
1.58E-20	122.78	203040000
0.00068831	47.195	9290700
1.59E-62	203.61	52380000
7.09E-05	110.84	2925200
0.0010424	90.685	316730
0.00032345	111.31	11234000
0.0038196	82.452	906290
6.93E-05	74.579	15711000
0.00020176	83.905	4161600
2.02E-08	147.12	1754400
4.50E-103	224.24	91299000
0.00053565	77.726	3480000
1.36E-05	101	12498000
0.0034522	84.615	678880
0.010739	79.07	657860
0.015322	57.149	804210
0.00016997	88.872	4398700
0.048746	65.189	0
0.00042976	77.1	3355200
0.00036232	86.832	4933300
1.03E-05	122.7	9297100
0.0025261	82.774	24753000
0.00050651	79.92	9469500
4.68E-05	105.39	547930
0.012193	54.023	530240
0.00029533	75.703	1741800
1.20E-05	121.21	2941500

1.91E-114	239.19	204270000
1.13E-05	131.61	9319200
0.013377	51.092	724770
0.00046663	83.751	6058300
0.0013762	73.466	86758000
1.63E-11	153.39	77832000
4.94E-05	94.958	13107000
0.0015603	71.558	2671100
6.66E-05	114.87	1295200
0.0071937	54.964	7527500
0.017531	55.721	2768800
0.013401	55.291	757250
0.037601	72.243	0
4.32E-08	137.95	23297000
2.35E-05	114.7	8522700
0.01196	81.709	0
0.0002477	116.96	4647800
0.00032045	82.349	2889200
0.044064	41.621	2428800
9.25E-09	142.91	2455200
0.0041936	61.648	2638700
0.019561	60.398	3612900
0.034551	44.457	990710
0.0037399	69.716	3175300
0.00033564	78.441	1836200
1.28E-05	67.832	1136400
0.0032528	71.153	1110700
9.60E-06	119.37	8996700
0.011579	49.559	1747500
0.0033801	107.21	3173300
0.00047997	94.465	7705900
0.032257	40.941	870170
0.0003412	79.635	7589500
4.71E-09	139.66	42733000
0.0010136	70.167	4827800
0.00027384	84.107	19250000
0.0013074	90.906	3197600
0.010113	79.07	0
0.0075914	62.528	2349500
1.02E-05	108.97	28339000
2.22E-06	127.56	39919000
0.0098819	63.128	1798800
0.00011383	99.796	18463000
0.0028776	72.731	7385000
0.0004032	73.464	1300200
0.013623	58.246	3352700
0.02167	58.712	3480200
1.80E-58	203.61	100610000
6.55E-10	148.52	19909000
0.028953	76.478	1658500

0.0095917	52.009	1451500
3.59E-05	103.5	6512000
0.00062666	81.239	12592000
0.00015557	98.156	2467700
9.39E-08	92.428	30635000
1.59E-08	139.19	6563800
7.48E-05	129.88	5087600
6.34E-05	105.13	8829900
0.048909	86.086	1187100
0.0066304	64.439	3955200
3.94E-38	186.29	12349000
0.0063366	50.87	7521000
1.06E-06	136.81	31563000
0.00064358	90.913	620470
0.0042333	52.866	1049100
0.01419	48.288	4045600
1.69E-12	101.08	3608300
0.00051472	78.326	1013600
1.35E-08	152.62	7677700
6.31E-05	101.01	3160000
0.00086106	114.89	1434600
0.00021648	65.833	8447900
1.09E-05	71.634	9329500
0.00056413	98.281	4716500
0.0059834	71.692	234420
0.0054856	74.165	1499000
5.26E-19	159.58	7895500
2.62E-05	61.801	7783100
0.0001896	89.911	49848000
0.004789	55.975	507200
0.0068658	66.595	3337600
9.72E-05	96.059	8972000
1.45E-38	178.84	2354800
2.44E-09	145.49	27224000
0.0026884	73.781	1094600
0.0067347	54.768	3785000
3.17E-05	62.605	12452000
0.005679	41.247	2228400
1.33E-07	137.89	6412100
5.26E-09	109.75	20498000
0.0039719	72.928	7530300
0.0025163	80.455	7460800
9.99E-14	153.75	7215200
0.011442	74.237	0
1.11E-05	105.2	3738400
0.02741	69.198	1209300
0.024366	77.282	6039800
0.05215	41.218	1865900
0.010319	64.04	337990
6.29E-09	114.53	7420600

