

**Supplemental table: A list of proteins with at least one TMT-labeled and confidently matched peptide.**

| Accession         | # Peptides | MW [kDa] | calc. pI | 127/126 | Protein Description                                          |
|-------------------|------------|----------|----------|---------|--------------------------------------------------------------|
| IPI:IPI00382756.1 | 1          | 56.3     | 9.17     | 2.609   | Isoform 2 of Pleiotropic regulator 1                         |
| IPI:IPI00410017.1 | 2          | 61.1     | 9.07     | 2.592   | Isoform 2 of Polyadenylate-binding protein 1                 |
| IPI:IPI00513908.3 | 1          | 215.6    | 5.06     | 2.013   | Protocadherin 15                                             |
|                   |            |          |          |         | Polycystic kidney disease and receptor for egg jelly-related |
| IPI:IPI00005750.1 | 3          | 255.3    | 9.11     | 1.840   | protein precursor                                            |
|                   |            |          |          |         | Isoform 4 of Plasminogen activator inhibitor 1 RNA-binding   |
| IPI:IPI00412714.3 | 1          | 42.4     | 8.44     | 1.766   | protein                                                      |
| IPI:IPI00384653.1 | 1          | 11.1     | 3.79     | 1.732   | Prothymosin a14                                              |
| IPI:IPI00719535.1 | 1          | 5.5      | 4.91     | 1.671   | ATM (Fragment)                                               |
| IPI:IPI00514255.2 | 1          | 167.9    | 8.40     | 1.660   | Probable phospholipid-transporting ATPase VA                 |
| IPI:IPI00398994.3 | 1          | 213.6    | 7.88     | 1.654   | KIAA1305 protein                                             |
| IPI:IPI00640950.1 | 1          | 6.6      | 9.52     | 1.639   | 7 kDa protein                                                |
| IPI:IPI00374479.3 | 1          | 31.8     | 8.57     | 1.605   | axonemal dynein light chain                                  |
| IPI:IPI00032491.1 | 1          | 99.9     | 7.55     | 1.599   | Inner nuclear membrane protein Man1                          |
| IPI:IPI00426162.1 | 1          | 31.2     | 8.24     | 1.590   | Isoform C of Ras association domain-containing protein 1     |
|                   |            |          |          |         | CDNA FLJ14838 fis, clone OVARC1001726, weakly similar to     |
| IPI:IPI00386863.2 | 1          | 42.9     | 6.21     | 1.586   | APICAL-LIKE PROTEIN                                          |
| IPI:IPI00216659.1 | 1          | 19.7     | 5.92     | 1.569   | Isoform 2 of RNA-binding protein 8A                          |
|                   |            |          |          |         | Coatmer subunit alpha (ER-Golgi transport                    |
| IPI:IPI00295857.6 | 2          | 138.2    | 7.66     | 1.507   | Protein transport)                                           |
| IPI:IPI00643791.1 | 1          | 17.8     | 5.49     | 1.487   | 18 kDa protein                                               |
| IPI:IPI00094507.1 | 1          | 29.3     | 6.25     | 1.459   | UBX domain-containing protein 4                              |
| IPI:IPI00375141.1 | 5          | 412.1    | 5.83     | 1.456   | Dystrophin                                                   |
| IPI:IPI00440933.1 | 1          | 72.3     | 6.73     | 1.453   | Isoform 2 of ADAM 9 precursor                                |
| IPI:IPI00009771.5 | 2          | 69.9     | 5.59     | 1.440   | Lamin-B2                                                     |
| IPI:IPI00220827.4 | 3          | 4.9      | 5.36     | 1.392   | Thymosin beta-10                                             |
| IPI:IPI00219568.3 | 5          | 44.6     | 8.54     | 1.389   | Phosphoglycerate kinase, testis specific                     |

|                   |   |       |       |       |                                                                                                   |
|-------------------|---|-------|-------|-------|---------------------------------------------------------------------------------------------------|
| IPI:IPI00645588.1 | 1 | 11.2  | 4.97  | 1.387 | 11 kDa protein                                                                                    |
| IPI:IPI00220709.3 | 9 | 33.0  | 4.67  | 1.386 | Isoform 2 of Tropomyosin beta chain                                                               |
| IPI:IPI00401105.1 | 1 | 13.6  | 10.07 | 1.379 | PREDICTED: similar to 40S ribosomal protein S25                                                   |
| IPI:IPI00386330.1 | 1 | 24.0  | 8.88  | 1.372 | CDNA FLJ14335 fis, clone PLACE4000411                                                             |
| IPI:IPI00739106.2 | 1 | 27.9  | 8.44  | 1.369 | PREDICTED: similar to ribosomal protein L5 isoform 1                                              |
| IPI:IPI00607659.1 | 1 | 73.5  | 6.07  | 1.363 | Isoform 1 of Protein C14orf145                                                                    |
| IPI:IPI00007049.1 | 1 | 15.8  | 9.55  | 1.353 | 28S ribosomal protein S18c, mitochondrial precursor                                               |
| IPI:IPI00167087.1 | 1 | 111.8 | 5.82  | 1.352 | COL3A1 protein                                                                                    |
| IPI:IPI00414203.2 | 3 | 81.4  | 5.97  | 1.351 | Predicted testis protein                                                                          |
| IPI:IPI00216298.5 | 4 | 11.6  | 4.92  | 1.351 | Thioredoxin                                                                                       |
| IPI:IPI00289800.7 | 2 | 59.2  | 6.84  | 1.339 | glucose-6-phosphate dehydrogenase<br>Gem-associated protein 5, Gem (nuclear organelle) associated |
| IPI:IPI00291783.3 | 3 | 168.5 | 6.60  | 1.337 | protein 5                                                                                         |
| IPI:IPI00022430.1 | 1 | 44.5  | 8.19  | 1.335 | Glyceraldehyde-3-phosphate dehydrogenase, testis-specific                                         |
| IPI:IPI00410096.1 | 3 | 197.5 | 6.13  | 1.333 | selective LIM binding factor homolog                                                              |
| IPI:IPI00084828.1 | 1 | 67.5  | 6.96  | 1.331 | Isoform 1 of Syntaxin-binding protein 1                                                           |
| IPI:IPI00215780.4 | 2 | 15.9  | 10.32 | 1.329 | 40S ribosomal protein S19                                                                         |
| IPI:IPI00023211.1 | 1 | 26.0  | 7.94  | 1.323 | Rho-related GTP-binding protein Rho6                                                              |
| IPI:IPI00375609.3 | 2 | 48.7  | 5.97  | 1.322 | Chromosome 10 open reading frame 39                                                               |
| IPI:IPI00465315.5 | 3 | 11.6  | 9.57  | 1.314 | Cytochrome c                                                                                      |
| IPI:IPI00165045.3 | 1 | 257.0 | 8.34  | 1.308 | calcium channel, voltage-dependent, alpha 1E subunit                                              |
| IPI:IPI00747357.1 | 1 | 7.9   | 10.45 | 1.295 | 8 kDa protein                                                                                     |
| IPI:IPI00643853.1 | 2 | 20.8  | 5.02  | 1.283 | Chloride intracellular channel 1<br>Highly similar to NDRG1 protein (N-myc downstream regulated   |
| IPI:IPI00183085.2 | 2 | 35.2  | 6.34  | 1.282 | 1)                                                                                                |
| IPI:IPI00414898.3 | 1 | 64.4  | 8.51  | 1.276 | PREDICTED: hypothetical protein LOC23349                                                          |
| IPI:IPI00746441.1 | 1 | 43.6  | 5.26  | 1.274 | Neutral sphingomyelinase                                                                          |
| IPI:IPI00654746.1 | 1 | 30.2  | 9.14  | 1.273 | Hypothetical protein FAM7A2                                                                       |
| IPI:IPI00166417.6 | 1 | 30.6  | 6.93  | 1.263 | CDNA FLJ90556 fis, clone OVARC1000956                                                             |

|                   |    |       |       |       |                                                                          |
|-------------------|----|-------|-------|-------|--------------------------------------------------------------------------|
| IPI:IPI00005705.1 | 2  | 37.0  | 6.54  | 1.258 | Serine/threonine-protein phosphatase 1, catalytic subunit, gamma isozyme |
| IPI:IPI00718911.1 | 1  | 10.7  | 10.42 | 1.256 | Ribosomal protein L28 variant (Fragment)                                 |
|                   |    |       |       |       | CDNA FLJ16524 fis, clone OCBBF2003327, moderately similar                |
| IPI:IPI00442054.1 | 1  | 51.8  | 7.88  | 1.255 | to ADAM-TS 6                                                             |
| IPI:IPI00016958.1 | 1  | 14.6  | 11.52 | 1.254 | R33683_2                                                                 |
| IPI:IPI00555687.1 | 1  | 24.6  | 6.98  | 1.253 | Isoform 7 of Shugoshin-like 1                                            |
| IPI:IPI00169383.2 | 11 | 44.5  | 8.10  | 1.247 | Phosphoglycerate kinase 1                                                |
| IPI:IPI00003815.2 | 1  | 23.1  | 5.11  | 1.246 | Rho GDP-dissociation inhibitor 1                                         |
| IPI:IPI00218110.1 | 1  | 12.1  | 6.51  | 1.239 | Isocitrate dehydrogenase 3 (NAD+) gamma-like                             |
| IPI:IPI00398776.3 | 53 | 512.3 | 5.77  | 1.238 | plectin 1 isoform 7 (focal adhesion)                                     |
|                   |    |       |       |       | Neuroblast differentiation-associated protein AHNAK (required            |
| IPI:IPI00021812.1 | 2  | 312.3 | 6.73  | 1.234 | for cell differentiation)                                                |
| IPI:IPI00658156.1 | 1  | 78.0  | 6.00  | 1.232 | Isoform 4 of Serologically defined colon cancer antigen 8                |
| IPI:IPI00513941.2 | 1  | 13.1  | 6.61  | 1.229 | SAR1a gene homolog 1                                                     |
| IPI:IPI00004419.3 | 1  | 200.6 | 7.33  | 1.228 | Zinc finger protein 646                                                  |
| IPI:IPI00179700.3 | 3  | 11.7  | 10.32 | 1.227 | High mobility group protein HMG-I/HMG-Y                                  |
| IPI:IPI00027223.2 | 1  | 46.6  | 7.01  | 1.227 | Isocitrate dehydrogenase [NADP] cytoplasmic                              |
| IPI:IPI00444145.1 | 1  | 24.7  | 10.73 | 1.223 | CDNA FLJ45820 fis, clone NT2RP8001407                                    |
| IPI:IPI00008433.3 | 1  | 22.7  | 9.72  | 1.222 | 40S ribosomal protein S5                                                 |
| IPI:IPI00220301.4 | 3  | 24.9  | 6.38  | 1.218 | Peroxiredoxin-6                                                          |
| IPI:IPI00243278.1 | 2  | 11.4  | 10.29 | 1.213 | PREDICTED: similar to ribosomal protein L31                              |
| IPI:IPI00554618.1 | 1  | 63.7  | 6.10  | 1.210 | basal cell adhesion molecule isoform 2 precursor                         |
| IPI:IPI00218353.3 | 3  | 121.0 | 7.75  | 1.210 | Isoform B of Probable cation-transporting ATPase 13A1                    |
| IPI:IPI00215911.2 | 1  | 35.4  | 8.12  | 1.208 | DNA-(apurinic or apyrimidinic site) lyase                                |
| IPI:IPI00384051.4 | 1  | 27.2  | 5.58  | 1.205 | Proteasome activator complex subunit 2                                   |
| IPI:IPI00745516.1 | 1  | 10.3  | 9.74  | 1.194 | Similar to High mobility group protein HMG1                              |
|                   |    |       |       |       | Isoform 2 of Nucleolin (pre-rRNA transcription and ribosome              |
| IPI:IPI00743912.1 | 9  | 74.2  | 4.63  | 1.189 | assembly)                                                                |
| IPI:IPI00740650.2 | 2  | 192.3 | 5.40  | 1.187 | Stereocilin-like protein                                                 |

|                   |    |        |       |       |                                                                |
|-------------------|----|--------|-------|-------|----------------------------------------------------------------|
| IPI:IPI00748645.1 | 3  | 19.9   | 10.51 | 1.186 | Similar to 60S ribosomal protein L6                            |
| IPI:IPI00654615.1 | 2  | 18.9   | 9.20  | 1.182 | Dehydrogenase/reductase SDR family member 9 precursor          |
| IPI:IPI00394706.1 | 1  | 15.3   | 4.58  | 1.178 | PHAPI protein (Fragment)                                       |
| IPI:IPI00413807.3 | 2  | 77.2   | 8.44  | 1.175 | Zinc finger protein 17, isoform 1 (transcriptional regulation) |
| IPI:IPI00382617.1 | 2  | 31.5   | 7.36  | 1.173 | P37 AUF1 (Heterogeneous nuclear ribonucleoprotein D0)          |
|                   |    |        |       |       | DENN domain-containing protein 1A (Connecdenn 1), Guanine      |
| IPI:IPI00449176.2 | 2  | 52.8   | 8.15  | 1.172 | nucleotide exchange factor                                     |
| IPI:IPI00642422.1 | 2  | 300.4  | 9.35  | 1.170 | Transcriptional regulatory protein Ash1                        |
|                   |    |        |       |       | Ribosomal RNA upstream binding transcription factor            |
|                   |    |        |       |       | (Fragment)                                                     |
| IPI:IPI00384556.1 | 1  | 75.9   | 8.70  | 1.169 |                                                                |
| IPI:IPI00513736.1 | 1  | 53.0   | 9.50  | 1.166 | DNA methyltransferase 1-associated protein 1                   |
| IPI:IPI00012772.7 | 2  | 27.9   | 11.03 | 1.164 | 60S ribosomal protein L8                                       |
| IPI:IPI00718994.1 | 1  | 69.0   | 6.32  | 1.163 | Protein                                                        |
| IPI:IPI00328713.3 | 1  | 98.4   | 8.62  | 1.162 | Zinc finger protein 546                                        |
| IPI:IPI00748427.1 | 1  | 52.8   | 7.31  | 1.161 | 53 kDa protein                                                 |
| IPI:IPI00642560.1 | 3  | 23.2   | 8.51  | 1.156 | 23 kDa protein                                                 |
| IPI:IPI00221089.4 | 3  | 17.1   | 10.54 | 1.156 | 40S ribosomal protein S13                                      |
| IPI:IPI00401922.1 | 1  | 27.4   | 5.02  | 1.152 | 27 kDa protein                                                 |
| IPI:IPI00220756.1 | 1  | 103.2  | 5.73  | 1.151 | Isoform Alpha-7X2DA of Integrin alpha-7 precursor              |
| IPI:IPI00428056.1 | 2  | 16.1   | 9.00  | 1.151 | BBF2H7/FUS protein ( nucleic acid binding)                     |
| IPI:IPI00021999.1 | 1  | 62.3   | 7.88  | 1.149 | Interleukin-18 receptor 1 precursor                            |
|                   |    |        |       |       | PREDICTED: similar to transmembrane channel-like gene          |
|                   |    |        |       |       | family 3                                                       |
| IPI:IPI00479701.2 | 1  | 125.7  | 9.22  | 1.143 |                                                                |
| IPI:IPI00024295.1 | 1  | 84.7   | 7.52  | 1.142 | Zinc finger X-linked protein ZXDA                              |
| IPI:IPI00396227.2 | 1  | 91.9   | 8.66  | 1.140 | Isoform 4 of Regulating synaptic membrane exocytosis protein 2 |
| IPI:IPI00260318.2 | 1  | 30.1   | 9.11  | 1.134 | cyclin-dependent kinase 2 isoform 2                            |
| IPI:IPI00414922.3 | 2  | 14.5   | 7.21  | 1.133 | ribosomal protein S12                                          |
| IPI:IPI00410344.2 | 2  | 108.9  | 8.62  | 1.132 | Serine/threonine-protein kinase PLK4                           |
| IPI:IPI00480149.2 | 1  | 24.9   | 7.62  | 1.131 | 25 kDa protein                                                 |
| IPI:IPI00759613.1 | 20 | 3651.0 | 6.44  | 1.131 | Isoform 5 of Titin                                             |

