

**Supplementary Table 2.** The list of 6047 identified proteins in hippocampus, medial prefrontal cortex, and striatum of Tg-TRF and Tg-PO mice groups.

| Protein accession  | Protein names                         | Gene names    | Average LFQ intensity (Log2) |         | Number of peptides | Molecular weight (kDa) | Maxquant score | MS/MS count | p-value  | q-value  |
|--------------------|---------------------------------------|---------------|------------------------------|---------|--------------------|------------------------|----------------|-------------|----------|----------|
|                    |                                       |               | Tg-PO                        | Tg-TRF  |                    |                        |                |             |          |          |
| <b>Hippocampus</b> |                                       |               |                              |         |                    |                        |                |             |          |          |
| AOA068BEQ2;P501    | Estradiol 17-beta-dehydrogenase 8     | H2-Ke6;Hsd17b | 21.0762                      | 21.4822 | 3                  | 26.587                 | 31.399         | 15          | 0.691486 | 0.832373 |
| Q78ZJ8;AOA068BFF   | Ras-related protein Rab-11B;Ras-re    | Rab11b;Rab11a | 26.6908                      | 27.3074 | 12                 | 24.489                 | 62.76          | 286         | 0.16452  | 0.472114 |
| Q3V3A4;AOA068BC    | Vacuolar protein sorting-associate    | Vps52         | 20.1822                      | 20.5463 | 4                  | 82.099                 | 10.871         | 5           | 0.743231 | 0.862985 |
| Q7JCZ1;AOA075DC    | Cytochrome c oxidase subunit 2        | mt-Co2;COX2;N | 27.0096                      | 27.3749 | 6                  | 25.976                 | 165.69         | 388         | 0.565307 | 0.75265  |
| Q7JCX7;Q7JCA9;G3   | Cytochrome c oxidase subunit 3        | mt-Co3;COX3;C | 24.2248                      | 21.0563 | 1                  | 29.922                 | 17.822         | 15          | 0.095164 | 0.430785 |
| AOA076FSX1;AOA07   | Solute carrier family 12 member 5     | Slc12a5       | 27.1182                      | 22.4803 | 35                 | 123.59                 | 323.31         | 454         | 0.135785 | 0.451772 |
| AOA087WNM1;Q9      | SLIT-ROBO Rho GTPase-activating p     | Srgap2        | 21.5921                      | 20.3197 | 6                  | 98.278                 | 34.76          | 9           | 0.039691 | 0.358336 |
| AOA087WPE4;AOA0    | Transcription elongation factor B p   | Tceb1         | 22.6849                      | 22.1586 | 2                  | 5.4431                 | 3.9372         | 18          | 0.621784 | 0.789887 |
| AOA087WNV1;AOA     | Arf-GAP domain and FG repeat-cor      | Agfg1         | 20.1514                      | 20.9244 | 4                  | 53.974                 | 23.775         | 8           | 0.316557 | 0.576112 |
| Q3TYE5;AOA087WF    | Limbic system-associated membra       | Lsamp         | 25.7784                      | 26.7997 | 14                 | 37.31                  | 303.37         | 223         | 0.326387 | 0.579562 |
| AOA087WP83;Q3V     | Vigilin                               | Hdlbp         | 20.3823                      | 19.4417 | 4                  | 134.21                 | 14.917         | 3           | 0.253167 | 0.526993 |
| AOA087WPL5;E9Q     | ATP-dependent RNA helicase A          | Dhx9          | 24.7224                      | 21.1241 | 24                 | 149.62                 | 323.31         | 93          | 0.047539 | 0.385838 |
| AOA087WPP8;Q6A     | Abl interactor 2                      | Abi2          | 23.0321                      | 22.7798 | 11                 | 52.482                 | 82.095         | 50          | 0.881132 | 0.933407 |
| E9Q9P4;F7BHL0;J3   | Calcium-activated potassium chanr     | Kcnma1        | 22.146                       | 20.5665 | 6                  | 118.43                 | 11.943         | 12          | 0.159835 | 0.46957  |
| Q6P5H4;E9QAN4;G    | Kinesin-like protein;Kinesin-like prc | Kif1a         | 23.7998                      | 20.7113 | 19                 | 190.99                 | 55.209         | 31          | 0.068258 | 0.421887 |
| AOA087WS46;O70     | Elongation factor 1-beta              | Eef1b2;Eef1b  | 23.8352                      | 23.7667 | 3                  | 20.136                 | 56.49          | 60          | 0.926633 | 0.958236 |
| AOA087WS83;Q61     | Voltage-dependent R-type calcium      | Cacna1e       | 21.9645                      | 20.7412 | 7                  | 257.2                  | 20.58          | 10          | 0.356961 | 0.598786 |
| AOA087WSS1;E9Q     | LisH domain and HEAT repeat-cont      | 2310035C23Rik | 22.9377                      | 20.6004 | 15                 | 131.87                 | 53.74          | 26          | 0.06871  | 0.421439 |
| AOA0A0MQD5;Q4A     | SH3 and multiple ankyrin repeat dc    | Shank3        | 22.5317                      | 21.2721 | 11                 | 192.22                 | 28.859         | 24          | 0.018223 | 0.321806 |
| AOA0A0MQM0;P6      | Eukaryotic translation initiation fac | Eif5a;Eif5a2  | 21.7829                      | 20.9079 | 4                  | 16.302                 | 4.1999         | 9           | 0.69679  | 0.833142 |
| AOA0A1HAM8;P26     | Myristoylated alanine-rich C-kinase   | Marcks        | 24.8549                      | 24.3953 | 5                  | 29.721                 | 155.19         | 37          | 0.366884 | 0.6047   |
| AOA0A6YY34;AOA0    | Glutathione peroxidase;Glutathion     | Gpx1          | 21.9231                      | 19.7086 | 4                  | 16.353                 | 4.9716         | 9           | 0.000488 | 0.156854 |
| Q80XD3;AOA0A6YV    | Regulator of G-protein signaling 7    | Rgs7          | 23.2202                      | 24.6941 | 16                 | 55.014                 | 157.1          | 68          | 0.071631 | 0.421655 |
| A5JUJ1;AOA0A6YW    | Ubiquitin-60S ribosomal protein L4    | Ubc;Gm8797;U  | 27.2193                      | 27.5542 | 6                  | 8.5647                 | 146.05         | 377         | 0.472632 | 0.689219 |
| AOA0A6YWF5;AOA     | Sodium-coupled neutral amino acid     | Slc38a3       | 21.6311                      | 21.5867 | 2                  | 16.457                 | 41.572         | 16          | 0.963285 | 0.97604  |
| AOA0A6YWG7;E9Q     | Rap guanine nucleotide exchange f     | Rapgef2       | 24.0038                      | 21.9626 | 23                 | 184.11                 | 323.31         | 52          | 0.094122 | 0.433394 |

|  |                 |         |         |    |        |        |      |          |          |
|--|-----------------|---------|---------|----|--------|--------|------|----------|----------|
| A0A0A6YWM5;E9C Rab3 GTPase-activating protein no       | Rab3gap2        | 22.1262 | 20.6612 | 11 | 152.54 | 75.053 | 19   | 0.133087 | 0.447427 |
| A0A0A6YX18;Q8BV V-type proton ATPase subunit H         | Atp6v1h         | 26.5967 | 27.5612 | 23 | 54.108 | 323.31 | 398  | 0.062061 | 0.422596 |
| Q9CY93;Q5M9K9;A 60S ribosomal protein L31              | Rpl31           | 21.5653 | 23.0649 | 4  | 14.411 | 7.8739 | 33   | 0.471235 | 0.690315 |
| A0A0A6YX73;Q8K1 cAMP-dependent protein kinase ty       | Prkar2a         | 23.9268 | 25.497  | 15 | 43.165 | 323.31 | 111  | 0.024512 | 0.310164 |
| A0A0A6YY47 Neural cell adhesion molecule 1             | Ncam1           | 23.7663 | 19.8515 | 26 | 93.491 | 87.599 | 12   | 0.000994 | 0.159745 |
| B2RRE3;A0A0A6YYI Calmodulin-regulated spectrin-assc    | Camsap2         | 21.1941 | 19.0016 | 3  | 165.66 | 25.85  | 6    | 0.062655 | 0.417785 |
| A0A0A6YY91 Neural cell adhesion molecule 1             | Ncam1           | 28.5208 | 24.7899 | 32 | 116.26 | 323.31 | 558  | 0.052318 | 0.398459 |
| Q4FJX1;Q3UGH8;A Importin subunit alpha;Importin su     | Kpna4           | 19.865  | 21.6317 | 6  | 57.922 | 9.9715 | 10   | 0.01605  | 0.307046 |
| A0A0G2JDF8;Q99N Serrate RNA effector molecule hon      | Srrt            | 21.5645 | 20.1755 | 2  | 58.1   | 2.9266 | 2    | 0.106371 | 0.434958 |
| B9EHV0;A0A0G2JD Leucine-rich repeat-containing pro     | Lrrc7           | 23.428  | 21.0547 | 12 | 156.67 | 32.013 | 30   | 0.023537 | 0.312593 |
| A0A0G2JDV8;Q9DA Calponin-3                             | Cnn3            | 20.8724 | 20.4761 | 4  | 31.395 | 6.1174 | 5    | 0.551211 | 0.74562  |
| A0A0G2JDX4;A0A0 Tetraspanin;Tetraspanin-2              | Tspan2          | 22.231  | 21.6266 | 3  | 9.5218 | 96.631 | 11   | 0.687336 | 0.831738 |
| A0A0G2JEG8;Q7TQ Amphiphysin                            | Amph            | 27.0744 | 25.3553 | 23 | 75.339 | 323.31 | 327  | 0.159924 | 0.468975 |
| A0A0G2JER9;O549 DnaJ homolog subfamily B membe         | Dnajb6          | 21.7488 | 22.015  | 6  | 26.998 | 11.704 | 23   | 0.857339 | 0.925281 |
| A0A0G2JES3;Q5M9 60S ribosomal protein L9               | Rpl9            | 22.5211 | 20.0484 | 3  | 21.622 | 6.065  | 16   | 0.007596 | 0.24911  |
| Q52KF2;Q80TP0;A Seizure 6-like protein                 | Sez6l           | 20.3878 | 20.7341 | 2  | 54.262 | 12.187 | 8    | 0.783123 | 0.886253 |
| A0A0G2JGQ6;A3KN Serine/threonine-protein kinase D      | Dclk1           | 25.3075 | 23.5556 | 19 | 82.104 | 187.23 | 111  | 0.090454 | 0.433908 |
| A0A0G2JGX4;Q6PI Sodium/potassium-transporting A1       | Atp1a3          | 32.2969 | 30.1091 | 63 | 112.99 | 323.31 | 3889 | 0.231863 | 0.518226 |
| A0A0G2JGY9;Q7TM Lipid phosphate phosphatase-relat      | Lppr4           | 23.7683 | 22.5129 | 11 | 76.746 | 49.006 | 27   | 0.06093  | 0.418434 |
| B1AWN6;A0A0R5R Sodium channel protein                  | Scn2a1          | 24.5173 | 21.6361 | 23 | 227.94 | 164.99 | 59   | 0.206237 | 0.49838  |
| A0A0J9YTY0;A0A0J Septin-11                             | Sept11          | 25.1985 | 25.483  | 20 | 48.978 | 323.31 | 104  | 0.824909 | 0.911711 |
| A0A0J9YU62;Q887 C-terminal-binding protein 1           | Ctbp1           | 23.7346 | 23.4273 | 14 | 46.527 | 323.31 | 119  | 0.888584 | 0.93575  |
| A0A0J9YUD8;Q8C7 High mobility group protein B1         | Hmgb1           | 25.3402 | 26.1857 | 7  | 19.774 | 59.332 | 93   | 0.177985 | 0.480709 |
| A0A0J9YUI1;Q6ZW Ubiquitin-conjugating enzyme E2 K      | Ube2k           | 21.3067 | 20.0575 | 4  | 15.81  | 5.8378 | 12   | 0.217425 | 0.503461 |
| A0A0J9YUN4;A0A0 Dynamin-1                              | Dnm1            | 30.1835 | 29.351  | 64 | 97.294 | 323.31 | 2250 | 0.248444 | 0.530212 |
| A0A0J9YUS5;E9PVC Eukaryotic translation initiation fac | Eif4g1          | 22.3237 | 20.4108 | 13 | 145.31 | 36.862 | 23   | 0.105377 | 0.434207 |
| A0A0J9YVF0;Q14BI Metabotropic glutamate receptor       | Grm2            | 20.8394 | 20.6275 | 6  | 65.785 | 6.6061 | 6    | 0.86617  | 0.93106  |
| A0A0N4SV66;A0AL Histone H2A;Histone H2A type 1-H       | Hist1h2ah;Hist1 | 30.4419 | 29.9556 | 4  | 13.66  | 75.435 | 422  | 0.694129 | 0.833058 |
| A0A0N4SVB5;Q6PE Proline-rich transmembrane protei      | Prrt3           | 20.9461 | 20.4491 | 5  | 101.29 | 14.61  | 11   | 0.788204 | 0.891375 |
| A0A0N4SVB8;Q9D ADP-ribosylation factor-like proteir    | Arl8b           | 21.6956 | 20.2956 | 6  | 15.985 | 9.9578 | 28   | 0.482278 | 0.69571  |
| Z4YKC4;A0A0R4J11 Eukaryotic translation initiation fac | Eif4g3          | 20.4842 | 20.6787 | 5  | 173.55 | 26.629 | 6    | 0.874957 | 0.932398 |
| A0A0N4SVP8;Q91V Eukaryotic initiation factor 4A-III;E  | Eif4a3;Gm8994   | 20.4065 | 21.2151 | 9  | 46.959 | 25.846 | 9    | 0.36317  | 0.603531 |
| A0A0N4SVQ1;Q62 Cytochrome c oxidase subunit NDL        | Ndufa4          | 26.9907 | 27.567  | 6  | 5.8765 | 45.341 | 244  | 0.568303 | 0.755388 |

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|--|----------------|---------|---------|----|--------|--------|-----|----------|----------|
| AOA0N4SVT3;AOA0 Guanine nucleotide-binding protei    | Gng12          | 22.7752 | 24.2076 | 4  | 7.1971 | 15.886 | 41  | 0.554196 | 0.747769 |
| AOA0R3P9C8;Q9DC NADH dehydrogenase [ubiquinone       | Ndufa9         | 26.3053 | 24.989  | 19 | 42.121 | 323.31 | 334 | 0.210194 | 0.49894  |
| AOA0R4IZX5;P5506 Neurocan core protein               | Ncan           | 27.3249 | 24.6626 | 31 | 137.17 | 323.31 | 340 | 0.140585 | 0.454567 |
| AOA0R4IZY0;Q8C1 Thimet oligopeptidase                | Thop1          | 23.1891 | 21.9633 | 17 | 78.026 | 92.013 | 41  | 0.366332 | 0.60441  |
| AOA0R4J023;Q9JLZ Methylglutaconyl-CoA hydratase,     | r Auh          | 24.424  | 25.087  | 10 | 33.338 | 216.94 | 161 | 0.245877 | 0.532513 |
| AOA0R4J036;P0855 Neurofilament medium polypeptid     | Nefm           | 28.4585 | 27.6158 | 41 | 95.94  | 323.31 | 728 | 0.079394 | 0.426709 |
| AOA0R4J052;G5E81 Hydroxyacylglutathione hydrolase,   | Hagh           | 24.6542 | 25.232  | 7  | 28.92  | 71.603 | 81  | 0.153978 | 0.465119 |
| AOA0R4J087;Q8BJI Sodium-dependent neutral amino      | Slc6a17        | 24.2391 | 23.1569 | 10 | 80.756 | 224.25 | 62  | 0.183957 | 0.484621 |
| AOA0R4J094;Q3TC Fumarylacetoacetate hydrolase do     | Fahd2          | 22.6267 | 21.7565 | 9  | 34.676 | 86.643 | 41  | 0.449186 | 0.670234 |
| Q3UIZ0;AOA0R4J0F Cyclin-G-associated kinase          | Gak            | 20.9464 | 20.8317 | 10 | 143.64 | 10.401 | 13  | 0.894449 | 0.937625 |
| AOA0R4J0G0;Q8BH Phosphoenolpyruvate carboxykina      | Pck2           | 20.4353 | 22.2759 | 12 | 73.417 | 60.642 | 38  | 0.312143 | 0.573273 |
| AOA0R4J0I9;Q91ZX Prolow-density lipoprotein recepto  | Lrp1           | 25.3844 | 24.4684 | 38 | 504.77 | 261.86 | 118 | 0.278343 | 0.545484 |
| Z4YL78;AOA0R4J0K Cytoskeleton-associated protein 5   | Ckap5          | 23.3997 | 21.0277 | 21 | 218.71 | 76.112 | 32  | 0.10682  | 0.435686 |
| AOA0R4J0M9;Q80T Deubiquitinating protein VCIP135     | Vcpip1         | 20.9025 | 20.7305 | 5  | 134.44 | 23.803 | 7   | 0.665881 | 0.817472 |
| AOA0R4J0Q5;P216 Lamin-B2                             | Lmnb2          | 23.795  | 24.5968 | 15 | 69.084 | 68.497 | 24  | 0.280551 | 0.54648  |
| AOA0R4J0S4;Q80Y1 Lethal(2) giant larvae protein homc | Lgl1           | 21.0597 | 20.4204 | 6  | 115.56 | 13.621 | 8   | 0.018263 | 0.319001 |
| AOA0R4J0X5;Q008 Alpha-1-antitrypsin 1-3;Alpha-1-an   | Serpina1c;Serp | 21.4701 | 23.0023 | 11 | 45.854 | 252.7  | 33  | 0.193365 | 0.492453 |
| AOA0R4J0Z1;P0800 Protein disulfide-isomerase A4      | Pdia4          | 20.9824 | 21.5992 | 7  | 72.369 | 29.611 | 13  | 0.519802 | 0.720105 |
| Q8BR89;Q50H70;A Aquaporin-4                          | Aqp4           | 24.186  | 20.7137 | 4  | 23.938 | 69.276 | 34  | 0.004235 | 0.212665 |
| G3UYZ1;AOA0R4J1 Immunoglobulin superfamily meml      | Igsf8          | 26.232  | 25.6779 | 15 | 58.131 | 323.31 | 173 | 0.324001 | 0.57788  |
| AOA0R4J150;B9EJ8 Oxysterol-binding protein           | Osbpl8         | 19.7718 | 20.9262 | 3  | 96.98  | 5.5328 | 6   | 0.110624 | 0.433593 |
| AOA0R4J1E2;F6ZFU Elongation factor 1-delta           | Eef1d          | 23.3525 | 21.6456 | 9  | 72.93  | 48.347 | 36  | 0.297256 | 0.554808 |
| AOA0R4J1F4;A2AGI MAP kinase-activating death doma    | Madd           | 23.88   | 21.7264 | 18 | 173.2  | 142.61 | 47  | 0.131671 | 0.445464 |
| Q3TMU8;AOA0R4J1 Dihydropyrimidinase-related prote    | Dpysl4         | 25.5745 | 26.3414 | 21 | 61.927 | 323.31 | 194 | 0.124121 | 0.439346 |
| AOA0R4J1N9;Q3TS Transcription factor A, mitochondr   | Tfam           | 21.5002 | 21.1289 | 3  | 23.384 | 4.5944 | 13  | 0.79902  | 0.90107  |
| G3UZI2;AOA0R4J25 Heterogeneous nuclear ribonucleo    | Syncrip        | 21.7193 | 22.7196 | 10 | 58.751 | 52.852 | 41  | 0.206708 | 0.49802  |
| Q8BME2;AOA0R4J2 NADH dehydrogenase [ubiquinone       | Ndufa12        | 25.0324 | 26.6544 | 9  | 17.374 | 31.559 | 107 | 0.030566 | 0.327462 |
| AOA0R4J2B0;V9GX CUGBP Elav-like family member 2      | Celf2          | 21.955  | 23.0531 | 8  | 46.607 | 37.674 | 23  | 0.008561 | 0.264564 |
| AOA0R4J2B2;Q6W BTB/POZ domain-containing protei      | Kctd12         | 23.9391 | 21.8845 | 12 | 35.888 | 107.85 | 99  | 0.188894 | 0.486463 |
| Q5DTI3;AOA0R4J2C Synaptotagmin-2                     | Syt2;syt II    | 20.7213 | 21.8756 | 11 | 36.063 | 39.573 | 16  | 0.148287 | 0.457386 |
| Q3TSS0;AOA0U1RNS-adenosylmethionine synthase;S-      | Mat2a          | 20.626  | 21.6165 | 4  | 39.754 | 28.041 | 15  | 0.283634 | 0.547837 |
| AOA0U1RP13;Q8VI CDP-diacylglycerol--inositol 3-phos  | Cdipt          | 21.5636 | 20.8016 | 4  | 20.292 | 11.648 | 23  | 0.500491 | 0.708    |
| AOA140LHL5;Q8VD NAD-dependent protein deacetyla      | Sirt2          | 25.1189 | 25.1389 | 19 | 39.425 | 323.31 | 228 | 0.981243 | 0.986153 |

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|--|-----------------|---------|---------|----|--------|--------|-----|----------|----------|
| A0A140T8I9;E9Q3L Phosphatidylinositol 4-kinase alpha | Pi4ka           | 24.6117 | 21.4677 | 36 | 231.35 | 181.6  | 73  | 0.084739 | 0.430936 |
| Q6ZWZ4;Q5M9L1;60S ribosomal protein L36              | Rpl36           | 22.8285 | 22.1385 | 4  | 12.254 | 6.0155 | 26  | 0.645984 | 0.801619 |
| Q91YK6;Q4V9X9;Q 60S ribosomal protein L23a           | Rpl23a          | 22.5204 | 24.5421 | 7  | 16.94  | 12.4   | 32  | 0.137764 | 0.45553  |
| Q5EBJ0;A0A140T8\ Fatty acid-binding protein, heart   | Fabp3           | 22.2941 | 20.9001 | 5  | 14.819 | 10.731 | 46  | 0.429942 | 0.660532 |
| Q9ME04;Q7JCY6;A NADH-ubiquinone oxidoreductase       | ND4;mt-Nd4;M    | 23.3776 | 20.3399 | 3  | 51.851 | 138.9  | 14  | 0.015442 | 0.302631 |
| Q3UVI0;Q3UQ68;Q NADH-ubiquinone oxidoreductase       | mt-Nd5;ND5;M    | 23.6454 | 21.2689 | 4  | 41.182 | 20.857 | 12  | 0.101295 | 0.434082 |
| A0A1B0GR11;Q93C Transaldolase                        | Taldo1          | 25.3173 | 24.0966 | 15 | 42.151 | 74.669 | 183 | 0.264203 | 0.534727 |
| A0A1B0GRH2;Q3V: Receptor-type tyrosine-protein ph    | Ptpre           | 20.7026 | 19.3992 | 3  | 82.092 | 3.4786 | 8   | 0.310726 | 0.573291 |
| Q5PR72;Q3TXZ6;A cGMP-dependent 3,5-cyclic phosph     | Pde2a           | 24.6776 | 22.6288 | 22 | 105.25 | 323.31 | 75  | 0.077013 | 0.425294 |
| Q544R1;Q3UYN1;A Proline synthase co-transcribed ba   | Prosc           | 21.7941 | 22.1881 | 7  | 30.048 | 34.725 | 46  | 0.841108 | 0.918872 |
| A0A1B0GRU0;Q3T Vesicular glutamate transporter 1     | Slc17a7         | 27.46   | 26.3902 | 11 | 64.318 | 323.31 | 239 | 0.234792 | 0.522591 |
| A0A1B0GRV0;Q3UI3(2),5-bisphosphate nucleotidase 1    | Bpnt1           | 23.2122 | 23.9616 | 11 | 34.973 | 71.566 | 84  | 0.447205 | 0.667898 |
| A0A1B0GS08;J3QP: Protein stum homolog                | 6330403A02Rik   | 23.467  | 21.881  | 2  | 14.775 | 56.845 | 55  | 0.278952 | 0.545348 |
| A0A1B0GSM3;A0A: Arfaptin-2                           | Arfp2           | 20.9411 | 20.8679 | 6  | 29.348 | 28.478 | 17  | 0.955911 | 0.970403 |
| Q3UM23;A0A1B0G Ribonuclease inhibitor                | Rnh1            | 19.5167 | 21.5497 | 6  | 49.843 | 68.171 | 11  | 0.170769 | 0.473964 |
| Q564E2;Q3TI99;A0 L-lactate dehydrogenase;L-lactate   | Ldha            | 28.9169 | 27.856  | 22 | 36.498 | 323.31 | 756 | 0.091677 | 0.430774 |
| A0A1D5RM83;E9PL IQ motif and SEC7 domain-containi    | lqsec1          | 24.9731 | 22.4843 | 22 | 117.93 | 182.27 | 114 | 0.063678 | 0.421112 |
| D3Z4T6;A0A4W9;Q Neuronal growth regulator 1          | Negr1           | 22.8591 | 22.3515 | 7  | 36.208 | 48.051 | 28  | 0.695884 | 0.833919 |
| A0JLV3;B2RVD5;B2 Histone H2B;Histone H2B type 1-P;   | Hist1h2bj;Hist1 | 29.665  | 31.1157 | 7  | 13.579 | 147.53 | 410 | 0.174904 | 0.478827 |
| A0JNY3;Q8BUV3 Gephyrin;Molybdopterin adenylylt       | Gphn            | 23.8554 | 22.1285 | 21 | 83.665 | 223.08 | 72  | 0.339962 | 0.586809 |
| A1A4T2;Q8BHN3;Q Neutral alpha-glucosidase AB         | Ganab           | 24.18   | 22.2481 | 24 | 109.4  | 277.58 | 76  | 0.170772 | 0.473156 |
| A1BN54 Alpha actinin 1a                              | Actn1           | 27.5627 | 26.6473 | 48 | 102.72 | 323.31 | 556 | 0.124643 | 0.440222 |
| Q3TU85;A1E2B8;Q Heat shock 70 kDa protein 1A;Heat    | Hspa1b;Hspa1a   | 22.7638 | 23.4138 | 18 | 70.078 | 108.04 | 48  | 0.319336 | 0.577247 |
| A1L0U6;A2AS98;P2 Nck-associated protein 1            | Nckap1          | 27.0814 | 24.2726 | 50 | 129.38 | 323.31 | 392 | 0.083723 | 0.434008 |
| A1L151;Q99JG2 Prosaposin receptor GPR37L1            | Gpr37l1         | 23.3058 | 20.7781 | 3  | 38.32  | 12.407 | 16  | 0.061532 | 0.420776 |
| Q8BTS0;A1L333;Q5 Probable ATP-dependent RNA helic    | Ddx5            | 23.8042 | 24.3598 | 17 | 69.265 | 117.41 | 80  | 0.211229 | 0.499183 |
| A1L3B8;P26516 26S proteasome non-ATPase reguli       | Psmc7           | 21.3706 | 21.887  | 9  | 36.539 | 55.437 | 30  | 0.693153 | 0.832509 |
| A2A547;Q5I0T8;P8 Ribosomal protein L19;60S riboson   | Rpl19           | 23.6059 | 23.1937 | 5  | 23.247 | 9.8323 | 26  | 0.7332   | 0.856911 |
| A2A5N2;Q9CQV8;A 14-3-3 protein beta/alpha;14-3-3 p   | Ywhab           | 28.699  | 28.6294 | 15 | 28.086 | 323.31 | 346 | 0.874373 | 0.933013 |
| A2A6U3;Q80UG5;A Septin-9                             | Sept9           | 24.1274 | 23.5849 | 11 | 63.772 | 196.46 | 84  | 0.322944 | 0.577919 |
| A2A7S7;Q91WQ3 Tyrosine--tRNA ligase;Tyrosine--tRl    | Yars            | 22.9128 | 24.0152 | 20 | 63.001 | 240.12 | 58  | 0.128082 | 0.445514 |
| A2A813;Q99LX0;A2 Protein deglycase DJ-1              | Park7           | 26.2209 | 27.0311 | 12 | 18.474 | 112.06 | 247 | 0.243762 | 0.531513 |
| A2A9X5;Q9JM14 5(3)-deoxyribonucleotidase, cytos      | Nt5c            | 22.5302 | 23.5837 | 3  | 21.939 | 11.243 | 27  | 0.43805  | 0.665355 |