0.017088	68.557	4998000
1.18E-05	104.41	13448000
0.0036511	67.997	2096500
0.001591	90.05	2391200
0.0095532	54.898	2362500
0.0013919	104.42	42748000
0.048568	73.26	1375800
0.0010897	68.751	2441600
0.0027691	54.764	2704000
2.30E-06	130.66	44673000
0.03426	64.04	857700
3.01E-09	139.65	70365000
0.001016	84.507	2525700
0.0009943	73.415	817800
0.00035633	86.488	4241700
0.034046	47.559	748960
3.73E-104	229.22	43242000
0.045147	41.41	6141700
0.045935	44.639	249790
3.09E-12	137.85	4195800
0.011215	70.134	0
1.02E-08	112.58	26959000
1.16E-05	147.34	14673000
0.032355	83.801	255340
3.71E-05	103.11	14191000
0.024787	45.084	343980
0.012319	50.108	871410
0.00055916	100.88	9231600
2.76E-05	94.281	1850100
7.12E-05	143.37	165760000
0.0019726	72.652	718760
7.01E-05	118.47	28713000
0.0025664	86.44	0
4.26E-05	111.73	4915800
1.82E-05	68.657	6221800
3.98E-16	140.27	22762000
0.022691	68.626	368300
0.023406	44.998	5238800
0.033456	40.614	1224800
0.00017105	109.42	9043600
0.01251	83.617	0
0.022081	64.104	0
0.0065287	83.045	2645700
0.014983	54.023	530100
0.00045486	104.05	69382000
0.00048361	103.55	5289900
6.63E-06	130.01	67727000
6.13E-05	95.954	2540800
0.0030617	95.417	0
0.00036169	98.902	7807400

3.55E-05	115.24	6457600
0.00082036	64.249	6279400
0.037401	44.612	171790
0.0057729	68.626	2044100
7.88E-34	134.63	103010000
4.29E-26	122.89	4626900
5.09E-15	150.59	12403000
0.0090104	66.299	1317400
0.015481	55.401	1120800
5.65E-15	163.64	12631000
8.72E-06	126.07	5355700
1.28E-95	225.13	50409000
0.0063818	62.732	1961200
3.99E-05	101.56	5578100
0.00024068	59.429	1454400
0.0072204	80.755	897830
0.0056835	59.728	3619900
0.0015507	80.318	2430800
0.0092066	80.871	0
0.00022379	87.932	24972000
6.30E-07	117.3	9919500
0.0083894	87.181	3783900
0.011017	65.157	729710
7.08E-06	98.376	12841000
7.75E-09	127.07	5615000
0.0053304	59.75	1119500
4.01E-22	156.51	80583000
1.91E-10	142.94	59226000
0.00014611	92.269	27683000
0.0033502	76.143	731200
0.050084	72.234	1179800
0.00038664	78.088	8005900
0.0010141	94.297	4738400
0.03463	77.379	1524800
0.00026719	70.959	889340
0.00025114	80.361	1597900
0.00023839	58.398	2148300
1.87E-05	100.39	4758600
1.87E-07	77.939	5314100
0.028712	47.242	777150
0.00095077	79.492	884200
0.004819	84.605	0
0.00076229	67.418	887350
4.65E-11	159.58	737000000
0.0025542	82.749	8177000
7.47E-05	129.89	14139000
0.00096717	72.443	762210
0.00072431	69.188	605950
0.037255	42.682	1771300
0.00035	83.53	1646500

0.013062	70.412	0
0.045035	44.425	93924
0.0083273	87.308	497100
0.02285	46.324	3036300
0.00026026	83.964	3277100
0.0024356	63.709	2776700
1.79E-48	187.5	112610000
0.0026778	55.128	945190
0.005484	74.173	2481900
1.55E-10	118.23	195730000
0.00070824	93.494	668460
2.86E-16	114.34	69014000
1.66E-07	121.48	2845400
0.0005798	96.89	381290
1.22E-06	106.28	8932100
0.010741	48.883	376250
4.61E-16	115.55	12294000
1.72E-10	102.73	54069000
0.0048775	65.179	3197100
0.0034261	65.805	3662500
3.53E-29	162.83	57508000
1.18E-05	94.384	3893100
0.0015175	67.93	3206300
2.53E-05	112.17	0
0.048991	43.297	772230
0.026402	56.81	3109800
0.019052	82.279	1650900
7.90E-07	115.02	28289000
0.051177	40.577	180750
3.03E-05	91.276	5779500
3.88E-05	124.67	8737000
0.00028483	89.507	1262700
0.020155	46.159	698660
5.99E-11	105.24	2709600
0.0024258	63.754	1265100
4.06E-38	185.95	113040000
0.00037549	75.97	1869000
1.41E-10	120.32	6674700
0.0041813	59.884	667710
6.47E-06	127.32	10583000
9.42E-19	135.86	47818000
0.023794	49.423	1487900
0.008963	62.469	1924100
0.0020229	89.668	0
0.013443	55.258	1827600
9.86E-28	179.6	50372000
1.88E-06	131.82	8892900
0.041935	55.899	0
0.03405	47.047	0
0.012365	56.122	1174000