|                   |    |       |       |       |                                                                  |
|-------------------|----|-------|-------|-------|------------------------------------------------------------------|
| IPI:IPI00513927.1 | 2  | 20.9  | 6.55  | 1.131 | Glutathione S-transferase omega 1                                |
| IPI:IPI00396485.3 | 18 | 50.1  | 9.01  | 1.130 | Elongation factor 1-alpha 1                                      |
| IPI:IPI00021428.1 | 11 | 42.0  | 5.39  | 1.125 | Actin, alpha skeletal muscle                                     |
| IPI:IPI00010471.4 | 8  | 70.1  | 5.33  | 1.124 | Plastin-2                                                        |
| IPI:IPI00012190.1 | 1  | 61.3  | 6.39  | 1.123 | Putative dimethylaniline monooxygenase [N-oxide-forming] 6       |
| IPI:IPI00743501.1 | 1  | 70.2  | 9.23  | 1.123 | Hypothetical protein DKFZp686A04192 (Fragment)                   |
| IPI:IPI00007752.1 | 13 | 49.8  | 4.89  | 1.122 | Tubulin beta-2C chain                                            |
| IPI:IPI00166740.1 | 1  | 30.6  | 11.36 | 1.121 | Hypothetical protein (Fragment)                                  |
| IPI:IPI00253411.3 | 1  | 7.7   | 4.70  | 1.121 | PREDICTED: similar to Tubulin alpha-4 chain                      |
| IPI:IPI00298345.1 | 1  | 67.5  | 7.58  | 1.121 | Isoform 1 of Tyrosine-protein kinase RYK precursor               |
| IPI:IPI00005154.1 | 1  | 81.0  | 6.87  | 1.117 | Structure-specific recognition protein 1                         |
| IPI:IPI00455167.3 | 2  | 25.3  | 8.15  | 1.116 | Dihydrodiol dehydrogenase DD2                                    |
| IPI:IPI00744455.1 | 1  | 47.1  | 9.20  | 1.116 | PREDICTED: formin binding protein 3 isoform 2                    |
| IPI:IPI00478277.2 | 2  | 24.5  | 9.91  | 1.115 | 24 kDa protein, similar to ribosomal protein L10a                |
| IPI:IPI00292438.6 | 1  | 38.2  | 8.18  | 1.113 | Protein FAM26C                                                   |
| IPI:IPI00514411.1 | 1  | 159.2 | 5.01  | 1.113 | Isoform 2 of Hepatitis B virus X-associated protein              |
| IPI:IPI00431747.1 | 2  | 45.6  | 8.48  | 1.112 | nuclear receptor subfamily 1, group D, member 2                  |
| IPI:IPI00152780.2 | 1  | 90.3  | 8.28  | 1.112 | tumor protein p53 inducible protein 5                            |
| IPI:IPI00446745.1 | 1  | 27.4  | 8.29  | 1.111 | CDNA FLJ41196 fis, clone BRACE2045772                            |
| IPI:IPI00478539.2 | 7  | 32.4  | 8.87  | 1.110 | Similar to Heterogeneous nuclear ribonucleoprotein A1            |
| IPI:IPI00178440.2 | 1  | 24.6  | 4.67  | 1.107 | Elongation factor 1-beta                                         |
|                   |    |       |       |       | Isoform Beta of Signal transducer and activator of transcription |
| IPI:IPI00218188.1 | 1  | 83.0  | 6.42  | 1.105 | 1-alpha/beta                                                     |
| IPI:IPI00644361.2 | 1  | 33.9  | 6.54  | 1.104 | Arylamine N-acetyltransferase 1                                  |
| IPI:IPI00217348.1 | 1  | 35.7  | 9.22  | 1.102 | Isoform 2 of Opsin-3                                             |
| IPI:IPI00646262.1 | 1  | 28.1  | 6.54  | 1.102 | 28 kDa protein                                                   |
| IPI:IPI00100980.9 | 2  | 61.1  | 6.46  | 1.101 | EH-domain-containing protein 2                                   |
| IPI:IPI00162547.2 | 2  | 139.3 | 7.06  | 1.097 | Latrophilin-3 precursor (GPCR)                                   |
| IPI:IPI00019869.3 | 3  | 11.1  | 4.78  | 1.097 | S100A2 protein                                                   |
| IPI:IPI00304232.1 | 1  | 47.7  | 5.90  | 1.094 | WD-repeat protein 12                                             |

|                      |       |       |       |                                                            |
|----------------------|-------|-------|-------|------------------------------------------------------------|
| IPI:IPI00646651.1 1  | 13.0  | 6.14  | 1.093 | Rho GTPase activating protein 21                           |
| IPI:IPI00013485.3 5  | 31.3  | 10.24 | 1.092 | 40S ribosomal protein S2                                   |
| IPI:IPI00216430.2 1  | 54.5  | 6.54  | 1.091 | Isoform 2 of M-phase inducer phosphatase 1                 |
| IPI:IPI00217468.2 6  | 22.4  | 10.92 | 1.090 | Histone H1.5                                               |
| IPI:IPI00007144.1 1  | 17.2  | 10.55 | 1.089 | 60S ribosomal protein L26-like 1                           |
| IPI:IPI00328826.5 1  | 143.4 | 6.14  | 1.089 | Isoform 2 of Calcium-dependent secretion activator 2       |
| IPI:IPI00642325.1 1  | 105.0 | 7.24  | 1.088 | IQ motif and Sec7 domain 2                                 |
| IPI:IPI00401287.1 1  | 20.0  | 7.39  | 1.088 | CDNA FLJ42909 fis, clone BRHIP3020182                      |
| IPI:IPI00299010.3 1  | 88.1  | 8.57  | 1.087 | Isoform 1 of Paraplegin                                    |
| IPI:IPI00030790.7 1  | 180.8 | 5.87  | 1.085 | hypothetical protein LOC23247                              |
| IPI:IPI00640006.1 1  | 45.6  | 6.24  | 1.084 | GDP dissociation inhibitor 2                               |
| IPI:IPI00008864.1 1  | 52.3  | 6.73  | 1.083 | Link guanine nucleotide exchange factor II                 |
| IPI:IPI00024095.2 2  | 36.2  | 5.92  | 1.082 | Annexin A3                                                 |
| IPI:IPI00640193.1 1  | 12.2  | 9.99  | 1.081 | Hypothetical protein                                       |
| IPI:IPI00741799.1 1  | 10.5  | 9.41  | 1.080 | PREDICTED: similar to Rho-related GTP-binding protein RhoG |
| IPI:IPI00176903.2 1  | 43.4  | 5.60  | 1.079 | Isoform 1 of Polymerase I and transcript release factor    |
| IPI:IPI00297953.3 1  | 65.2  | 7.23  | 1.078 | Hypothetical protein FLJ40311                              |
| IPI:IPI00008438.1 1  | 18.9  | 10.15 | 1.076 | 40S ribosomal protein S10                                  |
| IPI:IPI00303797.3 1  | 84.4  | 7.53  | 1.076 | B-Raf proto-oncogene serine/threonine-protein kinase       |
| IPI:IPI00646304.3 3  | 23.7  | 9.41  | 1.075 | peptidylprolyl isomerase B precursor                       |
| IPI:IPI00744062.1 1  | 121.6 | 8.54  | 1.075 | transcription elongation regulator 1 isoform 2             |
| IPI:IPI00384298.6 3  | 143.9 | 10.81 | 1.074 | spindle assembly associated Sfi1 homolog isoform b         |
| IPI:IPI00003084.1 1  | 22.3  | 5.17  | 1.073 | DR1-associated protein 1                                   |
| IPI:IPI00026260.1 2  | 17.3  | 8.41  | 1.072 | Nucleoside diphosphate kinase B                            |
| IPI:IPI00748557.1 2  | 56.0  | 5.71  | 1.071 | Serine/threonine protein phosphatase                       |
| IPI:IPI00170550.1 1  | 52.0  | 7.40  | 1.071 | tigger transposable element derived 3                      |
| IPI:IPI00645904.1 1  | 44.2  | 7.03  | 1.070 | 44 kDa protein                                             |
| IPI:IPI00646171.1 1  | 44.4  | 5.78  | 1.070 | Hypothetical protein DKFZp434A1315                         |
| IPI:IPI00739191.1 2  | 53.3  | 5.54  | 1.070 | PREDICTED: similar to SET protein                          |
| IPI:IPI00643920.2 10 | 67.8  | 7.66  | 1.070 | Transketolase                                              |

|                   |    |       |       |       |                                                                                  |
|-------------------|----|-------|-------|-------|----------------------------------------------------------------------------------|
| IPI:IPI00296022.1 | 1  | 10.7  | 4.44  | 1.070 | Ubiquinol-cytochrome c reductase complex 11 kDa protein, mitochondrial precursor |
| IPI:IPI00183695.8 | 3  | 11.1  | 7.37  | 1.069 | Protein S100-A10                                                                 |
| IPI:IPI00291796.2 | 3  | 199.9 | 6.06  | 1.069 | BTB (POZ) domain containing 12                                                   |
| IPI:IPI00644576.1 | 29 | 276.4 | 6.05  | 1.069 | Filamin A, alpha                                                                 |
| IPI:IPI00018146.1 | 7  | 27.7  | 4.78  | 1.067 | 14-3-3 protein theta                                                             |
| IPI:IPI00619898.2 | 3  | 26.9  | 9.39  | 1.066 | Hypothetical protein (Fragment)                                                  |
| IPI:IPI00025091.1 | 1  | 18.4  | 10.30 | 1.066 | 40S ribosomal protein S11                                                        |
| IPI:IPI00019472.4 | 1  | 56.6  | 5.48  | 1.065 | Neutral amino acid transporter B(0)                                              |
| IPI:IPI00644712.3 | 5  | 69.7  | 6.64  | 1.065 | ATP-dependent DNA helicase 2 subunit 1                                           |
| IPI:IPI00644196.1 | 7  | 25.7  | 8.57  | 1.064 | SERPINB5 protein                                                                 |
| IPI:IPI00333314.4 | 2  | 68.7  | 9.36  | 1.064 | Zinc finger protein 85                                                           |
| IPI:IPI00027422.1 | 4  | 202.0 | 6.09  | 1.064 | Integrin beta-4 precursor                                                        |
| IPI:IPI00221222.6 | 1  | 14.3  | 9.60  | 1.063 | Activated RNA polymerase II transcriptional coactivator p15                      |
| IPI:IPI00012011.5 | 9  | 18.4  | 8.09  | 1.062 | Cofilin-1                                                                        |
| IPI:IPI00465164.3 | 1  | 168.2 | 8.05  | 1.060 | PREDICTED: similar to SMF protein                                                |
| IPI:IPI00217391.4 | 2  | 164.8 | 4.48  | 1.059 | lemur tyrosine kinase 2                                                          |
| IPI:IPI00003035.1 | 1  | 34.7  | 9.04  | 1.058 | Protein C15orf29                                                                 |
| IPI:IPI00180983.1 | 2  | 61.8  | 8.25  | 1.057 | insulin-like growth factor 2 mRNA binding protein 2 isoform b                    |
| IPI:IPI00383296.4 | 2  | 73.4  | 8.82  | 1.056 | Heterogeneous nuclear ribonucleoprotein M                                        |
| IPI:IPI00217030.9 | 1  | 29.4  | 10.15 | 1.055 | 40S ribosomal protein S4, X isoform                                              |
| IPI:IPI00647495.1 | 1  | 22.2  | 7.01  | 1.055 | 22 kDa protein                                                                   |
| IPI:IPI00410274.2 | 2  | 33.4  | 8.27  | 1.053 | Hypothetical protein DKFZp451E0719                                               |
| IPI:IPI00453473.5 | 6  | 11.2  | 11.36 | 1.052 | Histone H4                                                                       |
| IPI:IPI00550502.4 | 3  | 99.4  | 7.09  | 1.052 | MCF.2 cell line derived transforming sequence-like                               |
| IPI:IPI00382781.1 | 1  | 23.6  | 9.41  | 1.050 | OTTHUMP00000017281                                                               |
| IPI:IPI00418169.2 | 20 | 40.4  | 8.37  | 1.049 | annexin A2 isoform 1                                                             |
| IPI:IPI00744194.1 | 1  | 16.7  | 5.34  | 1.049 | Similar to Sodium/potassium-transporting ATPase alpha-1 chain precursor          |
| IPI:IPI00219954.1 | 2  | 73.8  | 7.15  | 1.048 | Isoform 2 of Exocyst complex component 3                                         |

|                      |       |       |       |                                                                                                                                             |
|----------------------|-------|-------|-------|---------------------------------------------------------------------------------------------------------------------------------------------|
| IPI:IPI00290954.2 1  | 43.9  | 6.09  | 1.048 | Isoform 2 of Dipeptidase 2 precursor<br>Polypyrimidine tract-binding protein 1 isoform c variant                                            |
| IPI:IPI00556157.1 3  | 35.5  | 8.98  | 1.047 | (Fragment)                                                                                                                                  |
| IPI:IPI00013388.2 1  | 4.4   | 8.25  | 1.047 | Conserved hypothetical protein                                                                                                              |
| IPI:IPI00027821.3 1  | 55.9  | 8.02  | 1.047 | Trypsin inhibitor                                                                                                                           |
| IPI:IPI00011285.1 1  | 81.8  | 5.67  | 1.045 | Calpain-1 catalytic subunit                                                                                                                 |
| IPI:IPI00642237.1 1  | 18.3  | 9.01  | 1.044 | Nuclear factor I/B                                                                                                                          |
| IPI:IPI00478908.2 14 | 49.7  | 5.10  | 1.044 | 50 kDa protein                                                                                                                              |
| IPI:IPI00465260.3 3  | 84.6  | 7.77  | 1.044 | GARS protein<br>Eukaryotic translation initiation factor 3 subunit 6-interacting                                                            |
| IPI:IPI00745266.1 1  | 66.7  | 6.34  | 1.044 | protein                                                                                                                                     |
| IPI:IPI00102070.5 2  | 52.2  | 5.02  | 1.043 | calcium binding and coiled-coil domain 2                                                                                                    |
| IPI:IPI00472082.2 10 | 42.3  | 6.21  | 1.043 | Serpin B5 precursor<br>CDNA FLJ43276 fis, clone KIDNE2011532, moderately similar<br>to Homo sapiens melanoma-associated chondroitin sulfate |
| IPI:IPI00399098.2 1  | 21.0  | 5.03  | 1.043 | proteoglycan 4                                                                                                                              |
| IPI:IPI00217467.2 8  | 21.7  | 11.03 | 1.043 | Histone H1.4                                                                                                                                |
| IPI:IPI00009862.4 1  | 51.8  | 5.06  | 1.042 | Cerebellar degeneration-related protein 2                                                                                                   |
| IPI:IPI00219365.2 7  | 67.6  | 6.40  | 1.042 | Moesin                                                                                                                                      |
| IPI:IPI00386491.5 4  | 88.8  | 5.78  | 1.041 | Isoform Short of Heterogenous nuclear ribonucleoprotein U                                                                                   |
| IPI:IPI00029273.1 1  | 155.4 | 7.33  | 1.041 | Hepatocyte growth factor receptor precursor                                                                                                 |
| IPI:IPI00337325.2 2  | 84.0  | 5.77  | 1.040 | Isoform A of Hyaluronan mediated motility receptor                                                                                          |
| IPI:IPI00009236.5 2  | 20.5  | 6.02  | 1.039 | caveolin 1                                                                                                                                  |
| IPI:IPI00556485.2 3  | 27.4  | 8.24  | 1.039 | RPLP0 protein                                                                                                                               |
| IPI:IPI00005996.1 1  | 11.8  | 10.62 | 1.037 | High mobility group protein HMGI-C                                                                                                          |
| IPI:IPI00160901.3 1  | 76.6  | 9.44  | 1.037 | G2 and S phase expressed protein 1                                                                                                          |
| IPI:IPI00551024.4 1  | 58.9  | 7.49  | 1.037 | Dihydroxyacetone kinase                                                                                                                     |
| IPI:IPI00382470.2 10 | 98.1  | 5.17  | 1.033 | Heat shock protein HSP 90-alpha 2                                                                                                           |
| IPI:IPI00646059.1 7  | 31.1  | 4.18  | 1.033 | SET translocation                                                                                                                           |
| IPI:IPI00749513.1 1  | 115.6 | 6.05  | 1.032 | polycystic kidney disease 1-like isoform a                                                                                                  |



|                   |   |       |       |       |                                                                                                                     |
|-------------------|---|-------|-------|-------|---------------------------------------------------------------------------------------------------------------------|
| IPI:IPI00160395.3 | 3 | 35.9  | 5.41  | 1.032 | Homer-3B protein                                                                                                    |
| IPI:IPI00304648.2 | 1 | 88.3  | 6.11  | 1.031 | MLCK protein                                                                                                        |
| IPI:IPI00446355.1 | 1 | 18.4  | 7.56  | 1.027 | CDNA FLJ41803 fis, clone NHNPC2002749                                                                               |
| IPI:IPI00742692.1 | 2 | 11.5  | 6.68  | 1.025 | Actin-like protein (Fragment)                                                                                       |
| IPI:IPI00745153.1 | 3 | 113.1 | 7.94  | 1.025 | Isoform 4 of Regulator of telomere elongation helicase 1<br>Mitochondrial import inner membrane translocase subunit |
| IPI:IPI00219833.2 | 1 | 18.3  | 9.03  | 1.024 | Tim17-B                                                                                                             |
| IPI:IPI00740535.1 | 1 | 28.0  | 10.59 | 1.023 | PREDICTED: similar to Kinesin heavy chain isoform 5C                                                                |
| IPI:IPI00219153.3 | 2 | 14.6  | 9.19  | 1.022 | 60S ribosomal protein L22                                                                                           |
| IPI:IPI00745897.1 | 1 | 30.8  | 5.45  | 1.021 | Similar to Rabring 7                                                                                                |
| IPI:IPI00329801.1 | 9 | 35.8  | 5.05  | 1.021 | Annexin A5<br>Isoform B of Dual specificity mitogen-activated protein kinase                                        |
| IPI:IPI00302112.1 | 2 | 51.8  | 9.22  | 1.021 | kinase 7                                                                                                            |
| IPI:IPI00429684.1 | 1 | 19.2  | 9.06  | 1.020 | Fibrosin-1                                                                                                          |
| IPI:IPI00216464.9 | 3 | 73.0  | 6.16  | 1.019 | Hypothetical protein DKFZp761L2322                                                                                  |
| IPI:IPI00021145.1 | 3 | 66.5  | 9.10  | 1.019 | Isoform 1 of Dual specificity protein phosphatase CDC14A                                                            |
| IPI:IPI00442874.1 | 1 | 18.9  | 10.68 | 1.018 | Hypothetical protein FLJ26465                                                                                       |
| IPI:IPI00220967.1 | 5 | 152.1 | 8.66  | 1.018 | Isoform 1 of Ribosome-binding protein 1                                                                             |
| IPI:IPI00010414.3 | 1 | 35.9  | 7.02  | 1.017 | PDZ and LIM domain protein 1                                                                                        |
| IPI:IPI00004656.1 | 1 | 13.7  | 6.52  | 1.017 | Beta-2-microglobulin precursor                                                                                      |
| IPI:IPI00374179.2 | 1 | 20.0  | 8.40  | 1.017 | Full-length cDNA clone CS0DJ006YA22 of T cells (Fragment)                                                           |
| IPI:IPI00010156.1 | 1 | 62.6  | 6.49  | 1.017 | Mitogen-activated protein kinase 4                                                                                  |
| IPI:IPI00747425.1 | 1 | 12.4  | 11.46 | 1.017 | Similar to ATR-interacting protein                                                                                  |
| IPI:IPI00043862.4 | 1 | 78.9  | 9.35  | 1.016 | IQCA protein                                                                                                        |
| IPI:IPI00025491.1 | 6 | 46.1  | 5.48  | 1.016 | Eukaryotic initiation factor 4A-I                                                                                   |
| IPI:IPI00386368.1 | 1 | 20.6  | 9.76  | 1.015 | Seven transmembrane helix receptor                                                                                  |
| IPI:IPI00396321.1 | 1 | 34.9  | 9.57  | 1.015 | Leucine-rich repeat-containing protein 59                                                                           |
| IPI:IPI00217465.4 | 7 | 21.2  | 10.93 | 1.014 | Histone H1.2                                                                                                        |
| IPI:IPI00023407.3 | 2 | 128.1 | 6.92  | 1.014 | Nck-associated protein 1-like                                                                                       |
| IPI:IPI00178721.2 | 1 | 44.8  | 8.24  | 1.013 | Putative SB115 protein                                                                                              |