|   |         |         |    |        |        |      |          |          |
|---|---------|---------|----|--------|--------|------|----------|----------|
| Q3TLU0;A2ABY3;Q Ethanolamine-phosphate cytidylt Pcyt2             | 19.9664 | 21.206  | 4  | 43.46  | 28.61  | 5    | 0.146849 | 0.458226 |
| Q61833;A2ACG7;Q Dolichyl-diphosphooligosaccharide Rpn2            | 20.8849 | 20.7639 | 4  | 66.301 | 12.272 | 5    | 0.81896  | 0.908887 |
| A2ACL9;Q62443;Q: Neuronal pentraxin-1 Nptx1                       | 23.1423 | 24.2553 | 11 | 47.117 | 323.31 | 52   | 0.06232  | 0.419028 |
| A2AE27;Q9DBT5 AMP deaminase 2 Ampd2                               | 21.7691 | 20.8201 | 6  | 94.695 | 16.817 | 13   | 0.075458 | 0.423991 |
| A2AEG6;P35803;A2: Neuronal membrane glycoprotein I Gpm6b          | 26.4606 | 24.8303 | 10 | 36.196 | 281.67 | 185  | 0.401215 | 0.633976 |
| A2AEW9;A2AEW8;I GRIP1-associated protein 1 Gripap1                | 20.3924 | 20.1756 | 6  | 90.764 | 11.071 | 9    | 0.633185 | 0.794944 |
| A2AEX8;A2AEX6;P9: Four and a half LIM domains protei Fhl1         | 21.4252 | 20.7188 | 4  | 33.563 | 6.5567 | 8    | 0.37877  | 0.613592 |
| A2AFG7;A2AFG8;Q Neural cell adhesion molecule L1 L1cam            | 23.6529 | 20.225  | 18 | 139.82 | 143.66 | 47   | 0.000636 | 0.127741 |
| Q4JG03;A2AFQ0;Q E3 ubiquitin-protein ligase HUWE1 Huwe1           | 22.9754 | 20.7723 | 12 | 482.74 | 35.059 | 13   | 0.122681 | 0.438109 |
| Q99N15;A2AFQ2;Q 3-hydroxyacyl-CoA dehydrogenase Hsd17b10          | 23.4563 | 24.0598 | 8  | 27.273 | 58.16  | 84   | 0.350562 | 0.593628 |
| B2RWZ9;A2AGI2;Q Neuroligin-3 Nlgn3;mKIAA14                        | 22.5201 | 19.8581 | 9  | 91.189 | 82.875 | 18   | 0.010859 | 0.281465 |
| Q8BQW4;A2AH25;I Rho GTPase-activating protein 1 Arhgap1           | 23.5699 | 24.2597 | 17 | 54.441 | 175.91 | 74   | 0.244307 | 0.531979 |
| A2AHJ7;A2AHK0;Q: Diacylglycerol kinase;Diacylglycero Dgkz         | 22.0969 | 19.9108 | 10 | 105.9  | 31.181 | 19   | 0.018551 | 0.320556 |
| A2AI17;A2AI14;A2: Glutamate receptor ionotropic, NM Grin1         | 24.4197 | 22.4192 | 19 | 103.59 | 184.31 | 75   | 0.211528 | 0.499156 |
| A2AI78;Q80YA9 Connector enhancer of kinase sup; Cnksr2            | 21.9844 | 21.0195 | 10 | 101.68 | 111.19 | 29   | 0.38815  | 0.619422 |
| A2AKH7;Q8JZX5;Q: Leucine-rich repeat-containing pro: Lrrc57       | 22.5409 | 23.2666 | 6  | 24.132 | 15.94  | 37   | 0.162326 | 0.469168 |
| Q6P6I7;A2AL12;Q5 Heterogeneous nuclear ribonucleo Hnrnpa3         | 26.9068 | 25.2742 | 20 | 34.376 | 323.31 | 264  | 0.11105  | 0.434203 |
| Q8C048;A2ALL9;Q: Calcium-transporting ATPase Atp2b3               | 26.27   | 23.518  | 40 | 125.71 | 323.31 | 169  | 0.214976 | 0.502862 |
| A2ALV3;Q62420;Q: Endophilin-A1 Sh3gl2                             | 28.0444 | 26.349  | 20 | 48.295 | 323.31 | 679  | 0.219866 | 0.506922 |
| I7HLV2;Q3THJ6;A2: 60S ribosomal protein L10;60S ribo Rpl10;Rpl10I | 24.589  | 25.2775 | 8  | 23.072 | 19.176 | 74   | 0.313122 | 0.574414 |
| A2AMH3;A2AMH5; Choline transporter-like protein 1 Slc44a1         | 21.182  | 21.5243 | 5  | 59.117 | 36.11  | 18   | 0.712767 | 0.843459 |
| Q80YU9;A2AN96;O Putative hydrolase RBBP9 Rbbp9                    | 21.9669 | 20.7985 | 5  | 20.912 | 8.71   | 19   | 0.531518 | 0.728175 |
| H3BIW6;F7C3A0;A2: Phosphoinositide phospholipase C; Plch2         | 21.7316 | 19.4592 | 7  | 125.78 | 14.728 | 8    | 0.000221 | 0.088836 |
| A2AP31;Q3UIU2;A2: NADH dehydrogenase [ubiquinone Ndufb6           | 21.7084 | 22.8402 | 4  | 15.515 | 6.3184 | 25   | 0.555262 | 0.747325 |
| D3Z781;B2RY09;E9 Sickle tail protein Etl4;Skt                     | 21.0707 | 20.0336 | 5  | 146.61 | 9.3998 | 7    | 0.04151  | 0.364518 |
| A2AQL0;Q9Z1W9;C STE20/SPS1-related proline-alanine Stk39          | 20.1331 | 21.3957 | 6  | 60.319 | 122.17 | 12   | 0.406736 | 0.640182 |
| A2ARP8;Q9QYR6 Microtubule-associated protein 1A Map1a             | 29.2462 | 27.5513 | 97 | 325.88 | 323.31 | 1231 | 0.012961 | 0.297553 |
| A2ASW8;A2ASW4;I Rap guanine nucleotide exchange f Rapgef4         | 22.0603 | 20.2814 | 9  | 99.503 | 27.253 | 11   | 0.028072 | 0.315471 |
| A2ATI8;A2ATI6;Q3: Golgi reassembly-stacking protein : Gorasp2     | 19.526  | 20.0085 | 3  | 33.903 | 4.9629 | 3    | 0.64326  | 0.799474 |
| B6ZHC9;A2AUK5;Q Band 4.1-like protein 1 Epb4.1l1;Epb41            | 26.5951 | 24.7692 | 29 | 98.284 | 323.31 | 183  | 0.014473 | 0.298184 |
| A2AWI7;A2AWI9;Q Endophilin-B2 Sh3glb2                             | 23.5777 | 25.1945 | 14 | 44.907 | 323.31 | 111  | 0.094447 | 0.432411 |
| A2BE93;Q5U445;Q Protein SET Set;BC085271                          | 24.2709 | 21.382  | 4  | 24.923 | 41.123 | 30   | 0.184625 | 0.483213 |
| F6RB63;Q05CD2;A2: PC4 and SFRS1-interacting protein Psip1         | 19.8795 | 22.1573 | 5  | 10.353 | 29.78  | 38   | 0.179944 | 0.480348 |

|                  |   |                |         |         |     |        |        |      |          |          |
|------------------|---|----------------|---------|---------|-----|--------|--------|------|----------|----------|
| F6QYT9;A2CG49;A  | Kalirin   | Kalrn          | 22.1463 | 19.8987 | 13  | 270.65 | 39.235 | 13   | 0.055896 | 0.408293 |
| A2RRK3;O54988    | STE20-like serine/threonine-protein kinase                              | Slk            | 22.2199 | 19.7706 | 7   | 137.71 | 22.502 | 14   | 0.1099   | 0.434996 |
| A2RS22;Q9WUM3    | Coronin;Coronin-1B  | Coro1b         | 23.7559 | 24.1099 | 11  | 53.912 | 62.311 | 44   | 0.482814 | 0.695236 |
| A2RS23;Q11136    | Xaa-Pro dipeptidase   | Pepd           | 19.9982 | 22.0849 | 7   | 55.028 | 60.522 | 13   | 0.017671 | 0.322691 |
| A2RS58;P47941    | Crk-like protein  | Crkl           | 20.2306 | 20.0008 | 5   | 33.83  | 26.7   | 18   | 0.821805 | 0.910159 |
| A2RSB1;B7ZNL2;Q  | Nucleosome assembly protein 1-like                                      | Nap1l4         | 22.1618 | 23.2932 | 9   | 42.679 | 129.15 | 33   | 0.273326 | 0.539601 |
| A2RSV8;P19783;M  | Cytochrome c oxidase subunit 4 isoform 1                                | Cox4i1         | 28.1632 | 28.6073 | 10  | 19.53  | 233.64 | 535  | 0.507279 | 0.712585 |
| B2RPY3;A2RT62    | F-box/LRR-repeat protein 16   | Fbxl16         | 23.5041 | 23.024  | 10  | 51.878 | 153.63 | 36   | 0.83326  | 0.914651 |
| A2RTT4;P61089    | Ubiquitin-conjugating enzyme E2 N-ubiquitin                             | Ube2n          | 26.5027 | 27.2993 | 9   | 17.138 | 36.508 | 180  | 0.323024 | 0.57742  |
| B9EKJ1;A3KGU7;A3 | Spectrin alpha chain, non-erythrocyte                                   | Sptan1         | 31.5561 | 28.1141 | 186 | 285.18 | 323.31 | 4509 | 0.010473 | 0.285255 |
| A3KML3;F6YY69;F6 | 14-3-3 protein theta  | Ywhaq          | 28.1744 | 28.1251 | 18  | 27.778 | 323.31 | 382  | 0.952251 | 0.969752 |
| E9Q9C5;Q8C1D9;A  | V-type proton ATPase 16 kDa isoform 4                                   | Atp6v0c;Gm15c4 | 26.5926 | 25.4943 | 2   | 15.265 | 323.31 | 73   | 0.062264 | 0.420413 |
| Q7M6W1;A3QM89    | Reticulon   | Rtn1           | 25.117  | 25.4894 | 7   | 23.557 | 16.349 | 196  | 0.250259 | 0.529863 |
| A4FUS1;Q641N3;Q  | 40S ribosomal protein S16   | Rps16          | 24.2142 | 25.6806 | 7   | 16.445 | 29.674 | 128  | 0.176711 | 0.4805   |
| D3Z5I6;A4GZ26;E9 | IQ motif and SEC7 domain-containing protein 2                           | Iqsec2         | 23.0429 | 19.6035 | 13  | 128.02 | 49.598 | 16   | 5.15E-05 | 0.082797 |
| A5CVE4;I1E4X8;B7 | Stromal interaction molecule 2  | Stim2          | 21.31   | 19.7587 | 3   | 83.924 | 9.1715 | 2    | 0.161885 | 0.469582 |
| A5GZX3;Q9CPU0    | Lactoylglutathione lyase  | Glo1           | 25.3107 | 26.6516 | 10  | 20.809 | 54.316 | 208  | 0.212781 | 0.500643 |
| A7VJ98;Q9CQI3;Q8 | Glia maturation factor beta   | Gmfb           | 23.0414 | 23.7914 | 5   | 16.722 | 12.824 | 35   | 0.699486 | 0.833265 |
| Q3TMT4;Q3THE7;A  | 4-trimethylaminobutyraldehyde dehydrogenase                             | Aldh9a1        | 21.0767 | 21.847  | 7   | 53.529 | 90.002 | 20   | 0.669313 | 0.819806 |
| A8DUK4;A8DUK7;A  | Hemoglobin subunit beta-1   | Hbbt1;Hbb-b1;t | 31.0305 | 32.0757 | 14  | 15.748 | 272.76 | 1512 | 0.339768 | 0.587104 |
| A8IP69;P61982    | 14-3-3 protein gamma;14-3-3 protein                                     | Ywhag          | 30.1445 | 29.9921 | 18  | 28.302 | 323.31 | 630  | 0.813324 | 0.906388 |
| A9DA50;Q9D1T0    | Leucine-rich repeat and immunoglobulin-like domain-containing protein 1 | Lingo1         | 22.4266 | 21.5241 | 8   | 69.831 | 36.797 | 32   | 0.083372 | 0.434998 |
| B0LAE3;Q9CSX6;P6 | Pleiotrophin  | Ptn            | 22.5413 | 23.0784 | 2   | 7.6919 | 2.6519 | 5    | 0.840711 | 0.920316 |
| Q8CHR4;O35619;B  | Vesicle-associated membrane protein 2                                   | Vamp2;Vamp3    | 28.6799 | 29.2486 | 7   | 12.691 | 323.31 | 593  | 0.503112 | 0.708589 |
| B0QZW1;F2Z488;C  | Glutamate receptor 3  | Gria3          | 22.3783 | 20.339  | 12  | 100.45 | 191.12 | 14   | 0.170603 | 0.474323 |
| B0V2N1;Q3UNN3    | Receptor-type tyrosine-protein phosphatase                              | Ptprs          | 22.8157 | 22.4691 | 17  | 211.9  | 122.15 | 40   | 0.681332 | 0.827589 |
| B0V2P5;Q8BPN8;F  | DmX-like protein 2  | Dmxl2          | 27.6952 | 23.9942 | 92  | 340.69 | 323.31 | 493  | 0.052044 | 0.404034 |
| H3BKL8;B1AQF4;Q  | Dual specificity protein phosphatase                                    | Dusp3          | 23.7922 | 24.987  | 3   | 16.013 | 41.339 | 43   | 0.029931 | 0.32281  |
| B1AQX6;B1AQX7    | SRC kinase-signaling inhibitor 1  | Srcin1         | 25.9543 | 23.6056 | 48  | 126.99 | 323.31 | 184  | 0.000498 | 0.133349 |
| B1AQZ0;B1AQY9;Q  | Septin-8  | Sept8          | 25.501  | 26.4171 | 19  | 55.874 | 323.31 | 134  | 0.113847 | 0.434567 |
| Q3UJR6;B1AR28;P  | Very long-chain specific acyl-CoA dehydrogenase                         | Acadvl         | 21.0062 | 21.1838 | 8   | 55.354 | 29.458 | 17   | 0.883036 | 0.932351 |
| B1ARA3;Q4FZH2;P  | 60S ribosomal protein L26   | Rpl26          | 23.3285 | 23.6729 | 6   | 12.217 | 12.686 | 64   | 0.813627 | 0.906097 |
| E9QA63;B1ARU4;E  | Microtubule-actin cross-linking factor 1                                | Macf1          | 24.2162 | 21.5889 | 38  | 831.93 | 123.75 | 55   | 0.10105  | 0.435353 |

|  |             |         |         |    |        |        |      |          |          |
|--|-------------|---------|---------|----|--------|--------|------|----------|----------|
| Q3TEN9;Q3TET2;B: Glycerol kinase                                     | Gyk;Gk      | 21.5086 | 22.1523 | 8  | 57.427 | 29.845 | 23   | 0.688511 | 0.831282 |
| B1AT92;Q3U5I5;Q Growth factor receptor-bound protein 2               | Grb2        | 25.1904 | 25.7126 | 12 | 23.587 | 35.01  | 112  | 0.192027 | 0.491382 |
| Q6A075;Q3U8N2;B Growth arrest-specific protein 7                     | Gas7        | 22.8013 | 21.8569 | 6  | 40.715 | 37.636 | 31   | 0.31894  | 0.578483 |
| Q3MIA8;B1ATU4;G COP9 signalosome complex subunit 1                   | Gps1        | 21.4441 | 22.6404 | 9  | 55.163 | 55.601 | 28   | 0.151141 | 0.46088  |
| B1ATZ0;B1ATZ1;Q Hepatocyte growth factor-regulated tyrosine kinase 1 | Hgs         | 21.1635 | 21.4702 | 9  | 85.778 | 68.325 | 25   | 0.830497 | 0.914742 |
| B1AU25;Q9Z0X1;Q Apoptosis-inducing factor 1, mitochondrial           | Aifm1;Pdcd8 | 21.5667 | 20.7566 | 6  | 66.113 | 42.584 | 17   | 0.416373 | 0.650254 |
| B1AW58;Q8BW96; Calcium/calmodulin-dependent protein kinase II        | Camk1d      | 23.5581 | 22.2982 | 12 | 42.918 | 81.815 | 76   | 0.464381 | 0.684016 |
| B1AWD8;B1AWD9; Clathrin light chain A                                | Clta        | 25.8918 | 24.5298 | 9  | 25.661 | 59.619 | 94   | 0.202211 | 0.497631 |
| B1AWT2;B1AWT3; Ras-related GTP-binding protein C; Rags               | Rragd;Rragc | 19.8703 | 20.7298 | 5  | 45.145 | 7.2511 | 9    | 0.245555 | 0.532532 |
| J7K287;G3F8Y7;Q8 Anion exchange protein, sodium-dependent            | Slc4a10     | 23.5336 | 21.5288 | 13 | 122.34 | 102.13 | 48   | 0.19084  | 0.489124 |
| B1AX58;A0A1C7CY Plastin-3  | Pls3        | 22.7264 | 23.4252 | 16 | 71.745 | 73.297 | 58   | 0.339589 | 0.587427 |
| B1AX98;E9PV22;Q Leucine-rich repeat-containing protein 47            | Lrrc47      | 21.4229 | 21.9108 | 10 | 63.589 | 34.49  | 14   | 0.460679 | 0.680433 |
| B1AXF2;Q8BUN9 Solute carrier family 24 (sodium/calcium)              | Slc24a2     | 22.9419 | 21.2921 | 7  | 73.811 | 71.707 | 32   | 0.010314 | 0.285758 |
| B1AZ46;Q3UKP6;Q Brain-specific angiogenesis inhibitor 2              | Baiap2      | 23.281  | 24.6403 | 20 | 57.681 | 323.31 | 155  | 0.133983 | 0.4495   |
| B1GX80;B1GX81;Q Non-specific serine/threonine protein kinase 3       | Pak3        | 19.6608 | 22.8726 | 11 | 63.001 | 64.511 | 22   | 0.064163 | 0.420854 |
| E9QMC2;B2BH30;C Metabotropic glutamate receptor 5                    | Grm5        | 23.0884 | 20.8126 | 13 | 128.27 | 50.129 | 36   | 0.010885 | 0.277644 |
| B2CY77;P14206 40S ribosomal protein SA                               | Rpsa        | 24.67   | 23.9998 | 12 | 32.85  | 323.31 | 131  | 0.206006 | 0.499323 |
| B2KGP3;Q80TLO Protein phosphatase 1E                                 | Ppm1e       | 25.4657 | 24.5723 | 16 | 83.418 | 197.37 | 97   | 0.313708 | 0.574833 |
| B2M1R6;Q3U9Q3;Q3U6X2;H3BKD0;H3BK18                                   | Hnrnpk      | 26.3835 | 26.5266 | 20 | 48.562 | 323.31 | 333  | 0.881884 | 0.933589 |
| B2M1R7;Q61990;C Poly(rC)-binding protein 2                           | Pcbp2       | 23.1544 | 23.0361 | 11 | 38.15  | 51.991 | 87   | 0.937797 | 0.965432 |
| Q3UWP8;B2MWM Calreticulin  | Calr        | 25.5301 | 26.8508 | 22 | 42.195 | 323.31 | 240  | 0.246502 | 0.532431 |
| B2RPS1;Q0PD56;P Ras-related protein Rab-5B                           | Rab5b       | 21.7421 | 21.514  | 7  | 23.707 | 9.7409 | 17   | 0.873997 | 0.933232 |
| B2RQQ5;P14873 Microtubule-associated protein 1B                      | Map1b       | 28.2764 | 26.701  | 70 | 270.3  | 323.31 | 703  | 0.042651 | 0.368493 |
| B2RQQ7;Q7TT50 Non-specific serine/threonine protein kinase 42        | Cdc42bpb    | 21.2035 | 21.929  | 8  | 194.73 | 89.123 | 11   | 0.549132 | 0.745317 |
| K3W4L0;B2RRE2;E Unconventional myosin-XVIIIa                         | Myo18a      | 23.7331 | 21.4081 | 26 | 230.99 | 211.9  | 56   | 0.059135 | 0.413171 |
| B2RRH9;Q3THK7 GMP synthase [glutamine-hydrolyzing]                   | Gmps        | 22.4194 | 21.6235 | 12 | 76.723 | 87.921 | 28   | 0.471444 | 0.689992 |
| B2RRU7;Q9ESM3 Hyaluronan and proteoglycan link protein 2             | Hapln2      | 21.77   | 21.0281 | 6  | 37.925 | 17.631 | 28   | 0.573782 | 0.755793 |
| B2RRX2;P63328 Serine/threonine-protein phosphatase 3                 | Ppp3ca      | 28.7849 | 29.4711 | 25 | 58.643 | 323.31 | 1075 | 0.201192 | 0.498174 |
| F2Z3Z1;B2RRY8;Q8 Hippocalcin-like protein 4                          | Hpcal4      | 24.3811 | 24.7924 | 8  | 18.05  | 12.888 | 33   | 0.69679  | 0.833761 |
| B2RS41;Q8BWF0 Succinate-semialdehyde dehydrogenase                   | Aldh5a1     | 25.7004 | 26.6014 | 19 | 55.968 | 323.31 | 211  | 0.140578 | 0.455462 |
| B2RSC8;P46935 E3 ubiquitin-protein ligase NEDD4                      | Nedd4       | 20.7941 | 20.237  | 6  | 102.71 | 14.283 | 9    | 0.557767 | 0.74819  |
| B2RSH2 Guanine nucleotide-binding protein G(i)1                      | Gnai1       | 24.9801 | 23.2202 | 16 | 40.361 | 323.31 | 130  | 0.382334 | 0.61626  |
| B2RSN3;Q9CWF2 Tubulin beta-2B chain                                  | Tubb2b      | 19.4017 | 22.6431 | 30 | 49.953 | 12.361 | 28   | 0.126587 | 0.444158 |