0.00014518	74.873	9839700
0.038849	45.083	872600
6.25E-05	98.227	5456500
2.19E-05	119.88	1236400
3.89E-05	102.63	77755000
2.89E-05	98.077	652530
0.0018183	61.495	1017100
0.0027841	79.07	1610600
0.017529	68.355	320820
0.00013434	93.152	980980
0.0011186	79.283	8236800
0.011296	51.265	1470200
0.00080857	130.75	7802100
0.042986	42.976	886400
5.35E-17	152.01	83499000
0.0071946	49.768	4482800
9.93E-05	98.182	108430000
0.0084651	63.624	1871500
0.00014221	112.64	4003300
3.38E-05	115.02	0
0.0089174	57.164	3253700
9.22E-07	134.18	5984200
0.01838	53.252	1634800
8.20E-06	96.633	8956900
0.0056626	56.851	1500900
1.21E-05	90.978	6137500
0.00013244	94.461	685500
1.27E-05	109.28	15276000
0.033566	63.184	508270
0.00038846	77.899	2682800
4.04E-10	152.54	54746000
0.00053505	78.228	13440000
0.0052083	77.726	0
0.001354	91.701	799850
0.00090823	96.143	4711800
2.28E-05	116.77	110880000
5.98E-40	192.12	173930000
6.22E-06	127.91	79947000
6.86E-21	169.37	744230000
0.0011644	52.326	15732000
6.46E-11	87.265	520570000
3.50E-10	88.045	60068000
0.0026742	50.945	11202000
1.07E-63	203.92	60233000
2.07E-50	194.32	399610000
3.05E-20	163.02	32352000
5.30E-50	198.48	200860000
0.00079182	76.85	6672600
0.024192	57.885	11214000
0.0022949	76.262	1247200

1.90E-81	214.54	38394000
0.00047801	115.12	9827300
0.00033264	101.71	6198100
2.12E-05	106.49	7860700
0.0021414	73.273	733470
0.0020686	53.342	958270
0.0039886	84.198	289410
2.74E-15	154.48	5602700
0.018025	122.98	3919000
0.027041	78.616	0
0.00046457	93.478	10189000
0.0052913	52.866	334490
0.012755	53.754	1770700
0.00014951	95.651	237600
0.00063467	74.89	1741800
0.0018609	54.672	599260
4.05E-05	106.76	2665500
0.014907	78.098	13829000
1.62E-05	66.545	1149300
3.22E-05	129	75876000
0.001377	72.315	8852700
1.53E-05	118.4	22649000
0.0035145	45.339	1848700
0.0005883	96.756	8005900
0.0060762	52.784	1127200
4.34E-05	112.36	709690
1.80E-08	88.829	6148400
0.0010806	83.397	3789100
0.013839	56.295	5064300
0.036662	44.829	231990
0.039158	43.454	6323100
0.0075118	61.235	763450
0.00011701	96.163	942630
0.00019709	119.34	11538000
0.00043654	72.883	7048500
0.00010367	109.99	0
0.014044	54.776	1539300
0.019853	41.136	2958100
0.00023807	86.222	1141600
0.00011958	96.247	2436700
6.74E-100	245.08	1374900000
6.04E-13	153.49	16165000
9.27E-20	165.89	115560000
2.19E-14	157.37	71399000
0.00040576	73.464	695510
0.0018914	48.759	1739400
2.15E-06	97.352	7533500
0.0010879	76.606	0
8.20E-07	134.82	5957000
0.00033898	81.526	11712000