|                     |       |      |       |                                                                                                          |
|---------------------|-------|------|-------|----------------------------------------------------------------------------------------------------------|
| IPI:IPI00004362.2 1 | 112.8 | 7.85 | 1.013 | MORC family CW-type zinc finger 1<br>Protein O-linked-mannose beta-1,2-N-                                |
| IPI:IPI00550558.5 1 | 75.2  | 6.83 | 1.012 | acetylglucosaminyltransferase 1                                                                          |
| IPI:IPI00075248.1 5 | 16.7  | 4.22 | 1.012 | Calmodulin                                                                                               |
| IPI:IPI00219217.2 1 | 36.5  | 6.05 | 1.012 | L-lactate dehydrogenase B chain                                                                          |
| IPI:IPI00297058.2 1 | 34.3  | 7.81 | 1.011 | Hypothetical protein FLJ23235                                                                            |
| IPI:IPI00297224.4 2 | 89.3  | 6.43 | 1.011 | PREDICTED: hypothetical protein LOC26032                                                                 |
| IPI:IPI00307665.3 1 | 150.9 | 9.14 | 1.010 | zinc finger protein 518                                                                                  |
| IPI:IPI00001639.2 1 | 97.1  | 4.78 | 1.009 | Importin beta-1 subunit                                                                                  |
| IPI:IPI00437751.1 1 | 149.6 | 6.39 | 1.009 | Angiotensin-converting enzyme, somatic isoform precursor                                                 |
| IPI:IPI00297671.3 1 | 115.5 | 9.54 | 1.008 | Cyclin-dependent kinase-like 5                                                                           |
| IPI:IPI00604407.1 1 | 9.7   | 4.75 | 1.007 | RNA binding motif protein 3 isoform b                                                                    |
| IPI:IPI00479359.6 6 | 69.4  | 6.27 | 1.007 | villin 2                                                                                                 |
| IPI:IPI00163187.9 3 | 54.4  | 7.24 | 1.007 | Fascin                                                                                                   |
| IPI:IPI00736001.1 1 | 18.2  | 9.31 | 1.006 | PREDICTED: similar to zinc finger protein 114                                                            |
| IPI:IPI00607708.1 5 | 36.3  | 7.77 | 1.006 | Isoform 2 of L-lactate dehydrogenase A chain<br>CDNA FLJ38738 fis, clone KIDNE2011508, highly similar to |
| IPI:IPI00298393.3 1 | 38.5  | 9.66 | 1.004 | Homo sapiens hNBL4                                                                                       |
| IPI:IPI00647226.2 1 | 20.0  | 5.10 | 1.003 | PREDICTED: similar to ADP-ribosylation factor 1 like                                                     |
| IPI:IPI00009151.3 1 | 48.7  | 7.33 | 1.003 | Isoform 2 of Butyrophilin-like protein 3 precursor                                                       |
| IPI:IPI00747629.1 7 | 28.8  | 4.81 | 1.002 | Isoform 3 of Tropomyosin alpha-3 chain                                                                   |
| IPI:IPI00641823.1 1 | 27.5  | 6.29 | 1.000 | OLFML2B protein                                                                                          |
| IPI:IPI00005634.3 2 | 175.4 | 7.53 | 0.999 | Hypothetical protein KIAA0372                                                                            |
| IPI:IPI00556655.1 2 | 41.8  | 7.87 | 0.997 | LAMP1 protein variant (Fragment)                                                                         |
| IPI:IPI00221235.3 1 | 162.0 | 5.50 | 0.997 | nucleoporin 160kDa                                                                                       |
| IPI:IPI00007117.1 2 | 46.6  | 5.63 | 0.997 | Plasminogen activator inhibitor 2 precursor                                                              |
| IPI:IPI00062884.3 1 | 57.4  | 5.33 | 0.997 | cortactin isoform b                                                                                      |
| IPI:IPI00411979.2 2 | 107.0 | 7.05 | 0.997 | formin-like 3 isoform 1                                                                                  |
| IPI:IPI00719202.1 2 | 44.3  | 7.02 | 0.996 | MHC class I antigen heavy chain                                                                          |
| IPI:IPI00003881.5 2 | 45.6  | 5.58 | 0.996 | heterogeneous nuclear ribonucleoprotein F                                                                |

|                   |    |       |       |       |                                                             |
|-------------------|----|-------|-------|-------|-------------------------------------------------------------|
| IPI:IPI00645201.1 | 3  | 21.9  | 10.36 | 0.996 | Ribosomal protein S8                                        |
| IPI:IPI00220667.2 | 2  | 101.0 | 7.05  | 0.993 | Isoform 4 of Hexokinase-1                                   |
| IPI:IPI00741181.1 | 1  | 8.2   | 6.35  | 0.993 | PREDICTED: similar to Heat shock protein HSP 90-beta        |
| IPI:IPI00021347.1 | 2  | 17.9  | 8.51  | 0.993 | Ubiquitin-conjugating enzyme E2 L3                          |
| IPI:IPI00011654.2 | 14 | 49.6  | 4.89  | 0.992 | Tubulin beta-2 chain                                        |
| IPI:IPI00719047.1 | 2  | 21.7  | 10.07 | 0.992 | Hypothetical protein                                        |
| IPI:IPI00152527.3 | 1  | 124.1 | 6.52  | 0.991 | DNA helicase HEL308                                         |
| IPI:IPI00010162.1 | 1  | 35.9  | 9.64  | 0.991 | Isoform 2 of Brain mitochondrial carrier protein 1          |
| IPI:IPI00744721.1 | 2  | 49.6  | 9.70  | 0.990 | ALS2CR11 protein (Fragment)                                 |
| IPI:IPI00746169.1 | 1  | 7.4   | 8.22  | 0.990 | 7 kDa protein                                               |
| IPI:IPI00216694.3 | 8  | 70.8  | 5.60  | 0.990 | plastin 3                                                   |
|                   |    |       |       |       | PREDICTED: similar to Ubiquitin carboxyl-terminal hydrolase |
| IPI:IPI00736092.1 | 1  | 46.8  | 6.64  | 0.989 | 24                                                          |
| IPI:IPI00000581.5 | 3  | 31.4  | 5.00  | 0.989 | Hypothetical protein DKFZp564E242                           |
| IPI:IPI00221091.8 | 2  | 14.7  | 10.13 | 0.989 | 40S ribosomal protein S15a                                  |
| IPI:IPI00640741.1 | 4  | 19.0  | 6.92  | 0.989 | 19 kDa protein                                              |
| IPI:IPI00644531.1 | 5  | 21.1  | 7.81  | 0.989 | 21 kDa protein                                              |
| IPI:IPI00307660.4 | 1  | 223.7 | 6.62  | 0.988 | Phospholipase C, epsilon 1                                  |
| IPI:IPI00013508.5 | 26 | 103.0 | 5.41  | 0.986 | Alpha-actinin-1                                             |
| IPI:IPI00651715.2 | 1  | 26.8  | 11.44 | 0.985 | CHST13 protein                                              |
| IPI:IPI00025084.3 | 1  | 28.3  | 5.20  | 0.985 | Calpain small subunit 1                                     |
| IPI:IPI00642777.1 | 3  | 85.9  | 5.81  | 0.985 | 86 kDa protein                                              |
| IPI:IPI00306332.4 | 2  | 17.8  | 11.25 | 0.984 | 60S ribosomal protein L24                                   |
| IPI:IPI00644541.1 | 2  | 30.2  | 9.00  | 0.984 | 30 kDa protein                                              |
| IPI:IPI00413242.2 | 1  | 84.1  | 8.76  | 0.983 | CDNA FLJ37119 fis, clone BRACE2022333                       |
| IPI:IPI00759832.1 | 11 | 27.8  | 4.83  | 0.983 | Isoform Short of 14-3-3 protein beta/alpha                  |
| IPI:IPI00008527.3 | 2  | 11.5  | 4.32  | 0.983 | 60S acidic ribosomal protein P1                             |
| IPI:IPI00465248.5 | 19 | 47.1  | 7.39  | 0.983 | enolase 1                                                   |
| IPI:IPI00382700.1 | 7  | 271.3 | 5.74  | 0.982 | Isoform 6 of Filamin-B                                      |
| IPI:IPI00027157.1 | 5  | 367.4 | 5.06  | 0.982 | CENP-F kinetochore protein                                  |

|                      |       |       |       |                                                              |
|----------------------|-------|-------|-------|--------------------------------------------------------------|
| IPI:IPI00432707.2 1  | 39.1  | 6.13  | 0.982 | CASP12P1                                                     |
| IPI:IPI00556231.1 1  | 24.6  | 7.78  | 0.981 | Hypothetical protein                                         |
| IPI:IPI00384803.1 1  | 15.9  | 5.08  | 0.981 | CDNA FLJ38411 fis, clone FEBRA2009352                        |
| IPI:IPI00216223.1 3  | 119.0 | 7.27  | 0.981 | Isoform Alpha-6X2A of Integrin alpha-6 precursor             |
| IPI:IPI00745661.1 1  | 13.0  | 4.63  | 0.979 | Conserved hypothetical protein                               |
| IPI:IPI00302927.5 1  | 57.8  | 7.83  | 0.979 | T-complex protein 1 subunit delta                            |
| IPI:IPI00301475.5 1  | 46.1  | 10.01 | 0.979 | Galactose-3-O-sulfotransferase 2                             |
| IPI:IPI00163646.1 3  | 307.4 | 5.39  | 0.978 | Protein kinase A anchoring protein Ht31                      |
| IPI:IPI00306984.1 1  | 123.8 | 6.98  | 0.978 | Potassium voltage-gated channel subfamily H member 8         |
| IPI:IPI00220740.1 7  | 29.4  | 4.61  | 0.977 | Isoform 2 of Nucleophosmin                                   |
| IPI:IPI00018871.1 1  | 21.5  | 8.43  | 0.977 | ADP-ribosylation factor-like protein 8B                      |
| IPI:IPI00470692.1 2  | 92.9  | 6.79  | 0.977 | Isoform 1 of Netrin receptor UNC5A precursor                 |
| IPI:IPI00167796.1 1  | 17.2  | 7.71  | 0.977 | Protein C14orf65                                             |
| IPI:IPI00021439.1 19 | 41.7  | 5.48  | 0.977 | Actin, cytoplasmic 1                                         |
| IPI:IPI00171716.3 2  | 270.7 | 6.89  | 0.976 | OTTHUMP00000028696                                           |
| IPI:IPI00419958.4 2  | 79.4  | 5.64  | 0.975 | CASC1 protein                                                |
| IPI:IPI00385055.3 2  | 100.4 | 5.96  | 0.975 | catenin, alpha 2                                             |
| IPI:IPI00003091.1 2  | 125.8 | 5.02  | 0.975 | Isoform 1 of Protein phosphatase 1 regulatory subunit 3A     |
| IPI:IPI00000737.3 1  | 35.4  | 6.06  | 0.975 | Tetraspanin-12                                               |
| IPI:IPI00298547.3 4  | 19.9  | 6.79  | 0.974 | Protein DJ-1                                                 |
| IPI:IPI00009659.3 3  | 36.9  | 5.97  | 0.974 | Protein C20orf77                                             |
| IPI:IPI00028078.1 1  | 59.7  | 8.73  | 0.974 | Isoform A of Potassium channel subfamily K member 10         |
| IPI:IPI00219486.1 1  | 15.1  | 10.89 | 0.974 | Isoform 2 of 40S ribosomal protein S24                       |
| IPI:IPI00640033.1 1  | 12.2  | 10.05 | 0.973 | Hypothetical protein                                         |
| IPI:IPI00414696.1 7  | 36.0  | 8.65  | 0.972 | Isoform A2 of Heterogeneous nuclear ribonucleoproteins A2/B1 |
| IPI:IPI00647334.1 1  | 39.1  | 6.60  | 0.972 | SETMAR protein                                               |
| IPI:IPI00749373.1 1  | 8.1   | 11.12 | 0.971 | 8 kDa protein                                                |
| IPI:IPI00220766.3 1  | 20.6  | 5.47  | 0.971 | Lactoylglutathione lyase                                     |
| IPI:IPI00418823.3 1  | 29.4  | 8.18  | 0.971 | PREDICTED: similar to lactate dehydrogenase A-like 6B        |
| IPI:IPI00013894.1 1  | 62.6  | 6.80  | 0.969 | Stress-induced-phosphoprotein 1                              |

|                   |   |       |       |       |                                                                                                                                                                                       |
|-------------------|---|-------|-------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IPI:IPI00514386.1 | 1 | 80.2  | 6.23  | 0.968 | Novel protein                                                                                                                                                                         |
| IPI:IPI00028116.1 | 1 | 24.5  | 8.62  | 0.968 | ER lumen protein retaining receptor 1                                                                                                                                                 |
| IPI:IPI00398106.1 | 1 | 15.4  | 11.52 | 0.968 | PREDICTED: similar to HlStone family member                                                                                                                                           |
| IPI:IPI00001591.1 | 1 | 14.5  | 8.35  | 0.968 | Apoptosis related protein APR-5 (Fragment)                                                                                                                                            |
| IPI:IPI00003918.5 | 5 | 47.5  | 11.06 | 0.966 | 60S ribosomal protein L4                                                                                                                                                              |
| IPI:IPI00219058.1 | 1 | 69.0  | 6.42  | 0.966 | Isoform 2 of Lethal(3)malignant brain tumor-like 2 protein                                                                                                                            |
| IPI:IPI00218209.1 | 1 | 41.4  | 8.25  | 0.965 | Isoform Short of B2 bradykinin receptor                                                                                                                                               |
| IPI:IPI00010182.3 | 2 | 10.0  | 6.57  | 0.965 | DBI protein                                                                                                                                                                           |
| IPI:IPI00055753.6 | 1 | 43.8  | 9.66  | 0.965 | Methionyl-tRNA formyltransferase, mitochondrial precursor                                                                                                                             |
| IPI:IPI00000839.1 | 3 | 101.8 | 8.82  | 0.965 | Metabotropic glutamate receptor 4 precursor                                                                                                                                           |
| IPI:IPI00738152.1 | 2 | 22.1  | 11.66 | 0.964 | PREDICTED: similar to ribosomal protein L15 isoform 2<br>Isoform 1 of SWI/SNF-related matrix-associated actin-dependent<br>regulator of chromatin subfamily A containing DEAD/H box 1 |
| IPI:IPI00220119.4 | 1 | 117.3 | 5.55  | 0.963 | Tryptophanyl-tRNA synthetase (Fragment)                                                                                                                                               |
| IPI:IPI00383754.1 | 1 | 12.1  | 4.72  | 0.963 | 22 kDa protein                                                                                                                                                                        |
| IPI:IPI00657857.1 | 1 | 21.7  | 8.02  | 0.963 | Isoform 2 of Calumenin precursor                                                                                                                                                      |
| IPI:IPI00045396.1 | 1 | 37.1  | 4.59  | 0.962 | PREDICTED: similar to protein kinase, DNA-activated, catalytic<br>polypeptide                                                                                                         |
| IPI:IPI00736358.1 | 2 | 448.4 | 7.17  | 0.962 | motilin isoform 2 preproprotein                                                                                                                                                       |
| IPI:IPI00746091.1 | 1 | 12.8  | 6.57  | 0.961 | Isoform 2 of Tumor protein D54                                                                                                                                                        |
| IPI:IPI00221178.1 | 1 | 19.9  | 5.48  | 0.961 | Hepatoma-derived growth factor                                                                                                                                                        |
| IPI:IPI00514330.5 | 1 | 25.5  | 4.55  | 0.961 | Elongation factor 2                                                                                                                                                                   |
| IPI:IPI00186290.5 | 9 | 95.1  | 6.83  | 0.960 | Isoform 1 of Myeloid/lymphoid or mixed-lineage leukemia<br>protein 4                                                                                                                  |
| IPI:IPI00218823.3 | 1 | 293.5 | 8.22  | 0.959 | Leucine-rich repeat-containing protein 34                                                                                                                                             |
| IPI:IPI00217826.1 | 2 | 46.4  | 6.52  | 0.959 | plakophilin 4 isoform b                                                                                                                                                               |
| IPI:IPI00747119.1 | 2 | 127.1 | 8.95  | 0.958 | TAR DNA binding protein                                                                                                                                                               |
| IPI:IPI00639819.1 | 1 | 33.4  | 6.55  | 0.957 | Aldo-keto reductase family 1, member B1 variant (Fragment)                                                                                                                            |
| IPI:IPI00556258.1 | 1 | 29.1  | 6.99  | 0.957 | Similar to Elongation factor 1-alpha 1                                                                                                                                                |
| IPI:IPI00180730.1 | 9 | 50.1  | 8.95  | 0.957 | Hypothetical protein FLJ25008                                                                                                                                                         |
| IPI:IPI00065351.3 | 2 | 70.5  | 9.50  | 0.957 |                                                                                                                                                                                       |