|                   |   |                 |         |         |    |        |        |      |          |          |
|-------------------|---|-----------------|---------|---------|----|--------|--------|------|----------|----------|
| B2RSR7;Q3ULJ0     | Glycerol-3-phosphate dehydrogenase            | Gpd1l           | 24.765  | 23.627  | 13 | 38.225 | 91.897 | 77   | 0.043321 | 0.368345 |
| B2RSY3;Q640R3     | Hepatocyte cell adhesion molecule             | Hepacam         | 23.9555 | 22.7483 | 8  | 46.366 | 76.951 | 48   | 0.42652  | 0.656531 |
| B2RT97;Q9WVJ2;E!  | 26S proteasome non-ATPase regul               | Psmd13          | 21.6061 | 21.8662 | 12 | 42.809 | 38.606 | 26   | 0.749016 | 0.865949 |
| B2RTM0;P62806;Q   | Histone H4                                    | Hist2h4;Hist1h4 | 30.4525 | 31.6469 | 12 | 11.367 | 156.52 | 1266 | 0.284356 | 0.546602 |
| Q3TSU7;B2RTN5;Q   | Rho GTPase-activating protein 35              | Arhgap35        | 21.1661 | 19.853  | 5  | 135.11 | 10.619 | 9    | 0.025164 | 0.311065 |
| B2RUC7;Q9Z1Z2     | Serine-threonine kinase receptor-a            | Strap           | 23.8509 | 22.4345 | 13 | 38.442 | 31.234 | 49   | 0.201581 | 0.497605 |
| Q3TWM9;Q3UAS4;    | Prosaposin                                    | Psap            | 23.426  | 21.5476 | 7  | 58.298 | 16.177 | 11   | 0.204401 | 0.499197 |
| B2RUG6;P59764;Q   | Deducator of cytokinesis protein 4            | Dock4           | 23.0949 | 21.7983 | 16 | 222.19 | 63.368 | 28   | 0.115683 | 0.43537  |
| B2RVP5;Q3THW5;F   | Histone H2A;Histone H2A.V;Histone H2afv;H2afz |                 | 22.753  | 23.5674 | 4  | 13.509 | 5.0631 | 41   | 0.749034 | 0.865347 |
| Q3UGY4;Q3UGX2;E   | Spectrin beta chain, erythrocytic             | Sptb            | 24.4449 | 20.7997 | 44 | 268.09 | 213.29 | 81   | 0.094501 | 0.431428 |
| B2RXR2;Q8VD65;B   | Phosphoinositide 3-kinase regulator           | Pik3r4          | 20.4418 | 20.0756 | 3  | 152.57 | 8.6875 | 3    | 0.597515 | 0.77436  |
| B2RXT3;E9Q7L0     | Oxoglutarate dehydrogenase-like               | Ogdhl           | 25.9355 | 24.3717 | 41 | 114.56 | 323.31 | 206  | 0.079899 | 0.427993 |
| B2RXY7;P48758     | Carbonyl reductase [NADPH] 1                  | Cbr1            | 26.2254 | 25.5212 | 19 | 30.641 | 323.31 | 330  | 0.345526 | 0.589447 |
| B7U582;P17156     | Heat shock-related 70 kDa protein             | Hspa2           | 23.8144 | 24.6874 | 27 | 69.723 | 273.53 | 85   | 0.068795 | 0.420358 |
| B7ZCU2;B7ZCU5;Q   | Abl interactor 1                              | Abi1            | 23.847  | 25.0997 | 17 | 43.174 | 228.81 | 106  | 0.09231  | 0.429978 |
| B7ZNF6;E9QKH8;O   | Catenin delta-2                               | Ctnnd2          | 23.0225 | 20.8964 | 17 | 132.36 | 40.426 | 42   | 0.03948  | 0.364624 |
| B9EJ23;B7ZP42;O7I | Peripheral plasma membrane protein            | Cask            | 23.5279 | 22.4586 | 18 | 100.19 | 59.239 | 32   | 0.03611  | 0.360428 |
| Q545R3;Q3TSR4;B   | Protein NDRG1                                 | Ndr1            | 23.3837 | 22.558  | 8  | 43.008 | 97.625 | 39   | 0.556797 | 0.748137 |
| B9EKE9;B7ZWF1;Q   | ATP-dependent RNA helicase DDX3               | Ddx3x;D1Pas1    | 23.2087 | 22.4619 | 14 | 73.013 | 182.13 | 42   | 0.550298 | 0.746269 |
| B9EHN0;Q02053     | Ubiquitin-like modifier-activating enzyme     | Uba1            | 28.1832 | 27.391  | 49 | 117.81 | 323.31 | 932  | 0.34709  | 0.591489 |
| B9EHZ5;Q3UN60;Q   | MAGUK p55 subfamily member 6                  | Mpp6            | 21.692  | 23.5048 | 17 | 60.924 | 169.31 | 45   | 0.090951 | 0.431146 |
| B9EIC7;Q8K0S0     | Phytanoyl-CoA hydroxylase-interactor          | Phyhip          | 26.1807 | 25.4098 | 15 | 37.554 | 243.51 | 285  | 0.053631 | 0.406535 |
| B9EIE9;P46664     | Adenylosuccinate synthetase isoform           | Adss            | 20.2055 | 21.3109 | 7  | 50.02  | 41.573 | 14   | 0.252379 | 0.528091 |
| Q6TLW2;Q3UH37;E   | Neuronal pentraxin receptor                   | Nptxr;Npcd      | 22.02   | 21.6871 | 7  | 45.582 | 20.176 | 13   | 0.726313 | 0.853829 |
| B9EJ29;Q80UG2     | Plexin-A4                                     | Plxna4          | 23.4038 | 21.8852 | 21 | 212.23 | 84.921 | 55   | 0.146648 | 0.459383 |
| R7RU63;R7RVD4;B   | Cortactin-binding protein 2                   | Cttnbp2         | 22.5052 | 22.3799 | 13 | 67.548 | 55.385 | 21   | 0.893875 | 0.937635 |
| G3UYU6;G3UX60;C   | Protein-tyrosine-phosphatase;Receptor         | Ptprd           | 21.6911 | 20.2412 | 15 | 168.34 | 22.583 | 13   | 0.069685 | 0.422583 |
| E9Q8N5;Q08EB6;Q   | CLIP-associating protein 2                    | Clasp2          | 23.0463 | 20.275  | 19 | 140.72 | 86.359 | 31   | 0.029486 | 0.320157 |
| B9EKK3;Q3UQ44     | Ras GTPase-activating-like protein            | Iqgap2          | 20.8531 | 20.1178 | 12 | 180.55 | 37.563 | 16   | 0.557482 | 0.748433 |
| B9EKR1;Q9WUT8;A   | Receptor-type tyrosine-protein phosphatase    | Ptprz1          | 26.1496 | 25.3214 | 17 | 254.4  | 181.78 | 171  | 0.337681 | 0.587287 |
| Q3U7U8;C5H0E8;P   | Ras-related protein Rap-1A                    | Rap1a;Gm9392    | 21.7929 | 22.8936 | 7  | 20.846 | 3.8978 | 23   | 0.530278 | 0.728339 |
| C7G3P1;P60469;AC  | Liprin-alpha-3                                | Ppfia3          | 23.8924 | 21.8002 | 29 | 138.53 | 244.74 | 74   | 0.107848 | 0.433281 |
| Q6P9M2;Q7TNB5;C   | 9K0Y4   | Gria1           | 25.3693 | 23.197  | 23 | 101.46 | 310.27 | 158  | 0.252148 | 0.530369 |

|   |                                  |          |         |         |        |        |        |          |          |          |
|---|----------------------------------|----------|---------|---------|--------|--------|--------|----------|----------|----------|
| Q3UVR2;C9K0Z6;O Ciliary neurotrophic factor recepto         | Cntfr                            | 22.9099  | 22.4607 | 4       | 40.85  | 70.761 | 25     | 0.613219 | 0.782098 |          |
| D0VYV6  | Band 4.1-like protein 3          | Epb4.1l3 | 27.5509 | 25.605  | 51     | 101.42 | 323.31 | 392      | 0.001976 | 0.151192 |
| F7AAP4;D1FNM8;H Calcium-transporting ATPase                 | Atp2b4                           | 24.0446  | 21.493  | 29      | 128.56 | 240.49 | 48     | 0.149658 | 0.458097 |          |
| Q9JMF0;D2DFA9;Q G-protein coupled receptor family           | Gprc5b                           | 21.3762  | 20.9812 | 3       | 29.305 | 11.417 | 10     | 0.803327 | 0.902128 |          |
| D2KHZ9;P16858;AC Glyceraldehyde-3-phosphate dehyd           | GAPDH;Gapdh;                     | 32.0599  | 31.3545 | 20      | 35.81  | 323.31 | 3096   | 0.158506 | 0.469097 |          |
| F6VQH5;D3YTQ3;Q Heterogeneous nuclear ribonucleo            | Hnrnpdl                          | 20.8806  | 20.3832 | 6       | 35.534 | 10.798 | 24     | 0.741775 | 0.862541 |          |
| Q3UEQ1;E9Q9A0;F Type I inositol 3,4-bisphosphate 4- $\beta$ | Inpp4a                           | 21.7763  | 21.9163 | 8       | 99.971 | 66.852 | 14     | 0.878397 | 0.93297  |          |
| D3YUM1;Q91YT0;C NADH dehydrogenase [ubiquinone              | Ndufv1                           | 25.7316  | 26.9512 | 24      | 49.913 | 323.31 | 335    | 0.034084 | 0.346666 |          |
| D3YUP9;D6QSS8;Q Disintegrin and metalloproteinase           | Adam22                           | 23.2966  | 23.4928 | 13      | 99.558 | 107.73 | 52     | 0.745269 | 0.86348  |          |
| Q3TDT0;D3YUY7;Q Tripartite motif-containing protein         | Trim3                            | 23.2939  | 22.124  | 8       | 78.271 | 125.01 | 18     | 0.16983  | 0.473814 |          |
| D3YVC1;Q58EU3;Q 40S ribosomal protein S2                    | Rps2;Gm6576;C                    | 23.5352  | 22.4072 | 9       | 28.601 | 27.808 | 42     | 0.349597 | 0.5945   |          |
| H3BIV5;D3YVF0   | A-kinase anchor protein 5        | Akap5    | 24.2529 | 21.4035 | 14     | 80.202 | 323.31 | 47       | 0.043317 | 0.370267 |
| D3YVI6;D3Z440;Q9 COP9 signalosome complex subuni            | Cops7a                           | 21.861   | 21.3282 | 6       | 19.532 | 29.969 | 32     | 0.665506 | 0.817636 |          |
| D3YVV1;Q8VEK0   | Cell cycle control protein 50A   | Tmem30a  | 20.3049 | 21.216  | 4      | 37.178 | 6.5627 | 13       | 0.463629 | 0.683534 |
| D3YXZ3;Q91YS4;O $\xi$ Kinesin light chain 2                 | Klc2                             | 20.9861  | 21.696  | 14      | 68.176 | 23.677 | 16     | 0.369739 | 0.604447 |          |
| D3YYD5;D3Z645;Q $\xi$ Vacuolar protein sorting-associat     | Vps29                            | 24.9544  | 25.3191 | 5       | 13.723 | 33.612 | 80     | 0.473834 | 0.688473 |          |
| D3YYE1;D3Z7M9;O Acidic leucine-rich nuclear phosph          | Anp32a                           | 25.8351  | 26.3275 | 11      | 22.954 | 93.362 | 131    | 0.458586 | 0.678588 |          |
| F8SLP9;F8SLQ5;F8S PEX5-related protein                      | Pex5l                            | 20.1673  | 23.2092 | 10      | 63.138 | 23.431 | 21     | 0.075482 | 0.422647 |          |
| D3YYK8;E9Q6X0;Q $\xi$ Microtubule-associated protein RP     | Mapre2                           | 23.5594  | 22.2379 | 11      | 29.425 | 199.7  | 52     | 0.502294 | 0.708679 |          |
| E9Q3B9;D3YYS6;Q $\xi$ Monoglyceride lipase                  | Mgll                             | 24.5568  | 22.6821 | 11      | 35.256 | 51.871 | 64     | 0.091489 | 0.431151 |          |
| D3YYT0;Q8BSI9;Q3 Cadherin-2                                 | Cdh2                             | 22.8977  | 20.4116 | 9       | 93.856 | 60.625 | 18     | 0.02892  | 0.320514 |          |
| D3YZ62;D3Z4J3;Q9 Unconventional myosin-Va                   | Myo5a                            | 27.1816  | 22.5191 | 78      | 212.33 | 323.31 | 358    | 0.037256 | 0.35426  |          |
| D3YZI9;D3Z077;G3 $\beta$ PiggyBac transposable element-de   | Pgbd5                            | 20.6314  | 20.5094 | 5       | 58.3   | 37.62  | 9      | 0.881997 | 0.933094 |          |
| D3YZJ1;Q64337   | Sequestosome-1                   | Sqstm1   | 20.2753 | 20.9344 | 3      | 41.683 | 12.378 | 6        | 0.337997 | 0.587201 |
| D3YZU5;D3YZU4;D $\xi$ SH3 and multiple ankyrin repeat       | Shank1                           | 23.0699  | 21.0673 | 18      | 225.46 | 84.173 | 28     | 0.120153 | 0.437836 |          |
| D3Z041;P41216;F6 Long-chain-fatty-acid--CoA ligase 1        | Acsl1                            | 19.8069  | 20.5188 | 4       | 78.034 | 4.5707 | 5      | 0.166248 | 0.47285  |          |
| D3Z2Q2;D3Z079;Q $\xi$ Syntaxin-binding protein 5            | Stxbp5                           | 23.7342  | 20.7726 | 13      | 121.71 | 75.285 | 38     | 0.129188 | 0.445505 |          |
| D3Z0F5;Q3UIT2;O8 COP9 signalosome complex subuni            | Cops6                            | 23.6356  | 21.4257 | 10      | 33.591 | 62.133 | 58     | 0.103425 | 0.4317   |          |
| D6Q0F3;D3Z0M6;C Cytoplasmic dynein 1 intermediate           | Dync1i1                          | 24.0035  | 23.1123 | 9       | 70.675 | 52.709 | 45     | 0.24815  | 0.530996 |          |
| D3Z0S6;Q9CXX7;Q $\xi$ U1 small nuclear ribonucleoprotei     | Snrpa                            | 20.4968  | 21.5124 | 4       | 27.372 | 8.6327 | 12     | 0.242982 | 0.531255 |          |
| D3Z1H9;Q7TMS6;C Glycolipid transfer protein                 | Gltp                             | 22.2948  | 21.7954 | 3       | 21.535 | 4.8178 | 9      | 0.756006 | 0.868408 |          |
| F6QL70;Q5M8M8;I 60S ribosomal protein L29                   | Gm17669;Rpl25                    | 24.9138  | 25.6921 | 4       | 16.966 | 9.43   | 30     | 0.262889 | 0.534763 |          |
| D3Z2J6;Q9D710   | Thioredoxin-related transmembran | Tmx2     | 22.1412 | 19.7834 | 3      | 29.591 | 24.544 | 18       | 0.005794 | 0.221689 |

|  |                |         |         |    |        |        |     |          |          |
|--|----------------|---------|---------|----|--------|--------|-----|----------|----------|
| D3Z3M7;D3Z2Z1;F8 CAP-Gly domain-containing linker 1                        | Clip1          | 20.809  | 19.7208 | 12 | 148    | 38.876 | 11  | 0.559065 | 0.748057 |
| D3Z396;Q8BG33;Q Neurotrimin  | Ntm            | 24.8659 | 24.8696 | 8  | 34.954 | 89.993 | 73  | 0.99711  | 0.997731 |
| D3Z3B8;Q3UP61;H Disks large homolog 1                                      | Dlg1           | 22.2626 | 19.7032 | 20 | 91.622 | 130.26 | 24  | 0.023994 | 0.313479 |
| D3Z494;Q8BIV6;G5 Aldose reductase-related protein 2                        | Akr1b10;Akr1b8 | 23.7813 | 21.0746 | 8  | 32.745 | 20.404 | 30  | 0.134139 | 0.449086 |
| D3Z4B2;Q9CWZ7;C Gamma-soluble NSF attachment protein                       | Napg           | 26.2843 | 24.5258 | 13 | 39.366 | 156.2  | 268 | 0.158713 | 0.468847 |
| D3Z6F4;E9QAR5;D8 Disks large-associated protein 1                          | Dlgap1         | 21.3385 | 20.8042 | 5  | 74.209 | 15.885 | 7   | 0.662179 | 0.814795 |
| D3Z5I7;E9QN98;Q6 Inactive dipeptidyl peptidase 10                          | Dpp10          | 22.1213 | 20.6183 | 15 | 89.99  | 30.106 | 21  | 0.036222 | 0.359312 |
| D3Z5R4;E9Q2D0;P8 WAS/WASL-interacting protein family 1                     | Wipf3          | 23.1809 | 22.6147 | 5  | 45.137 | 88.348 | 46  | 0.69542  | 0.833985 |
| E9Q7S0;F7BQW7;D Synaptojanin-1   | Synj1          | 28.2295 | 25.3378 | 58 | 144.59 | 323.31 | 679 | 0.07441  | 0.42706  |
| D3Z6I8;E9Q7Q3;Q8 Tropomyosin alpha-3 chain                                 | Tpm3           | 21.9455 | 20.5272 | 23 | 28.723 | 3.6498 | 8   | 0.501136 | 0.70829  |
| D3Z7C6;Q9CRH1;Q Prostaglandin E synthase 3                                 | Ptges3         | 24.6219 | 25.8331 | 6  | 14.982 | 14.653 | 57  | 0.103698 | 0.431717 |
| D3Z7E5;Q2NL51 Glycogen synthase kinase-3 alpha                             | Gsk3a          | 21.234  | 21.3666 | 11 | 51.245 | 56.306 | 24  | 0.933496 | 0.961621 |
| D3Z7P3;D3Z7P4 Glutaminase kidney isoform, mitochondrial                    | Gls            | 26.8377 | 27.4907 | 34 | 73.963 | 323.31 | 427 | 0.252877 | 0.527074 |
| E0CXA9;Q3UGM5;C MOB-like protein phosphatase 4                             | Mob4           | 21.8961 | 22.1231 | 6  | 23.513 | 23.85  | 33  | 0.86707  | 0.931404 |
| E0CXB9;Q61301 Catenin alpha-2  | Ctnna2         | 24.953  | 24.0418 | 33 | 106.73 | 323.31 | 116 | 0.116658 | 0.434965 |
| E0CXN5;P13707 Glycerol-3-phosphate dehydrogenase                           | Gpd1           | 24.6293 | 22.1602 | 12 | 35.231 | 87.998 | 88  | 0.276414 | 0.543029 |
| E0CY16 Cell adhesion molecule 1  | Cadm1          | 23.8624 | 23.5393 | 9  | 42.892 | 224.46 | 75  | 0.604744 | 0.780581 |
| E0CYB9;Q6PCP5;F7 Mitochondrial fission factor                              | Mff            | 21.0471 | 21.7966 | 4  | 35.878 | 44.593 | 31  | 0.266422 | 0.536517 |
| Q6P6I8;E0CYM8;Q7 Tyrosine-protein phosphatase non-receptor type 22         | Sirpa;Ptpns1   | 25.7017 | 24.3711 | 13 | 55.986 | 323.31 | 193 | 0.531311 | 0.728512 |
| Q545L9;F7D432;E9 Protein-L-isoaspartate O-methyltransferase                | Pcmt1          | 25.5217 | 26.6439 | 14 | 24.634 | 143.62 | 145 | 0.14723  | 0.458526 |
| E0CZ27;P84244;P0 Histone H3;Histone H3.3;Histone H3f3a;H3f3c;Histone H3f3d | Hi3            | 29.9362 | 29.6617 | 5  | 13.322 | 210.07 | 351 | 0.751895 | 0.866161 |
| E0CZ72;P28740;F8 Kinesin-like protein;Kinesin-like protein family 13A      | Kif2a          | 22.5791 | 21.342  | 17 | 83.86  | 101.66 | 36  | 0.157611 | 0.468173 |
| E0CZ78;P48453;G3 Serine/threonine-protein phosphatase 3C                   | Ppp3cb         | 24.6018 | 25.5554 | 19 | 59.074 | 245.47 | 136 | 0.088843 | 0.43264  |
| Q3U967;E5Q371;Q Leukocyte surface antigen CD47                             | Cd47           | 21.232  | 23.485  | 3  | 33.097 | 60.753 | 30  | 0.140367 | 0.456618 |
| F6U8X4;F6U6U5;F6 Serine/threonine-protein kinase SIK3                      | Sik3           | 20.6637 | 20.7489 | 7  | 56.975 | 13.231 | 9   | 0.943252 | 0.96733  |
| E9PUC5;F6Z9E6;A0 PH and SEC7 domain-containing protein 3                   | Psd3           | 24.8506 | 25.0429 | 20 | 42.299 | 207.05 | 96  | 0.782835 | 0.886551 |
| E9PUE7;Q5SSL4 Active breakpoint cluster region-1                           | Abr            | 24.2341 | 21.8551 | 23 | 92.486 | 175.72 | 64  | 0.088259 | 0.432414 |
| E9PUL5 Proline-rich transmembrane protein 2                                | Prprt2         | 23.6873 | 23.9356 | 7  | 35.923 | 159.31 | 49  | 0.449973 | 0.670786 |
| E9PUM4;B2RY15;Q Talin-2  | Tln2           | 24.6416 | 21.2455 | 40 | 271.66 | 323.31 | 83  | 0.077915 | 0.427337 |
| E9PUW7;Q9EPK7 Exportin-7   | Xpo7           | 22.06   | 20.7012 | 10 | 123.9  | 31.875 | 11  | 0.00284  | 0.190136 |
| Q2M4H5;E9PV12;C Cullin-5   | Cul5           | 21.0557 | 20.7244 | 8  | 90.973 | 66.317 | 17  | 0.808171 | 0.90315  |
| E9Q175;E9Q3L1;E9 Unconventional myosin-VI                                  | Myo6           | 22.6647 | 21.3355 | 12 | 144.77 | 38.527 | 17  | 0.012511 | 0.291374 |
| Q3TF41;Q8BSH9;E8 Nucleosome assembly protein 1-like 1                      | Nap1l1         | 20.9446 | 22.9575 | 6  | 42.732 | 22.953 | 20  | 0.023798 | 0.313474 |

|   |               |         |         |    |        |        |     |          |          |
|---|---------------|---------|---------|----|--------|--------|-----|----------|----------|
| Q3TT92;E9PWE8;Q Dihydropyrimidinase-related prote     | Dpysl3        | 24.6984 | 25.8899 | 25 | 61.779 | 323.31 | 129 | 0.075512 | 0.421344 |
| Q91ZE6;Q8VIE5;E9PX29;Q8VBX2;E9PZC2                    | Sptbn4        | 20.3018 | 19.8668 | 9  | 288.13 | 19.641 | 6   | 0.745025 | 0.86382  |
| E9PXG9;Q3UDN2;C Vacuolar protein sorting-associate    | Vps53         | 20.915  | 19.8423 | 5  | 91.121 | 112.33 | 5   | 0.14258  | 0.455518 |
| F8VPX1;E9PXY8;Q6 Ubiquitin carboxyl-terminal hydrok   | Usp7          | 23.1764 | 21.537  | 10 | 128.47 | 27.458 | 36  | 0.083473 | 0.434114 |
| E9PY16;Q6PGM4;Q8BVR8;B7ZMY4;Q8BVS1                    | Adap1         | 21.7931 | 21.5537 | 10 | 43.37  | 35.721 | 29  | 0.882271 | 0.932769 |
| E9QMK2;E9PYH0;C Versican core protein                 | Vcan          | 22.9813 | 23.9932 | 10 | 178.5  | 317.73 | 61  | 0.193922 | 0.49231  |
| E9PYH2;Q91V12 Cytosolic acyl coenzyme A thioeste      | Acot7         | 26.774  | 25.9419 | 10 | 42.826 | 156.41 | 360 | 0.138343 | 0.454638 |
| Q8OUN0;E9PYI8;Q Ubiquitin carboxyl-terminal hydrok    | Usp14         | 22.1276 | 23.531  | 11 | 52.233 | 62.749 | 26  | 0.057318 | 0.413049 |
| E9PYJ7;Q6ZPQ6;Q Membrane-associated phosphatidy       | Pitpnm2       | 20.7463 | 19.8617 | 7  | 147.62 | 11.204 | 7   | 0.342433 | 0.589175 |
| Q8VC94;E9PZB3;E960S ribosomal protein L11             | Rpl11;Gm5093; | 23.1322 | 25.0374 | 4  | 19.024 | 20.498 | 83  | 0.016691 | 0.31556  |
| Q1WIL9;E9PYN1;Q Cell adhesion molecule 1              | Cadm1         | 21.464  | 21.4047 | 9  | 46.875 | 4.1658 | 7   | 0.965849 | 0.977406 |
| E9PYX7;E9Q852;E9 Afadin                               | Mllt4         | 21.2033 | 20.2935 | 8  | 188.9  | 24.047 | 10  | 0.315207 | 0.574957 |
| E9PZ43;A0A0G2JDI Microtubule-associated protein       | Map4          | 25.7302 | 25.1555 | 25 | 97.795 | 191.99 | 149 | 0.351432 | 0.593226 |
| E9PZ88;F8WIE1;Q8 Alpha-mannosidase;Alpha-mannos       | Man2c1        | 20.2906 | 19.4168 | 3  | 104.68 | 5.6022 | 6   | 0.173674 | 0.4779   |
| Q3U6G1;E9PZC3;Q Flavin reductase (NADPH)              | Blvrb         | 21.2766 | 22.3641 | 4  | 22.197 | 8.3506 | 24  | 0.446124 | 0.668146 |
| E9PZF0;Q5NC79;Q Nucleoside diphosphate kinase;Nu      | Gm20390;Nme:  | 28.8538 | 29.3636 | 14 | 30.2   | 134.98 | 622 | 0.634006 | 0.794733 |
| E9Q0J5;Q9QXL2;Q Kinesin-like protein;Kinesin-like prc | Kif21a        | 24.4794 | 22.0716 | 23 | 186.63 | 251.03 | 55  | 0.027561 | 0.316362 |
| E9Q0N0;Q9Z0R4;E Intersectin-1                         | Itsn1         | 22.1312 | 20.288  | 8  | 194.89 | 108.03 | 13  | 0.103717 | 0.430679 |
| E9Q0W6;Q19VH2;E Actin-binding LIM protein 2           | Ablim2        | 20.4067 | 19.6304 | 6  | 67.285 | 12.064 | 8   | 0.403688 | 0.636631 |
| E9Q1G8;Q8C2A3;E Septin-7                              | Sept7         | 26.4164 | 27.9131 | 21 | 50.648 | 323.31 | 457 | 0.021672 | 0.310949 |
| E9Q1S3;Q8C1E4;Q Protein transport protein Sec23A      | Sec23a        | 21.7767 | 20.7655 | 8  | 82.955 | 21.272 | 21  | 0.496085 | 0.704247 |
| E9Q1W0;E9Q1T1;E Calcium/calmodulin-dependent prc      | Camk2d        | 23.1544 | 21.5568 | 20 | 57.748 | 135.34 | 39  | 0.271118 | 0.539216 |
| Q8K4W7;Q8K4W9; Chloride channel protein;H(+)/Cl(-)    | Clcn3         | 21.0789 | 20.6618 | 2  | 87.677 | 4.4502 | 13  | 0.587038 | 0.768843 |
| Q6NZM3;E9Q3M3; Dynactin subunit 1                     | Dctn1         | 25.9386 | 22.558  | 35 | 139.78 | 323.31 | 150 | 0.015434 | 0.306205 |
| E9Q3M9;F7B0R9;Q6GQT3;Q8K303                           | 2010300C02Rik | 23.6532 | 21.2567 | 14 | 125.91 | 46.167 | 28  | 0.001449 | 0.145579 |
| E9Q4G8;E9Q3Q6;C CD166 antigen                         | Alcam         | 22.5177 | 22.8827 | 11 | 61.9   | 50.119 | 34  | 0.43808  | 0.664773 |
| H7BX15;E9Q9Q9;E Latrophilin-1                         | Adgrl1;Lphn1  | 20.9648 | 19.3342 | 7  | 162.28 | 31.134 | 13  | 0.027601 | 0.314576 |
| F6U7V1;E9Q401 Ryanodine receptor 2                    | Ryr2          | 24.9189 | 21.6697 | 38 | 564.73 | 176.92 | 80  | 0.071058 | 0.422925 |
| E9Q4M4;Q91VN4;C MICOS complex subunit Mic25           | Chchd6        | 24.4848 | 24.4485 | 9  | 26.388 | 80.897 | 65  | 0.913219 | 0.948638 |
| Q7TMY2;E9Q5L3;Q Short/branched chain specific acyl-   | Acadsb        | 21.7451 | 20.813  | 6  | 47.878 | 51.712 | 15  | 0.166673 | 0.473221 |
| Q6P1F1;E9Q6B6;E C-Jun-amino-terminal kinase-interc    | Mapk8ip3      | 21.429  | 20.5038 | 6  | 143.41 | 7.9032 | 7   | 0.006399 | 0.223546 |
| E9Q6P5;Q3UFQ5 Tetratricopeptide repeat protein 7      | Ttc7b         | 22.3464 | 20.0678 | 13 | 94.202 | 44.902 | 22  | 0.029268 | 0.319956 |
| Q3UZ06;E9Q6R3;O Vesicle-trafficking protein SEC22b    | Sec22b        | 21.641  | 20.8711 | 5  | 18.946 | 15.306 | 16  | 0.355167 | 0.597648 |