1.17E-19	180.19	706650
0.019467	65.232	675150
2.51E-78	198.74	0
0.00031514	102.21	0
0.014081	52.576	731610
0.010389	89.08	599440
6.78E-07	116.6	10285000
3.79E-19	145.91	55111000
3.99E-38	167.84	8283400
4.35E-10	145.1	16471000
3.82E-20	166.64	15724000
0.00044282	79.317	2867800
7.00E-07	82.639	3169600
0.014908	51.841	610800
2.07E-07	123.42	16945000
3.33E-29	175.6	108150000
0.0089319	60.255	888440
5.65E-10	136.81	3356600
0.00040288	78.69	1533700
0.023527	49.5	70545
7.61E-07	105.91	3807600
6.59E-07	108.37	20396000
6.31E-11	116.92	3352300
0.00026278	57.694	2459700
0.014585	54.343	1110700
0.00024135	73.346	7915000
0.00025157	80.142	626750
0.00095077	79.492	22352000
0.044544	43.419	899730
7.54E-06	132.32	119570000
8.20E-52	194.12	11231000
1.65E-06	97.776	7476200
0.0020858	63.682	4402200
0.0040252	60.401	192540
0.00013333	92.264	12374000
0.010756	70.622	0
2.10E-28	160.38	0
0.0018538	86.898	1063700
0.0020444	63.894	644430
0.0096112	72.848	376650
3.02E-05	97.776	5839200
0.0057418	87.001	0
0.0083788	79.646	0
3.46E-09	138.39	15143000
1.13E-05	127.4	922120
2.95E-11	121.92	13175000
2.24E-28	153.6	48215000
0.0015589	65.225	879780
0.00013789	117.98	10043000
0.00254	107.24	0

0.00010187	105.46	59613000
0.00023514	106.88	9596500
0.0038863	67.456	1041500
1.27E-29	170.91	31093000
0.00013579	96.604	508120
0.003942	63.966	1228700
6.06E-14	149.99	7291300
0.0024827	61.657	997710
3.84E-06	120.03	2356500
0.018023	103.71	596290
0.001694	101.46	19865000
4.51E-13	112.86	76176000
1.38E-06	133.25	10224000
0.014677	78.334	1070000
0.0059437	84.687	0
8.30E-05	99.915	2687400
0.0017286	135.77	2475400
0.0014016	68.463	1102500
1.02E-05	102.33	2811200
0.012391	63.076	1567000
2.57E-06	129.85	917930
1.19E-08	127.91	11533000
0.0024677	80.706	2460400
0.010237	60.434	1098800
0.0049794	70.1	488680
7.46E-14	155.08	81839000
9.59E-05	99.941	3208900
0.0012084	89.507	1185200
0.001487	66.738	2724300
0.00011148	93.765	4756900
0.00030509	80.609	3751800
3.20E-15	157.37	23051000
0.00032062	73.138	2819000
0.00021437	96.067	3598100
0.00054101	54.441	4315900
0.00026844	80.859	3486300
0.0078743	56.569	1589200
0.00015562	86.44	1337800
1.22E-06	109.77	9909000
0.013958	66.621	12771000
0.050527	40.767	326990
0.014139	54.7	1528500
1.43E-06	71.425	10454000
0.014608	65.105	0
0.015692	47.752	473530
0.00028553	84.829	6091300
1.13E-05	127.42	11860000
0.00063071	55.634	1292800
1.22E-07	81.91	5159500
0.0019748	77.744	827470

6.50E-05	101.9	4950100
1.97E-09	158.08	4029500
0.0014359	80.737	9621400
0.0021844	82.171	1502100
1.49E-05	124.1	18454000
0.012001	56.414	970540
6.85E-14	151.99	87444000
0.0057097	56.793	1248500
0.0010375	72.681	2526700
0.0037176	63.709	3730400
0.00020643	120.53	6081400
1.88E-10	147.96	18023000
0.00064791	102.06	6567700
0.031978	56.011	349180
1.06E-05	128.03	2846700
2.52E-05	95.206	4103500
0.00048406	61.561	3842700
0.043152	46.462	1713900
0.00078886	104.01	2423700
0.0010587	67.645	770450
0.00048361	103.55	3859300
0.0019983	83.862	59270000
2.64E-09	138.98	17470000
7.87E-08	123.54	25394000
0.026754	52.579	2281400
1.58E-06	132.06	4803300
6.07E-05	109.83	4364700
1.14E-05	116.04	16597000
7.55E-101	219.3	121180000
0.0023891	61.409	3441000
0.054863	84.025	1501100
0.018917	50.024	1192600
0.01364	47.088	2873500
0.00013908	91.932	5502900
0.020995	46.92	2249300
4.93E-12	129.98	6279000
0.02317	45.083	669520
5.03E-05	106.31	16732000
0.00024261	100.02	17451000
0.022792	70.908	91143
0.00045376	120.31	2934400
0.046784	57.885	109440
0.0022757	84.31	44632000
4.73E-05	106.6	8770100
0.014081	52.576	2025800
6.59E-06	131.66	15649000
0.016143	49.62	11795000
0.00022501	126.56	38370000
0.023519	42.618	12520000
0.00026961	79.97	7861100