|                   |   |       |       |       |                                                                                       |
|-------------------|---|-------|-------|-------|---------------------------------------------------------------------------------------|
| IPI:IPI00030268.4 | 2 | 89.1  | 4.21  | 0.956 | Protein C14orf155                                                                     |
| IPI:IPI00736329.1 | 2 | 410.8 | 5.40  | 0.956 | PREDICTED: piccolo isoform 4                                                          |
| IPI:IPI00376890.5 | 1 | 43.8  | 9.99  | 0.955 | 44 kDa protein                                                                        |
| IPI:IPI00302990.3 | 1 | 42.1  | 4.94  | 0.955 | WD-repeat protein 55                                                                  |
| IPI:IPI00006451.5 | 3 | 82.6  | 6.81  | 0.954 | Vesicle-fusing ATPase                                                                 |
| IPI:IPI00027493.1 | 7 | 57.9  | 5.35  | 0.954 | 4F2 cell-surface antigen heavy chain                                                  |
| IPI:IPI00166002.3 | 1 | 60.1  | 8.73  | 0.953 | PSD3 protein                                                                          |
| IPI:IPI00219950.2 | 3 | 23.7  | 9.11  | 0.953 | Isoform 2 of Proteasome subunit alpha type 7-like                                     |
| IPI:IPI00465048.5 | 3 | 75.0  | 6.51  | 0.953 | RUN and FYVE domain-containing 2                                                      |
|                   |   |       |       |       | PREDICTED: similar to Elongation factor 1-gamma (EF-1-gamma) (eEF-1B gamma) isoform 8 |
| IPI:IPI00739762.1 | 3 | 37.1  | 8.25  | 0.952 | Thyroid receptor-interacting protein 11                                               |
| IPI:IPI00003515.1 | 3 | 227.5 | 5.27  | 0.952 | Protein S100-A11                                                                      |
| IPI:IPI00013895.1 | 6 | 11.7  | 7.12  | 0.952 | CDNA FLJ13840 fis, clone THYRO1000783                                                 |
| IPI:IPI00749001.1 | 1 | 58.5  | 9.77  | 0.951 | Glucose-6-phosphate isomerase                                                         |
| IPI:IPI00027497.4 | 3 | 63.0  | 8.32  | 0.951 | 15 kDa protein                                                                        |
| IPI:IPI00747194.1 | 2 | 15.5  | 8.53  | 0.950 | Enhancer of rudimentary homolog                                                       |
| IPI:IPI00029631.1 | 1 | 12.3  | 5.92  | 0.950 | U2 (RNU2) small nuclear RNA auxiliary factor 2 isoform b                              |
| IPI:IPI00552483.1 | 1 | 53.1  | 9.09  | 0.950 | Collagen, type XII, alpha 1                                                           |
| IPI:IPI00641961.1 | 2 | 315.7 | 5.34  | 0.949 | KIAA1147 protein (Fragment)                                                           |
| IPI:IPI00401193.3 | 1 | 50.9  | 5.36  | 0.949 | Proteasome subunit alpha type 2                                                       |
| IPI:IPI00219622.2 | 1 | 25.8  | 7.43  | 0.948 | Isoform Short of Myosin-9B                                                            |
| IPI:IPI00306933.1 | 4 | 229.2 | 8.51  | 0.948 | 14-3-3 protein gamma                                                                  |
| IPI:IPI00220642.6 | 8 | 28.2  | 4.89  | 0.947 | hypothetical protein LOC80217                                                         |
| IPI:IPI00329556.6 | 3 | 191.9 | 5.99  | 0.947 | Thymidine phosphorylase precursor                                                     |
| IPI:IPI00292858.4 | 1 | 49.9  | 5.53  | 0.947 | Protein S100-A6                                                                       |
| IPI:IPI00027463.1 | 6 | 10.2  | 5.48  | 0.946 | Isoform 2 of Short transient receptor potential channel 6                             |
| IPI:IPI00220552.1 | 1 | 93.1  | 6.43  | 0.945 | 40S ribosomal protein S16                                                             |
| IPI:IPI00221092.7 | 2 | 16.3  | 10.21 | 0.944 | 76 kDa protein                                                                        |
| IPI:IPI00639893.1 | 2 | 76.0  | 5.64  | 0.944 | YKT6 v-SNARE protein                                                                  |
| IPI:IPI00008569.1 | 1 | 22.4  | 6.92  | 0.944 |                                                                                       |

|                   |    |       |       |       |                                                                                  |
|-------------------|----|-------|-------|-------|----------------------------------------------------------------------------------|
| IPI:IPI00032633.4 | 2  | 50.8  | 7.30  | 0.944 | Ubiquinone biosynthesis monooxygenase COQ6                                       |
| IPI:IPI00166767.3 | 1  | 58.6  | 9.29  | 0.944 | Isoform 1 of F-box/LRR-repeat protein 6                                          |
| IPI:IPI00219757.1 | 12 | 23.2  | 5.64  | 0.944 | Glutathione S-transferase P                                                      |
| IPI:IPI00640338.1 | 2  | 25.2  | 6.23  | 0.942 | 25 kDa protein                                                                   |
| IPI:IPI00017964.1 | 1  | 13.9  | 10.32 | 0.941 | Small nuclear ribonucleoprotein Sm D3                                            |
| IPI:IPI00479186.4 | 25 | 57.9  | 7.84  | 0.940 | pyruvate kinase 3 isoform 1                                                      |
| IPI:IPI00003377.1 | 2  | 27.4  | 11.82 | 0.940 | Isoform 1 of Splicing factor, arginine/serine-rich 7                             |
| IPI:IPI00457093.2 | 1  | 14.2  | 7.14  | 0.940 | PREDICTED: similar to peptidylprolyl isomerase A isoform 1                       |
| IPI:IPI00397484.3 | 1  | 18.0  | 9.01  | 0.939 | Zinc finger CCHC domain-containing protein 13                                    |
| IPI:IPI00009342.1 | 9  | 189.1 | 6.48  | 0.938 | Ras GTPase-activating-like protein IQGAP1                                        |
| IPI:IPI00748761.1 | 1  | 154.8 | 5.67  | 0.938 | Protein kinase PKN/PRK1, effector domain containing protein                      |
| IPI:IPI00642308.1 | 1  | 151.9 | 6.79  | 0.937 | 152 kDa protein                                                                  |
| IPI:IPI00640929.1 | 1  | 10.4  | 5.48  | 0.936 | 10 kDa protein                                                                   |
| IPI:IPI00024603.8 | 1  | 51.7  | 8.21  | 0.936 | bruno-like 4, RNA binding protein                                                |
| IPI:IPI00643014.1 | 2  | 573.5 | 6.04  | 0.936 | retinoblastoma-associated factor 600                                             |
| IPI:IPI00010720.1 | 1  | 59.6  | 5.66  | 0.936 | T-complex protein 1 subunit epsilon                                              |
| IPI:IPI00293305.1 | 1  | 87.4  | 5.53  | 0.934 | Isoform Beta-1B of Integrin beta-1 precursor                                     |
| IPI:IPI00297289.5 | 3  | 146.6 | 9.22  | 0.933 | Ubiquitin-specific proteinase 31                                                 |
| IPI:IPI00215943.1 | 51 | 517.7 | 5.73  | 0.932 | Isoform 3 of Plectin-1                                                           |
| IPI:IPI00305383.1 | 5  | 48.4  | 8.63  | 0.931 | Ubiquinol-cytochrome-c reductase complex core protein 2, mitochondrial precursor |
| IPI:IPI00221093.6 | 1  | 15.4  | 9.85  | 0.931 | 40S ribosomal protein S17                                                        |
| IPI:IPI00007765.5 | 6  | 73.6  | 6.16  | 0.930 | Stress-70 protein, mitochondrial precursor                                       |
| IPI:IPI00063408.6 | 2  | 103.0 | 6.93  | 0.929 | dehydrogenase E1 and transketolase domain containing protein 1                   |
| IPI:IPI00642681.1 | 1  | 6.3   | 10.18 | 0.929 | 6 kDa protein                                                                    |
| IPI:IPI00470433.1 | 1  | 30.1  | 9.32  | 0.927 | Multiple myeloma SET domain containing protein type III                          |
| IPI:IPI00647859.1 | 1  | 39.0  | 5.03  | 0.927 | Similar to Aminopeptidase B                                                      |
| IPI:IPI00743093.1 | 2  | 6.4   | 9.50  | 0.927 | Similar to Transcription repressor                                               |
| IPI:IPI00386903.2 | 1  | 23.8  | 9.82  | 0.926 | Isoform 2 of NUAKE family, SNF1-like kinase 1                                    |
| IPI:IPI00238077.4 | 1  | 93.1  | 8.54  | 0.924 | SH3 domain containing ring finger 1                                              |

|                      |       |       |       |                                                           |
|----------------------|-------|-------|-------|-----------------------------------------------------------|
| IPI:IPI00742941.1 1  | 13.1  | 12.09 | 0.924 | 13 kDa protein                                            |
| IPI:IPI00014850.4 1  | 15.0  | 5.02  | 0.924 | Astrocytic phosphoprotein PEA-15                          |
| IPI:IPI00646801.1 1  | 15.8  | 7.43  | 0.923 | Protein-O-mannosyltransferase 1                           |
| IPI:IPI00174391.2 1  | 115.1 | 8.91  | 0.922 | PREDICTED: similar to chromosome 9 open reading frame 36  |
| IPI:IPI00216691.4 6  | 14.9  | 8.27  | 0.922 | Profilin-1                                                |
| IPI:IPI00025366.4 1  | 51.7  | 8.32  | 0.922 | Citrate synthase, mitochondrial precursor                 |
| IPI:IPI00554497.1 2  | 160.7 | 7.02  | 0.921 | Isoform 3 of Nance-Horan syndrome protein                 |
| IPI:IPI00374151.1 1  | 25.8  | 7.46  | 0.921 | peroxiredoxin 3 isoform b                                 |
| IPI:IPI00414750.2 1  | 27.7  | 8.29  | 0.921 | Keratin-associated protein 24-1                           |
| IPI:IPI00419098.1 1  | 14.2  | 8.65  | 0.920 | RPL12 protein                                             |
| IPI:IPI00514561.1 3  | 47.5  | 5.63  | 0.920 | Heterogeneous nuclear ribonucleoprotein K                 |
| IPI:IPI00640197.1 2  | 139.7 | 6.52  | 0.918 | Tripeptidyl peptidase II                                  |
| IPI:IPI00553164.3 2  | 32.7  | 4.87  | 0.918 | 40S ribosomal protein SA                                  |
| IPI:IPI00455757.1 1  | 13.8  | 10.78 | 0.918 | PREDICTED: similar to 60S ribosomal protein L35 isoform 1 |
| IPI:IPI00552590.1 2  | 53.3  | 7.27  | 0.918 | chaperonin containing TCP1, subunit 6A isoform b          |
| IPI:IPI00552715.1 1  | 56.4  | 6.49  | 0.917 | chaperonin containing TCP1, subunit 3 isoform c           |
| IPI:IPI00412224.2 1  | 136.6 | 6.92  | 0.916 | Bromodomain and WD-repeat domain-containing protein 2     |
| IPI:IPI00297702.2 1  | 45.6  | 8.19  | 0.916 | LOC51136 protein                                          |
|                      |       |       |       | PREDICTED: TAF4b RNA polymerase II, TATA box binding      |
| IPI:IPI00023258.4 1  | 118.3 | 9.38  | 0.916 | protein (TBP)-associated factor, 105kDa                   |
| IPI:IPI00738829.1 3  | 238.0 | 4.64  | 0.916 | PREDICTED: similar to retinitis pigmentosa 1-like 1       |
| IPI:IPI00003865.1 19 | 70.9  | 5.52  | 0.914 | Isoform 1 of Heat shock cognate 71 kDa protein            |
| IPI:IPI00736509.1 3  | 21.3  | 10.49 | 0.914 | PREDICTED: similar to 60S ribosomal protein L7 isoform 2  |
| IPI:IPI00218474.4 6  | 46.8  | 7.71  | 0.913 | Beta-enolase                                              |
| IPI:IPI00740800.1 3  | 25.9  | 6.32  | 0.913 | Similar to Phosphoglycerate mutase 1                      |
| IPI:IPI00642700.1 1  | 15.8  | 5.78  | 0.912 | OTTHUMP00000030685                                        |
| IPI:IPI00514669.1 1  | 9.4   | 9.36  | 0.912 | SH3 domain binding glutamic acid-rich protein like 3      |
| IPI:IPI00028006.1 2  | 22.8  | 7.02  | 0.911 | Proteasome subunit beta type 2                            |
| IPI:IPI00746974.1 1  | 8.4   | 9.61  | 0.910 | PEA15 protein                                             |
| IPI:IPI00472421.1 1  | 113.1 | 5.12  | 0.909 | serine/threonine kinase 31 isoform b                      |



|                   |    |       |       |       |                                                                 |
|-------------------|----|-------|-------|-------|-----------------------------------------------------------------|
| IPI:IPI00657759.1 | 1  | 95.0  | 7.24  | 0.909 | Protein                                                         |
| IPI:IPI00465256.3 | 1  | 25.4  | 9.16  | 0.908 | GTP:AMP phosphotransferase mitochondrial                        |
| IPI:IPI00008274.5 | 7  | 51.5  | 8.02  | 0.907 | Adenylyl cyclase-associated protein 1                           |
| IPI:IPI00641337.2 | 1  | 40.3  | 8.00  | 0.907 | Leukocyte immunoglobulin-like receptor A3                       |
| IPI:IPI00176482.6 | 2  | 131.1 | 8.34  | 0.907 | highly similar to Human G2 protein                              |
| IPI:IPI00411704.8 | 3  | 16.7  | 5.24  | 0.906 | Eukaryotic translation initiation factor 5A-1                   |
| IPI:IPI00031562.2 | 7  | 14.0  | 11.05 | 0.906 | Histone H2A type 3                                              |
| IPI:IPI00290928.2 | 1  | 44.0  | 8.00  | 0.905 | Guanine nucleotide-binding protein alpha-13 subunit             |
| IPI:IPI00647746.1 | 1  | 34.0  | 9.74  | 0.904 | OTTHUMP00000021341                                              |
| IPI:IPI00172421.6 | 1  | 17.9  | 4.48  | 0.904 | Isoform 2 of S-phase kinase-associated protein 1A               |
| IPI:IPI00174847.5 | 1  | 40.8  | 7.59  | 0.903 | Putative glycosyltransferase                                    |
| IPI:IPI00744735.1 | 2  | 141.6 | 8.06  | 0.903 | IMP dehydrogenase/GMP reductase family protein                  |
| IPI:IPI00002547.1 | 1  | 74.5  | 7.05  | 0.903 | Calpain-6                                                       |
| IPI:IPI00555576.1 | 1  | 144.6 | 7.03  | 0.902 | 145 kDa protein                                                 |
| IPI:IPI00550069.2 | 1  | 49.8  | 4.82  | 0.901 | Ribonuclease inhibitor                                          |
| IPI:IPI00026781.2 | 3  | 273.2 | 6.43  | 0.901 | Fatty acid synthase                                             |
| IPI:IPI00644989.1 | 3  | 48.1  | 5.08  | 0.900 | Protein disulfide-isomerase A6 precursor                        |
| IPI:IPI00293665.6 | 26 | 59.8  | 8.00  | 0.900 | Keratin, type II cytoskeletal 6B                                |
| IPI:IPI00293616.3 | 1  | 73.1  | 7.55  | 0.900 | ATP-dependent RNA helicase DDX3Y                                |
| IPI:IPI00008475.1 | 3  | 57.3  | 5.41  | 0.898 | Hydroxymethylglutaryl-CoA synthase, cytoplasmic                 |
| IPI:IPI00166974.3 | 1  | 36.6  | 6.04  | 0.898 | aryl hydrocarbon receptor interacting protein-like 1 isoform 2  |
| IPI:IPI00744370.1 | 2  | 26.4  | 5.16  | 0.898 | Proline/glutamine-rich splicing factor                          |
| IPI:IPI00007193.5 | 3  | 196.3 | 5.72  | 0.897 | Ankyrin repeat domain-containing protein 26                     |
| IPI:IPI00256795.1 | 1  | 46.4  | 6.30  | 0.897 | cation channel, sperm associated 3                              |
| IPI:IPI00219219.2 | 1  | 14.6  | 5.50  | 0.897 | Galectin-1                                                      |
| IPI:IPI00550900.1 | 2  | 19.6  | 4.93  | 0.896 | Translationally-controlled tumor protein                        |
| IPI:IPI00400963.2 | 1  | 109.1 | 8.35  | 0.896 | CDNA FLJ44101 fis, clone TESTI4043947                           |
|                   |    |       |       |       | Mitogen activated protein kinase 7 transcript variant 5 variant |
|                   |    |       |       |       | (Fragment)                                                      |
| IPI:IPI00555640.1 | 1  | 50.4  | 7.12  | 0.894 |                                                                 |
| IPI:IPI00412601.3 | 1  | 67.8  | 5.15  | 0.894 | Isoform 2D of Cytoplasmic dynein 1 intermediate chain 2         |