|  |   |               |         |         |    |        |        |      |          |          |
|--|---|---------------|---------|---------|----|--------|--------|------|----------|----------|
| Q5UE59;E9Q7C9;Q                                  | Kinesin light chain 1                       | Klc1          | 21.9335 | 23.0676 | 14 | 61.629 | 119.6  | 35   | 0.143502 | 0.457555 |
| Q564F2;E9Q7K1;Q                                  | Guanylate kinase                            | Guk1          | 21.8269 | 21.1115 | 3  | 21.918 | 6.861  | 15   | 0.607446 | 0.780933 |
| E9Q8I9   | Protein furry homolog                       | Fry           | 22.2903 | 21.4147 | 6  | 339.09 | 8.433  | 15   | 0.273274 | 0.540826 |
| E9Q8N8;A2VDF7;A                                  | Anion exchange protein;Electrogen           | Slc4a4        | 26.0421 | 22.499  | 21 | 123.08 | 323.31 | 179  | 0.161794 | 0.470167 |
| Q3TU36;E9Q912;Q3TPS9;Q3TA69;Q3TLU4               |   | Rap1gds1      | 25.6036 | 26.8691 | 29 | 66.005 | 323.31 | 316  | 0.025653 | 0.312307 |
| E9Q933;Q8BK08;Z                                  | Transmembrane protein 11, mitocl            | Tmem11        | 21.2019 | 21.0618 | 3  | 19.808 | 5.7558 | 17   | 0.910182 | 0.948549 |
| E9Q9C4;E9Q9C0;E                                  | Actin-binding LIM protein 1                 | Ablim1        | 21.5181 | 21.6876 | 7  | 77.222 | 22.22  | 12   | 0.858662 | 0.926087 |
| G3X9J6;E9Q9M1;Q                                  | Cytosolic purine 5-nucleotidase             | Nt5c2         | 19.9477 | 20.3376 | 4  | 67.764 | 9.1846 | 5    | 0.518696 | 0.719193 |
| Q5KU03;E9QAQ5;C                                  | Glycogen synthase kinase-3 beta             | Gsk3b         | 23.6818 | 24.489  | 15 | 46.71  | 277.98 | 59   | 0.269062 | 0.53579  |
| Q5M8Q0;Q3U7D2; Ribosomal protein L15;60S ribosom |   | Rpl15;Gm1002C | 24.1551 | 24.2818 | 9  | 24.146 | 24.536 | 47   | 0.844104 | 0.918399 |
| E9QB01   | Neural cell adhesion molecule 1             | Ncam1         | 22.1921 | 19.6229 | 26 | 93.619 | 18.065 | 12   | 0.095695 | 0.430762 |
| E9QB02;Q68FL6                                    | Methionine--tRNA ligase, cytoplasmic        | Mars          | 22.4908 | 20.829  | 7  | 102.37 | 36.615 | 11   | 0.179289 | 0.481802 |
| E9QK48;Q7TNG5;D                                  | Echinoderm microtubule-associate            | Eml2          | 21.3957 | 20.6191 | 5  | 90.791 | 16.51  | 6    | 0.138072 | 0.454677 |
| E9QKB2;Q9JKS5                                    | Intracellular hyaluronan-binding protein    | Habp4         | 19.6433 | 21.2254 | 2  | 45.965 | 3.8971 | 8    | 0.008714 | 0.264212 |
| Q3TPI3;Q3UHH4;Q                                  | Tripartite motif-containing protein         | Trim2         | 22.3335 | 22.4888 | 13 | 81.426 | 158.74 | 45   | 0.923517 | 0.956245 |
| E9QLL2;Q8BZ98;Q                                  | Dynamin-3                                   | Dnm3          | 23.3134 | 22.8148 | 32 | 97.272 | 147.23 | 80   | 0.697837 | 0.832535 |
| E9QM38;P55012                                    | Solute carrier family 12 member 2           | Slc12a2       | 22.228  | 20.8581 | 9  | 130.67 | 48.55  | 10   | 0.013443 | 0.295927 |
| Q05D16;E9QMY1;C                                  | OX-2 membrane glycoprotein                  | Cd200         | 22.0359 | 22.9663 | 6  | 16.76  | 23.201 | 30   | 0.38111  | 0.616141 |
| E9QNF7;Q9CPW0                                    | Contactin-associated protein-like 2         | Cntnap2       | 22.8026 | 20.9228 | 8  | 148.25 | 61.285 | 17   | 0.194005 | 0.491744 |
| G5E8R3;Q3TCQ3;Q                                  | Pyruvate carboxylase;Pyruvate carboxylase   | Pcx;Pc        | 25.8348 | 24.003  | 36 | 129.7  | 323.31 | 188  | 0.051566 | 0.402262 |
| Q923F9;E9QPX3;Q                                  | NADH dehydrogenase [ubiquinone]             | Ndufs4        | 24.5212 | 24.4463 | 4  | 18.518 | 10.487 | 64   | 0.940246 | 0.96548  |
| F6QKK2;Q8VEH3                                    | ADP-ribosylation factor-like protein        | Arl8a         | 24.433  | 24.3643 | 6  | 18.756 | 23.274 | 94   | 0.88648  | 0.93476  |
| F6RJV6;Q9JJK2                                    | LanC-like protein 2                         | Lancl2        | 22.1197 | 22.5087 | 15 | 49.742 | 121.75 | 45   | 0.827134 | 0.912915 |
| F6RT34;F7A0B0;Q0                                 | Myelin basic protein                        | Mbp           | 32.9038 | 32.9983 | 13 | 23.086 | 323.31 | 2160 | 0.882596 | 0.932499 |
| F6SEU4;A0A0A6YV                                  | Ras/Rap GTPase-activating protein           | Syngap1       | 27.1491 | 25.4608 | 49 | 148.24 | 323.31 | 433  | 0.005286 | 0.217801 |
| F6VQ81;Q8BKP1;A                                  | Tumor protein D54                           | Tpd52l2       | 23.1567 | 23.5212 | 7  | 17.619 | 26.085 | 39   | 0.521722 | 0.719664 |
| F6YSQ2;Q91VL2;Q                                  | Thyroid hormone receptor-associated protein | Thrap3        | 20.649  | 19.8631 | 2  | 15.542 | 6.7667 | 4    | 0.099479 | 0.434408 |
| S4R1N6;Q561N5;F                                  | 40S ribosomal protein S18                   | Rps18;Gm1026C | 25.4666 | 25.7499 | 8  | 12.483 | 25.633 | 122  | 0.765961 | 0.876085 |
| Q8C446;F6ZYH6;P6                                 | Gamma-aminobutyric acid receptor            | Gabrb3        | 22.405  | 20.8039 | 6  | 54.282 | 26.017 | 25   | 0.147596 | 0.457007 |
| S4R1E5;Q3TI34;Q5                                 | Glutathione peroxidase;Phospholipase        | Gpx4;PHGPx    | 22.1224 | 22.4369 | 4  | 17.937 | 11.509 | 47   | 0.891292 | 0.93676  |
| Q8C0B4;F7BNZ5;Q                                  | Breast carcinoma-amplified sequence         | Bcas1         | 20.9536 | 22.2132 | 5  | 40.541 | 9.6663 | 15   | 0.4392   | 0.665217 |
| F7CZ64;Q8VHW2                                    | Voltage-dependent calcium channel           | Cacng8        | 24.958  | 24.2499 | 9  | 43.418 | 198.08 | 79   | 0.29754  | 0.554053 |
| F8VPN4;A0A0G2JG                                  | Amylo-1,6-glucosidase, 4-alpha-glucan       | Agl           | 23.142  | 21.046  | 19 | 174.29 | 89.523 | 46   | 0.004393 | 0.213921 |

|                  |  |         |         |    |        |        |     |          |          |
|------------------|--|---------|---------|----|--------|--------|-----|----------|----------|
| F8VPU2;Q8K2R0    | FERM, RhoGEF and pleckstrin dom: Farp1             | 21.6837 | 20.4341 | 10 | 118.87 | 79.542 | 15  | 0.168601 | 0.472025 |
| F8VQE9;Q8VHH5;A  | Arf-GAP with GTPase, ANK repeat ε Agap3            | 22.6607 | 22.1609 | 9  | 97.694 | 144.3  | 51  | 0.761142 | 0.872435 |
| S4R255;F8WGF2;Q  | Nitric oxide synthase;Nitric oxide s' Nos1         | 22.0501 | 19.9672 | 8  | 160.05 | 53.79  | 14  | 0.015774 | 0.305412 |
| F8WGT1;Q68FL4;Q  | Adenosylhomocysteinase;Putative Ahcyl2             | 22.3615 | 20.6106 | 15 | 66.771 | 108.8  | 17  | 0.164406 | 0.47263  |
| Q3UHH0;Q3UHH3;F  | Calcium-transporting ATPase;Plasrn Atp2b2          | 26.6155 | 23.5026 | 45 | 132.1  | 323.31 | 221 | 0.222632 | 0.509643 |
| Q8BTF0;F8WHL2;Q  | Coatomer subunit alpha;Coatomer Copa               | 21.7004 | 20.5288 | 10 | 138.52 | 19.536 | 15  | 0.01496  | 0.30432  |
| F8WHQ1;D3Z637;E  | Tumor protein D52 Tpd52                            | 21.2542 | 22.6113 | 5  | 26.927 | 11.389 | 21  | 0.242819 | 0.532347 |
| F8WHW6;O70161    | Phosphatidylinositol 4-phosphate ε Pip5k1c         | 24.7905 | 24.6811 | 19 | 75.515 | 265.03 | 99  | 0.870484 | 0.933824 |
| F8WI90;P05480;Q3 | Neuronal proto-oncogene tyrosine Src               | 20.0915 | 22.6208 | 11 | 59.89  | 76.467 | 26  | 0.050346 | 0.394661 |
| F8WIK0;Q8WTY4;F  | Anamorsin Ciapin1                                  | 21.5204 | 20.1879 | 5  | 33.429 | 32.037 | 9   | 0.332788 | 0.583196 |
| Q3U7I9;F8WIR1;Q3 | Cathepsin D Ctsd                                   | 23.8476 | 23.9713 | 10 | 44.314 | 79.865 | 63  | 0.612416 | 0.781694 |
| F8WIT2;Q3UI56;P1 | Annexin;Annexin A6 Anxa6                           | 25.2374 | 25.6759 | 30 | 75.288 | 323.31 | 247 | 0.280816 | 0.545674 |
| Q4FJQ6;Q3U3L3;F8 | Serpin B6 Serpinb6a;Serpi                          | 21.4584 | 20.8369 | 6  | 42.598 | 20.841 | 23  | 0.636943 | 0.794695 |
| F8WJ41;Q5M9M4;I  | 40S ribosomal protein S15a Rps15a                  | 23.5175 | 24.0435 | 4  | 12.31  | 22.995 | 32  | 0.339062 | 0.587148 |
| F8WJK8;Q3U9V1;Q  | Hsc70-interacting protein St13                     | 23.1129 | 23.8619 | 8  | 40.538 | 54.988 | 86  | 0.323384 | 0.577419 |
| G3UX26;Q60930;D  | Voltage-dependent anion-selective Vdac2            | 28.0991 | 27.243  | 12 | 30.446 | 323.31 | 742 | 0.201772 | 0.497313 |
| Q3TI27;G3UXL2;Q9 | Ribose-phosphate pyrophosphokin Prps1;Prps1l3      | 24.6158 | 24.2288 | 13 | 34.865 | 131.87 | 150 | 0.660412 | 0.813243 |
| G3UXT7;Q8CFQ9;Q  | RNA-binding protein FUS Fus                        | 22.6773 | 24.0178 | 8  | 13.897 | 37.404 | 32  | 0.115039 | 0.434984 |
| G3UXY0;G3UXZ5;Q  | Proteasome activator complex sub Psme1             | 22.3088 | 22.3214 | 6  | 26.092 | 8.785  | 22  | 0.989793 | 0.992262 |
| G3UYQ2;G3UZT6;C  | Large proline-rich protein BAG6 Bag6               | 21.14   | 19.9197 | 7  | 113.37 | 72.02  | 11  | 0.284079 | 0.54738  |
| G3UZM4;Q8BLQ9    | Cell adhesion molecule 2 Cadm2                     | 24.6304 | 25.393  | 12 | 47.345 | 323.31 | 109 | 0.081085 | 0.432903 |
| Q9CQG4;Q921E4;C  | Receptor expression-enhancing prc Reep5            | 24.4866 | 23.1665 | 8  | 21.086 | 41.003 | 52  | 0.457982 | 0.67832  |
| G3X8Y3;A0A0A6YM  | N-alpha-acetyltransferase 15, NatA Naa15           | 21.0871 | 20.9694 | 5  | 101.09 | 9.4204 | 5   | 0.778211 | 0.882558 |
| G3X9A7;Q8BLJ3;B2 | PI-PLC X domain-containing proteir Plcx3           | 20.4565 | 20.1767 | 4  | 36.314 | 10.455 | 12  | 0.801372 | 0.901824 |
| G3X9G2;Q9JM52;F  | Misshapen-like kinase 1 Mink1                      | 24.5429 | 21.9161 | 22 | 151.22 | 170.27 | 58  | 0.122439 | 0.439196 |
| G3X9H5;P42859    | Huntingtin Htt                                     | 22.8594 | 21.0257 | 14 | 344.78 | 90.411 | 20  | 0.170402 | 0.474586 |
| G3X9L6;Q9DCX2;B  | ATP synthase subunit d, mitochondonc Gm10250;Atp5l | 28.0194 | 28.6783 | 10 | 18.621 | 108.88 | 327 | 0.112054 | 0.433904 |
| G3X9V4;Q01097    | Glutamate receptor ionotropic, NM Grin2b           | 24.7267 | 21.5296 | 23 | 165.99 | 133.04 | 65  | 0.054596 | 0.409984 |
| G3XA10;Q3ULH5;Q  | Heterogeneous nuclear ribonucleo Gm28062;Hnrrn     | 25.9533 | 23.1564 | 19 | 86.805 | 323.31 | 160 | 0.026818 | 0.314578 |
| G3XA25;Q8CAY6;Q  | Acetyl-CoA acetyltransferase, cyto: Acat2;Acat3    | 22.2784 | 21.9708 | 7  | 38.147 | 50.785 | 41  | 0.740668 | 0.861878 |
| Q3UVV3;G3XA53;C  | Oligodendrocyte-myelin glycoprote Omg              | 24.8237 | 24.1581 | 8  | 49.283 | 284.04 | 73  | 0.590051 | 0.770903 |
| G5E814;Q9D8B4;Q  | NADH dehydrogenase [ubiquinone Ndufa11             | 21.8708 | 19.3445 | 3  | 15.115 | 5.5203 | 13  | 0.222838 | 0.509389 |
| G5E829;Q8K314    | Plasma membrane calcium-transpc Atp2b1             | 28.7332 | 23.074  | 47 | 134.75 | 323.31 | 885 | 0.154136 | 0.464722 |

|   |                  |         |         |    |        |        |      |          |          |
|---|------------------|---------|---------|----|--------|--------|------|----------|----------|
| G5E850;Q544Z9;P5 Cytochrome b5                      | Cyb5a            | 20.9619 | 22.0224 | 2  | 11.142 | 5.239  | 16   | 0.611587 | 0.7825   |
| G5E881;Q3TUH1;G Phosphatidate cytidyltransferase    | Tamm41           | 20.6558 | 19.8168 | 3  | 37.896 | 7.9282 | 4    | 0.156065 | 0.467905 |
| G5E884;O88643 Non-specific serine/threonine prot    | Pak1             | 24.1008 | 25.3397 | 16 | 60.607 | 301.76 | 111  | 0.027945 | 0.316247 |
| G5E8H1;Q4LG64;E9QKCO;C9K0Z1;A0A0A6YW90;Q80V         | Gria2            | 26.5467 | 24.1489 | 35 | 98.76  | 323.31 | 242  | 0.189646 | 0.486839 |
| G5E8R0;E9Q453;G! Tropomyosin alpha-1 chain          | Tpm1             | 25.3983 | 25.5608 | 21 | 28.343 | 91.06  | 172  | 0.734919 | 0.857672 |
| G5E924;Q3UMT7 Heterogeneous nuclear ribonucleo      | Hnrnpl           | 24.9208 | 24.7767 | 16 | 66.821 | 323.31 | 106  | 0.791145 | 0.894072 |
| H3BJU7;H3BJX8;H3 Rho guanine nucleotide exchange f  | Arhgef2          | 23.6699 | 21.5843 | 19 | 108.59 | 200.48 | 51   | 0.052291 | 0.403996 |
| H3BKQ7;Q7TSA7;H3BJD0;Q3UUK5;H3BL28;Q7TN74;H:        | Ppp1r9a          | 22.1819 | 20.0479 | 10 | 107.17 | 73.875 | 16   | 0.020473 | 0.31634  |
| H3BJZ7;Q4KUS2 Protein unc-13 homolog A              | Unc13a           | 22.611  | 20.7194 | 14 | 195.83 | 112.5  | 27   | 0.113035 | 0.433528 |
| H3BKH6;Q9R0P3;H S-formylglutathione hydrolase       | Esd              | 24.2915 | 24.2603 | 11 | 32.829 | 162.36 | 86   | 0.978926 | 0.985056 |
| Q3TPT3;H6RXZ1;P4 Synaptotagmin-1                    | Syt1             | 27.3202 | 28.3765 | 21 | 47.435 | 323.31 | 678  | 0.062223 | 0.421909 |
| Z4YL87;H7BWy8;Q Pre-rRNA-processing protein TSR2    | Tsr2             | 21.1227 | 20.835  | 2  | 21.022 | 2.6945 | 6    | 0.773275 | 0.880066 |
| H7BX95;Q6PDM2 Serine/arginine-rich splicing factor  | Srsf1            | 22.5561 | 20.7467 | 8  | 28.329 | 21.293 | 44   | 0.285629 | 0.545787 |
| I1E4X7;Q9JI46;H3B Diphosphoinositol polyphosphate † | Nudt3            | 24.9956 | 25.6151 | 6  | 17.828 | 35.219 | 111  | 0.019227 | 0.321852 |
| J3QMM7;K3W4M4 ATP-dependent (S)-NAD(P)H-hydra       | Carkd            | 22.9896 | 21.0777 | 9  | 35.169 | 82.049 | 48   | 0.264599 | 0.534184 |
| J3QNU6;Q8BWG8;† Beta-arrestin-1                     | Arrb1            | 20.4261 | 21.6959 | 4  | 47.106 | 24.162 | 7    | 0.255788 | 0.529023 |
| K3W4Q8;O55108;C Basigin                             | Bsg              | 23.339  | 23.703  | 9  | 24.116 | 180.47 | 78   | 0.804828 | 0.901295 |
| Q6NXX6;K3W4T3;C V-type proton ATPase subunit a;V-i  | Atp6v0a1         | 28.3995 | 23.7245 | 31 | 95.64  | 323.31 | 743  | 0.137108 | 0.455233 |
| K4DI58;Q99N28 Cell adhesion molecule 3              | Cadm3            | 25.1306 | 25.2504 | 10 | 46.692 | 271.22 | 106  | 0.876174 | 0.932458 |
| Q9D859;Q8BPG5;K Ras-related C3 botulinum toxin suk  | Rac1;Rac3        | 27.8355 | 28.5014 | 10 | 21.464 | 74.029 | 531  | 0.292495 | 0.549754 |
| K7QD41;Q9QVP9;C Protein-tyrosine kinase 2-beta      | Ptk2b            | 25.8864 | 23.996  | 41 | 115.79 | 323.31 | 172  | 0.020503 | 0.313787 |
| N0E4C0;N0E4C5;P€ Casein kinase II subunit beta      | Csnk2b;Csnk2b-   | 22.1628 | 23.4675 | 4  | 24.912 | 21.587 | 37   | 0.386102 | 0.617994 |
| Q3U8S5;Q3U3A8;C Calpain-2 catalytic subunit         | Capn2            | 22.876  | 21.7031 | 8  | 79.873 | 46.492 | 20   | 0.458742 | 0.678195 |
| O08539;Q6P1B9 Myc box-dependent-interacting pri     | Bin1             | 25.9709 | 25.8707 | 23 | 64.469 | 323.31 | 203  | 0.927435 | 0.958449 |
| O08553 Dihydropyrimidinase-related prote            | Dpysl2           | 30.8057 | 31.9912 | 33 | 62.277 | 323.31 | 3467 | 0.046884 | 0.382449 |
| O08583;Q4KL64;G€ THO complex subunit 4;Aly/REF ex   | Alyref;Alyref2;R | 23.2806 | 21.7522 | 2  | 26.94  | 3.5502 | 20   | 0.34363  | 0.589972 |
| O08599 Syntaxin-binding protein 1                   | Stxbp1           | 29.6798 | 30.0259 | 49 | 67.568 | 323.31 | 1797 | 0.322006 | 0.577527 |
| O08641 SH3 domain-containing YSC84-like             | Sh3yl1           | 22.8734 | 20.0083 | 1  | 37.028 | 2.6175 | 12   | 0.261728 | 0.534431 |
| O08749;Q3TIE8 Dihydrolipoyl dehydrogenase, mitc     | Dld              | 27.5383 | 28.2222 | 20 | 54.272 | 323.31 | 500  | 0.157818 | 0.467921 |
| Q3U518;Q3TWG2;† Glucosidase 2 subunit beta          | Prkcsh           | 22.5888 | 21.2089 | 6  | 58.792 | 61.454 | 13   | 0.322734 | 0.578187 |
| Q540I4;O08917;Q3 Flotillin-1                        | Flot1            | 23.3911 | 24.6511 | 21 | 47.513 | 323.31 | 82   | 0.105491 | 0.433564 |
| Q3UH86;O08919 Numb-like protein                     | Numbl            | 22.3639 | 22.7052 | 11 | 60.079 | 39.598 | 26   | 0.624458 | 0.791406 |
| Q3TPX5;O08989;D: Ras-related protein M-Ras          | Mras             | 20.799  | 21.462  | 4  | 23.901 | 5.7666 | 11   | 0.608576 | 0.781136 |

|                 |                                      |             |         |         |    |        |        |     |          |          |
|-----------------|--------------------------------------|-------------|---------|---------|----|--------|--------|-----|----------|----------|
| Q6RI64;O09061   | Proteasome subunit beta type;ProI    | Psmb1       | 23.5263 | 23.1205 | 8  | 26.372 | 35.996 | 84  | 0.85216  | 0.921548 |
| O09131          | Glutathione S-transferase omega-1    | Gsto1       | 22.9182 | 21.9192 | 7  | 27.497 | 25.126 | 52  | 0.472041 | 0.689609 |
| Q9CQM8;Q4VA28;I | 60S ribosomal protein L21            | Rpl21       | 22.8722 | 24.2316 | 4  | 18.579 | 10.77  | 27  | 0.311036 | 0.573206 |
| Q3V235;O35129;F | Prohibitin-2                         | Phb2        | 26.24   | 24.4452 | 15 | 33.296 | 187.75 | 284 | 0.173916 | 0.477748 |
| O35136          | Neural cell adhesion molecule 2      | Ncam2       | 23.6185 | 20.0436 | 11 | 93.203 | 113.45 | 17  | 0.001517 | 0.128326 |
| Q3UNI8;O35215;G | D-dopachrome decarboxylase           | Ddt;Gm20441 | 22.6194 | 21.4926 | 6  | 13.077 | 22.713 | 25  | 0.593631 | 0.772441 |
| Q9CY29;Q3ULG4;O | 26S proteasome non-ATPase reguli     | Psmc4       | 19.6681 | 22.1303 | 5  | 40.042 | 23.127 | 7   | 0.00214  | 0.156351 |
| O35295;Q8BQK8;Q | Transcriptional activator protein P  | Purb        | 23.6598 | 23.0137 | 8  | 33.901 | 122.83 | 47  | 0.446021 | 0.668615 |
| Q9D8S5;O35326;Q | Serine/arginine-rich splicing factor | Srsf5       | 20.9343 | 20.1815 | 4  | 30.978 | 5.6134 | 11  | 0.512217 | 0.714525 |
| Q69ZD1;O35382;Q | Exocyst complex component 4          | Exoc4       | 21.178  | 20.7447 | 8  | 110.77 | 12.479 | 11  | 0.382584 | 0.616044 |
| O35405          | Phospholipase D3                     | Pld3        | 21.7715 | 21.7123 | 5  | 54.388 | 61.965 | 26  | 0.969196 | 0.979558 |
| Q5D0A4;Q497P1;O | Syntaxin-1A                          | Stx1a       | 26.0867 | 24.2853 | 14 | 32.923 | 323.31 | 201 | 0.203868 | 0.499414 |
| O35593;Q9CSU2;Q | 26S proteasome non-ATPase reguli     | Psmc14      | 22.3135 | 20.7635 | 6  | 34.577 | 42.363 | 36  | 0.227493 | 0.515629 |
| Q545Q8;O35621;Q | Phosphomannomutase;Phosphom.         | Pmm1        | 22.8314 | 22.3737 | 6  | 29.774 | 37.583 | 24  | 0.688457 | 0.831843 |
| Q49S98;O35633   | Vesicular inhibitory amino acid tran | Slc32a1     | 24.0802 | 22.9702 | 11 | 57.38  | 50.196 | 40  | 0.036045 | 0.362026 |
| Q8R5L1;O35658   | Complement component 1 Q subc        | C1qbp       | 22.6271 | 23.2728 | 3  | 31.025 | 15.189 | 30  | 0.618517 | 0.787604 |
| Q0VE46;O35682;A | Myeloid-associated differentiation   | Myadm       | 21.3283 | 20.6738 | 3  | 35.284 | 13.689 | 13  | 0.533403 | 0.729514 |
| O35685          | Nuclear migration protein nudC       | Nudc        | 21.8249 | 22.2454 | 12 | 38.358 | 52.663 | 32  | 0.82599  | 0.912279 |
| Q811L7;Q8C2Q7;O | Heterogeneous nuclear ribonucleo     | Hnrnph1     | 24.7619 | 25.1643 | 10 | 49.199 | 229.64 | 130 | 0.706103 | 0.837423 |
| O35864;Q3V0K7;A | COP9 signalosome complex subuni      | Cops5       | 22.3092 | 21.8066 | 10 | 37.548 | 35.71  | 36  | 0.626988 | 0.792737 |
| Q5SSP3;Q9ESU8;Q | Amino acid transporter;Neutral am    | Slc1a4      | 23.0982 | 21.2514 | 5  | 47.666 | 114.92 | 36  | 0.24897  | 0.528527 |
| O35954          | Membrane-associated phosphatid       | Pitpnm1     | 21.5937 | 20.4411 | 10 | 134.94 | 48.297 | 14  | 0.238788 | 0.527831 |
| Q3UG68;Q3UC51;C | Dolichyl-diphosphooligosaccharide    | Ddost       | 20.9448 | 20.7548 | 6  | 48.985 | 14.444 | 11  | 0.850456 | 0.920945 |
| O54774;Q3U237;Q | AP-3 complex subunit delta-1         | Ap3d1       | 25.2768 | 22.4252 | 27 | 135.08 | 160.24 | 88  | 0.039655 | 0.362076 |
| Q3UTI4;O54865;Q | Guanylate cyclase soluble subunit    | Gucy1b3     | 21.0236 | 23.3055 | 9  | 69.005 | 26.267 | 15  | 0.099764 | 0.434475 |
| Q3UPX0;O54983   | Ketimine reductase mu-crystallin     | Crym        | 28.5608 | 26.947  | 15 | 33.523 | 323.31 | 581 | 0.075984 | 0.422511 |
| Q8VEI6;Q8C1Q1;O | ATPase Asna1                         | Asna1       | 23.0997 | 21.606  | 5  | 24.786 | 21.227 | 38  | 0.253899 | 0.527835 |
| O54991;Q3U428   | Contactin-associated protein 1       | Cntnap1     | 25.8045 | 22.4985 | 31 | 156.31 | 323.31 | 203 | 0.089902 | 0.435158 |
| Q3U9K9;O55013   | Trafficking protein particle comple  | Trappc3     | 21.1868 | 19.8735 | 2  | 20.302 | 3.4517 | 16  | 0.315845 | 0.575469 |
| Q3TFP8;Q3TXU8;Q | Membrane-associated progesteror      | Pgrmc1      | 24.6588 | 25.2206 | 9  | 19.746 | 75.39  | 135 | 0.326494 | 0.579112 |
| Q921R1;Q3T9U8;O | Ectonucleoside triphosphate dipho    | Entpd2      | 20.8696 | 20.0857 | 5  | 54.319 | 19.157 | 7   | 0.313834 | 0.57441  |
| O55042          | Alpha-synuclein                      | Snca        | 28.9126 | 29.5465 | 10 | 14.485 | 146.15 | 360 | 0.571259 | 0.754325 |
| O55091          | Protein IMPACT                       | Impact      | 21.1098 | 20.8976 | 6  | 36.276 | 35.375 | 13  | 0.865296 | 0.930744 |