8.06E-20	167.92	86992000
0.01613	60.561	0
0.0082296	107.59	12463000
0.016451	58.246	3560600
1.06E-25	169.49	20605000
3.00E-05	93.5	2766700
0.00011277	94.339	6021300
0.026754	52.579	3349500
0.0023832	90.906	5052100
0.01296	60.167	2781200
0.017171	48.467	1989400
0.012626	53.869	1100300
0.00021645	107.17	6838500
0.00026731	84.375	29791000
5.85E-05	101.53	97082000
2.50E-08	126.8	91413000
0.0014659	68.168	4176500
0.00020684	89.624	3263700
0.00092968	70.47	9977800
0.022714	89.296	2464900
0.0096108	53.169	930140
6.41E-05	76.156	88691000
0.00034406	79.326	6140800
1.65E-07	121.51	15445000
0.0082728	57.885	13356000
4.61E-05	115.31	16475000
0.0039465	64.224	2993300
0.00010571	101.35	3213000
0.0059364	56.514	604770
7.41E-07	106.39	394170
3.62E-07	115.63	19253000
4.49E-18	144.57	18830000
0.01027	57.802	2109800
0.0046736	95.502	3747700
6.84E-19	161.93	19366000
2.37E-19	167.18	66179000
0.00073727	77.776	1449200
0.055325	58.699	1041900
1.07E-106	246.08	318530000
3.39E-08	87.958	122720000
1.84E-05	100.46	4499000
0.0074291	58.487	1292700
1.80E-05	120.99	11192000
1.22E-29	139.79	7906200
0.0030322	91.584	21903000
0.0012942	60.564	5676200
2.80E-16	139.43	15702000
0.00018461	69.548	29850000
9.36E-05	88.071	1492300
7.72E-11	121.14	16051000

9.92E-09	110.57	4497000
3.15E-06	99.686	17757000
0.0014697	59.182	1209700
0.0013501	111.06	4174900
0.035208	56.25	0
0.000128	118.5	3732200
0.00022987	62.383	5210000
9.66E-11	154.15	31564000
0.00021252	95.018	6411400
0.0025775	81.565	2511900
0.01886	46.621	610670
0.02789	42.64	917060
0.0003776	75.463	1445100
0.0032147	76.843	2818500
0.0005872	65.887	1933400
0.0096165	84.687	3981100
0.0020401	65.528	1658700
0.00015608	92.264	3383300
1.41E-08	108.57	11265000
0.0013644	57.989	3116700
0.0018833	106.88	5457600
0.001887	87.806	4707600
0.00028933	84.14	4168300
0.00024978	120.87	3338400
0.0088331	82.259	0
0.003769	82.75	45912000
0.040591	74.162	0
1.21E-08	111.65	9277400
0.017282	104.45	480790
3.70E-05	119.37	156380000
2.51E-09	138.55	61830000
0.047016	45.368	946070
1.97E-06	133.91	36592000
5.83E-11	117.64	7799600
0.00040518	76.155	4300300
5.76E-05	102.72	19891000
0.010071	56.139	2476500
0.041636	46.891	415970
0.02433	77.318	234680
0.026335	50.034	104370
0.0090884	62.466	293770
0.0013856	90.108	5018800
0.027211	74.464	11906000
6.74E-05	109.42	744610
0.00029238	87.216	2462000
0.0073323	60.157	566990
1.92E-05	120.09	23537000
0.00079079	76.868	4230100
0.0001832	105.63	8822500
0.0069855	117.93	3301500