|                   |    |       |       |       |                                                                                  |
|-------------------|----|-------|-------|-------|----------------------------------------------------------------------------------|
| IPI:IPI00401191.3 | 2  | 146.0 | 9.19  | 0.892 | Ubinuclein-2                                                                     |
| IPI:IPI00550232.1 | 1  | 379.0 | 6.39  | 0.891 | CMYA3                                                                            |
| IPI:IPI00643741.2 | 1  | 323.8 | 6.92  | 0.891 | Isoform 2 of Chromodomain-helicase-DNA-binding protein 9                         |
| IPI:IPI00420049.2 | 1  | 71.9  | 7.30  | 0.891 | PREDICTED: hypothetical protein LOC84808                                         |
| IPI:IPI00739497.1 | 1  | 93.4  | 7.24  | 0.891 | PREDICTED: hypothetical protein LOC79834 isoform 2                               |
| IPI:IPI00743902.1 | 1  | 7.2   | 8.72  | 0.890 | Similar to Laminin alpha-2 chain precursor                                       |
| IPI:IPI00465439.4 | 9  | 39.3  | 8.09  | 0.890 | Fructose-bisphosphate aldolase A                                                 |
| IPI:IPI00746370.1 | 2  | 56.7  | 8.82  | 0.888 | Synapsin II                                                                      |
| IPI:IPI00019502.2 | 37 | 226.3 | 5.60  | 0.888 | Myosin-9                                                                         |
| IPI:IPI00759657.1 | 1  | 80.8  | 6.07  | 0.888 | phospholipase A2-activating protein isoform 2                                    |
| IPI:IPI00643490.1 | 1  | 59.2  | 5.63  | 0.887 | Hypothetical protein DKFZp779G2333                                               |
| IPI:IPI00215719.5 | 1  | 21.5  | 11.72 | 0.887 | 60S ribosomal protein L18                                                        |
| IPI:IPI00414964.2 | 1  | 12.5  | 9.92  | 0.887 | 12 kDa protein                                                                   |
| IPI:IPI00027485.3 | 1  | 25.1  | 6.15  | 0.886 | Eukaryotic translation initiation factor 4E                                      |
| IPI:IPI00004358.3 | 4  | 96.5  | 6.86  | 0.886 | Glycogen phosphorylase, brain form                                               |
| IPI:IPI00549357.2 | 1  | 53.8  | 7.78  | 0.886 | FAD-dependent oxidoreductase domain containing 1                                 |
| IPI:IPI00479296.1 | 3  | 179.1 | 7.18  | 0.885 | ATP-binding cassette, sub-family A member 8                                      |
| IPI:IPI00444537.1 | 1  | 14.3  | 11.31 | 0.885 | CDNA FLJ45398 fis, clone BRHIP3027947                                            |
| IPI:IPI00449669.2 | 2  | 29.4  | 4.61  | 0.885 | Isoform 2 of Translocon-associated protein alpha subunit precursor (ER membrane) |
| IPI:IPI00183572.3 | 3  | 174.0 | 7.02  | 0.884 | Dedicator of cytokinesis protein 7, guanine nucleotide exchange factor           |
| IPI:IPI00030915.1 | 1  | 127.4 | 8.51  | 0.884 | Ubiquitin carboxyl-terminal hydrolase 8                                          |
| IPI:IPI00383449.2 | 3  | 23.5  | 9.95  | 0.884 | Ras-related protein Rab-15                                                       |
| IPI:IPI00017339.1 | 1  | 44.4  | 8.56  | 0.883 | Splicing factor 3B subunit 4                                                     |
| IPI:IPI00748411.1 | 2  | 52.9  | 9.31  | 0.882 | Serine hydroxymethyltransferase (interconversion of serine and glycine)          |
| IPI:IPI00219206.1 | 1  | 20.1  | 5.48  | 0.882 | Isoform 2 of Receptor tyrosine-protein kinase erbB-3 precursor                   |
| IPI:IPI00218060.1 | 1  | 34.1  | 5.47  | 0.882 | MRDS1 protein (Fragment)                                                         |
| IPI:IPI00024674.1 | 1  | 44.3  | 8.07  | 0.881 | Dual specificity mitogen-activated protein kinase kinase 4                       |

|                      |       |       |       |                                                              |
|----------------------|-------|-------|-------|--------------------------------------------------------------|
| IPI:IPI00748243.1 1  | 5.3   | 9.10  | 0.881 | Similar to PinX1                                             |
| IPI:IPI00218845.3 1  | 133.1 | 7.27  | 0.880 | Nitric-oxide synthase, endothelial                           |
| IPI:IPI00641950.3 3  | 37.9  | 8.24  | 0.879 | Lung cancer oncogene 7                                       |
| IPI:IPI00256376.5 2  | 32.6  | 8.65  | 0.879 | Enoyl Coenzyme A hydratase domain containing 3 variant       |
| IPI:IPI00019326.1 2  | 19.4  | 5.83  | 0.878 | Adrenodoxin, mitochondrial precursor                         |
| IPI:IPI00298731.2 2  | 99.0  | 9.17  | 0.878 | Serine/threonine-protein phosphatase 1 regulatory subunit 10 |
| IPI:IPI00220339.2 1  | 127.0 | 8.07  | 0.877 | Similar to Nitric oxide synthase, inducible                  |
| IPI:IPI00749490.1 1  | 10.0  | 6.51  | 0.877 | Similar to Smage-3 protein                                   |
| IPI:IPI00719622.1 1  | 7.8   | 10.70 | 0.877 | 40S ribosomal protein S28                                    |
| IPI:IPI00010951.1 6  | 552.8 | 5.59  | 0.877 | Epiplakin (450 kDa epidermal antigen)                        |
| IPI:IPI00643041.2 1  | 24.3  | 7.49  | 0.877 | GTP-binding nuclear protein Ran                              |
| IPI:IPI00744741.1 1  | 8.3   | 9.20  | 0.876 | Similar to Ribosomal protein                                 |
| IPI:IPI00479418.2 1  | 29.2  | 10.43 | 0.876 | PREDICTED: similar to 60S ribosomal protein L7a              |
| IPI:IPI00465028.6 12 | 30.5  | 5.71  | 0.875 | Triosephosphate isomerase                                    |
| IPI:IPI00029623.1 2  | 27.4  | 6.76  | 0.875 | Proteasome subunit alpha type 6                              |
| IPI:IPI00000877.1 2  | 111.3 | 5.22  | 0.875 | 150 kDa oxygen-regulated protein precursor                   |
| IPI:IPI00455383.3 14 | 187.6 | 5.69  | 0.875 | Isoform 2 of Clathrin heavy chain 1                          |
| IPI:IPI00216684.1 1  | 48.8  | 7.55  | 0.874 | Isoform 4 of M-phase inducer phosphatase 3                   |
| IPI:IPI00413922.3 7  | 16.8  | 4.55  | 0.874 | Isoform Smooth muscle of Myosin light polypeptide 6          |
| IPI:IPI00161614.3 2  | 162.9 | 6.01  | 0.874 | A-kinase anchor protein 11 isoform 2                         |
| IPI:IPI00645078.1 4  | 117.8 | 5.76  | 0.873 | Ubiquitin-activating enzyme E1                               |
| IPI:IPI00240345.3 1  | 51.6  | 6.35  | 0.873 | C-type lectin domain family 14 member A precursor            |
| IPI:IPI00027230.3 5  | 92.4  | 4.84  | 0.873 | Endoplasmin precursor (Tumor rejection antigen 1)            |
| IPI:IPI00216484.4 1  | 75.6  | 5.49  | 0.873 | Hypothetical protein ARMC9                                   |
| IPI:IPI00409719.1 1  | 66.1  | 8.81  | 0.872 | Isoform 2 of 72 kDa inositol polyphosphate 5-phosphatase     |
| IPI:IPI00513933.1 1  | 14.7  | 9.23  | 0.872 | Novel protein                                                |
| IPI:IPI00217692.4 1  | 81.5  | 5.16  | 0.872 | PCDH21 protein                                               |
| IPI:IPI00103335.1 2  | 109.6 | 7.33  | 0.870 | Glutamate receptor ionotropic, kainate 5                     |
| IPI:IPI00741244.1 1  | 64.1  | 5.73  | 0.869 | PREDICTED: hypothetical protein LOC90379 isoform 2           |
| IPI:IPI00744148.1 4  | 39.0  | 9.83  | 0.869 | Isoform 1 of Core histone macro-H2A.1                        |

|                     |       |       |       |                                                                                                                           |
|---------------------|-------|-------|-------|---------------------------------------------------------------------------------------------------------------------------|
| IPI:IPI00013415.1 3 | 22.1  | 10.10 | 0.868 | 40S ribosomal protein S7                                                                                                  |
| IPI:IPI00640400.2 1 | 66.3  | 8.65  | 0.868 | carnitine palmitoyltransferase 1B isoform b                                                                               |
| IPI:IPI00027003.1 1 | 57.0  | 8.51  | 0.868 | Probable G-protein coupled receptor 176<br>PREDICTED: similar to Zinc finger protein 443 (Kruppel-type                    |
| IPI:IPI00647241.1 1 | 74.5  | 9.06  | 0.868 | zinc finger protein ZK1) isoform 1                                                                                        |
| IPI:IPI00759596.1 4 | 27.8  | 4.69  | 0.868 | Heterogeneous nuclear ribonucleoproteins C1/C2                                                                            |
| IPI:IPI00337802.3 3 | 100.9 | 7.71  | 0.867 | Disheveled-associated activator of morphogenesis 1                                                                        |
| IPI:IPI00007188.4 7 | 32.7  | 9.74  | 0.866 | ADP/ATP translocase 2                                                                                                     |
| IPI:IPI00719280.1 8 | 25.7  | 7.43  | 0.866 | ubiquitin B precursor                                                                                                     |
| IPI:IPI00013916.1 1 | 34.8  | 7.65  | 0.866 | Olfactory receptor 1F1                                                                                                    |
| IPI:IPI00174082.1 1 | 26.6  | 5.03  | 0.866 | Conserved hypothetical protein<br>1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta                          |
| IPI:IPI00301480.5 1 | 134.4 | 6.42  | 0.865 | 2                                                                                                                         |
| IPI:IPI00645085.2 1 | 14.8  | 6.92  | 0.864 | PREDICTED: similar to Von Ebners gland protein precursor<br>Dolichyl-diphosphooligosaccharide-protein glycosyltransferase |
| IPI:IPI00025874.2 4 | 72.7  | 6.28  | 0.864 | 67 kDa subunit precursor (Ribophorin I)                                                                                   |
| IPI:IPI00550239.3 4 | 20.7  | 10.84 | 0.863 | Histone H1.0                                                                                                              |
| IPI:IPI00020599.1 7 | 48.1  | 4.44  | 0.862 | Calreticulin precursor                                                                                                    |
| IPI:IPI00022977.1 1 | 42.6  | 5.59  | 0.862 | Creatine kinase B-type<br>Isoform 2 of Ganglioside-induced differentiation-associated                                     |
| IPI:IPI00028723.1 1 | 16.4  | 5.30  | 0.862 | protein 1-like 1                                                                                                          |
| IPI:IPI00012503.1 2 | 58.1  | 5.17  | 0.861 | Isoform Sap-mu-0 of Proactivator polypeptide precursor                                                                    |
| IPI:IPI00027442.3 2 | 106.7 | 5.49  | 0.861 | Alanyl-tRNA synthetase                                                                                                    |
| IPI:IPI00002821.3 2 | 23.1  | 10.93 | 0.860 | 60S ribosomal protein L14<br>Similar to Dual specificity mitogen-activated protein kinase                                 |
| IPI:IPI00745191.1 1 | 18.5  | 5.62  | 0.859 | kinase 4                                                                                                                  |
| IPI:IPI00747893.1 1 | 26.1  | 9.66  | 0.858 | Similar to DGCR14 protein                                                                                                 |
| IPI:IPI00643237.1 3 | 15.4  | 8.59  | 0.858 | Uncharacterized 15 kDa protein<br>Interleukin enhancer binding factor 3 isoform c variant                                 |
| IPI:IPI00556364.1 1 | 50.1  | 6.64  | 0.857 | (Fragment)                                                                                                                |

|                   |    |       |       |       |                                                              |
|-------------------|----|-------|-------|-------|--------------------------------------------------------------|
| IPI:IPI00479306.1 | 1  | 28.5  | 6.92  | 0.857 | proteasome beta 5 subunit                                    |
| IPI:IPI00217975.3 | 1  | 66.2  | 5.16  | 0.856 | Lamin-B1                                                     |
| IPI:IPI00643932.1 | 19 | 70.0  | 5.66  | 0.856 | heat shock 70kDa protein 1B                                  |
| IPI:IPI00219525.9 | 1  | 53.0  | 7.23  | 0.855 | 6-phosphogluconate dehydrogenase, decarboxylating            |
| IPI:IPI00419585.8 | 9  | 17.9  | 7.81  | 0.855 | Peptidyl-prolyl cis-trans isomerase A                        |
| IPI:IPI00301699.1 | 1  | 17.0  | 9.23  | 0.854 | Isoform 2 of Protein C6orf54                                 |
| IPI:IPI00003362.2 | 18 | 72.4  | 5.16  | 0.854 | 78 kDa glucose-regulated protein                             |
| IPI:IPI00328736.5 | 3  | 293.2 | 7.66  | 0.854 | ATP-binding cassette sub-family A member 12                  |
| IPI:IPI00642107.3 | 1  | 40.8  | 7.52  | 0.854 | FNBP1 protein (Fragment)                                     |
| IPI:IPI00026154.1 | 1  | 59.3  | 4.41  | 0.853 | Glucosidase 2 beta subunit precursor                         |
| IPI:IPI00744939.1 | 2  | 26.1  | 9.79  | 0.853 | Protein DBF4 homolog (Activator of S phase kinase)           |
| IPI:IPI00013808.1 | 22 | 104.8 | 5.44  | 0.853 | Alpha-actinin-4                                              |
| IPI:IPI00375631.5 | 1  | 17.7  | 7.44  | 0.853 | Interferon-induced 17 kDa protein precursor                  |
| IPI:IPI00015148.3 | 2  | 20.8  | 5.78  | 0.852 | Ras-related protein Rap-1b precursor                         |
| IPI:IPI00428719.1 | 1  | 12.6  | 10.36 | 0.852 | FP18315                                                      |
| IPI:IPI00011253.3 | 8  | 26.7  | 9.66  | 0.851 | 40S ribosomal protein S3                                     |
| IPI:IPI00375380.3 | 1  | 39.8  | 6.30  | 0.850 | proteasome 26S non-ATPase subunit 13 isoform 2               |
| IPI:IPI00641363.1 | 3  | 279.5 | 5.05  | 0.848 | Spectrin, alpha, erythrocytic 1 (red blood cell membrane)    |
| IPI:IPI00016342.1 | 4  | 23.5  | 6.70  | 0.848 | Ras-related protein Rab-7                                    |
|                   |    |       |       |       | papillary renal cell carcinoma translocation-associated gene |
| IPI:IPI00399306.1 | 1  | 48.9  | 5.50  | 0.847 | product isoform 2                                            |
| IPI:IPI00339269.1 | 6  | 71.0  | 6.14  | 0.846 | Heat shock 70 kDa protein 6                                  |
| IPI:IPI00068653.1 | 1  | 32.0  | 8.85  | 0.846 | CGI-93 protein                                               |
| IPI:IPI00375513.3 | 1  | 24.4  | 5.33  | 0.845 | Isoform Soluble of Catechol O-methyltransferase              |
| IPI:IPI00220143.2 | 2  | 209.6 | 5.48  | 0.845 | Maltase-glucoamylase, intestinal                             |
| IPI:IPI00657680.1 | 11 | 54.9  | 6.86  | 0.844 | Uncharacterized 55 kDa protein                               |
| IPI:IPI00056318.3 | 1  | 24.0  | 4.21  | 0.844 | Protein C6orf51                                              |
| IPI:IPI00644359.1 | 3  | 104.7 | 6.51  | 0.843 | Uncharacterized 105 kDa protein                              |
| IPI:IPI00002501.1 | 2  | 29.2  | 8.37  | 0.842 | Cyclic AMP-dependent transcription factor ATF-1              |
| IPI:IPI00027717.1 | 1  | 119.9 | 6.09  | 0.841 | Component of gems 4                                          |