|                 |  |             |         |         |    |        |        |      |          |          |
|-----------------|--|-------------|---------|---------|----|--------|--------|------|----------|----------|
| Q3U6D7;O55100   | Synaptogyrin-1   | Syngn1      | 24.854  | 25.415  | 3  | 21.294 | 93.322 | 165  | 0.419326 | 0.65107  |
| O55106;F8WH41;C | Striatin   | Strn        | 22.1906 | 20.3872 | 7  | 85.965 | 41.812 | 21   | 0.015253 | 0.306395 |
| Q5SVF7;O55125;Q | Protein NipSnap homolog 1  | Nipsnap1    | 25.4277 | 26.725  | 10 | 33.363 | 323.31 | 235  | 0.141275 | 0.454058 |
| Q7TMG8;Q3TD78;C | Protein NipSnap homolog 2  | Gbas        | 25.1417 | 24.7181 | 10 | 32.898 | 47.211 | 89   | 0.515563 | 0.716703 |
| Q99L15;O55137;Q | Acyl-coenzyme A thioesterase 1   | Acot1;Acot2 | 22.5515 | 21.7171 | 6  | 46.248 | 23.49  | 31   | 0.605638 | 0.780482 |
| Q5DTI2;O55143;O | Sarcoplasmic/endoplasmic reticulum Atp2a2  | Atp2a2      | 27.9042 | 24.5764 | 42 | 116.6  | 323.31 | 465  | 0.177661 | 0.480642 |
| O55234;Q8BTY5   | Proteasome subunit beta type-5   | Psmb5       | 25.4433 | 25.9696 | 12 | 28.532 | 68.485 | 148  | 0.281585 | 0.546507 |
| Q9CZS7;Q544E3;O | Phosphatidylinositol 5-phosphate 4-epoxide hydrolase 2                                 | Pip4k2a     | 22.4462 | 22.3454 | 11 | 46.09  | 272.93 | 45   | 0.954564 | 0.970262 |
| Q544R7;Q3U6W4;C | Heme oxygenase 2   | Hmox2       | 23.2411 | 21.255  | 8  | 35.738 | 95.23  | 37   | 0.127158 | 0.445191 |
| Q3UJC3;O70310   | Glycylpeptide N-tetradecanoyltransferase 1   | Nmt1        | 22.5619 | 22.182  | 9  | 56.888 | 41.016 | 23   | 0.699606 | 0.832791 |
| Q9DCD8;Q58EV4;C | Proteasome subunit alpha type-3  | Pasma3      | 24.9078 | 24.5702 | 9  | 28.49  | 59.987 | 89   | 0.685843 | 0.831183 |
| Q542R8;O70443;Q | Guanine nucleotide-binding protein gamma-1   | Gnaz        | 23.5616 | 21.8037 | 16 | 40.849 | 118.35 | 93   | 0.340997 | 0.587965 |
| Q6ZWQ5;Q3TGS7;C | Sorting nexin-12   | Snx12       | 22.646  | 22.638  | 4  | 18.884 | 5.6847 | 39   | 0.99717  | 0.99717  |
| Q3UJS5;O70569;P | 60S ribosomal protein S14  | Rps14;rps14 | 20.9685 | 23.6716 | 3  | 16.289 | 15.411 | 54   | 0.302609 | 0.560892 |
| Q3TJY2;O88342;Q | WD repeat-containing protein 1   | Wdr1        | 27.1573 | 27.6102 | 29 | 66.406 | 323.31 | 405  | 0.266392 | 0.53713  |
| Q3TI40;Q3TI19;O | Metaxin-2  | Mtx2        | 22.203  | 23.1608 | 7  | 29.786 | 45.781 | 29   | 0.251937 | 0.53062  |
| O88456;A0A0R4J1 | Calpain small subunit 1  | Capns1      | 20.7967 | 21.317  | 3  | 28.463 | 22.271 | 7    | 0.608458 | 0.781608 |
| Q3TEL0;Q3UB92;Q | Palmitoyl-protein thioesterase 1   | Ppt1        | 22.1943 | 20.081  | 7  | 34.154 | 52.421 | 27   | 0.214273 | 0.502682 |
| Q3UQL2;O88543;Q | COP9 signalosome complex subunit 3   | Cops3       | 20.3348 | 22.2319 | 7  | 47.832 | 99.626 | 20   | 0.186953 | 0.484571 |
| Q14AI7;O88544;Q | COP9 signalosome complex subunit 4   | Cops4       | 23.2881 | 23.6911 | 19 | 46.284 | 140.23 | 71   | 0.629662 | 0.792999 |
| O88569;B7ZP22   | Heterogeneous nuclear ribonucleoprotein B2   | Hnrnpa2b1   | 28.0662 | 26.2632 | 22 | 37.402 | 323.31 | 519  | 0.161003 | 0.470421 |
| Q3THI5;Q3U8Y7;Q | 26S protease regulatory subunit 6A   | Psmc3       | 21.1589 | 22.1668 | 9  | 45.236 | 89.192 | 36   | 0.236203 | 0.524279 |
| Q8CF81;Q3UGW4;C | ATP-dependent Clp protease proteolytic subunit   | Clpp        | 22.3561 | 21.8147 | 4  | 20.503 | 18.2   | 17   | 0.715231 | 0.845752 |
| O88704          | Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel subunit 1 | Hcn1        | 21.4139 | 20.4641 | 7  | 102.43 | 13.665 | 9    | 0.290075 | 0.547124 |
| O88737          | Protein bassoon  | Bsn         | 27.6786 | 25.2093 | 87 | 418.84 | 323.31 | 404  | 0.018191 | 0.324816 |
| Q3UTV3;Q3UEX4;C | Ganglioside-induced differentiation factor 1   | Gdap1       | 20.3657 | 21.0305 | 7  | 39.123 | 57.963 | 20   | 0.688783 | 0.830986 |
| Q5HZJ8;Q8C338;O | Isocitrate dehydrogenase [NADP] <sup>+</sup> class 1                                   | Idh1        | 25.0765 | 24.5546 | 17 | 46.674 | 177.39 | 171  | 0.622919 | 0.790704 |
| Q6XE40;O88910   | MAGUK p55 subfamily member 3   | Mpp3        | 22.1739 | 22.9559 | 9  | 66.486 | 140.25 | 32   | 0.263392 | 0.534434 |
| O88935          | Synapsin-1   | Syn1        | 30.0546 | 30.3724 | 36 | 74.096 | 323.31 | 2009 | 0.520234 | 0.718845 |
| O88951          | Protein lin-7 homolog B  | Lin7b       | 21.6112 | 22.3282 | 7  | 22.914 | 12.996 | 9    | 0.276606 | 0.542742 |
| O88958;Q6A0D9;Q | Glucosamine-6-phosphate isomerase  | Gnpda1      | 22.4565 | 20.6384 | 8  | 32.549 | 78.084 | 40   | 0.325791 | 0.579785 |
| Q8BNF3;Q3U2Z6;Q | Tripeptidyl-peptidase 1  | Tpp1        | 21.6498 | 21.499  | 3  | 34.522 | 74.723 | 14   | 0.921448 | 0.955334 |
| Q3U232;Q3U1N0;C | Coronin; Coronin-1A  | Coro1a      | 26.5444 | 27.5438 | 20 | 50.959 | 323.31 | 270  | 0.068007 | 0.426905 |

|                  |                                     |                |         |         |    |        |        |      |          |          |
|------------------|-------------------------------------|----------------|---------|---------|----|--------|--------|------|----------|----------|
| O89112;B2KGR2    | LanC-like protein 1                 | Lancl1         | 23.7792 | 22.4489 | 8  | 45.341 | 163.04 | 78   | 0.454413 | 0.6749   |
| Q5FWJ7;O89116;Q  | Vesicle transport through interacti | Vti1a          | 21.0836 | 21.143  | 2  | 25.868 | 2.6375 | 6    | 0.948455 | 0.968955 |
| Q9MD68;Q70YN3;I  | Cytochrome c oxidase subunit 1      | mt-Co1;COI;Mtr | 23.8725 | 20.2821 | 3  | 56.909 | 133.38 | 25   | 0.01441  | 0.300746 |
| Q99KF5;P00493    | Hypoxanthine-guanine phosphorib     | Hprt;Hprt1     | 24.3282 | 26.3447 | 11 | 24.544 | 36.061 | 152  | 0.198439 | 0.495173 |
| P00920           | Carbonic anhydrase 2                | Ca2            | 27.9    | 28.5381 | 13 | 29.032 | 254.13 | 457  | 0.178638 | 0.480857 |
| Q53YX2;P01831    | Thy-1 membrane glycoprotein         | Thy1           | 29.9482 | 30.1765 | 6  | 18.108 | 203.32 | 850  | 0.732602 | 0.856835 |
| P03995           | Glial fibrillary acidic protein     | Gfap           | 28.6928 | 29.0046 | 32 | 49.899 | 323.31 | 906  | 0.596834 | 0.774102 |
| Q9QYT9;Q4FJQ7;Q  | Major prion protein                 | Prnpb;Prnp     | 24.394  | 24.2651 | 5  | 28.009 | 32.543 | 72   | 0.898898 | 0.939226 |
| P05063           | Fructose-bisphosphate aldolase C    | Aldoc          | 28.5183 | 27.6067 | 29 | 39.394 | 323.31 | 1042 | 0.184062 | 0.484103 |
| Q5FWB7;P05064;A  | Fructose-bisphosphate aldolase;Fri  | Aldoa;Aldoart1 | 31.1723 | 30.3571 | 34 | 39.355 | 323.31 | 2320 | 0.045899 | 0.380206 |
| P05132           | cAMP-dependent protein kinase ca    | Prkaca         | 24.0488 | 22.9434 | 17 | 40.57  | 121.64 | 82   | 0.53074  | 0.728352 |
| P05201           | Aspartate aminotransferase, cytop   | Got1           | 28.9416 | 28.8098 | 29 | 46.247 | 323.31 | 1293 | 0.726223 | 0.854348 |
| P05202           | Aspartate aminotransferase, mitoc   | Got2           | 29.8968 | 29.5309 | 30 | 47.411 | 323.31 | 1641 | 0.383364 | 0.616066 |
| P05213;Q99KA2    | Tubulin alpha-1B chain              | Tuba1b         | 32.1332 | 33.4128 | 34 | 50.151 | 323.31 | 8344 | 0.022346 | 0.312258 |
| P06745;B7ZWL9;B  | Glucose-6-phosphate isomerase       | Gpi;Gpi1       | 29.2343 | 29.9058 | 30 | 62.766 | 323.31 | 1201 | 0.093031 | 0.430837 |
| P06837           | Neuromodulin                        | Gap43          | 26.6708 | 25.0285 | 11 | 23.632 | 169.99 | 103  | 0.173434 | 0.47806  |
| Q546G4;P07724    | Serum albumin                       | Alb            | 27.7244 | 28.5814 | 40 | 68.692 | 323.31 | 865  | 0.185414 | 0.484489 |
| Q80Y52;P07901;Q  | Heat shock protein HSP 90-alpha     | Hsp90aa1       | 29.4244 | 28.92   | 49 | 84.787 | 323.31 | 1599 | 0.364675 | 0.602914 |
| Q91V38;Q3UBU0;C  | Endoplasmic reticulum chaperonin    | Hsp90b1        | 25.7983 | 24.1426 | 28 | 92.489 | 323.31 | 174  | 0.103395 | 0.432698 |
| Q6GTX3;Q4FK40;Q  | Apolipoprotein E                    | ApoE           | 26.5621 | 25.2805 | 17 | 35.852 | 303.2  | 250  | 0.206921 | 0.497044 |
| P08228           | Superoxide dismutase [Cu-Zn]        | Sod1           | 28.5433 | 28.9396 | 8  | 15.942 | 106.35 | 212  | 0.57818  | 0.759718 |
| P08249           | Malate dehydrogenase, mitochond     | Mdh2           | 30.4    | 29.4145 | 19 | 35.611 | 323.31 | 2188 | 0.114848 | 0.436314 |
| Q8BGR3;P08414    | Calcium/calmodulin-dependent pro    | Camk4          | 21.4381 | 22.7321 | 6  | 52.542 | 48.253 | 13   | 0.037033 | 0.358501 |
| Q05DD2;P08551    | Neurofilament light polypeptide     | Nefl           | 26.7934 | 28.3365 | 38 | 57.825 | 323.31 | 601  | 0.011675 | 0.28426  |
| P08752;A0A0A6YV  | Guanine nucleotide-binding protei   | Gnai2          | 25.534  | 24.7981 | 18 | 40.489 | 323.31 | 215  | 0.435559 | 0.664083 |
| Q3UDR2;Q3TWE3;I  | Protein disulfide-isomerase         | P4hb           | 22.3601 | 24.4365 | 21 | 56.6   | 323.31 | 77   | 0.223412 | 0.509975 |
| Q8CD23;Q3TL52;Q  | Nucleolin                           | Ncl            | 23.2987 | 22.0493 | 14 | 76.864 | 108.25 | 50   | 0.201338 | 0.497771 |
| P09411;S4R2M7    | Phosphoglycerate kinase 1;Phosph    | Pgk1           | 28.8917 | 28.9234 | 32 | 44.55  | 323.31 | 1137 | 0.962226 | 0.975582 |
| P09528           | Ferritin heavy chain;Ferritin heavy | Fth1           | 26.1387 | 25.2278 | 11 | 21.066 | 162.84 | 128  | 0.070579 | 0.424796 |
| Q4FJX9;P09671;Q3 | Superoxide dismutase;Superoxide     | Sod2           | 27.2529 | 28.3726 | 11 | 24.603 | 156.85 | 356  | 0.179871 | 0.480953 |
| P0C028;P0C027;Q4 | Diphosphoinositol polyphosphate     | Nudt11;Nudt10  | 22.0679 | 21.9807 | 4  | 18.593 | 8.2554 | 17   | 0.928494 | 0.958926 |
| P0DN34           | NADH dehydrogenase [ubiquinone      | Ndufb1         | 23.2221 | 21.0517 | 2  | 6.954  | 4.5484 | 14   | 0.100932 | 0.436016 |
| Q58E64;Q3UA81;P  | Elongation factor 1-alpha;Elongatic | Eef1a1         | 29.6395 | 30.4111 | 20 | 50.113 | 323.31 | 1084 | 0.082633 | 0.432543 |

|  |         |         |    |        |        |      |          |          |
|--|---------|---------|----|--------|--------|------|----------|----------|
| Q3TVS6;P10605;Q Cathepsin B;Cathepsin B light chain Ctsb           | 24.75   | 24.04   | 7  | 37.319 | 144.76 | 89   | 0.350958 | 0.593674 |
| Q52KC1;P10630;Q Eukaryotic initiation factor 4A-II;Eu Eif4a2       | 25.3885 | 26.2886 | 18 | 46.402 | 323.31 | 183  | 0.184242 | 0.483787 |
| P10639 Thioredoxin Txn   | 23.5809 | 24.1727 | 3  | 11.675 | 6.9205 | 20   | 0.481269 | 0.695503 |
| P10649;A2AE89;F6 Glutathione S-transferase Mu 1 Gstm1              | 29.2131 | 29.6548 | 20 | 25.97  | 323.31 | 1043 | 0.425145 | 0.65567  |
| P10852;Q8BTJ9;Q3 4F2 cell-surface antigen heavy chain Slc3a2       | 26.2157 | 25.9735 | 17 | 58.336 | 323.31 | 255  | 0.639105 | 0.796156 |
| Q8C1Y3;Q3U4Y0;P Histone H1.0;Histone H1.0, N-term H1f0             | 25.2323 | 23.9206 | 5  | 19.253 | 34.492 | 74   | 0.042953 | 0.369122 |
| Q922T9;Q8VH34;Q Lysosome-associated membrane glycoprotein Lamp1    | 19.816  | 21.3057 | 2  | 20.456 | 6.5333 | 5    | 0.063559 | 0.422065 |
| Q71LX8;P11499 Heat shock protein HSP 90-beta Hsp90ab1              | 28.5824 | 28.3194 | 49 | 83.28  | 323.31 | 989  | 0.619189 | 0.787836 |
| P11798;Q80TN1;F Calcium/calmodulin-dependent protein kinase Camk2a | 31.2307 | 31.0718 | 30 | 54.114 | 323.31 | 2621 | 0.570864 | 0.754423 |
| P11881 Inositol 1,4,5-trisphosphate receptor ltrp1                 | 21.6733 | 20.5128 | 13 | 313.16 | 81.364 | 21   | 0.40956  | 0.64211  |
| P11983 T-complex protein 1 subunit alpha Tcp1                      | 25.2301 | 26.1314 | 27 | 60.448 | 323.31 | 181  | 0.111308 | 0.434155 |
| P12382;Q8CD98 ATP-dependent 6-phosphofructokinase Pfkf             | 26.6202 | 26.215  | 29 | 85.359 | 323.31 | 360  | 0.646771 | 0.801975 |
| P12658;Q8CEF3;Q Calbindin Calb1                                    | 24.1462 | 23.9643 | 9  | 29.994 | 62.058 | 42   | 0.843993 | 0.9189   |
| P12787 Cytochrome c oxidase subunit 5A, mitochondrial Cox5a        | 22.7173 | 23.0591 | 4  | 16.101 | 16.92  | 33   | 0.889744 | 0.935745 |
| P12960 Contactin-1 Cntn1   | 28.5358 | 25.1575 | 42 | 113.39 | 323.31 | 803  | 0.129716 | 0.445413 |
| Q6P1A9;Q5EBG5;Q 60S ribosomal protein L7a Rpl7a                    | 24.548  | 23.7338 | 11 | 30.024 | 38.765 | 64   | 0.314704 | 0.574692 |
| P13595;E9Q589;AC Neural cell adhesion molecule 1 Ncam1             | 25.0194 | 22.4312 | 31 | 119.43 | 26.527 | 49   | 0.122993 | 0.438249 |
| Q545P0;Q3TV47;P Sodium/potassium-transporting ATPase Atp1b1        | 29.5807 | 29.9883 | 17 | 35.194 | 323.31 | 1054 | 0.296028 | 0.553803 |
| P14115 60S ribosomal protein L27a Rpl27a                           | 21.5841 | 22.1586 | 4  | 16.605 | 8.6587 | 71   | 0.809797 | 0.903711 |
| Q5M9N8;Q3UBI6;F 60S ribosomal protein L7 Rpl7                      | 23.6323 | 22.8795 | 8  | 31.419 | 35.763 | 31   | 0.14752  | 0.457654 |
| P14152 Malate dehydrogenase, cytoplasmic Mdh1                      | 29.5376 | 28.4779 | 17 | 36.511 | 323.31 | 1018 | 0.081896 | 0.432916 |
| Q3UR55;P14231 Sodium/potassium-transporting ATPase Atp1b2          | 25.9979 | 26.5968 | 12 | 33.344 | 212.32 | 192  | 0.168377 | 0.472219 |
| Q3U5M8;P14685;C 26S proteasome non-ATPase regulatory subunit Psmd3 | 21.3844 | 22.4349 | 14 | 60.614 | 99.092 | 34   | 0.570499 | 0.755805 |
| Q8C553;P14733 Lamin-B1 Lmnb1                                       | 21.9684 | 21.8208 | 10 | 47.49  | 30.981 | 16   | 0.8731   | 0.934136 |
| Q5M8R8;Q5FWB6; 60S acidic ribosomal protein P0 Rplp0               | 24.2786 | 23.3134 | 9  | 34.216 | 143.16 | 84   | 0.266511 | 0.534685 |
| P15105 Glutamine synthetase Glul                                   | 29.1728 | 29.3856 | 21 | 42.119 | 323.31 | 1203 | 0.611701 | 0.782023 |
| Q5NC81;P15532;Q Nucleoside diphosphate kinase;Nucleoside Nme1      | 25.8552 | 26.1757 | 13 | 17.208 | 10.5   | 44   | 0.456204 | 0.676934 |
| Q5SZA3;Q3U292;P Histone H1.2;Histone H1.3 Hist1h1c;Hist1h          | 26.3009 | 24.6023 | 6  | 21.266 | 30.544 | 139  | 0.127503 | 0.444464 |
| P16045 Galectin-1 Lgals1   | 21.0793 | 20.4391 | 2  | 14.866 | 4.7916 | 3    | 0.369079 | 0.603982 |
| P16054 Protein kinase C epsilon type Prkce                         | 24.4165 | 22.9377 | 24 | 83.56  | 155.11 | 135  | 0.405922 | 0.639526 |
| P16125;D3Z7F0 L-lactate dehydrogenase B chain;L Ldhb               | 28.8946 | 27.7331 | 19 | 36.572 | 323.31 | 704  | 0.13572  | 0.452493 |
| Q3TYV5;P16330;Q 2,3-cyclic-nucleotide 3-phosphodiesterase Cnp      | 29.8231 | 30.4938 | 35 | 47.123 | 323.31 | 1755 | 0.248834 | 0.528936 |
| Q8VED0;P16332 Methylmalonyl-CoA mutase, mitochondrial Mut          | 20.5567 | 20.3628 | 5  | 82.817 | 13.86  | 10   | 0.829886 | 0.914696 |