0.027026	45.825	621940
1.57E-07	123.63	4083500
7.54E-05	118.9	71059000
1.28E-32	173.25	63622000
0.043812	41.711	1274500
0.00029627	75.608	7138400
0.028107	46.378	1661700
0.00037373	118.71	3610100
2.09E-06	96.016	3068000
9.29E-06	123.51	7008900
0.0022757	84.31	1949900
0.00049958	98.156	1402800
5.00E-05	104.41	1947400
0.0022337	117.4	17586000
0.016974	66.435	753680
6.50E-21	161.02	0
1.01E-35	159.59	18426000
0.010166	57.885	538780
1.40E-06	77.543	737970
0.00031396	88.311	9293000
0.039507	46.001	229450
0.02436	76.843	0
1.03E-10	82.538	4368200
0.0029262	47.383	2024500
0.0053835	40.799	1144500
0.00080356	51.9	4248600
0.0069829	123.69	3096300
8.47E-05	103.97	94773000
3.34E-18	168.02	74708000
0.0093894	53.861	2314100
0.00044475	128.27	17890000
0.0012729	74.537	2189900
5.70E-11	104.41	10534000
0.00216	96.89	2780600
9.38E-05	86.707	21788000
1.12E-05	68.834	3553900
7.89E-10	97.124	12710000
0.00045819	84.173	5672800
1.83E-05	92.8	8347800
0.025019	88.643	6301500
0.015703	51.135	2134300
8.59E-05	98.408	30513000
0.0036457	64.537	1458400
9.20E-05	91.589	5052600
0.0086811	95.502	2830000
0.00042508	83.692	11396000
0.033847	45.653	870380
1.66E-20	120.33	59874000
0.015701	53.448	2263400
0.031943	45.883	1794100

1.43E-06	72.769	2881900
0.041119	40.767	1042700
0.0098941	59.542	5488600
2.03E-28	180.24	55979000
0.00026111	89.502	6384500
0.00075831	74.475	7644000
1.46E-05	98.76	5820100
0.0089204	70.808	1348100
0.0010582	85.006	6987200
0.0040082	60.134	21150000
2.09E-06	134.88	218020000
0.00010827	77.1	10610000
7.49E-07	115.57	13784000
0.0085831	68.846	2486700
9.70E-09	147.62	32912000
0.0055218	73.985	822830
0.0004744	102.06	5201900
0.01315	53.08	660750
0.00045682	104.01	94996000
0.00058015	110.41	1606200
0.0028379	56.055	1478700
0.00077177	80.69	1601900
9.99E-14	136.56	44006000
0.00045832	84.169	21236000
0.0061394	77.662	2314800
0.014104	52.555	234880
0.022772	42.908	1052000
0.00010258	126.66	10278000
0.0098746	50.608	7976000
0.0045544	56.339	38326000
0.017387	49.463	2350500
4.10E-05	102.84	2293400
0.0040501	81.296	167700
0.0001461	110.93	17788000
9.65E-09	145.81	9659600
0.0037317	57.616	4913400
0.0067927	99.711	0
0.0099011	56.29	1738900
4.19E-05	60.419	1424800
0.00052476	73.279	2775000
0.0023941	75.416	435260
0.024411	51.276	526670
0.014081	52.576	170160
0.00011178	94.45	7562400
0.0025391	74.611	1029700
0.048364	41.401	534290
0.026482	45.992	1155400
0.014104	52.555	1550400
0.015239	51.546	1308600
0.039834	45.908	1470300

0.00093573	96.171	20475000
0.04364	69.451	0
5.96E-05	104.24	4584800
0.0024408	66.285	386630
0.00073853	77.754	5582700
4.56E-23	180.67	972900000
1.83E-06	71.295	2947600
9.54E-05	120.86	28245000
0.00088658	88.596	99218000
5.02E-05	108.23	2676000
0.00042539	76.155	3090100
0.00030772	99.5	8059700
0.034944	45.723	13399000
0.0017834	65.225	2982600
0.014338	78.334	687000
0.00031859	57.735	1288000
0.0011182	66.246	1015100
0.0043534	90.434	0
0.00022041	87.138	2004300
0.019366	65.295	0
0.0063936	70.816	2100800
0.034983	82.452	1358000
5.32E-19	163.51	12298000
0.0017359	74.237	1407600
0.0014656	103.7	1471200
0.0010095	73.156	2486800
0.005037	89.561	0
4.30E-44	186.36	3238000
0.0039405	49.497	1908300
0.00090504	117.31	42756000
0.0024255	103.55	2720000
0.036997	61.593	0
0.026482	45.992	813680
0.0014055	77.597	4013100
6.93E-09	128.14	11501000
0.016975	106.29	22340000
0.030405	77.062	0
0.0068866	121.29	634070
2.80E-12	143.57	10401000
8.46E-10	145.7	16901000
0.00011916	102.15	723270
6.95E-36	150.59	122510000
0.039521	64.711	339670
0.030651	54.776	634710
0.0039559	75.509	1620400
0.00040304	76.378	1864200
0.012526	51.939	542970
0.016368	56.225	2060300
1.77E-15	121.25	15316000
2.92E-07	122.19	3635000