|                   |    |       |       |                                                         |                                                                                                                                |
|-------------------|----|-------|-------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
|                   |    |       |       | PREDICTED: similar to transcription elongation factor B |                                                                                                                                |
| IPI:IPI00455843.1 | 1  | 63.9  | 9.00  | 0.841                                                   | polypeptide 3 binding protein 1                                                                                                |
| IPI:IPI00051746.5 | 2  | 36.1  | 8.32  | 0.840                                                   | Olfactory receptor OR14-37                                                                                                     |
| IPI:IPI00002186.3 | 1  | 202.0 | 6.49  | 0.840                                                   | Brefeldin A-inhibited guanine nucleotide-exchange protein 2<br>Isoform 2 of Low-density lipoprotein receptor-related protein 8 |
| IPI:IPI00410272.2 | 1  | 77.8  | 5.03  | 0.839                                                   | precursor                                                                                                                      |
| IPI:IPI00641694.1 | 1  | 61.3  | 8.31  | 0.839                                                   | Ariadne-1 protein homolog variant (Fragment)                                                                                   |
| IPI:IPI00220989.1 | 1  | 54.3  | 9.52  | 0.838                                                   | Isoform 2 of Transcription factor SOX-30                                                                                       |
| IPI:IPI00010796.1 | 5  | 57.1  | 4.87  | 0.838                                                   | Protein disulfide-isomerase precursor                                                                                          |
| IPI:IPI00643454.1 | 1  | 53.4  | 8.95  | 0.835                                                   | Chromosome 9 open reading frame 93                                                                                             |
| IPI:IPI00383867.1 | 1  | 76.1  | 5.59  | 0.835                                                   | Polycystic kidney disease 2 related protein (Fragment)<br>Similar to Receptor-type tyrosine-protein phosphatase V              |
| IPI:IPI00746031.1 | 1  | 58.7  | 8.44  | 0.834                                                   | precursor                                                                                                                      |
| IPI:IPI00005826.1 | 5  | 527.1 | 6.27  | 0.834                                                   | E3 ubiquitin-protein ligase HERC2<br>Mitochondrial protein with oncostatic activity (mitostatin, tumor                         |
| IPI:IPI00031104.4 | 3  | 61.1  | 6.54  | 0.834                                                   | suppressor protein)                                                                                                            |
| IPI:IPI00642267.1 | 1  | 28.6  | 10.17 | 0.833                                                   | RPL3 protein                                                                                                                   |
| IPI:IPI00743966.1 | 1  | 5.6   | 8.19  | 0.833                                                   | Similar to Myosin light chain kinase, smooth muscle                                                                            |
| IPI:IPI00651769.1 | 2  | 126.6 | 5.63  | 0.832                                                   | Myelin transcription factor 1-like protein                                                                                     |
| IPI:IPI00028954.1 | 1  | 218.3 | 6.39  | 0.832                                                   | 80 kda MCM3-associated protein                                                                                                 |
| IPI:IPI00478002.1 | 3  | 31.3  | 9.92  | 0.831                                                   | Uncharacterized 31 kDa protein                                                                                                 |
| IPI:IPI00215918.2 | 4  | 20.4  | 7.14  | 0.831                                                   | ADP-ribosylation factor 4                                                                                                      |
| IPI:IPI00745471.1 | 11 | 966.1 | 5.55  | 0.830                                                   | Spectrin-like protein of the nuclear envelope and Golgi                                                                        |
| IPI:IPI00333264.7 | 2  | 93.4  | 7.06  | 0.829                                                   | Protein kinase A-anchoring protein 4, sperm motility                                                                           |
| IPI:IPI00736299.1 | 2  | 118.2 | 7.96  | 0.824                                                   | Uncharacterized protein, similar to C28H8.3 isoform 8                                                                          |
| IPI:IPI00440493.2 | 9  | 59.7  | 9.13  | 0.824                                                   | ATP synthase alpha chain, mitochondrial precursor                                                                              |
| IPI:IPI00647546.1 | 1  | 16.1  | 11.09 | 0.823                                                   | 16 kDa protein                                                                                                                 |
| IPI:IPI00005159.3 | 2  | 44.7  | 6.74  | 0.823                                                   | Actin-like protein 2                                                                                                           |
| IPI:IPI00607647.1 | 1  | 35.5  | 9.14  | 0.823                                                   | Stomatin-like 1                                                                                                                |
| IPI:IPI00217490.3 | 1  | 132.8 | 5.95  | 0.822                                                   | Factor for adipocyte differentiation 104 variant (Fragment)                                                                    |

|                   |    |       |       |       |                                                                                            |
|-------------------|----|-------|-------|-------|--------------------------------------------------------------------------------------------|
| IPI:IPI00645646.1 | 5  | 17.3  | 9.74  | 0.822 | Solute carrier family 25                                                                   |
| IPI:IPI00167909.4 | 1  | 95.1  | 7.12  | 0.822 | EML3 protein                                                                               |
| IPI:IPI00220364.1 | 1  | 49.0  | 7.09  | 0.822 | Isoform Short of Mothers against decapentaplegic homolog 2                                 |
| IPI:IPI00184409.6 | 1  | 63.4  | 7.11  | 0.821 | Hypothetical protein DKFZp762G2015                                                         |
| IPI:IPI00419880.5 | 2  | 29.8  | 9.73  | 0.821 | 40S ribosomal protein S3a                                                                  |
| IPI:IPI00640930.1 | 1  | 22.4  | 9.36  | 0.820 | 22 kDa protein                                                                             |
| IPI:IPI00219018.6 | 15 | 35.9  | 8.46  | 0.819 | Glyceraldehyde-3-phosphate dehydrogenase                                                   |
| IPI:IPI00013146.1 | 1  | 41.3  | 7.90  | 0.818 | Mitochondrial 28S ribosomal protein S22                                                    |
|                   |    |       |       |       | Serine/threonine-protein phosphatase 2A 72/130 kDa regulatory subunit B                    |
| IPI:IPI00029144.1 | 2  | 130.2 | 5.21  | 0.818 |                                                                                            |
| IPI:IPI00008529.1 | 2  | 11.7  | 4.54  | 0.817 | 60S acidic ribosomal protein P2                                                            |
| IPI:IPI00465431.6 | 2  | 26.0  | 8.56  | 0.817 | Galectin-3                                                                                 |
| IPI:IPI00292892.3 | 1  | 146.1 | 6.61  | 0.816 | KIAA1403 protein (Fragment)                                                                |
| IPI:IPI00411715.2 | 1  | 44.2  | 8.50  | 0.814 | Isoform 2 of Nuclear factor NF-kappa-B p100 subunit                                        |
| IPI:IPI00043669.1 | 1  | 32.1  | 9.74  | 0.813 | CDNA FLJ30870 fis, clone FEBRA2004237                                                      |
| IPI:IPI00001451.1 | 1  | 87.0  | 4.87  | 0.813 | Protocadherin beta 11 precursor                                                            |
| IPI:IPI00642345.1 | 1  | 36.0  | 9.01  | 0.813 | LIM homeobox 9                                                                             |
| IPI:IPI00335706.4 | 1  | 26.5  | 5.73  | 0.813 | Isoform 2 of Dual specificity protein phosphatase 6                                        |
| IPI:IPI00295098.3 | 1  | 29.7  | 9.04  | 0.813 | Signal recognition particle receptor beta subunit                                          |
| IPI:IPI00641837.1 | 1  | 27.3  | 9.10  | 0.812 | 27 kDa protein                                                                             |
| IPI:IPI00465070.6 | 8  | 15.3  | 11.12 | 0.812 | Histone H3.1                                                                               |
|                   |    |       |       |       | ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit F2 isoform 2d |
| IPI:IPI00719814.1 | 1  | 5.7   | 9.70  | 0.812 |                                                                                            |
| IPI:IPI00167009.3 | 1  | 42.1  | 9.20  | 0.810 | CDNA FLJ38620 fis, clone HEART2007767                                                      |
|                   |    |       |       |       | Isoform Long of Tyrosine-protein kinase transmembrane receptor                             |
| IPI:IPI00010405.3 | 2  | 104.2 | 7.17  | 0.810 | ROR1 precursor                                                                             |
| IPI:IPI00306290.4 | 1  | 110.0 | 5.47  | 0.809 | Exportin-T                                                                                 |
|                   |    |       |       |       | Isoform 2 of Carbamoyl-phosphate synthase [ammonia], mitochondrial precursor               |
| IPI:IPI00397498.1 | 1  | 116.0 | 5.96  | 0.808 |                                                                                            |

|                   |   |       |       |       |                                                           |
|-------------------|---|-------|-------|-------|-----------------------------------------------------------|
| IPI:IPI00642259.2 | 4 | 856.9 | 5.24  | 0.807 | Bullous pemphigoid antigen 1, 230/240kDa, dystonin,       |
| IPI:IPI00654777.2 | 2 | 39.1  | 5.45  | 0.806 | Cytoskeletal linker protein                               |
| IPI:IPI00019385.1 | 1 | 19.0  | 6.15  | 0.805 | Eukaryotic translation initiation factor 3 subunit 5      |
| IPI:IPI00164719.8 | 1 | 150.3 | 6.19  | 0.805 | Translocon-associated protein delta subunit precursor     |
| IPI:IPI00746773.1 | 2 | 179.4 | 7.66  | 0.804 | Connexin43-interacting protein of 150 kDa                 |
| IPI:IPI00163085.2 | 3 | 118.0 | 7.64  | 0.804 | IQ motif containing GTPase activating protein 3           |
| IPI:IPI00456969.1 | 3 | 532.1 | 6.40  | 0.804 | Isoform 1 of Angiomotin                                   |
| IPI:IPI00303992.3 | 2 | 78.2  | 9.01  | 0.804 | Dynein heavy chain, cytosolic                             |
| IPI:IPI00217223.1 | 1 | 49.6  | 7.49  | 0.803 | Vertebrae development associated vertinin                 |
| IPI:IPI00004671.1 | 3 | 375.8 | 5.00  | 0.803 | Multifunctional protein ADE2                              |
| IPI:IPI00141938.3 | 5 | 12.1  | 10.46 | 0.801 | Golgin subfamily B member 1                               |
| IPI:IPI00759647.1 | 1 | 36.6  | 9.03  | 0.801 | H2A histone family, member V isoform 2                    |
| IPI:IPI00012268.3 | 5 | 100.1 | 5.20  | 0.800 | BCL2-like 12 isoform 3                                    |
| IPI:IPI00003964.3 | 2 | 290.3 | 5.80  | 0.799 | 26S proteasome non-ATPase regulatory subunit 2            |
| IPI:IPI00028264.3 | 1 | 81.7  | 5.49  | 0.797 | ubiquitin specific protease 9, X-linked isoform 4         |
|                   |   |       |       |       | Exocyst complex component 8                               |
|                   |   |       |       |       | Transient receptor potential cation channel, subfamily M, |
| IPI:IPI00329503.8 | 1 | 131.4 | 6.77  | 0.797 | member 5                                                  |
| IPI:IPI00160349.3 | 1 | 34.3  | 4.54  | 0.795 | UPF0360 protein                                           |
| IPI:IPI00328737.1 | 2 | 98.6  | 8.40  | 0.794 | Zinc finger protein 598                                   |
| IPI:IPI00397909.3 | 1 | 56.4  | 7.18  | 0.794 | ankyrin repeat domain 36                                  |
| IPI:IPI00747283.1 | 2 | 78.9  | 6.74  | 0.793 | microtubule-associated protein tau isoform 1              |
| IPI:IPI00006196.2 | 3 | 236.4 | 5.80  | 0.792 | Isoform 2 of Nuclear mitotic apparatus protein 1          |
| IPI:IPI00020984.1 | 6 | 67.5  | 4.60  | 0.792 | Calnexin precursor                                        |
| IPI:IPI00014375.1 | 2 | 109.2 | 5.50  | 0.790 | Glutamyl aminopeptidase                                   |
| IPI:IPI00333637.1 | 1 | 78.0  | 5.54  | 0.790 | Isoform 2 of Golgin subfamily A member 5                  |
| IPI:IPI00025039.1 | 1 | 33.8  | 10.18 | 0.790 | Fibrillarin                                               |
| IPI:IPI00186439.7 | 1 | 49.9  | 9.35  | 0.790 | Zinc finger protein 643                                   |
| IPI:IPI00465189.1 | 2 | 34.1  | 9.76  | 0.789 | Uncharacterized protein C11orf57                          |
| IPI:IPI00027252.6 | 4 | 33.3  | 9.83  | 0.789 | Prohibitin-2                                              |



|                   |    |       |       |                                                           |                                                                                                                             |
|-------------------|----|-------|-------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|                   |    |       |       | WAP, follistatin/kazal, immunoglobulin, kunitz and netrin |                                                                                                                             |
| IPI:IPI00044004.1 | 1  | 58.8  | 6.20  | 0.788                                                     | domain containing 1 precursor                                                                                               |
| IPI:IPI00745230.1 | 2  | 343.9 | 8.47  | 0.788                                                     | REV3-like, catalytic subunit of DNA polymerase zeta                                                                         |
| IPI:IPI00657652.1 | 1  | 18.3  | 6.25  | 0.787                                                     | 18 kDa protein                                                                                                              |
| IPI:IPI00396435.2 | 1  | 92.8  | 7.25  | 0.786                                                     | DEAH (Asp-Glu-Ala-His) box polypeptide 15                                                                                   |
| IPI:IPI00007750.1 | 11 | 49.9  | 5.06  | 0.786                                                     | Tubulin alpha-1 chain                                                                                                       |
| IPI:IPI00218918.4 | 14 | 38.6  | 7.02  | 0.784                                                     | Annexin A1                                                                                                                  |
| IPI:IPI00025427.1 | 1  | 18.4  | 10.24 | 0.784                                                     | Eosinophil cationic protein precursor                                                                                       |
| IPI:IPI00021485.2 | 1  | 80.7  | 6.15  | 0.784                                                     | Leucine-rich repeats neuronal protein 1 precursor                                                                           |
| IPI:IPI00167598.1 | 2  | 51.2  | 5.20  | 0.783                                                     | Ankyrin repeat and SAM domain-containing protein 4B                                                                         |
| IPI:IPI00748111.1 | 1  | 16.8  | 8.69  | 0.783                                                     | Isoform 2 of Mitoferrin-1                                                                                                   |
| IPI:IPI00006599.1 | 1  | 13.9  | 5.22  | 0.782                                                     | Protein C1orf21                                                                                                             |
| IPI:IPI00007052.6 | 1  | 16.9  | 8.79  | 0.782                                                     | Mitochondria fission 1 protein                                                                                              |
| IPI:IPI00025277.5 | 1  | 21.9  | 5.40  | 0.781                                                     | Programmed cell death protein 6                                                                                             |
| IPI:IPI00028055.4 | 1  | 25.0  | 7.44  | 0.780                                                     | Transmembrane emp24 domain-containing protein 10 precursor                                                                  |
| IPI:IPI00152304.1 | 1  | 60.0  | 7.66  | 0.780                                                     | Hypothetical protein MGC27016                                                                                               |
| IPI:IPI00000897.1 | 2  | 218.8 | 7.37  | 0.779                                                     | Probable helicase with zinc-finger domain                                                                                   |
| IPI:IPI00215777.1 | 2  | 39.9  | 9.36  | 0.778                                                     | Isoform B of Phosphate carrier protein, mitochondrial precursor<br>CDNA FLJ16159 fis, clone BRCAN2002854, weakly similar to |
| IPI:IPI00442317.1 | 1  | 28.8  | 4.87  | 0.778                                                     | Human Hsp27 ERE-TATA-binding protein (HET) mRNA                                                                             |
| IPI:IPI00455562.2 | 1  | 70.5  | 9.06  | 0.776                                                     | PREDICTED: hypothetical protein LOC284371 isoform 2                                                                         |
| IPI:IPI00386076.2 | 1  | 42.2  | 7.93  | 0.775                                                     | Isoform 2 of Tripartite motif protein 42                                                                                    |
| IPI:IPI00218450.1 | 1  | 98.4  | 8.03  | 0.774                                                     | Isoform 2 of Semaphorin-6C precursor                                                                                        |
| IPI:IPI00220834.7 | 3  | 82.5  | 5.81  | 0.773                                                     | ATP-dependent DNA helicase 2 subunit 2                                                                                      |
| IPI:IPI00619938.1 | 1  | 98.0  | 4.63  | 0.772                                                     | Rho GTPase activating protein 30 isoform 1                                                                                  |
| IPI:IPI00470434.1 | 2  | 55.7  | 7.05  | 0.770                                                     | Eyes absent homolog 2<br>Isoform 2 of Receptor-interacting serine/threonine-protein kinase                                  |
| IPI:IPI00554774.1 | 1  | 45.6  | 6.84  | 0.770                                                     | 2<br>Ubiquinol-cytochrome-c reductase complex core protein I,                                                               |
| IPI:IPI00013847.4 | 3  | 52.6  | 6.37  | 0.769                                                     | mitochondrial precursor                                                                                                     |

|                      |       |       |       |                                                                                                                     |
|----------------------|-------|-------|-------|---------------------------------------------------------------------------------------------------------------------|
| IPI:IPI00410621.1 1  | 40.8  | 6.25  | 0.769 | Isoform 2 of CCR4-NOT transcription complex subunit 2                                                               |
| IPI:IPI00021263.3 17 | 27.7  | 4.79  | 0.769 | 14-3-3 protein zeta/delta (Protein kinase C inhibitor protein 1)                                                    |
| IPI:IPI00513928.1 2  | 33.0  | 8.15  | 0.768 | Isoform 2 of Acyl-coenzyme A thioesterase 2                                                                         |
| IPI:IPI00032455.1 1  | 49.1  | 7.50  | 0.768 | Zinc finger and BTB domain-containing protein 12                                                                    |
| IPI:IPI00744826.1 3  | 69.6  | 9.45  | 0.767 | Uncharacterized protein C10orf68                                                                                    |
| IPI:IPI00479630.2 1  | 59.9  | 6.77  | 0.765 | fragile X mental retardation-related protein 1 isoform c<br>PREDICTED: similar to junction-mediating and regulatory |
| IPI:IPI00738582.1 1  | 22.2  | 6.40  | 0.764 | protein                                                                                                             |
| IPI:IPI00397875.3 2  | 129.6 | 6.16  | 0.764 | Simiar to tudor domain-containing protein 6                                                                         |
| IPI:IPI00414676.5 14 | 83.1  | 5.03  | 0.762 | Heat shock protein HSP 90-beta                                                                                      |
| IPI:IPI00442303.1 1  | 111.7 | 9.33  | 0.762 | CDNA FLJ16186 fis, clone BRTHA2007060<br>Transient receptor potential cation channel, subfamily M,                  |
| IPI:IPI00641507.1 1  | 36.8  | 9.89  | 0.762 | member 3                                                                                                            |
| IPI:IPI00719374.2 1  | 13.0  | 11.88 | 0.761 | LOC441212 protein (Fragment)                                                                                        |
| IPI:IPI00418430.1 1  | 28.9  | 5.43  | 0.761 | C6orf69 protein                                                                                                     |
| IPI:IPI00217662.1 1  | 70.4  | 8.84  | 0.761 | Hypothetical protein C11orf35                                                                                       |
| IPI:IPI00072918.2 1  | 322.0 | 6.90  | 0.760 | alpha 3 type VI collagen isoform 4 precursor                                                                        |
| IPI:IPI00386211.3 3  | 330.3 | 5.08  | 0.760 | Biorientation of chromosomes in cell division protein 1-like 1                                                      |
| IPI:IPI00027107.5 5  | 49.8  | 7.61  | 0.760 | Tu translation elongation factor, mitochondrial                                                                     |
| IPI:IPI00165222.3 2  | 15.2  | 9.33  | 0.759 | Uncharacterized 15 kDa protein                                                                                      |
| IPI:IPI00218743.1 1  | 61.6  | 8.88  | 0.755 | Isoform 2 of Bestrophin-1                                                                                           |
| IPI:IPI00008137.1 1  | 118.8 | 8.29  | 0.755 | Zinc finger protein 295                                                                                             |
| IPI:IPI00299155.5 1  | 29.5  | 7.72  | 0.755 | Proteasome subunit alpha type 4                                                                                     |
| IPI:IPI00021405.3 26 | 74.1  | 7.02  | 0.755 | Isoform A of Lamin-A/C                                                                                              |
| IPI:IPI00002459.4 2  | 75.2  | 5.67  | 0.752 | Annexin VI isoform 2                                                                                                |
| IPI:IPI00429190.2 1  | 24.2  | 6.57  | 0.751 | Ras-related protein Rab-11A                                                                                         |
| IPI:IPI00020153.2 2  | 416.1 | 7.55  | 0.749 | Bassoon protein (Zinc finger protein 231)                                                                           |
| IPI:IPI00009724.2 2  | 172.8 | 8.40  | 0.749 | CAP-binding protein complex interacting protein 1 isoform a                                                         |
| IPI:IPI00335509.3 1  | 61.4  | 7.20  | 0.748 | Dihydropyrimidinase-related protein 5                                                                               |
| IPI:IPI00031047.1 3  | 51.9  | 6.52  | 0.747 | IQ motif containing protein G                                                                                       |