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|---|-----------------|---------|---------|----|--------|--------|------|----------|----------|
| Q3UJ34;Q3UEJ7;P1 Argininosuccinate synthase               | Ass1;Gm5424     | 21.5911 | 22.1808 | 12 | 46.584 | 64.021 | 21   | 0.60378  | 0.779963 |
| Q5FW97;P17182;Q Alpha-enolase;Enolase                     | EG433182;Eno1   | 30.3739 | 31.2709 | 30 | 47.14  | 323.31 | 2590 | 0.06715  | 0.42652  |
| Q545V3;Q3UJ20;P1 Gamma-enolase;Enolase                    | Eno2            | 29.2403 | 29.4598 | 22 | 47.296 | 323.31 | 1288 | 0.591294 | 0.771901 |
| P17426 AP-2 complex subunit alpha-1                       | Ap2a1           | 28.3824 | 27.0222 | 50 | 107.66 | 323.31 | 830  | 0.052304 | 0.400246 |
| Q6PEE6;Q69ZW4;P AP-2 complex subunit alpha-2              | Ap2a2           | 28.1962 | 26.8313 | 45 | 104    | 323.31 | 762  | 0.164621 | 0.471563 |
| P17563;Q63836;AC Selenium-binding protein 1;Seleniu       | Selenbp1;Seleni | 21.0915 | 21.4724 | 8  | 52.513 | 39.938 | 22   | 0.760641 | 0.872484 |
| Q5SVY2;Q3UAJ1;Q Peptidyl-prolyl cis-trans isomerase; Ppia |                 | 29.1771 | 29.8479 | 12 | 17.971 | 165.35 | 692  | 0.505603 | 0.711475 |
| P17751;H7BXC3 Triosephosphate isomerase                   | Tpi1            | 30.8157 | 31.1694 | 16 | 32.191 | 323.31 | 1421 | 0.524149 | 0.720537 |
| Q3U2J2;Q3TD17;P Solute carrier family 2, facilitated g    | Slc2a1          | 21.5633 | 21.6589 | 4  | 54.07  | 129.47 | 39   | 0.932041 | 0.961355 |
| Q91V35;P18052 Receptor-type tyrosine-protein phr          | Ptptra          | 21.8747 | 19.8784 | 6  | 89.841 | 30.856 | 8    | 0.033735 | 0.347513 |
| Q544Y7;P18760;F8 Cofilin-1                                | Cfl1            | 29.9346 | 30.6473 | 14 | 18.559 | 315.75 | 670  | 0.203208 | 0.498557 |
| Q543S2;P18872;D3 Guanine nucleotide-binding protei        | Gnao1           | 29.756  | 29.2116 | 21 | 40.084 | 323.31 | 1505 | 0.119289 | 0.436668 |
| P19096;AOA0U1RN Fatty acid synthase;[Acyl-carrier-pr      | Fasn            | 27.4903 | 22.7911 | 67 | 272.43 | 323.31 | 354  | 0.067364 | 0.424525 |
| P19157;K9JA74;P4( Glutathione S-transferase P 1;Gluta     | Gstp1;Gstp2     | 27.8901 | 28.6621 | 9  | 23.609 | 219.21 | 433  | 0.275794 | 0.542474 |
| P19246;Q80TQ3 Neurofilament heavy polypeptide             | Nefh            | 25.579  | 22.6881 | 24 | 116.99 | 323.31 | 107  | 0.001455 | 0.137529 |
| Q5M9M0;P19253;P 60S ribosomal protein L13a                | Rpl13a          | 21.3786 | 21.2262 | 5  | 23.464 | 12.824 | 13   | 0.852423 | 0.921213 |
| Q9D881;P19536 Cytochrome c oxidase subunit 5B, i          | Cox5b           | 25.8512 | 27.1353 | 6  | 13.847 | 14.33  | 147  | 0.071391 | 0.421781 |
| Q3U9G2;Q3TWF2;P 78 kDa glucose-regulated protein          | Hspa5           | 26.2016 | 26.5523 | 32 | 72.405 | 323.31 | 384  | 0.569745 | 0.755429 |
| Q3TXR9;P20060 Beta-hexosaminidase;Beta-hexosai            | Hexb            | 20.1112 | 22.2149 | 10 | 61.115 | 64.066 | 28   | 0.111992 | 0.434712 |
| P20108;Q8K4K8 Thioredoxin-dependent peroxide r            | Prdx3           | 25.8518 | 26.3445 | 7  | 28.127 | 89.116 | 213  | 0.523802 | 0.720676 |
| Q5FWJ3;P20152;Q Vimentin                                  | Vim             | 24.6044 | 26.1304 | 28 | 53.687 | 323.31 | 115  | 0.178339 | 0.480856 |
| P20357;Q3URJ7 Microtubule-associated protein 2            | Map2            | 29.89   | 27.63   | 91 | 199.13 | 323.31 | 1393 | 7.48E-05 | 0.060102 |
| Q91X95;Q3UPA1;P Guanine nucleotide-binding protei         | Gna11           | 24.0707 | 22.5293 | 17 | 41.93  | 123.84 | 60   | 0.181264 | 0.480679 |
| Q3UHH5;P21279 Guanine nucleotide-binding protei           | Gnaq            | 26.5355 | 25.9112 | 20 | 42.158 | 323.31 | 292  | 0.320958 | 0.578228 |
| Q3U5K7;Q9EPX9;P Cystatin-C                                | Cst3            | 23.3033 | 23.238  | 3  | 15.217 | 12.926 | 29   | 0.976125 | 0.983469 |
| Q4QRK2;Q8C3V7;C Ferrochelatase;Ferrochelatase, mit        | Fech            | 22.3031 | 21.773  | 8  | 44.755 | 22.346 | 27   | 0.540545 | 0.735526 |
| Q3UVW2;Q8C8H5; Gamma-aminobutyric acid recepto            | Gabrg2          | 22.4042 | 20.7605 | 5  | 51.803 | 41.764 | 13   | 0.019337 | 0.320352 |
| Q8CBB7;Q3UKX8;P AP-1 complex subunit gamma-1              | Ap1g1           | 23.568  | 21.9706 | 17 | 91.721 | 129.31 | 56   | 0.024431 | 0.311589 |
| P23116;Q3UL99;Q Eukaryotic translation initiation fac     | Eif3a           | 22.7653 | 19.8271 | 18 | 161.93 | 57.743 | 34   | 0.013808 | 0.299847 |
| Q7TMQ1;P23242;C Gap junction protein;Gap junction         | Gja1            | 25.4538 | 23.7024 | 8  | 49.523 | 283.55 | 71   | 0.033751 | 0.345467 |
| Q543K9;P23492 Purine nucleoside phosphorylase             | Pnp             | 22.2153 | 20.2933 | 7  | 32.263 | 14.867 | 8    | 0.104712 | 0.43369  |
| Q52L78;P23927 Alpha-crystallin B chain                    | Cryab           | 22.2827 | 24.8819 | 6  | 20.069 | 12.259 | 52   | 0.130351 | 0.443801 |
| Q8C6E3;Q542K4;Q Catalase                                  | Cat             | 19.6413 | 20.9215 | 4  | 59.835 | 8.5365 | 5    | 0.074556 | 0.42336  |

|                  |   |               |         |         |    |        |        |      |          |          |
|------------------|---|---------------|---------|---------|----|--------|--------|------|----------|----------|
| Q3TJN1;Q9CXX6;Q  | Branched-chain-amino-acid aminotransferase 1              | Bcat1         | 22.3296 | 22.5746 | 8  | 42.791 | 96.667 | 43   | 0.510638 | 0.714182 |
| Q9DCY1;P24369    | Peptidyl-prolyl cis-trans isomerase                       | Ppib          | 23.6694 | 24.4018 | 11 | 23.713 | 34.443 | 94   | 0.634953 | 0.794062 |
| P24472           | Glutathione S-transferase A4                              | Gsta4         | 25.3602 | 26.4101 | 8  | 25.564 | 147.3  | 161  | 0.145209 | 0.45755  |
| P24527           | Leukotriene A-4 hydrolase                                 | Lta4h         | 22.6672 | 24.2756 | 19 | 69.05  | 262.38 | 68   | 0.148981 | 0.457768 |
| P24549;B2RTL5;O3 | Retinal dehydrogenase 1;Aldehyde dehydrogenase 1a1        | Aldh1a1       | 21.1362 | 22.0863 | 10 | 54.467 | 27.296 | 14   | 0.047714 | 0.385311 |
| Q3UKQ5;Q3UF03;F  | Cation-dependent mannose-6-phosphate 6-phosphotransferase | M6pr          | 21.3079 | 20.8257 | 4  | 31.172 | 10.046 | 10   | 0.447018 | 0.66824  |
| Q3UHS6;Q80TM2;F  | Talin-1   | Tln1          | 22.2078 | 20.3077 | 12 | 269.83 | 18.814 | 9    | 0.029152 | 0.320867 |
| Q4KML7;Q3UXR4;C  | Ezrin   | Ezr           | 24.6849 | 23.8415 | 19 | 69.406 | 91.077 | 112  | 0.373029 | 0.608587 |
| Q3TH46;Q3U111;P  | Radixin   | Rdx           | 22.5696 | 21.7877 | 15 | 76.852 | 23.474 | 16   | 0.074459 | 0.42582  |
| P26443;Q3TSQ7    | Glutamate dehydrogenase 1, mitochondrial                  | Glud1         | 27.7706 | 29.0757 | 30 | 61.336 | 323.31 | 1066 | 0.037138 | 0.355243 |
| Q3U6F6;Q8C483;P  | Serine--tRNA ligase, cytoplasmic                          | Sars          | 23.5934 | 24.6869 | 17 | 58.358 | 185.47 | 106  | 0.017887 | 0.32297  |
| P26883;Q3ULN5    | Peptidyl-prolyl cis-trans isomerase                       | Fkbp1a        | 26.4371 | 26.8016 | 4  | 11.922 | 45.426 | 110  | 0.463384 | 0.6838   |
| Q3UN87;P27048;P  | Small nuclear ribonucleoprotein A2/B1                     | Snrpb         | 21.6191 | 22.2133 | 5  | 24.614 | 8.6587 | 37   | 0.518222 | 0.719156 |
| Q3UE40;P27601;Q  | Guanine nucleotide-binding protein G(i)1                  | Gna13         | 22.4361 | 22.8585 | 10 | 44.038 | 23.95  | 25   | 0.248523 | 0.528975 |
| Q3UB90;Q3UB67;C  | 60S ribosomal protein L3                                  | Rpl3          | 23.5736 | 23.9591 | 12 | 46.079 | 100.27 | 56   | 0.374393 | 0.608958 |
| P27773           | Protein disulfide-isomerase A3                            | Pdia3         | 25.9233 | 27.1357 | 29 | 56.678 | 323.31 | 271  | 0.129059 | 0.446015 |
| P28028;F6SZ47    | Serine/threonine-protein kinase B                         | Braf          | 21.4631 | 20.31   | 6  | 88.779 | 15.252 | 10   | 0.366235 | 0.604872 |
| Q8VDC3;P28271    | Aconitate hydratase;Cytoplasmic aconitase 1               | Aco1          | 22.3606 | 21.0864 | 14 | 99.102 | 64.838 | 33   | 0.084231 | 0.432455 |
| Q6P5I3;P28474    | S-(hydroxymethyl)glutathione dehydrogenase                | Adh5          | 23.3989 | 22.3754 | 11 | 39.547 | 75.47  | 42   | 0.493414 | 0.703564 |
| Q5SVJ0;P28652;Q5 | Calcium/calmodulin-dependent protein kinase II            | Camk2b        | 28.4078 | 28.6525 | 28 | 72.902 | 323.31 | 747  | 0.295161 | 0.552826 |
| Q3TKP3;P28658;Q  | Ataxin-10   | Atxn10        | 19.701  | 21.6803 | 12 | 53.71  | 48.067 | 19   | 0.090944 | 0.432389 |
| P28661;Q5ND09;Q  | Septin-4  | Sept4         | 21.1942 | 23.2038 | 10 | 54.935 | 76.808 | 16   | 0.040218 | 0.35707  |
| P28663           | Beta-soluble NSF attachment protein                       | Napb          | 27.6628 | 26.2703 | 28 | 33.557 | 323.31 | 682  | 0.252861 | 0.527725 |
| P28665;P28666    | Murinoglobulin-1;Murinoglobulin-2                         | Mug1;Mug2     | 21.1195 | 19.7361 | 9  | 165.3  | 25.094 | 8    | 0.090333 | 0.434626 |
| Q3TY51;Q8CHF1;P  | Kinesin-like protein;Kinesin heavy chain                  | Kif5b         | 24.9135 | 21.7885 | 30 | 109.3  | 251.09 | 110  | 0.013274 | 0.296263 |
| Q8BN32;Q3U8U8;F  | Polyadenylate-binding protein                             | Pabpc1;Pabpc6 | 24.7961 | 25.012  | 18 | 70.669 | 323.31 | 138  | 0.623331 | 0.790602 |
| Q3TG75;P29758;Q  | Ornithine aminotransferase, mitochondrial                 | Oat           | 23.0497 | 23.6679 | 12 | 48.354 | 50.584 | 70   | 0.328248 | 0.579664 |
| Q545N7;P30275;A  | Creatine kinase U-type, mitochondrial                     | Ckmt1         | 28.2029 | 28.0847 | 20 | 47.003 | 323.31 | 785  | 0.829515 | 0.914915 |
| P30416;F6S2D5    | Peptidyl-prolyl cis-trans isomerase                       | Fkbp4         | 21.9028 | 24.2074 | 16 | 51.572 | 128.05 | 43   | 0.019385 | 0.317873 |
| Q8C2U7;Q3UZG4;P  | Aminoacyl tRNA synthase complex                           | Aimp1         | 20.6667 | 20.8515 | 5  | 35.196 | 12.464 | 14   | 0.868875 | 0.93272  |
| P31324;Q3V2X9;H  | cAMP-dependent protein kinase type II                     | Prkar2b       | 22.044  | 24.1503 | 14 | 46.167 | 256.74 | 70   | 0.006795 | 0.232321 |
| Q6PCX2;P31648;Q  | Sodium- and chloride-dependent transporter                | Slc6a1        | 26.1869 | 23.8642 | 8  | 67.13  | 167.45 | 84   | 0.026856 | 0.312731 |
| P31650;Q8BKG0    | Sodium- and chloride-dependent transporter                | Slc6a11       | 24.9201 | 23.1477 | 8  | 69.96  | 68.08  | 62   | 0.26445  | 0.534554 |

|  |         |         |    |        |        |      |          |          |
|--|---------|---------|----|--------|--------|------|----------|----------|
| Q3U3F4;Q3TMJ8;P Dual specificity mitogen-activated   Map2k1    | 26.821  | 26.1655 | 21 | 43.493 | 323.31 | 259  | 0.558729 | 0.748855 |
| Q8BLF7;Q4FJP8;Q3 Solute carrier family 2, facilitated g Slc2a3 | 24.2197 | 22.2253 | 6  | 53.451 | 214.28 | 78   | 0.355397 | 0.597409 |
| P34022;H7BX22;Q Ran-specific GTPase-activating prot Ranbp1     | 22.6446 | 21.4835 | 7  | 23.596 | 18.762 | 40   | 0.515267 | 0.716912 |
| Q545F0;P34884 Macrophage migration inhibitory f; Mif           | 26.1391 | 27.0927 | 3  | 12.504 | 20.645 | 162  | 0.440453 | 0.665859 |
| P35235;Q9CT18;Q Tyrosine-protein phosphatase non- Ptpn11       | 22.3447 | 23.1193 | 14 | 68.46  | 81.306 | 48   | 0.28533  | 0.546514 |
| Q3TJ39;Q8C266;P3 Ras-related protein Rab-5C Rab5c              | 26.2742 | 26.2245 | 7  | 23.412 | 73.133 | 227  | 0.939023 | 0.96484  |
| Q3U4W5;Q0PD54;I Ras-related protein Rab-6A Rab6a               | 27.6824 | 27.9558 | 12 | 23.545 | 160.31 | 479  | 0.666325 | 0.817393 |
| Q0PD35;P35282;Q Ras-related protein Rab-21 Rab21               | 23.7746 | 23.7956 | 6  | 24.106 | 51.643 | 68   | 0.97392  | 0.982479 |
| Q0PD38;P35293;Q Ras-related protein Rab-18 Rab18               | 23.0317 | 24.2038 | 6  | 23.035 | 12.595 | 40   | 0.026484 | 0.31294  |
| P35436 Glutamate receptor ionotropic, NM Grin2a                | 22.3233 | 20.7985 | 10 | 165.42 | 34.616 | 17   | 0.194804 | 0.492218 |
| Q3UJ3;P35486 Pyruvate dehydrogenase E1 compc Pdha1             | 27.7963 | 27.9524 | 26 | 43.231 | 323.31 | 690  | 0.679048 | 0.827317 |
| Q3UJS2;P35550 rRNA 2-O-methyltransferase fibrillc Fbl          | 21.5114 | 20.7107 | 4  | 34.375 | 14.897 | 24   | 0.246365 | 0.532851 |
| Q5SUC3;P35564;Q Calnexin Canx                                  | 25.6719 | 24.0897 | 19 | 67.277 | 323.31 | 209  | 0.149529 | 0.458576 |
| Q3UG16;P35585 AP-1 complex subunit mu-1 Ap1m1                  | 19.7437 | 21.674  | 8  | 48.542 | 81.924 | 15   | 0.073016 | 0.422072 |
| P35700;B1AXW5;B Peroxiredoxin-1 Prdx1                          | 27.7406 | 28.6113 | 15 | 22.176 | 222    | 545  | 0.131258 | 0.445943 |
| Q3UWG5;P35762;T Tetraspanin;CD81 antigen Cd81                  | 23.2936 | 26.1546 | 4  | 25.828 | 248.44 | 104  | 0.167985 | 0.473598 |
| Q542P2;P35802;Q Neuronal membrane glycoprotein I Gpm6a         | 28.926  | 28.2568 | 10 | 31.149 | 323.31 | 538  | 0.127205 | 0.444388 |
| Q8C2K0;Q5BLK0;P 60S ribosomal protein L12 Rpl12                | 22.8184 | 23.032  | 5  | 17.806 | 13.884 | 61   | 0.910759 | 0.947307 |
| Q642K1;Q58EW0;P 60S ribosomal protein L18 Rpl18                | 25.7243 | 25.0807 | 8  | 21.643 | 56.547 | 92   | 0.296232 | 0.553541 |
| P36916;Q52KE3;A2 Guanine nucleotide-binding protein Gnl1       | 21.8659 | 21.2123 | 7  | 68.77  | 25.269 | 21   | 0.39269  | 0.626044 |
| P37040;Q05DV1 NADPH--cytochrome P450 reducta Por               | 20.8251 | 21.9746 | 9  | 77.043 | 17.955 | 13   | 0.392856 | 0.625068 |
| P38647 Stress-70 protein, mitochondrial Hspa9                  | 26.0784 | 26.9123 | 30 | 73.46  | 323.31 | 430  | 0.214958 | 0.503552 |
| P39053 Dynamin-1 Dnm1  | 22.7213 | 21.9608 | 62 | 97.802 | 44.975 | 32   | 0.434051 | 0.663041 |
| Q3UVJ2;Q3U0U5;P Adenylyl cyclase-associated proteir Cap1       | 26.3875 | 27.8986 | 25 | 51.55  | 323.31 | 275  | 0.023513 | 0.314871 |
| P40142 Transketolase Tkt                                       | 27.4949 | 27.8341 | 35 | 67.63  | 323.31 | 556  | 0.523179 | 0.720436 |
| Q5M9N5;Q5M9J8;I 60S ribosomal protein L28 Rpl28                | 23.1549 | 23.5653 | 5  | 15.709 | 8.3752 | 21   | 0.464644 | 0.683775 |
| Q9DBN7;P42125 Enoyl-CoA delta isomerase 1, mito Eci1           | 22.1686 | 22.5269 | 8  | 32.223 | 39.23  | 26   | 0.819329 | 0.908669 |
| P42208;E9Q3V6;F6 Septin-2 Sept2                                | 22.1881 | 22.4948 | 10 | 41.525 | 90.959 | 30   | 0.767323 | 0.876396 |
| P42669;Q8C6E9 Transcriptional activator protein Pt Pura        | 25.7792 | 25.1798 | 8  | 34.883 | 323.31 | 194  | 0.561542 | 0.748878 |
| Q3UL22;Q6A0F1;P T-complex protein 1 subunit theta Cct8;Cctq    | 25.8375 | 26.8343 | 28 | 59.555 | 323.31 | 184  | 0.057848 | 0.413164 |
| Q3UYK6;P43006;A Amino acid transporter;Excitatory i Slc1a2     | 30.2359 | 28.1879 | 19 | 62.03  | 323.31 | 1016 | 0.28702  | 0.545847 |
| Q9DCW5;P43024 Cytochrome c oxidase subunit 6A, I Cox6a1        | 24.4854 | 23.7275 | 3  | 12.483 | 6.9529 | 66   | 0.696145 | 0.83361  |
| P43274 Histone H1.4 Hist1h1e                                   | 24.0787 | 20.8554 | 5  | 21.977 | 14.438 | 67   | 0.00462  | 0.212118 |

|   |               |         |         |    |        |        |      |          |          |
|---|---------------|---------|---------|----|--------|--------|------|----------|----------|
| Q3TCL2;Q5U415;Q Aldose reductase                        | Akr1b3;Akr1b1 | 25.3625 | 24.7119 | 14 | 35.051 | 91.044 | 114  | 0.161479 | 0.470957 |
| Q3UHW9;P45591 Cofilin-2                                 | Cfl2          | 24.4154 | 25.035  | 7  | 18.709 | 17.107 | 78   | 0.432095 | 0.661942 |
| Q91WS8;P45952;Q Medium-chain specific acyl-CoA de Acadm |               | 20.0539 | 19.8948 | 6  | 46.437 | 23.432 | 13   | 0.846694 | 0.919971 |
| P46460 Vesicle-fusing ATPase                            | Nsf           | 29.8172 | 29.7892 | 61 | 82.613 | 323.31 | 1885 | 0.966884 | 0.977836 |
| Q3U5V3;Q8BVQ9;F 26S protease regulatory subunit 7       | Psmc2         | 21.653  | 23.2951 | 13 | 48.684 | 117.32 | 30   | 0.030948 | 0.329357 |
| P46660 Alpha-internexin                                 | Ina           | 27.3445 | 28.9103 | 30 | 55.382 | 323.31 | 641  | 0.020425 | 0.321797 |
| Q80XR3;P47199;Q Quinone oxidoreductase                  | Cryz          | 21.9065 | 20.9881 | 8  | 35.367 | 70.579 | 18   | 0.248397 | 0.530818 |
| Q768S5;P47708 Rabphilin-3A                              | Rph3a         | 25.2836 | 23.7492 | 17 | 75.492 | 323.31 | 97   | 0.194084 | 0.491169 |
| Q544B1;Q3UJW1;C Aldehyde dehydrogenase, mitocho         | Aldh2         | 23.4008 | 25.3064 | 23 | 56.537 | 323.31 | 181  | 0.101238 | 0.434996 |
| Q99NU3;P47746 Cannabinoid receptor 1                    | Cnr1          | 22.4536 | 22.167  | 2  | 37.316 | 7.4987 | 11   | 0.627239 | 0.792432 |
| Q5DQJ3;P47754;Q F-actin-capping protein subunit alp     | Capza2        | 26.3536 | 25.72   | 14 | 32.967 | 323.31 | 428  | 0.508955 | 0.712448 |
| Q3U9R7;Q3UB84;C Glutathione reductase, mitochondr       | Gsr           | 21.8931 | 23.4389 | 8  | 48.886 | 105.46 | 38   | 0.072203 | 0.421927 |
| Q543X6;P47809;Q Dual specificity mitogen-activated      | Map2k4        | 22.5133 | 21.7191 | 12 | 44.113 | 61.196 | 40   | 0.542088 | 0.737001 |
| P47857;Q99K08 ATP-dependent 6-phosphofructoki           | Pfkm          | 27.5582 | 27.5409 | 30 | 85.268 | 323.31 | 519  | 0.963722 | 0.975867 |
| Q3UCH0;P47911;E 60S ribosomal protein L6                | Rpl6;Gm5428   | 23.5008 | 22.575  | 9  | 33.509 | 37.114 | 58   | 0.054341 | 0.409983 |
| Q3TKR5;Q58EU6;Q 60S ribosomal protein L5                | Rpl5          | 21.2583 | 21.7923 | 7  | 34.269 | 27.559 | 28   | 0.602854 | 0.779394 |
| Q5RKP3;P47963;A 60S ribosomal protein L13               | Rpl13         | 24.6641 | 24.2389 | 6  | 24.597 | 53.457 | 102  | 0.593508 | 0.772907 |
| P48036 Annexin A5                                       | Anxa5         | 25.69   | 23.3593 | 18 | 35.752 | 176.14 | 190  | 0.284162 | 0.546884 |
| Q548L6;P48318 Glutamate decarboxylase 1                 | Gad1          | 22.7127 | 23.3963 | 9  | 66.648 | 84.685 | 29   | 0.196647 | 0.494541 |
| Q548L4;P48320 Glutamate decarboxylase 2                 | Gad2          | 23.7724 | 24.5501 | 14 | 65.223 | 323.31 | 89   | 0.181217 | 0.481348 |
| P48678 Prelamin-A/C;Lamin-A/C                           | Lmna          | 23.1098 | 24.3055 | 21 | 74.237 | 308.95 | 75   | 0.160175 | 0.468855 |
| P48722;E0CY23 Heat shock 70 kDa protein 4L              | Hspa4l        | 25.1245 | 23.9123 | 39 | 94.381 | 323.31 | 148  | 0.216172 | 0.503461 |
| P48771 Cytochrome c oxidase subunit 7A2,                | Cox7a2        | 25.0837 | 23.0592 | 2  | 9.2908 | 10.363 | 104  | 0.43432  | 0.662822 |
| P48774;E9PVM7;E Glutathione S-transferase Mu 5          | Gstm5         | 26.6178 | 27.5939 | 20 | 26.635 | 243.75 | 398  | 0.179672 | 0.482026 |
| P48962;Q8BVI9 ADP/ATP translocase 1                     | Slc25a4       | 30.3637 | 30.6394 | 23 | 32.904 | 323.31 | 2337 | 0.591662 | 0.771754 |
| Q3U7F3;Q3TIK8;Q Heterogeneous nuclear ribonucleo        | Hnrnpa1       | 25.4979 | 23.8353 | 15 | 34.238 | 159.85 | 157  | 0.210907 | 0.499156 |
| P49443;Q9EQE2;Q Protein phosphatase 1A                  | Ppm1a         | 22.8211 | 21.597  | 10 | 42.432 | 53.698 | 34   | 0.302195 | 0.560771 |
| Q543F6;P49615;A Cyclin-dependent-like kinase 5          | Cdk5          | 22.9804 | 23.4324 | 11 | 33.288 | 49.135 | 92   | 0.342942 | 0.589421 |
| Q3UWT6;P49722;C Proteasome subunit alpha type;Prc       | Psm2          | 23.5584 | 25.1254 | 9  | 27.509 | 63.46  | 72   | 0.024768 | 0.310948 |
| Q3TF14;P50247;Q Adenosylhomocysteinase                  | Ahcy          | 22.8981 | 24.3006 | 16 | 47.688 | 70.265 | 72   | 0.067229 | 0.425343 |
| P50396 Rab GDP dissociation inhibitor alph              | Gdi1          | 27.8338 | 28.8132 | 30 | 50.521 | 323.31 | 935  | 0.074549 | 0.424824 |
| P50516 V-type proton ATPase catalytic sub               | Atp6v1a       | 29.3229 | 29.6212 | 41 | 68.325 | 323.31 | 1723 | 0.604916 | 0.780176 |
| P50518;A0A0N4SW V-type proton ATPase subunit E 1        | Atp6v1e1      | 28.0309 | 27.7746 | 15 | 26.157 | 323.31 | 631  | 0.635468 | 0.794088 |