0.0014229	76.332	657490
3.89E-07	114.9	2600200
8.57E-05	98.439	7182100
4.44E-06	117.25	498410000
1.58E-05	130.98	36707000
0.00043294	90.755	12304000
6.83E-05	112.57	2613400
6.96E-09	132.74	2778100
0.0010982	73.927	466380
0.0010246	70.197	3654700
0.00012166	94.339	38303000
0.00032153	131.12	298760000
0.0046714	85.963	2539500
0.013236	57.149	144370
5.56E-10	150.1	47774000
6.67E-10	148.32	49701000
0.00042339	71.637	11729000
0.00065343	68.82	1666900
1.18E-14	152.94	15221000
2.81E-05	89.917	11191000
0.00042777	85.287	3811300
0.0037574	58.712	4146800
0.0017799	103.91	2653000
5.39E-103	226.65	1197700000
0.0082676	42.057	6132300
0.006009	60.401	1310500
0.026916	45.879	1304200
4.52E-05	103.01	19276000
0.0057749	78.149	3939700
1.75E-05	62.677	8696600
6.34E-12	111.11	108140000
0.037967	80.438	2845200
1.99E-05	119.22	20211000
0.0010171	83.692	10508000
2.08E-11	153.75	9662900
0.017629	57.598	363900
8.15E-09	114.66	34292000
0.0098665	76.728	0
3.24E-05	114.89	3932900
0.0003921	84.753	1999300
0.025324	62.732	0
8.45E-15	158.65	11238000
0.0056805	49.559	731820
0.0043759	71.221	18206000
3.64E-05	106.14	19020000
7.23E-07	113.81	10827000
0.055165	55.314	298650
0.0014147	66.022	2103100
0.010646	92.439	1188200
0.0060315	62.528	360530

0.001922	70.373	4941300
1.94E-07	138.99	289610000
0.0064536	43.103	2510700
0.00016352	94.325	32940000
0.013366	89.247	11896000
0.00043483	84.892	902510
0.03137	43.592	731390
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0.00067155	73.834	1406100
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0.0058751	72.23	1559200
9.61E-06	111.79	1966900
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0.00015225	86.625	4875300
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0.0010931	83.182	2633100
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0.00044158	77.527	3121600
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5.64E-44	184.66	58662000
6.36E-05	111.01	10071000
0.042381	69.672	0
0.0024588	66.215	1730400
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0.0060498	75.229	895150
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0.00042783	85.845	16233000
4.88E-05	106.49	4845300
0.019891	50.088	1493400
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2.05E-10	84.665	8886400
0.041885	44.188	331770
6.98E-06	97.776	48721000
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1.93E-44	175.34	613330000
2.00E-07	155	8140700
1.80E-15	163.64	20985000
2.62E-10	142.35	10324000
7.75E-05	120.9	11593000

0.0021841	56.428	1238500
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0.0015659	66.335	2634300
0.00024066	102.73	153270000
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0.008528	59.198	129250
7.22E-07	82.342	8574200
9.11E-06	68.97	2976300
0.017696	86.344	0
0.0015833	90.108	494010
0.048385	44.98	672260
5.57E-05	105.13	3682500
7.52E-05	100.77	20502000
0.00019659	108.43	3419600
0.00080814	64.537	4126100
1.82E-05	115.78	7240500
0.0024	52.03	501890
0.028771	55.676	104590
0.00037616	75.91	3106800
0.0041503	72.006	1355200
0.0002295	82.248	7382300
0.00019401	88.565	2986800

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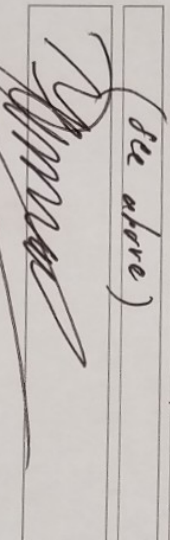
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