|                   |    |       |      |       |                                                                    |
|-------------------|----|-------|------|-------|--------------------------------------------------------------------|
| IPI:IPI00719669.1 | 2  | 17.0  | 4.36 | 0.747 | Myosin regulatory light chain                                      |
| IPI:IPI00383372.1 | 1  | 9.3   | 5.39 | 0.747 | PRO1155                                                            |
| IPI:IPI00011528.1 | 1  | 48.3  | 6.58 | 0.746 | Cleavage stimulation factor, 50 kDa subunit                        |
| IPI:IPI00738274.1 | 3  | 139.0 | 8.05 | 0.746 | PREDICTED: similar to Complement C3 precursor                      |
| IPI:IPI00291922.2 | 2  | 26.4  | 4.79 | 0.745 | Proteasome subunit alpha type 5                                    |
| IPI:IPI00011727.2 | 1  | 42.9  | 9.17 | 0.743 | Synaptotagmin-5                                                    |
| IPI:IPI00657936.1 | 1  | 116.6 | 6.40 | 0.742 | Collagen, type XXVIII precursor                                    |
|                   |    |       |      |       | Non-specific lipid-transfer protein (May play a role in regulating |
| IPI:IPI00479934.1 | 2  | 15.1  | 8.92 | 0.741 | steroidogenesis)                                                   |
| IPI:IPI00216989.5 | 3  | 82.4  | 7.69 | 0.740 | G protein-regulated inducer of neurite outgrowth 3                 |
| IPI:IPI00218592.3 | 1  | 22.3  | 7.94 | 0.740 | Isoform ASF-3 of Splicing factor, arginine/serine-rich 1           |
| IPI:IPI00414045.1 | 1  | 32.7  | 4.88 | 0.739 | Cyclin D-binding Myb-like protein gamma                            |
| IPI:IPI00304809.6 | 2  | 151.0 | 6.71 | 0.738 | Microtubule-associated tumor suppressor candidate 2                |
| IPI:IPI00333016.5 | 1  | 57.2  | 7.53 | 0.738 | DNAJC11 protein                                                    |
| IPI:IPI00168913.1 | 2  | 139.8 | 6.65 | 0.738 | Isoform 2 of Limbin                                                |
| IPI:IPI00005587.1 | 4  | 164.7 | 6.14 | 0.736 | Myomesin-2                                                         |
|                   |    |       |      |       | Isoform Cytoplasmic/peroxisomal of Peroxiredoxin-5,                |
| IPI:IPI00759663.1 | 5  | 17.0  | 7.24 | 0.735 | mitochondrial precursor                                            |
| IPI:IPI00004931.1 | 1  | 71.6  | 7.64 | 0.735 | Nuclear RNA export factor 2                                        |
| IPI:IPI00018206.3 | 3  | 47.4  | 9.01 | 0.734 | Aspartate aminotransferase, mitochondrial precursor                |
| IPI:IPI00008964.3 | 4  | 22.2  | 5.73 | 0.733 | Ras-related protein Rab-1B                                         |
| IPI:IPI00010214.1 | 1  | 11.7  | 5.24 | 0.732 | Protein S100-A14                                                   |
| IPI:IPI00291006.1 | 8  | 35.5  | 8.68 | 0.732 | Malate dehydrogenase, mitochondrial precursor                      |
| IPI:IPI00297084.7 | 2  | 50.8  | 6.55 | 0.731 | Dolichyl-diphosphooligosaccharide-protein glycosyltransferase      |
| IPI:IPI00303476.1 | 15 | 56.5  | 5.40 | 0.730 | ATP synthase beta chain, mitochondrial precursor                   |
|                   |    |       |      |       | DEP domain-containing protein 7 (intracellular signal              |
| IPI:IPI00163266.4 | 2  | 58.3  | 7.77 | 0.728 | transduction)                                                      |
| IPI:IPI00016513.5 | 3  | 22.5  | 8.38 | 0.727 | Ras-related protein Rab-10                                         |
|                   |    |       |      |       | Complement component 1 Q subcomponent-binding protein,             |
| IPI:IPI00014230.1 | 4  | 31.3  | 4.84 | 0.726 | mitochondrial precursor                                            |

|                   |    |       |       |       |                                                             |
|-------------------|----|-------|-------|-------|-------------------------------------------------------------|
| IPI:IPI00013890.1 | 19 | 27.8  | 4.74  | 0.725 | 14-3-3 protein sigma                                        |
| IPI:IPI00009803.1 | 1  | 115.3 | 6.37  | 0.722 | Integrin alpha-4 precursor                                  |
| IPI:IPI00021828.1 | 3  | 11.1  | 7.56  | 0.720 | Cystatin B                                                  |
| IPI:IPI00219038.8 | 7  | 15.2  | 11.27 | 0.718 | Histone H3.3                                                |
| IPI:IPI00646499.2 | 1  | 11.6  | 8.88  | 0.718 | Similar to Splicing factor U2AF 35 kDa subunit              |
| IPI:IPI00747988.1 | 1  | 29.5  | 4.37  | 0.715 | 30 kDa protein                                              |
| IPI:IPI00641334.1 | 2  | 14.2  | 5.15  | 0.713 | Cytochrome b5 type B precursor                              |
| IPI:IPI00657914.1 | 1  | 37.9  | 9.19  | 0.712 | Isoform 2 of Armadillo repeat-containing X-linked protein 4 |
| IPI:IPI00307551.3 | 1  | 172.6 | 8.10  | 0.712 | Isoform A of Zinc finger protein 236                        |
| IPI:IPI00166612.9 | 2  | 448.9 | 4.78  | 0.711 | Cardiomyopathy associated 5                                 |
| IPI:IPI00743344.1 | 1  | 12.0  | 8.90  | 0.711 | OTTHUMP00000021999                                          |
| IPI:IPI00641665.1 | 1  | 12.4  | 5.17  | 0.709 | 12 kDa protein                                              |
| IPI:IPI00059631.1 | 1  | 22.2  | 8.07  | 0.708 | Hypothetical protein TMEM125                                |
| IPI:IPI00384444.4 | 22 | 51.5  | 5.16  | 0.706 | Keratin, type I cytoskeletal 14                             |
| IPI:IPI00337766.5 | 3  | 91.7  | 7.39  | 0.705 | zinc finger, CCHC domain containing 2                       |
| IPI:IPI00012465.1 | 1  | 41.6  | 7.71  | 0.705 | Testis-specific serine/threonine-protein kinase 1           |
| IPI:IPI00160716.2 | 1  | 89.3  | 8.21  | 0.704 | DEP domain containing 1                                     |
| IPI:IPI00450768.6 | 26 | 47.9  | 5.02  | 0.703 | Keratin, type I cytoskeletal 17                             |
| IPI:IPI00060419.3 | 1  | 21.4  | 5.11  | 0.702 | TRAF-interacting protein with a forkhead-associated domain  |
| IPI:IPI00554711.1 | 8  | 81.4  | 6.38  | 0.702 | Junction plakoglobin                                        |
| IPI:IPI00297492.1 | 1  | 80.4  | 8.22  | 0.700 | Oligosaccharyl transferase STT3 subunit homolog             |
| IPI:IPI00017334.1 | 1  | 29.8  | 5.76  | 0.699 | Prohibitin                                                  |
| IPI:IPI00514366.1 | 2  | 39.1  | 7.34  | 0.698 | Mitochondrial carrier homolog 1                             |
|                   |    |       |       |       | Transcription repressor CCR4-NOT transcription complex      |
| IPI:IPI00642900.2 | 3  | 241.1 | 7.05  | 0.697 | subunit 1                                                   |
| IPI:IPI00011370.2 | 1  | 9.8   | 9.85  | 0.696 | PRO1102                                                     |
| IPI:IPI00012966.1 | 1  | 72.9  | 7.02  | 0.692 | Transcription factor 12                                     |
| IPI:IPI00296676.2 | 4  | 98.9  | 8.92  | 0.692 | Smoothelin isoform b                                        |
| IPI:IPI00413614.3 | 1  | 74.5  | 7.50  | 0.692 | Isoform 2 of Symplekin                                      |

|                   |    |       |       |       |                                                                                                                              |
|-------------------|----|-------|-------|-------|------------------------------------------------------------------------------------------------------------------------------|
| IPI:IPI00217532.1 | 1  | 34.9  | 8.65  | 0.689 | Isoform 2 of Sodium/potassium-transporting ATPase subunit beta-1                                                             |
| IPI:IPI00015911.1 | 1  | 54.1  | 7.68  | 0.684 | Dihydrolipoyl dehydrogenase, mitochondrial precursor                                                                         |
| IPI:IPI00166674.1 | 1  | 52.6  | 8.88  | 0.680 | F-box only protein 39                                                                                                        |
| IPI:IPI00386256.1 | 1  | 36.1  | 9.61  | 0.679 | Pro protein (Fragment)                                                                                                       |
| IPI:IPI00031514.1 | 1  | 38.5  | 7.20  | 0.677 | Replication factor C subunit 5                                                                                               |
| IPI:IPI00747054.1 | 2  | 32.5  | 7.42  | 0.676 | Tumor necrosis factor ligand superfamily member 10                                                                           |
| IPI:IPI00016608.1 | 1  | 22.7  | 5.17  | 0.676 | Transmembrane emp24 domain trafficking protein 2 precursor                                                                   |
| IPI:IPI00396431.2 | 1  | 86.6  | 6.09  | 0.674 | Isoform A of Ral guanine nucleotide dissociation stimulator-like 1                                                           |
| IPI:IPI00396243.5 | 2  | 151.7 | 6.35  | 0.673 | Isoform 1 of WD-repeat protein 19 (cilia, cell projection)<br>PREDICTED: similar to Dipeptidyl aminopeptidase-like protein 6 |
| IPI:IPI00736118.1 | 1  | 16.9  | 8.73  | 0.671 | 6                                                                                                                            |
| IPI:IPI00647556.1 | 1  | 25.8  | 7.08  | 0.669 | Gelsolin                                                                                                                     |
| IPI:IPI00335277.1 | 1  | 26.4  | 7.23  | 0.669 | Isoform 2 of Synaptophysin-like protein 1                                                                                    |
| IPI:IPI00220362.4 | 4  | 10.8  | 8.92  | 0.668 | 10 kDa heat shock protein, mitochondrial                                                                                     |
| IPI:IPI00465190.1 | 1  | 7.2   | 12.10 | 0.668 | TCR gamma alternate reading frame protein isoform 1                                                                          |
| IPI:IPI00739522.1 | 1  | 23.6  | 6.77  | 0.667 | Isoform 2 of Keratinocytes-associated protein 3                                                                              |
| IPI:IPI00332835.3 | 1  | 73.9  | 6.73  | 0.667 | armadillo repeat containing 8 isoform 2                                                                                      |
| IPI:IPI00472102.3 | 14 | 61.2  | 5.87  | 0.666 | Heat shock protein 60                                                                                                        |
| IPI:IPI00384569.2 | 1  | 98.3  | 7.03  | 0.666 | Hypothetical protein KIAA1685                                                                                                |
| IPI:IPI00022774.2 | 4  | 89.1  | 5.26  | 0.665 | Transitional endoplasmic reticulum ATPase                                                                                    |
| IPI:IPI00477042.4 | 2  | 72.4  | 8.66  | 0.665 | Uncharacterized protein CXorf57                                                                                              |
| IPI:IPI00742782.1 | 2  | 18.5  | 10.54 | 0.663 | Uncharacterized 19 kDa protein                                                                                               |
| IPI:IPI00470829.2 | 2  | 80.0  | 6.74  | 0.662 | Isoform 3 of Mitochondrial inner membrane protein                                                                            |
| IPI:IPI00386437.1 | 1  | 41.3  | 9.38  | 0.660 | SPATA22 protein                                                                                                              |
| IPI:IPI00413456.2 | 1  | 98.5  | 6.65  | 0.658 | Similar to elongation factor Tu GTP binding domain containing 1                                                              |
| IPI:IPI00438875.2 | 2  | 98.0  | 7.34  | 0.658 | Isoform M6-kinase 2 of Transient receptor potential cation channel subfamily M member 6                                      |
| IPI:IPI00015286.1 | 1  | 215.2 | 7.56  | 0.658 | Dedicator of cytokinesis protein 1                                                                                           |

|                   |   |       |       |       |                                                                                                             |
|-------------------|---|-------|-------|-------|-------------------------------------------------------------------------------------------------------------|
| IPI:IPI00607850.1 | 2 | 176.9 | 6.58  | 0.654 | Isoform 3 of Citron Rho-interacting kinase                                                                  |
| IPI:IPI00293575.7 | 1 | 86.1  | 8.07  | 0.653 | Zinc finger protein 184                                                                                     |
| IPI:IPI00449139.1 | 1 | 58.1  | 9.67  | 0.653 | LRFN4 protein (Fragment)                                                                                    |
| IPI:IPI00297169.1 | 1 | 60.2  | 6.27  | 0.652 | Lymphocyte cytosolic protein 2                                                                              |
| IPI:IPI00738097.1 | 3 | 48.5  | 5.25  | 0.652 | tubulin, beta polypeptide 4, member Q                                                                       |
| IPI:IPI00048232.1 | 1 | 13.4  | 8.44  | 0.651 | Isoform A of Usher syndrome type-3 protein<br>Full-length cDNA 5-PRIME end of clone CS0DJ009YL13 of T       |
| IPI:IPI00384016.1 | 1 | 29.6  | 8.32  | 0.651 | cells                                                                                                       |
| IPI:IPI00034159.1 | 1 | 40.3  | 5.00  | 0.649 | Vacuolar ATP synthase subunit d                                                                             |
| IPI:IPI00640240.1 | 2 | 58.6  | 9.13  | 0.648 | Serine palmitoyltransferase, long chain base subunit 2-like                                                 |
| IPI:IPI00218993.1 | 1 | 92.1  | 5.55  | 0.647 | Isoform Beta of Heat-shock protein 105 kDa                                                                  |
| IPI:IPI00299554.3 | 1 | 186.4 | 7.91  | 0.647 | Kinesin-like protein KIF14                                                                                  |
| IPI:IPI00168769.6 | 3 | 222.4 | 7.81  | 0.647 | Exophilin 5 ( Rab GTPase binding )                                                                          |
| IPI:IPI00401829.3 | 2 | 93.6  | 6.71  | 0.645 | Coiled-coil domain-containing protein 175                                                                   |
| IPI:IPI00455852.1 | 4 | 91.9  | 8.25  | 0.642 | Isoform 1 of Rho guanine nucleotide exchange factor 15                                                      |
| IPI:IPI00718908.1 | 8 | 30.4  | 7.20  | 0.634 | Isoform 6 of Voltage-dependent anion-selective channel protein 2                                            |
| IPI:IPI00446003.1 | 1 | 15.5  | 12.21 | 0.632 | CDNA FLJ43210 fis, clone FEBRA2020582                                                                       |
| IPI:IPI00002966.1 | 3 | 94.2  | 5.26  | 0.632 | Heat shock 70 kDa protein 4                                                                                 |
| IPI:IPI00216457.6 | 6 | 14.0  | 10.90 | 0.628 | Histone H2A type 2-A                                                                                        |
| IPI:IPI00022750.5 | 1 | 21.4  | 12.22 | 0.627 | Hypothetical protein (Fragment)                                                                             |
| IPI:IPI00065310.2 | 3 | 75.3  | 5.68  | 0.626 | Coiled-coil domain-containing protein 27<br>highly similar to Sarcoplasmic/endoplasmic reticulum calcium    |
| IPI:IPI00646947.1 | 3 | 95.1  | 5.77  | 0.626 | ATPase 1                                                                                                    |
| IPI:IPI00000816.1 | 4 | 29.2  | 4.74  | 0.625 | 14-3-3 protein epsilon                                                                                      |
| IPI:IPI00414858.3 | 2 | 94.0  | 5.57  | 0.617 | component of golgi transport complex 3                                                                      |
| IPI:IPI00014213.1 | 2 | 101.9 | 8.22  | 0.617 | Probable leucyl-tRNA synthetase, mitochondrial precursor<br>Isoform LAMP-2A of Lysosome-associated membrane |
| IPI:IPI00009030.1 | 1 | 44.9  | 5.63  | 0.615 | glycoprotein 2 precursor                                                                                    |
| IPI:IPI00218131.2 | 2 | 10.4  | 6.25  | 0.613 | Protein S100-A12                                                                                            |
| IPI:IPI00640715.2 | 1 | 103.2 | 7.15  | 0.607 | KIAA1875 protein (Fragment)                                                                                 |