|                  |   |               |         |         |    |        |        |      |          |          |
|------------------|---|---------------|---------|---------|----|--------|--------|------|----------|----------|
| Q05BN2;Q3UMW2    | Proliferation-associated protein 2G Pa2g4 |               | 21.3197 | 22.4344 | 11 | 41.508 | 44.16  | 25   | 0.367041 | 0.60434  |
| Q4FJQ0;P51150    | Ras-related protein Rab-7a                | Rab7;Rab7a    | 25.7132 | 26.9167 | 15 | 23.489 | 162.97 | 272  | 0.09727  | 0.432998 |
| P51174;A0A0R4J08 | Long-chain specific acyl-CoA dehyd        | Acadl         | 22.0697 | 23.2838 | 15 | 47.907 | 119.83 | 50   | 0.368566 | 0.604373 |
| P51830;E9Q706    | Adenylate cyclase type 9                  | Adcy9         | 22.8591 | 20.5911 | 13 | 150.95 | 31.154 | 22   | 0.139454 | 0.455494 |
| Q8R436;Q541E2;Q  | Glutathione synthetase                    | Gss           | 21.4624 | 21.492  | 4  | 51.945 | 10.686 | 7    | 0.97634  | 0.983069 |
| P51859;E0CXA0;E0 | Hepatoma-derived growth factor            | Hdgp          | 21.9009 | 20.3951 | 6  | 26.268 | 14.445 | 24   | 0.206019 | 0.498603 |
| P51863;Q921S5    | V-type proton ATPase subunit d 1          | Atp6v0d1      | 26.2127 | 26.0064 | 15 | 40.301 | 323.31 | 470  | 0.796548 | 0.899545 |
| Q545A2;P51881    | ADP/ATP translocase 2;ADP/ATP tr          | Slc25a5       | 27.6945 | 27.9247 | 20 | 32.931 | 323.31 | 688  | 0.572115 | 0.754216 |
| Q545S0;P52196    | Sulfurtransferase;Thiosulfate sulfur      | Tst           | 23.5256 | 21.8209 | 9  | 33.466 | 35.647 | 68   | 0.235422 | 0.523268 |
| P52480           | Pyruvate kinase PKM                       | Pkm           | 30.47   | 31.3028 | 35 | 57.844 | 323.31 | 2735 | 0.123817 | 0.440207 |
| P52760           | Ribonuclease UK114                        | Hrsp12        | 25.441  | 23.6076 | 6  | 14.255 | 51.501 | 117  | 0.477247 | 0.69218  |
| Q5ND42;Q3UE53;C  | Phosphatidylinositol transfer prote       | Pitpna        | 25.497  | 23.4958 | 16 | 31.893 | 194.46 | 192  | 0.319305 | 0.577841 |
| Q8BXY4;Q0PD65;P  | Ras-related protein Rab-2A                | Rab2a         | 26.5733 | 27.2096 | 13 | 19.157 | 151.69 | 344  | 0.410946 | 0.643655 |
| P54071;D6RIL6    | Isocitrate dehydrogenase [NADP], l        | Idh2          | 24.1901 | 23.9381 | 18 | 50.906 | 131.14 | 156  | 0.881004 | 0.933888 |
| Q9DCP3;Q91XT3;Q  | Stathmin                                  | Stmn1         | 25.1508 | 25.5781 | 8  | 17.334 | 17.052 | 41   | 0.804058 | 0.901689 |
| Q3TJ52;Q3UQN3;Q  | UV excision repair protein RAD23 h        | Rad23b        | 19.8257 | 22.0377 | 8  | 34.613 | 42.675 | 25   | 0.157527 | 0.46879  |
| Q8BKU2;Q569X4;Q  | 26S protease regulatory subunit 6E        | Psmc4         | 22.3801 | 22.7509 | 11 | 47.394 | 36.39  | 32   | 0.821954 | 0.909697 |
| P54823           | Probable ATP-dependent RNA helic          | Ddx6          | 20.0258 | 21.9274 | 9  | 54.191 | 49.218 | 12   | 0.057859 | 0.411414 |
| Q3U5N4;P54923    | [Protein ADP-ribosylarginine] hydr        | Adprh         | 21.0379 | 20.964  | 4  | 40.068 | 14.464 | 12   | 0.909194 | 0.948135 |
| P55264;Q8BMC5    | Adenosine kinase                          | Adk           | 21.5559 | 22.4364 | 10 | 40.148 | 64     | 35   | 0.522139 | 0.71962  |
| Q6PB52;Q6PEM5;C  | Alpha-2-macroglobulin receptor-as         | Lrpap1        | 20.5298 | 20.7895 | 4  | 35.491 | 22.211 | 12   | 0.76727  | 0.876958 |
| P56135;F8WHP8    | ATP synthase subunit f, mitochond         | Atp5j2        | 25.535  | 23.3897 | 3  | 10.344 | 55.933 | 230  | 0.4029   | 0.636012 |
| Q3V1C8;P56380    | Bis(5-nucleosyl)-tetrphosphatase          | Nudt2         | 21.7125 | 20.9387 | 4  | 17.037 | 29.552 | 12   | 0.53989  | 0.735881 |
| P56391;A0A140LIU | Cytochrome c oxidase subunit 6B1          | Cox6b1        | 25.8239 | 27.1148 | 7  | 10.071 | 21.587 | 140  | 0.297302 | 0.554251 |
| Q3U4W8;P56399    | Ubiquitin carboxyl-terminal hydrol        | Usp5          | 26.1742 | 24.2379 | 28 | 93.354 | 323.31 | 248  | 0.137753 | 0.45643  |
| P56480           | ATP synthase subunit beta, mitoch         | Atp5b         | 30.9659 | 32.241  | 29 | 56.3   | 323.31 | 3509 | 0.022338 | 0.314894 |
| Q8C7W8;Q8C3T7;C  | Amino acid transporter;Excitatory         | Slc1a3        | 28.0231 | 26.2418 | 10 | 59.592 | 323.31 | 490  | 0.199677 | 0.49749  |
| Q3UN10;Q80UI9;Q  | Wolframin                                 | Wfs1          | 22.2997 | 21.0388 | 8  | 91.816 | 18.135 | 17   | 0.338721 | 0.587824 |
| Q3UJH5;Q3U861;P  | V-type proton ATPase subunit D            | Atp6v1d       | 26.533  | 25.773  | 14 | 28.355 | 323.31 | 287  | 0.24981  | 0.529611 |
| P57759           | Endoplasmic reticulum resident pro        | Erp29         | 21.8618 | 22.5343 | 5  | 28.823 | 13.397 | 40   | 0.570639 | 0.754746 |
| Q3ULT2;P57780;Q  | Alpha-actinin-4                           | Actn4         | 24.8211 | 23.7355 | 41 | 104.98 | 323.31 | 104  | 0.139761 | 0.455569 |
| Q3UMI7;Q3UDC8;F  | Elongation factor 2                       | Eef2          | 27.6261 | 26.2281 | 44 | 95.326 | 323.31 | 426  | 0.100853 | 0.43685  |
| P58281;Q80TX7;H7 | Dynamin-like 120 kDa protein, mitc        | Opa1;mKIAA05t | 25.717  | 24.1577 | 33 | 111.34 | 323.31 | 166  | 0.237928 | 0.527379 |

|   |                |         |         |    |        |        |      |          |          |
|---|----------------|---------|---------|----|--------|--------|------|----------|----------|
| Q543N6;P58389;Q Serine/threonine-protein phosphatase 2B     | Ppp2r4         | 24.8665 | 25.3479 | 10 | 36.71  | 110.92 | 91   | 0.247548 | 0.531122 |
| Q3U3S0;P58404;V Striatin-4                                  | Strn4          | 21.8617 | 21.1606 | 6  | 80.964 | 14.621 | 15   | 0.594959 | 0.772918 |
| Q3TQR3;P59325;Q Eukaryotic translation initiation factor 5  | Eif5           | 21.2016 | 22.8231 | 9  | 48.968 | 28.937 | 23   | 0.088161 | 0.433254 |
| Q9D3C4;Q7TPD9;P Actin-related protein 2/3 complex subunit 4 | Arpc4          | 27.4035 | 28.4811 | 6  | 19.653 | 56.721 | 450  | 0.311636 | 0.573654 |
| Q3UYM8;P60202;C Myelin proteolipid protein                  | Plp1           | 30.1621 | 30.9852 | 10 | 30.077 | 213.31 | 1365 | 0.289472 | 0.547917 |
| Q9CT23;Q3UIG0;P Eukaryotic translation initiation factor 3e | Eif3e          | 20.0904 | 20.6832 | 9  | 49.567 | 89.795 | 20   | 0.692933 | 0.832867 |
| P60335 Poly(rC)-binding protein 1                           | Pcbp1          | 24.5046 | 24.5529 | 11 | 37.497 | 106.12 | 142  | 0.947833 | 0.969553 |
| P60487;Q6IS27 Pyridoxal phosphate phosphatase               | Pdxp           | 24.7962 | 25.3892 | 13 | 31.512 | 111.86 | 158  | 0.350373 | 0.594562 |
| Q3UE06;Q3UDU9;F Nuclear protein localization protein 4      | Nploc4         | 20.1159 | 20.4371 | 2  | 68.035 | 62.677 | 3    | 0.701447 | 0.833131 |
| P60761 Neurogranin;NEUG(55-78)                              | Nrgn           | 25.4017 | 26.9767 | 2  | 7.4963 | 59.286 | 36   | 0.215696 | 0.503083 |
| P60766;Q3UL78 Cell division control protein 42 homolog      | Cdc42          | 26.1632 | 25.8602 | 6  | 21.258 | 118.15 | 74   | 0.679821 | 0.827004 |
| Q4FZL1;Q5F2A7;Q Eukaryotic initiation factor 4A-I           | Eif4a1         | 23.2925 | 22.9703 | 17 | 46.022 | 91.781 | 56   | 0.848975 | 0.919961 |
| Q5BLK2;P60867 40S ribosomal protein S20                     | Rps20          | 23.3152 | 19.687  | 3  | 13.373 | 6.3259 | 24   | 0.128282 | 0.445246 |
| P60879 Synaptosomal-associated protein 2                    | Snap25         | 27.9058 | 28.5276 | 19 | 23.315 | 323.31 | 611  | 0.115897 | 0.435154 |
| P60904;G5E8T0;Q DnaJ homolog subfamily C member 5           | Dnajc5         | 27.3834 | 26.2652 | 9  | 22.101 | 323.31 | 201  | 0.286483 | 0.545472 |
| Q4FJL0;P61027;Q3 Ras-related protein Rab-10                 | Rab10          | 25.5309 | 26.3859 | 8  | 22.541 | 65.159 | 157  | 0.217723 | 0.503425 |
| Q0PD49;P61028;Q Ras-related protein Rab-8B                  | Rab8b          | 23.0291 | 22.3363 | 5  | 23.603 | 4.1552 | 20   | 0.5389   | 0.735779 |
| P61082;F7CDT0;F6 NEDD8-conjugating enzyme Ubc12             | Ube2m          | 24.3266 | 24.458  | 6  | 20.9   | 15.202 | 38   | 0.875679 | 0.932549 |
| Q5SW83;P61161;Q Actin-related protein 2                     | Actr2          | 26.1458 | 26.2704 | 14 | 44.76  | 323.31 | 334  | 0.631613 | 0.794211 |
| P61164 Alpha-centractin                                     | Actr1a         | 24.902  | 25.6255 | 15 | 42.613 | 323.31 | 183  | 0.185792 | 0.483903 |
| Q3UK65;Q3V3N6;P COP9 signalosome complex subunit 2          | Cops2          | 21.7187 | 23.4571 | 15 | 51.609 | 96.021 | 35   | 0.055333 | 0.407891 |
| Q3U344;P84078;P ADP-ribosylation factor 1;ADP-ribose        | Arf3;Arf1;Arf2 | 28.9617 | 29.3524 | 11 | 20.601 | 305    | 913  | 0.554385 | 0.747396 |
| Q6ZWR0;P61226 Ras-related protein Rap-2b                    | Rap2b          | 25.2372 | 23.4406 | 7  | 20.504 | 146.05 | 98   | 0.421157 | 0.652022 |
| P61264 Syntaxin-1B  | Stx1b          | 28.2539 | 27.2433 | 17 | 33.244 | 323.31 | 695  | 0.107236 | 0.435173 |
| P61329;C6EQH1;A Fibroblast growth factor 12;Fibroblast      | Fgf12;Fgf14    | 21.3959 | 21.1869 | 4  | 27.399 | 7.4454 | 24   | 0.912397 | 0.948397 |
| Q5BLJ9;P61358;Q9 60S ribosomal protein L27                  | Rpl27          | 24.0457 | 24.4353 | 4  | 15.798 | 9.9322 | 58   | 0.711937 | 0.843097 |
| P61922;Q3V1S0 4-aminobutyrate aminotransferase              | Abat           | 26.2625 | 27.6119 | 27 | 56.451 | 323.31 | 332  | 0.038383 | 0.360705 |
| P62071;Q9CTF6;A0 Ras-related protein R-Ras2;Ras-related     | Rras2;Rras     | 20.4694 | 20.6303 | 2  | 23.399 | 3.3726 | 8    | 0.886558 | 0.934228 |
| Q4FZE6;P62082;F6 40S ribosomal protein S7                   | Rps7;Gm9493    | 23.499  | 24.4163 | 8  | 22.127 | 18.311 | 42   | 0.11517  | 0.434455 |
| P62137;Q3U8W0;C Serine/threonine-protein phosphatase 1c     | Ppp1ca         | 22.0314 | 22.3464 | 16 | 37.54  | 38.003 | 55   | 0.801033 | 0.902075 |
| P62141 Serine/threonine-protein phosphatase 1cb             | Ppp1cb         | 24.1614 | 22.3744 | 16 | 37.186 | 58.698 | 78   | 0.219958 | 0.505682 |
| Q542I9;P62192 26S protease regulatory subunit 4             | Psmc1          | 21.69   | 24.0768 | 15 | 49.184 | 114.89 | 36   | 0.082542 | 0.433481 |
| Q99KR1;P62196;Q 26S protease regulatory subunit 8           | Psmc5          | 22.0301 | 22.1404 | 8  | 34.165 | 47.993 | 36   | 0.944302 | 0.966556 |

|   |                 |         |         |    |        |        |      |          |          |
|---|-----------------|---------|---------|----|--------|--------|------|----------|----------|
| P62204;Q3UKW2;C Calmodulin;Calmodulin-like proteir  | Calm1;Calml3    | 27.3957 | 28.0741 | 9  | 16.837 | 171.56 | 107  | 0.114941 | 0.435636 |
| Q497E9;P62242;Q540S ribosomal protein S8            | Rps8            | 24.8357 | 25.0729 | 10 | 24.205 | 81.168 | 144  | 0.687971 | 0.831881 |
| Q5SS40;P62259;Q814-3-3 protein epsilon              | Ywhae           | 30.4168 | 30.2301 | 26 | 29.174 | 323.31 | 1777 | 0.516002 | 0.716695 |
| Q9CWI9;Q497E1;Q 40S ribosomal protein S23           | Rps23           | 22.1751 | 21.8408 | 4  | 15.835 | 5.8491 | 21   | 0.740589 | 0.86241  |
| Q3UC02;Q9DB79;P 40S ribosomal protein S11           | Rps11           | 23.9798 | 23.4445 | 12 | 18.431 | 20.16  | 67   | 0.803888 | 0.902129 |
| Q921R2;Q5BLJ7;P6 40S ribosomal protein S13          | Rps13           | 24.0535 | 25.4546 | 7  | 16.142 | 27.588 | 113  | 0.248505 | 0.529638 |
| Q91VM2;P62320 Small nuclear ribonucleoprotein Sn    | Snrpd3          | 22.1029 | 22.2456 | 3  | 13.985 | 8.4304 | 25   | 0.921459 | 0.954729 |
| Q3U0D7;P62331 ADP-ribosylation factor 6             | Arf6            | 20.5474 | 21.954  | 4  | 20.082 | 7.4139 | 21   | 0.284487 | 0.546201 |
| Q8QZS9;Q14AQ1;P 26S protease regulatory subunit 1C  | Psmc6           | 20.9333 | 21.7755 | 9  | 33.053 | 53.776 | 39   | 0.628281 | 0.792502 |
| P62482;E0CXZ9;Q3 Voltage-gated potassium channel s  | Kcnab2          | 25.0752 | 24.9686 | 20 | 41.021 | 323.31 | 132  | 0.690468 | 0.831771 |
| P62631 Elongation factor 1-alpha 2                  | Eef1a2          | 26.5409 | 27.6411 | 19 | 50.454 | 323.31 | 317  | 0.055657 | 0.408409 |
| Q545F8;Q545X8;Q: 40S ribosomal protein S4;40S ribos | Rps4x;Rps4l;Grr | 25.0383 | 24.9357 | 12 | 27.504 | 47.387 | 89   | 0.840857 | 0.919223 |
| P62715;Q8VED4;Q: Serine/threonine-protein phosphat  | Ppp2cb          | 21.1936 | 20.4435 | 15 | 35.575 | 19.14  | 7    | 0.356954 | 0.599399 |
| Q3UJ76;P62743;A0 AP-2 complex subunit sigma         | Ap2s1           | 26.7063 | 26.9001 | 5  | 17.018 | 30.541 | 148  | 0.679958 | 0.826545 |
| Q4FJM5;P62746;Q: Rho-related GTP-binding protein Rl | Rhob            | 25.7754 | 26.3358 | 9  | 22.123 | 30.742 | 152  | 0.416052 | 0.650385 |
| P62748 Hippocalcin-like protein 1                   | Hpcal1          | 23.3029 | 22.3046 | 10 | 22.338 | 7.9403 | 19   | 0.613623 | 0.781992 |
| Q8BT09;Q5BLK1;P6 40S ribosomal protein S6           | Rps6            | 22.2117 | 21.9864 | 5  | 28.667 | 52.873 | 26   | 0.773285 | 0.879455 |
| Q4W4C9;Q3TVC0;F Visinin-like protein 1              | Vsnl1           | 26.6513 | 27.4697 | 13 | 22.142 | 52.357 | 263  | 0.443841 | 0.66784  |
| P62774 Myotrophin                                   | Mtpn            | 20.512  | 22.2489 | 1  | 12.861 | 16.715 | 19   | 0.48267  | 0.695651 |
| Q544F7;Q3URD4;P Gamma-aminobutyric acid recepto     | Gabra1          | 22.1729 | 21.5497 | 7  | 51.753 | 16.04  | 13   | 0.634896 | 0.794608 |
| P62814 V-type proton ATPase subunit B, br           | Atp6v1b2        | 28.5741 | 30.0459 | 29 | 56.55  | 323.31 | 1406 | 0.036422 | 0.359082 |
| Q5SW88;Q3UB66;C Ras-related protein Rab-1A          | Rab1;Rab1A      | 27.3692 | 27.8336 | 9  | 22.372 | 118.98 | 404  | 0.417861 | 0.65068  |
| Q3TU26;Q542T7;P: Ras-related protein Rab-3C         | Rab3c           | 23.7796 | 24.3299 | 7  | 25.623 | 56.174 | 89   | 0.663633 | 0.815959 |
| Q3ULW0;P62827;C GTP-binding nuclear protein Ran     | Ran;1700009N1   | 26.5642 | 26.9767 | 11 | 24.351 | 71.565 | 337  | 0.444514 | 0.667602 |
| P62830 60S ribosomal protein L23                    | Rpl23           | 21.4562 | 22.7722 | 4  | 14.865 | 6.1406 | 30   | 0.478206 | 0.692946 |
| Q58EA6;P62852 40S ribosomal protein S25             | Rps25           | 25.3151 | 25.8633 | 4  | 13.742 | 9.7437 | 73   | 0.367227 | 0.604026 |
| Q497N1;P62855 40S ribosomal protein S26             | Rps26           | 23.9736 | 25.0545 | 3  | 13.015 | 6.9271 | 43   | 0.414438 | 0.648492 |
| P62869 Transcription elongation factor B p          | Tceb2           | 21.2636 | 22.4492 | 3  | 13.17  | 6.5232 | 32   | 0.534745 | 0.730727 |
| Q3TQ70;P62874;Q: Guanine nucleotide-binding proteir | Gnb1            | 30.0786 | 28.2184 | 16 | 37.377 | 323.31 | 1089 | 0.09076  | 0.432795 |
| Q3U9V4;P62880;E: Guanine nucleotide-binding proteir | Gnb2            | 27.4988 | 26.0603 | 16 | 37.331 | 323.31 | 398  | 0.14744  | 0.458289 |
| Q497D7;Q5PR15;Q 60S ribosomal protein L30           | Rpl30           | 20.2618 | 22.7813 | 2  | 12.656 | 8.1499 | 13   | 0.020646 | 0.313006 |
| Q56A15;P62897 Cytochrome c, somatic                 | Cycc            | 28.3094 | 29.6361 | 11 | 11.605 | 59.962 | 358  | 0.120417 | 0.436817 |
| Q5YLW3;P62908;Q 40S ribosomal protein S3            | Rps3            | 24.5197 | 24.6507 | 19 | 26.674 | 107.95 | 187  | 0.841384 | 0.918549 |

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|------------------|---------------------------------------|---------------|---------|---------|----|--------|--------|------|----------|----------|
| P62911;Q5PR09    | 60S ribosomal protein L32             | Rpl32         | 21.5538 | 23.1887 | 5  | 15.86  | 9.272  | 22   | 0.40729  | 0.640426 |
| Q3UJS0;P62918;Q3 | 60S ribosomal protein L8              | Rpl8          | 24.5566 | 23.4468 | 4  | 28.066 | 42.865 | 47   | 0.206658 | 0.498648 |
| Q5SW18;P63005;Q  | Platelet-activating factor acetylhyd  | Pafah1b1      | 24.4031 | 25.1379 | 21 | 46.67  | 323.31 | 114  | 0.452518 | 0.672707 |
| Q0PD63;P63011    | Ras-related protein Rab-3A            | Rab3a         | 28.6515 | 28.9859 | 8  | 24.97  | 323.31 | 764  | 0.533196 | 0.729851 |
| Q3UBA6;Q3TH56;C  | Heat shock cognate 71 kDa protein     | Hspa8         | 30.0903 | 30.7138 | 41 | 70.898 | 323.31 | 2328 | 0.168332 | 0.47292  |
| P63028;D3YU75    | Translationally-controlled tumor pr   | Tpt1          | 24.9478 | 25.9212 | 4  | 19.462 | 16.829 | 40   | 0.187592 | 0.483885 |
| Q3UX28;Q3TCV4;P  | Mitochondrial pyruvate carrier 1      | Mpc1          | 21.5604 | 21.9233 | 5  | 12.454 | 105.83 | 18   | 0.847314 | 0.920023 |
| Q5NTY0;Q3TK61;P  | DnaJ homolog subfamily A membe        | Dnaja1        | 22.0004 | 22.5958 | 6  | 44.868 | 58.808 | 28   | 0.671105 | 0.821376 |
| P63038           | 60 kDa heat shock protein, mitoch     | Hspd1         | 28.0722 | 29.286  | 44 | 60.955 | 323.31 | 896  | 0.102471 | 0.434488 |
| P63040           | Complexin-1                           | Cplx1         | 20.5682 | 22.9743 | 4  | 15.122 | 8.0009 | 9    | 0.097648 | 0.433482 |
| Q8BQV8;P63046    | Sulfotransferase;Sulfotransferase 4   | Sult4a1       | 22.0422 | 20.922  | 7  | 32.971 | 25.388 | 23   | 0.385078 | 0.617585 |
| Q3TK95;P63073;A  | Eukaryotic translation initiation fac | Eif4e         | 22.4751 | 23.7459 | 5  | 25.053 | 8.2517 | 32   | 0.474331 | 0.688572 |
| P63085;Q3UF82;O  | Mitogen-activated protein kinase 1    | Mapk1;Erk2    | 27.344  | 26.8714 | 27 | 41.275 | 323.31 | 581  | 0.282925 | 0.547125 |
| Q6ZWM8;Q3U7K1;   | Serine/threonine-protein phosphat     | Ppp1cc        | 26.0956 | 25.7457 | 17 | 36.983 | 323.31 | 292  | 0.73636  | 0.858107 |
| Z4YKV1;P63094;Q  | Guanine nucleotide-binding protei     | Gnas          | 20.8227 | 23.1195 | 13 | 44.178 | 144.16 | 41   | 0.090605 | 0.433339 |
| P63101           | 14-3-3 protein zeta/delta             | Ywhaz         | 31.2344 | 31.3424 | 23 | 27.771 | 323.31 | 1372 | 0.810376 | 0.903729 |
| P63141;P16390    | Potassium voltage-gated channel s     | Kcna2;Kcna3   | 22.5075 | 21.7448 | 7  | 56.7   | 28.304 | 38   | 0.493905 | 0.703639 |
| P63213           | Guanine nucleotide-binding protei     | Gng2          | 25.7231 | 26.6518 | 5  | 7.8501 | 39.68  | 70   | 0.193513 | 0.49205  |
| Q4KL81;P63260;Q  | Actin, cytoplasmic 2;Actin, cytopla   | Actg1         | 30.6208 | 30.7193 | 25 | 41.792 | 323.31 | 704  | 0.81795  | 0.909022 |
| Q3UN66;P63318;Q  | Protein kinase C;Protein kinase C g   | Prkcg         | 28.0668 | 27.2572 | 39 | 78.357 | 323.31 | 746  | 0.408731 | 0.641436 |
| Q9CXY0;P63321    | Ras-related protein Ral-A             | Rala          | 24.2015 | 26.0093 | 8  | 23.596 | 70.284 | 150  | 0.213696 | 0.502061 |
| Q5M9K7;Q3U9P0;   | 40S ribosomal protein S10             | Rps10         | 22.2587 | 22.9741 | 6  | 18.916 | 35.568 | 53   | 0.776495 | 0.881857 |
| P63330           | Serine/threonine-protein phosphat     | Ppp2ca        | 25.9868 | 24.88   | 15 | 35.608 | 323.31 | 292  | 0.148569 | 0.457376 |
| P67778;Q5SQG5;Q  | Prohibitin                            | Phb           | 26.4711 | 27.2032 | 16 | 29.82  | 197.11 | 411  | 0.258512 | 0.532601 |
| Q561N4;P68037;Q  | Ubiquitin-conjugating enzyme E2 L     | Ube2l3        | 22.8209 | 23.77   | 5  | 17.861 | 9.6817 | 21   | 0.150399 | 0.459488 |
| P68040           | Guanine nucleotide-binding protei     | Gnb2l1        | 24.552  | 23.5793 | 16 | 35.076 | 269.22 | 110  | 0.228809 | 0.515703 |
| P68368;A0A0A0M   | Tubulin alpha-4A chain                | Tuba4a        | 27.8879 | 29.4744 | 33 | 49.924 | 323.31 | 904  | 0.020431 | 0.318764 |
| P68369;Q5FW91;P  | Tubulin alpha-1A chain;Tubulin alp    | Tuba1a;Tuba3a | 27.9117 | 29.4212 | 34 | 50.135 | 98.712 | 983  | 0.204932 | 0.498979 |
| P68372;Q9DCR1;Q  | Tubulin beta-4B chain                 | Tubb4b        | 31.8498 | 33.0162 | 32 | 49.83  | 323.31 | 7105 | 0.123907 | 0.439555 |
| Q52L87;P68373    | Tubulin alpha-1C chain                | Tuba1c        | 22.6123 | 27.4568 | 34 | 49.909 | 52.359 | 321  | 0.169544 | 0.473839 |
| P68404           | Protein kinase C beta type            | Prkcb         | 25.7959 | 25.2792 | 27 | 76.75  | 323.31 | 202  | 0.321104 | 0.577197 |
| P68510           | 14-3-3 protein eta                    | Ywhah         | 28.3512 | 28.1275 | 16 | 28.211 | 323.31 | 455  | 0.77818  | 0.883147 |
| Q3TFE8;P70168;Q  | Importin subunit beta-1               | Kpnb1         | 25.8655 | 24.855  | 24 | 97.112 | 323.31 | 156  | 0.068107 | 0.425866 |