|                      |       |       |       |                                                                                                          |
|----------------------|-------|-------|-------|----------------------------------------------------------------------------------------------------------|
| IPI:IPI00259519.2 1  | 60.1  | 6.02  | 0.604 | leucine rich repeat containing 22                                                                        |
| IPI:IPI00744220.1 1  | 10.6  | 10.81 | 0.603 | 11 kDa protein                                                                                           |
| IPI:IPI00642269.1 1  | 14.3  | 8.38  | 0.603 | CDNA FLJ38101 fis, clone D3OST1000270                                                                    |
| IPI:IPI00657796.1 1  | 17.8  | 6.29  | 0.602 | 18 kDa protein                                                                                           |
| IPI:IPI00020124.1 1  | 54.0  | 8.29  | 0.601 | Phosphatidylinositol 4-kinase type II<br>Isoform 3 of KH domain-containing, RNA-binding, signal          |
| IPI:IPI00082310.1 1  | 44.0  | 7.28  | 0.600 | transduction-associated protein 1                                                                        |
| IPI:IPI00249984.2 1  | 59.4  | 7.46  | 0.594 | Isoform 2 of Death-inducer obliterator 1<br>Isoform Beta-2 of Serine/threonine-protein phosphatase 2A 56 |
| IPI:IPI00219690.1 1  | 57.3  | 6.60  | 0.593 | kDa regulatory subunit beta isoform                                                                      |
| IPI:IPI00186338.1 2  | 9.7   | 6.09  | 0.592 | Barrier-to-autointegration factor-like protein                                                           |
| IPI:IPI00009867.2 26 | 62.4  | 8.06  | 0.589 | Keratin, type II cytoskeletal 5                                                                          |
| IPI:IPI00025512.2 6  | 22.8  | 6.40  | 0.584 | Heat-shock protein beta-1                                                                                |
| IPI:IPI00736027.1 1  | 31.8  | 8.79  | 0.577 | PREDICTED: similar to Succinyl-CoA ligase                                                                |
| IPI:IPI00294575.7 2  | 91.8  | 7.02  | 0.577 | Cell division cycle protein 27 homolog                                                                   |
| IPI:IPI00745977.1 1  | 15.2  | 10.14 | 0.576 | Conserved hypothetical protein                                                                           |
| IPI:IPI00334433.5 1  | 142.6 | 7.61  | 0.575 | KIAA1454 protein (Fragment)                                                                              |
| IPI:IPI00030874.1 1  | 19.2  | 5.58  | 0.575 | Uncharacterized gastric protein YA42P (Fragment)                                                         |
| IPI:IPI00027273.1 2  | 178.2 | 5.57  | 0.571 | Breast cancer 1, early onset isoform BRCA1-delta14-18                                                    |
| IPI:IPI00166863.2 1  | 89.5  | 6.80  | 0.569 | hypothetical protein LOC84902                                                                            |
| IPI:IPI00020991.2 2  | 61.1  | 9.01  | 0.568 | CDKN2A interacting protein                                                                               |
| IPI:IPI00154283.2 1  | 102.0 | 6.23  | 0.566 | Hypothetical protein DKFZp762J0112                                                                       |
| IPI:IPI00019007.1 1  | 103.8 | 7.18  | 0.566 | Toll-like receptor 3 precursor                                                                           |
| IPI:IPI00171611.5 8  | 15.4  | 11.27 | 0.563 | H3 histone family, member M                                                                              |
| IPI:IPI00646739.1 1  | 20.2  | 9.13  | 0.562 | 20 kDa protein                                                                                           |
| IPI:IPI00217185.1 4  | 551.0 | 5.64  | 0.561 | Isoform 2 of Ryanodine receptor 3                                                                        |
| IPI:IPI00174848.5 2  | 39.9  | 9.14  | 0.560 | Similar to Ankyrin repeat domain protein 18A<br>Leucine-rich repeat and WD repeat-containing protein     |
| IPI:IPI00166979.5 3  | 194.9 | 6.11  | 0.558 | KIAA1239                                                                                                 |
| IPI:IPI00646867.1 4  | 49.6  | 5.25  | 0.555 | Vimentin                                                                                                 |

|                   |   |       |       |       |                                                                 |
|-------------------|---|-------|-------|-------|-----------------------------------------------------------------|
| IPI:IPI00022479.4 | 3 | 531.9 | 6.04  | 0.554 | Guanine nucleotide exchange factor p532                         |
| IPI:IPI00022296.1 | 1 | 109.8 | 6.98  | 0.552 | Mast/stem cell growth factor receptor precursor                 |
| IPI:IPI00007928.4 | 2 | 273.4 | 8.84  | 0.550 | Pre-mRNA-processing-splicing factor 8                           |
| IPI:IPI00009634.1 | 4 | 49.9  | 9.11  | 0.546 | Sulfide:quinone oxidoreductase, mitochondrial precursor         |
| IPI:IPI00456697.1 | 1 | 35.9  | 6.92  | 0.545 | SULT1C3 splice variant d                                        |
| IPI:IPI00514369.1 | 2 | 38.7  | 11.06 | 0.544 | Nuclear localized factor 2                                      |
|                   |   |       |       |       | Isoform Cytoplasmic+peroxisomal of Malonyl-CoA                  |
| IPI:IPI00759655.1 | 1 | 50.9  | 8.16  | 0.541 | decarboxylase, mitochondrial precursor                          |
| IPI:IPI00220327.2 | 8 | 65.8  | 8.12  | 0.538 | Keratin, type II cytoskeletal 1                                 |
| IPI:IPI00216308.4 | 9 | 30.6  | 8.54  | 0.534 | Voltage-dependent anion-selective channel protein 1             |
| IPI:IPI00743775.1 | 1 | 55.3  | 4.74  | 0.533 | Isoform 2 of Coiled-coil domain-containing protein 47 precursor |
| IPI:IPI00015580.2 | 1 | 63.5  | 6.19  | 0.530 | formin binding protein 1-like isoform 2                         |
| IPI:IPI00656138.1 | 1 | 60.6  | 5.76  | 0.519 | Isoform 1 of Serine/threonine-protein kinase PAK 1              |
| IPI:IPI00007797.2 | 4 | 15.0  | 7.01  | 0.517 | Fatty acid-binding protein, epidermal                           |
| IPI:IPI00026015.1 | 1 | 57.4  | 6.64  | 0.515 | Vesicular inhibitory amino acid transporter                     |
| IPI:IPI00426107.1 | 1 | 46.1  | 10.20 | 0.513 | KI67 Antigen (Fragment)                                         |
|                   |   |       |       |       | Similar to BCL2/adenovirus E1B 19-kDa protein-interacting       |
| IPI:IPI00746841.1 | 1 | 8.2   | 8.31  | 0.505 | protein 2                                                       |
| IPI:IPI00382471.1 | 1 | 13.7  | 8.41  | 0.502 | Ig heavy chain V-I region WOL                                   |
| IPI:IPI00657779.1 | 2 | 16.5  | 9.58  | 0.492 | Peptidyl-prolyl cis-trans isomerase PPIF                        |
| IPI:IPI00061448.5 | 1 | 12.5  | 9.52  | 0.488 | Hypothetical protein LOC90693                                   |
| IPI:IPI00167383.2 | 3 | 87.4  | 5.07  | 0.487 | PAS domain containing 1                                         |
| IPI:IPI00185036.4 | 1 | 186.0 | 8.87  | 0.482 | Myosin IIIA                                                     |
| IPI:IPI00021520.1 | 2 | 37.2  | 9.11  | 0.478 | Glucocorticoid receptor AF-1 coactivator-1                      |
| IPI:IPI00376379.2 | 2 | 61.9  | 5.99  | 0.477 | keratin 1B                                                      |
|                   |   |       |       |       | Dolichyl-diphosphooligosaccharide-protein glycosyltransferase   |
| IPI:IPI00552972.2 | 3 | 56.3  | 6.33  | 0.473 | subunit 2                                                       |
| IPI:IPI00168698.1 | 2 | 128.5 | 6.09  | 0.470 | PDZ domain-containing protein 8                                 |
| IPI:IPI00027412.4 | 2 | 37.2  | 5.82  | 0.470 | Carcinoembryonic antigen-related cell adhesion molecule 6       |
| IPI:IPI00007227.4 | 1 | 67.7  | 9.13  | 0.470 | hypothetical protein LOC22864                                   |



|                      |       |       |       |                                                                                                                                |
|----------------------|-------|-------|-------|--------------------------------------------------------------------------------------------------------------------------------|
| IPI:IPI00002570.1 1  | 12.9  | 6.67  | 0.468 | Eukaryotic translation initiation factor 4E-binding protein 2<br>Isoform 1 of Striated muscle preferentially expressed protein |
| IPI:IPI00658151.1 3  | 354.1 | 8.51  | 0.465 | kinase                                                                                                                         |
| IPI:IPI00450347.1 1  | 57.8  | 8.40  | 0.463 | LOC197322 protein                                                                                                              |
| IPI:IPI00043958.1 1  | 44.8  | 9.32  | 0.462 | Isoform 3 of Fizzy-related protein homolog                                                                                     |
| IPI:IPI00001985.2 1  | 110.1 | 6.07  | 0.459 | Isoform 1 of Vacuolar protein sorting 18                                                                                       |
| IPI:IPI00187002.8 2  | 137.8 | 9.16  | 0.456 | Novel sickle tail protein homolog isoform 2                                                                                    |
| IPI:IPI00013933.1 15 | 331.6 | 6.81  | 0.454 | Isoform DPI of Desmoplakin                                                                                                     |
| IPI:IPI00741858.1 1  | 19.9  | 8.29  | 0.431 | PREDICTED: similar to Protein FAM3C precursor                                                                                  |
| IPI:IPI00219886.1 1  | 122.1 | 5.34  | 0.428 | Isoform Short of Ubiquitin carboxyl-terminal hydrolase 25<br>CDNA FLJ33877 fis, clone CTONG2007072, weakly similar to          |
| IPI:IPI00166301.3 1  | 84.1  | 6.67  | 0.410 | N- CHIMAERIN                                                                                                                   |
| IPI:IPI00140420.4 1  | 101.9 | 7.17  | 0.408 | Staphylococcal nuclease domain-containing protein 1                                                                            |
| IPI:IPI00023208.1 1  | 54.0  | 7.49  | 0.404 | Na/PO4 cotransporter homolog                                                                                                   |
| IPI:IPI00022314.1 5  | 24.7  | 8.25  | 0.400 | Superoxide dismutase [Mn], mitochondrial precursor                                                                             |
| IPI:IPI00748646.1 1  | 9.0   | 11.41 | 0.388 | Conserved hypothetical protein                                                                                                 |
| IPI:IPI00619932.4 2  | 265.2 | 8.53  | 0.382 | CREB-binding protein                                                                                                           |
| IPI:IPI00288964.2 1  | 135.9 | 5.82  | 0.382 | hypothetical protein LOC57719                                                                                                  |
| IPI:IPI00006205.1 1  | 60.9  | 7.33  | 0.382 | Acetyl-coenzyme A transporter 1                                                                                                |
| IPI:IPI00103259.2 1  | 22.5  | 10.15 | 0.371 | HCV F-transactivated protein 1                                                                                                 |
| IPI:IPI00219434.4 1  | 106.0 | 8.76  | 0.366 | Disks large-associated protein 3                                                                                               |
| IPI:IPI00607843.1 1  | 21.0  | 9.09  | 0.356 | OTTHUMP00000045524 (Fragment)                                                                                                  |
| IPI:IPI00078069.1 1  | 62.5  | 10.59 | 0.355 | transmembrane 7 superfamily member 2                                                                                           |
| IPI:IPI00009829.3 1  | 48.7  | 9.00  | 0.353 | Mast cell carboxypeptidase A precursor                                                                                         |
| IPI:IPI00007611.1 3  | 23.3  | 9.96  | 0.353 | ATP synthase O subunit, mitochondrial precursor                                                                                |
| IPI:IPI00007047.1 2  | 10.8  | 7.03  | 0.351 | Protein S100-A8                                                                                                                |
| IPI:IPI00640590.1 1  | 67.9  | 5.52  | 0.349 | Similar to ezrin-binding partner PACE-1 isoform 1                                                                              |
| IPI:IPI00023711.1 4  | 231.5 | 6.96  | 0.348 | Envoplakin<br>Isoform 2 of ADP-ribose pyrophosphatase, mitochondrial<br>precursor                                              |
| IPI:IPI00415040.1 1  | 33.8  | 6.76  | 0.344 |                                                                                                                                |

|                   |    |       |       |       |                                                           |
|-------------------|----|-------|-------|-------|-----------------------------------------------------------|
| IPI:IPI00006184.1 | 1  | 55.0  | 8.22  | 0.341 | Monocarboxylate transporter 6                             |
| IPI:IPI00746049.1 | 3  | 131.1 | 6.20  | 0.326 | Similar to Breast cancer antigen NY-BR-1.1                |
| IPI:IPI00454970.4 | 1  | 57.7  | 7.94  | 0.326 | PREDICTED: similar to notch1-induced protein              |
| IPI:IPI00735374.1 | 1  | 75.7  | 9.35  | 0.323 | Kruppel-like zinc finger protein isoform 1 (Fragment)     |
| IPI:IPI00300725.6 | 26 | 59.9  | 8.00  | 0.311 | Keratin, type II cytoskeletal 6A                          |
| IPI:IPI00441919.1 | 1  | 31.1  | 10.20 | 0.305 | Hypothetical protein FLJ23970                             |
| IPI:IPI00024163.1 | 2  | 155.6 | 8.48  | 0.303 | DNA-directed RNA polymerase III largest subunit           |
| IPI:IPI00027462.1 | 6  | 13.2  | 6.13  | 0.297 | Protein S100-A9                                           |
| IPI:IPI00061168.2 | 1  | 41.0  | 4.97  | 0.295 | Hypothetical protein DKFZp451K241                         |
|                   |    |       |       |       | CDNA FLJ13590 fis, clone PLACE1009398, moderately similar |
| IPI:IPI00386402.1 | 1  | 14.2  | 10.07 | 0.291 | to ZINC FINGER PROTEIN 135                                |
| IPI:IPI00293867.6 | 1  | 12.6  | 7.30  | 0.287 | D-dopachrome decarboxylase                                |
| IPI:IPI00022062.2 | 1  | 13.5  | 8.84  | 0.271 | Small inducible cytokine A17 precursor                    |
| IPI:IPI00013888.1 | 1  | 29.7  | 5.80  | 0.266 | Integral membrane protein 2A                              |
| IPI:IPI00304064.7 | 2  | 196.3 | 4.94  | 0.263 | Isoform 1 of InaD-like protein                            |
| IPI:IPI00167663.1 | 1  | 43.8  | 5.36  | 0.262 | CDNA FLJ38159 fis, clone DFNES2001404                     |
| IPI:IPI00018236.1 | 1  | 20.8  | 5.31  | 0.261 | Ganglioside GM2 activator precursor                       |
| IPI:IPI00397683.2 | 1  | 59.8  | 10.24 | 0.255 | CDNA FLJ40925 fis, clone UTERU2006486                     |
| IPI:IPI00329536.1 | 3  | 162.4 | 5.66  | 0.248 | Early endosome antigen 1                                  |
| IPI:IPI00300053.3 | 3  | 56.6  | 6.74  | 0.227 | Keratin, type II cuticular Hb2                            |
| IPI:IPI00387050.3 | 2  | 55.5  | 9.57  | 0.216 | Isoform 2 of BUD13 homolog (possibly splicing)            |
| IPI:IPI00220081.1 | 1  | 147.4 | 7.05  | 0.158 | Isoform 4 of Nuclear receptor coactivator 3               |
| IPI:IPI00008359.1 | 7  | 65.8  | 8.12  | 0.154 | Keratin, type II cytoskeletal 2 oral                      |
| IPI:IPI00396051.2 | 1  | 138.7 | 7.37  | 0.148 | tensin like C1 domain containing phosphatase isoform 3    |
| IPI:IPI00031547.1 | 3  | 107.4 | 5.00  | 0.146 | Desmoglein-3 precursor                                    |
| IPI:IPI00306170.5 | 1  | 72.7  | 10.05 | 0.125 | Isoform 1 of GAS2-like protein 1                          |
| IPI:IPI00217963.2 | 24 | 51.1  | 5.05  | 0.121 | Keratin, type I cytoskeletal 16                           |
| IPI:IPI00300594.3 | 1  | 65.3  | 8.70  | 0.119 | CDNA FLJ35435 fis, clone SMINT2002620                     |
| IPI:IPI00217842.4 | 2  | 67.6  | 9.14  | 0.116 | Hypothetical protein LOC114825 (function unknown)         |
| IPI:IPI00015557.3 | 2  | 17.7  | 6.01  | 0.097 | Coiled-coil domain-containing protein 48                  |

|                     |      |      |       |                                                |
|---------------------|------|------|-------|------------------------------------------------|
| IPI:IPI00218310.3 1 | 26.2 | 6.52 | 0.096 | Exosome complex exonuclease RRP41              |
| IPI:IPI00376143.1 2 | 60.6 | 6.25 | 0.029 | minichromosome maintenance protein 7 isoform 2 |

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