|                  |   |         |         |    |        |        |     |          |          |
|------------------|---|---------|---------|----|--------|--------|-----|----------|----------|
| Q5D098;P70195    | Proteasome subunit beta type;Prot Psmb7           | 23.2816 | 23.7191 | 7  | 29.76  | 26.617 | 35  | 0.261239 | 0.53411  |
| Q14BZ3;P70202    | Latexin Lxn                                       | 24.2178 | 24.0639 | 3  | 25.492 | 44.271 | 49  | 0.845528 | 0.919326 |
| P70206;Q3U3W7    | Plexin-A1 Plxna1                                  | 22.2813 | 21.0009 | 12 | 211.1  | 21.907 | 12  | 0.176471 | 0.480659 |
| P70232           | Neural cell adhesion molecule L1-li Chl1          | 22.1327 | 19.7131 | 7  | 135.07 | 46.626 | 13  | 0.011456 | 0.28765  |
| Q5EBQ2;Q3TGC5;P  | Phosphatidylethanolamine-binding Pebp1            | 28.734  | 29.6304 | 11 | 20.83  | 323.31 | 500 | 0.244433 | 0.530816 |
| P70333;Q3UR26    | Heterogeneous nuclear ribonucleo Hnrnph2          | 22.1673 | 21.6278 | 9  | 49.279 | 123.06 | 20  | 0.734692 | 0.858031 |
| P70336;F8VPK5;Q6 | Rho-associated protein kinase 2;Rh Rock2          | 24.7891 | 21.6863 | 30 | 160.58 | 312.56 | 56  | 0.103356 | 0.433662 |
| P70349;B0R1E3    | Histidine triad nucleotide-binding $\gamma$ Hint1 | 25.4361 | 23.953  | 4  | 13.777 | 20.902 | 65  | 0.41849  | 0.65103  |
| Q8BTQ1;Q8BW03;C  | ELAV-like protein;ELAV-like protein Elavl1        | 21.6722 | 20.5672 | 7  | 33.757 | 73.894 | 32  | 0.501306 | 0.707907 |
| Q4FE56;P70398    | Ubiquitin carboxyl-terminal hydroly Usp9x         | 24.4262 | 21.9699 | 32 | 290.21 | 167.31 | 72  | 0.13016  | 0.444091 |
| Q3TKM5;Q3TGZ3;F  | Isocitrate dehydrogenase [NAD] su Idh3g           | 26.9916 | 26.0634 | 14 | 42.314 | 323.31 | 368 | 0.320292 | 0.577675 |
| Q3TG37;P70441;Q  | Na(+)/H(+) exchange regulatory co Slc9a3r1        | 22.4434 | 24.3228 | 14 | 38.6   | 282.46 | 53  | 0.106956 | 0.435134 |
| Q3UYK7;Q3TYD5;P  | SPARC-like protein 1 Sparcl1                      | 21.4429 | 19.471  | 3  | 72.299 | 6.2023 | 10  | 0.021348 | 0.311881 |
| P70670;Q3UK68;Q  | Nascent polypeptide-associated co Naca            | 22.0951 | 20.7957 | 4  | 220.5  | 66.912 | 26  | 0.372311 | 0.608032 |
| Q5DTG0;P70704;A  | Phospholipid-transporting ATPase; Atp8a1          | 25.6722 | 22.9551 | 28 | 134.68 | 292.44 | 139 | 0.227066 | 0.515388 |
| Q3TIJ7;Q3TET0;P8 | T-complex protein 1 subunit eta Cct7              | 25.1812 | 26.1954 | 23 | 59.652 | 323.31 | 162 | 0.085543 | 0.428249 |
| Q542X7;P80314;Q  | T-complex protein 1 subunit beta Cct2             | 25.592  | 27.0145 | 32 | 57.477 | 323.31 | 213 | 0.01707  | 0.315302 |
| Q564F4;Q3UJZ8;Q  | T-complex protein 1 subunit delta Cct4            | 24.6662 | 24.9757 | 20 | 58.066 | 323.31 | 155 | 0.600591 | 0.77772  |
| P80316           | T-complex protein 1 subunit epsilon Cct5          | 25.4697 | 26.3345 | 24 | 59.623 | 323.31 | 188 | 0.056904 | 0.411915 |
| Q52KG9;Q3TW97;C  | T-complex protein 1 subunit zeta Cct6a            | 25.0717 | 26.0076 | 20 | 58.076 | 323.31 | 162 | 0.072422 | 0.420153 |
| Q3U4U6;P80318;E  | T-complex protein 1 subunit gamma Cct3            | 25.3476 | 26.1757 | 28 | 60.629 | 323.31 | 284 | 0.091798 | 0.430087 |
| P84075;E9PV73;A2 | Neuron-specific calcium-binding pr Hpca           | 28.304  | 28.8863 | 13 | 22.427 | 65.99  | 476 | 0.592436 | 0.772137 |
| P84084           | ADP-ribosylation factor 5 Arf5                    | 24.8606 | 24.7396 | 11 | 20.529 | 19.46  | 48  | 0.831599 | 0.915328 |
| P84086           | Complexin-2 Cplx2                                 | 26.3607 | 26.2054 | 5  | 15.394 | 14.825 | 69  | 0.768815 | 0.877475 |
| Q5FWI9;P84091;Q  | AP-2 complex subunit mu Ap2m1                     | 27.0494 | 27.836  | 26 | 49.654 | 323.31 | 539 | 0.14354  | 0.456769 |
| P97300;H3BIX4;Z4 | Neuroplastin Nptn                                 | 26.9776 | 27.1451 | 14 | 44.373 | 242.7  | 308 | 0.384047 | 0.616547 |
| Q4FJX4;P97315    | Cysteine and glycine-rich protein 1 Csrp1         | 26.2753 | 27.2642 | 7  | 20.583 | 58.342 | 108 | 0.037081 | 0.356818 |
| Q564F3;Q3UJU5;Q  | 40S ribosomal protein S3a Rps3a1;Rps3a            | 24.9198 | 24.0544 | 11 | 29.885 | 36.481 | 127 | 0.289563 | 0.546801 |
| Q3U931;Q542W3;C  | Ras GTPase-activating protein-bind G3bp2          | 22.7511 | 23.6277 | 11 | 50.647 | 41.219 | 35  | 0.344908 | 0.590903 |
| P97384;D3Z7U0    | Annexin A11;Annexin Anxa11                        | 20.0698 | 21.4179 | 8  | 54.079 | 51.377 | 24  | 0.218776 | 0.505133 |
| Q3THX4;P97390    | Vacuolar protein sorting-associated Vps45         | 20.4849 | 20.6483 | 8  | 65.038 | 17.495 | 18  | 0.873784 | 0.933624 |
| P97427           | Dihydropyrimidinase-related prote Crmp1           | 21.5179 | 22.005  | 30 | 62.167 | 3.3865 | 12  | 0.808318 | 0.902687 |
| P97492           | Regulator of G-protein signaling 14 Rgs14         | 20.5882 | 22.4873 | 11 | 59.846 | 48.301 | 22  | 0.142026 | 0.454654 |

|  |                                     |              |         |         |        |        |        |          |          |          |
|--|-------------------------------------|--------------|---------|---------|--------|--------|--------|----------|----------|----------|
| Q544A1;Q3TRG5;Q WW domain-binding protein 2          | Wbp2                                | 21.7797      | 22.8886 | 5       | 28.032 | 9.0958 | 17     | 0.439772 | 0.665455 |          |
| P97807   | Fumarate hydratase, mitochondria Fh | 26.3855      | 27.1775 | 22      | 54.356 | 323.31 | 352    | 0.176017 | 0.481054 |          |
| P99024   | Tubulin beta-5 chain                | Tubb5        | 27.9315 | 29.5555 | 29     | 49.67  | 323.31 | 559      | 0.037524 | 0.354716 |
| P99026   | Proteasome subunit beta type-4      | Psmb4        | 22.9906 | 24.6453 | 6      | 29.116 | 24.568 | 61       | 0.183174 | 0.484146 |
| Q3UWS9;Q3U7H9; Peroxiredoxin-5, mitochondrial        | Prdx5                               | 28.0164      | 29.3484 | 11      | 20.713 | 194.63 | 598    | 0.222311 | 0.509633 |          |
| Q543R4;Q00493  | Carboxypeptidase E                  | Cpe          | 22.8617 | 24.7242 | 14     | 53.255 | 323.31 | 68       | 0.065254 | 0.422835 |
| Q790Y8;Q00612;Q Glucose-6-phosphate 1-dehydroge      | G6pdx                               | 20.5634      | 22.2099 | 12      | 59.262 | 18.47  | 13     | 0.200901 | 0.498223 |          |
| Q3V2G1;Q00623;Q Apolipoprotein A-I;Proapolipoprote   | Apoa1                               | 24.9893      | 24.5396 | 11      | 30.684 | 26.581 | 74     | 0.51279  | 0.714704 |          |
| Q00898   | Alpha-1-antitrypsin 1-5             | Serpina1e    | 21.3506 | 20.7376 | 8      | 45.891 | 5.2635 | 8        | 0.101768 | 0.43495  |
| Q00PI9   | Heterogeneous nuclear ribonucleo    | Hnrnpul2     | 22.6578 | 20.8244 | 9      | 84.939 | 97.7   | 33       | 0.151214 | 0.460228 |
| Q6PDS5;Q9DBS6;Q Calcium/calmodulin-dependent 3,5     | Pde1b                               | 19.7674      | 21.1423 | 9       | 52.536 | 18.327 | 20     | 0.267642 | 0.534952 |          |
| Q01853;Q8BNF8  | Transitional endoplasmic reticulum  | Vcp          | 27.5883 | 26.2983 | 40     | 89.321 | 323.31 | 625      | 0.274116 | 0.540496 |
| Q3UZT7;Q02248;E Catenin beta-1                       | Ctnnb1                              | 25.6715      | 24.3078 | 30      | 85.496 | 323.31 | 186    | 0.112803 | 0.43367  |          |
| Q03137;Q99KA8  | Ephrin type-A receptor 4;Receptor   | Epha4        | 23.693  | 21.7442 | 15     | 109.81 | 95.933 | 47       | 0.008221 | 0.259043 |
| Q03265;D3Z6F5  | ATP synthase subunit alpha, mitoc   | Atp5a1       | 30.0723 | 31.24   | 36     | 59.752 | 323.31 | 3130     | 0.056684 | 0.412176 |
| Q04447   | Creatine kinase B-type              | Ckb          | 30.5381 | 30.6595 | 23     | 42.713 | 323.31 | 3296     | 0.803157 | 0.902568 |
| Q497I3;Q05816;Q3 Fatty acid-binding protein, epiderr | Fabp5                               | 24.2929      | 26.3928 | 9       | 15.137 | 31.359 | 80     | 0.204428 | 0.498508 |          |
| Q05DT0;Q3UNK1;C Gamma-adducin                        | Add3                                | 24.6006      | 23.9671 | 22      | 75.105 | 320.68 | 97     | 0.294179 | 0.551628 |          |
| Q06138;Q8K312  | Calcium-binding protein 39          | Cab39        | 22.222  | 21.3582 | 12     | 39.842 | 20.423 | 48       | 0.280682 | 0.546072 |
| Q5EBI8;Q06185;Q ATP synthase subunit e, mitochonc    | Atp5k;Atp5i                         | 26.9263      | 27.6753 | 6       | 8.2364 | 53.057 | 234    | 0.456567 | 0.676849 |          |
| Q549A5;Q06890;E Clusterin;Clusterin;Clusterin beta c | Clu                                 | 23.275       | 23.8608 | 11      | 51.655 | 43.708 | 50     | 0.648327 | 0.802048 |          |
| Q922A2;Q3TJ49;Q Annexin;Annexin A7                   | Anxa7                               | 23.2884      | 24.1697 | 13      | 49.909 | 247.67 | 107    | 0.24694  | 0.531946 |          |
| Q08331;Q8CCS7  | Calretinin                          | Calb2        | 24.5816 | 25.0331 | 11     | 31.372 | 62.971 | 106      | 0.228259 | 0.516638 |
| Q0KL02   | Triple functional domain protein    | Trio         | 23.3319 | 20.3046 | 19     | 347.86 | 221.79 | 35       | 0.05462  | 0.408256 |
| Q0PD15;Q8BHD0  | Ras-related protein Rab-39A         | Rab39;Rab39a | 21.7923 | 19.9538 | 3      | 24.977 | 12.823 | 34       | 0.232538 | 0.518293 |
| Q0PD62;Q9CZT8;A Ras-related protein Rab-3B           | Rab3b                               | 23.4727      | 21.8426 | 5       | 24.757 | 50.084 | 19     | 0.194947 | 0.491805 |          |
| Q0PD66;Q9D1G1;C Ras-related protein Rab-1B           | Rab1b                               | 22.5305      | 20.8064 | 7       | 22.187 | 57.535 | 29     | 0.229136 | 0.514996 |          |
| Q0QEZ4;Q9CQA3;C Succinate dehydrogenase [ubiquin     | Sdhb                                | 25.647       | 25.5176 | 12      | 27.208 | 67.685 | 210    | 0.772356 | 0.879643 |          |
| Q0VB06;Q571F3;Q Adaptin ear-binding coat-associate   | Necap1                              | 24.393       | 23.4869 | 7       | 29.639 | 119.71 | 110    | 0.254163 | 0.52702  |          |
| Q0VE82;Q8BIJ1  | Copine-7                            | Cpne7        | 19.4197 | 20.858  | 6      | 61.89  | 18.403 | 8        | 0.207821 | 0.495502 |
| Q0VF59;Q8BJ42;Q Disks large-associated protein 2     | Dlgap2                              | 20.7778      | 21.0281 | 4       | 119.27 | 9.7564 | 6      | 0.74599  | 0.863693 |          |
| Q11011;E9Q039;F Puromycin-sensitive aminopeptida     | Npepps                              | 26.6014      | 25.1598 | 41      | 103.32 | 323.31 | 318    | 0.122661 | 0.439013 |          |
| Q14BB9   | MAP6 domain-containing protein 1    | Map6d1       | 21.6157 | 22.8884 | 3      | 20.432 | 17.021 | 22       | 0.421038 | 0.652467 |

|  |  |         |         |    |        |        |     |          |          |
|--|--|---------|---------|----|--------|--------|-----|----------|----------|
| Q14BH8;E9Q1X8;O Voltage-dependent calcium channel    | Cacna2d1                                   | 25.0203 | 20.9373 | 19 | 122.7  | 294.44 | 79  | 0.010558 | 0.282783 |
| Q14C38;Q8CCT4  | Transcription elongation factor A p Tceal5 | 24.3287 | 24.3024 | 7  | 22.038 | 19.768 | 67  | 0.950889 | 0.970209 |
| Q9D6G1;Q544Z3;Q Heterogeneous nuclear ribonucleo     | Hnrnpab                                    | 23.2257 | 21.7539 | 8  | 29.922 | 16.747 | 60  | 0.12983  | 0.444855 |
| Q2M3X8;B1B1B8  | Phosphatase and actin regulator 1; Phactr1 | 21.5896 | 21.9624 | 6  | 66.285 | 15.581 | 15  | 0.698553 | 0.83277  |
| Q2TBF9;Q9CQV6;J Microtubule-associated proteins 1    | Map1lc3b;Gm5                               | 24.3436 | 24.4827 | 4  | 14.665 | 6.7393 | 41  | 0.897437 | 0.93892  |
| Q2UZW7;Q6PER3; Microtubule-associated protein RP     | Mapre3                                     | 25.0029 | 25.0936 | 17 | 31.966 | 215.57 | 157 | 0.908901 | 0.948444 |
| Q2YDW1;Q3UGC7; Eukaryotic translation initiation fac | Eif3j;Eif3j1;Eif3j                         | 20.8941 | 20.8071 | 4  | 25.276 | 7.0319 | 6   | 0.859123 | 0.925963 |
| Q8C5R8;Q32M04  | Prps11l1                                   | 22.1457 | 21.3196 | 6  | 34.82  | 14.306 | 9   | 0.611779 | 0.781502 |
| Q3KNM9;Q9DCZ4  | Apolipoprotein O Apoo                      | 25.6837 | 21.4413 | 5  | 18.826 | 18.764 | 32  | 0.11168  | 0.434552 |
| Q3ZB62;Q3T1F6  | Mag  | 25.4376 | 23.5612 | 12 | 64.296 | 277.85 | 179 | 0.112247 | 0.433606 |
| Q3TN93;Q3T992;Q Ubiquilin-1                          | Ubqln1                                     | 20.149  | 21.4586 | 6  | 58.678 | 50.008 | 18  | 0.161934 | 0.46888  |
| Q3T9Z2;Q91Z53;D Glyoxylate reductase/hydroxypyru     | Grhpr                                      | 23.6057 | 21.5099 | 12 | 35.328 | 70.131 | 71  | 0.216849 | 0.503578 |
| Q3TA40;Q8R0A7;Q Uncharacterized protein KIAA0513     | 6430548M08Ril                              | 20.2375 | 22.0586 | 8  | 45.218 | 44.737 | 29  | 0.085473 | 0.429237 |
| Q543B9;Q3TCS0;Q Prolyl endopeptidase                 | Prep                                       | 22.6479 | 22.3384 | 11 | 80.751 | 61.658 | 23  | 0.721842 | 0.851064 |
| Q3TD71;Q8K021;Q Secretory carrier-associated memb    | Scamp1                                     | 25.0827 | 22.2358 | 8  | 38.028 | 248.33 | 82  | 0.004469 | 0.211213 |
| Q3TDA7;Q9WVE8; Protein kinase C and casein kinase    | Pacsin2                                    | 19.9242 | 21.1292 | 6  | 55.832 | 39.436 | 9   | 0.497828 | 0.704855 |
| Q3TDD8;Q3UGC0; Eukaryotic translation initiation fac | Eif4b                                      | 22.4672 | 22.0059 | 7  | 68.709 | 98.77  | 19  | 0.675751 | 0.824549 |
| Q3TDK6   | Protein rogdi homolog Rogdi                | 23.5232 | 23.2312 | 11 | 32.1   | 57.399 | 56  | 0.393166 | 0.624943 |
| Q3TDN8;Q8R164  | Valacyclovir hydrolase Bphl                | 22.9654 | 24.8793 | 12 | 33.705 | 42.274 | 93  | 0.228892 | 0.515167 |
| Z4YKA3;Z4YKB8;Q3 Heterochromatin protein 1-binding   | Hp1bp3                                     | 21.9518 | 20.7294 | 7  | 56.824 | 36.853 | 22  | 0.473773 | 0.689632 |
| Q5PPQ7;Q499X7;Q Coronin;Coronin-1C                   | Coro1c                                     | 25.2138 | 25.7268 | 18 | 53.092 | 321.51 | 171 | 0.314266 | 0.574545 |
| Q3UGM1;Q3TEX7; Mitofusin-2                           | Mfn2                                       | 21.6535 | 21.0501 | 10 | 86.259 | 24.474 | 13  | 0.138868 | 0.45543  |
| Q4FK11;Q3UM20; C Non-POU domain-containing octan     | Nono                                       | 23.7494 | 24.8131 | 14 | 54.54  | 206.3  | 65  | 0.128426 | 0.444786 |
| Q3TF84;Q922Q8  | Leucine-rich repeat-containing pro Lrrc59  | 21.6076 | 20.7049 | 3  | 20.408 | 14.021 | 32  | 0.316803 | 0.575257 |
| Q3TMC5;Q3TF87;C Aspartate--tRNA ligase, cytoplasmic  | Dars                                       | 23.7317 | 24.7565 | 22 | 57.181 | 166.84 | 91  | 0.013094 | 0.296355 |
| Q3TG12;Q9CZU5;Q Phenylalanine--tRNA ligase beta su   | Farsb                                      | 22.6088 | 22.9525 | 9  | 65.565 | 38.296 | 40  | 0.559939 | 0.747981 |
| Q6PAC1;Q3UCW8; Gelsolin                              | Gsn  | 23.0305 | 21.5018 | 10 | 80.762 | 34.898 | 25  | 0.189361 | 0.486885 |
| Q80ZZ0;Q3TGS1;Q EH domain-containing protein 1       | Ehd1                                       | 21.4935 | 22.5451 | 23 | 60.602 | 29.013 | 21  | 0.289501 | 0.547327 |
| Q3TGS9;V9GWV1; ADP-ribosylation factor GTPase-act    | Arfgap1                                    | 21.0827 | 21.5553 | 6  | 43.183 | 27.49  | 33  | 0.464915 | 0.682923 |
| Q3ULF7;Q3TWJ4;Q Actin-related protein 3              | Actr3                                      | 26.457  | 27.0374 | 22 | 47.357 | 323.31 | 428 | 0.425204 | 0.655132 |
| Q3TH64;Q9CQX2;C Cytochrome b5 type B                 | Cyb5b                                      | 25.9974 | 25.8708 | 6  | 16.246 | 123.17 | 101 | 0.769134 | 0.877216 |
| Q3THA6;Q8BL97  | Serine/arginine-rich splicing factor Srsf7 | 22.6726 | 22.3573 | 7  | 27.377 | 26.834 | 37  | 0.717864 | 0.847618 |
| Q3THB3;Q570Z0;Q Heterogeneous nuclear ribonucleo     | Hnrnpm                                     | 23.2351 | 23.1348 | 13 | 73.74  | 61.054 | 39  | 0.870707 | 0.93344  |

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|--|---------|---------|----|--------|--------|------|----------|----------|
| Q3THC1;Q3ULI3;Q626S proteasome non-ATPase regul; Psm d9          | 22.3176 | 22.0274 | 5  | 24.692 | 9.8711 | 20   | 0.832075 | 0.913975 |
| Q6ZWO9;Q3THE2;(Myosin regulatory light chain 12B;I Myl12a;Myl12b | 23.6978 | 24.0003 | 4  | 19.895 | 14.387 | 27   | 0.725953 | 0.854657 |
| Q3THH1;Q922R8;Q Protein disulfide-isomerase A6 Pdia6             | 21.8063 | 23.0912 | 9  | 48.657 | 218.96 | 45   | 0.083834 | 0.433186 |
| Q8BU29;Q6NXZ0;C Dipeptidyl peptidase 3 Dpp3                      | 22.4536 | 22.4396 | 14 | 82.882 | 34.968 | 24   | 0.980878 | 0.986402 |
| Q3THQ5;Q60864 Stress-induced-phosphoprotein 1 Stip1              | 25.4058 | 26.8025 | 28 | 62.5   | 323.31 | 272  | 0.117174 | 0.435877 |
| Q3THU8;Q8VEM8;(Phosphate carrier protein, mitochc Slc25a3        | 27.4436 | 26.5253 | 16 | 39.613 | 323.31 | 433  | 0.321089 | 0.577817 |
| Q3TXV1;Q3TKV1;Q 26S proteasome non-ATPase regul; Psm d2;Gm5422   | 24.582  | 23.2916 | 23 | 100.14 | 153.29 | 73   | 0.071246 | 0.422482 |
| Q6NZD2;Q3U4S1;C Sorting nexin-1 Snx1                             | 22.2437 | 23.1606 | 13 | 58.878 | 145.71 | 32   | 0.165638 | 0.47195  |
| Q3TIC8;Q9CZ13;Q3 Cytochrome b-c1 complex subunit Uqcrc1          | 27.2726 | 28.1288 | 21 | 52.752 | 323.31 | 660  | 0.070632 | 0.423528 |
| Q3TIU7;Q91VD9;Q NADH-ubiquinone oxidoreductase Ndufs1            | 27.8396 | 27.3254 | 37 | 79.662 | 323.31 | 633  | 0.655745 | 0.809357 |
| Q8C292;Q8C1V4;Q Lysine--tRNA ligase Kars                         | 20.3833 | 20.2192 | 6  | 67.883 | 16.204 | 13   | 0.877457 | 0.933205 |
| Q3TJ01;Q99LF4 tRNA-splicing ligase RtcB homolog Rtcb             | 21.8366 | 23.342  | 15 | 55.253 | 113.71 | 38   | 0.139222 | 0.455661 |
| Q3TMZ1;Q3TJ21;Q Pyrroline-5-carboxylate reductase; Pycr2         | 20.821  | 20.5605 | 7  | 33.659 | 13.487 | 11   | 0.798667 | 0.901305 |
| Q3U3C4;Q3TRJ7;Q Endophilin-A2 Sh3gl1                             | 19.7157 | 22.9319 | 13 | 41.532 | 28.768 | 12   | 0.087175 | 0.431047 |
| Q6GQU1;Q3TJE3;Q Hexokinase;Hexokinase-1 Hk1                      | 29.5315 | 28.306  | 52 | 102.3  | 323.31 | 1467 | 0.102158 | 0.435461 |
| Q3TKM9;Q9CPW4; Actin-related protein 2/3 complex Arpc5           | 24.3012 | 26.7264 | 3  | 16.228 | 24.134 | 102  | 0.08658  | 0.430755 |
| Q5SUR3;Q3TL58;Q S-phase kinase-associated protein Skp1a;Skp1     | 24.2991 | 22.5772 | 3  | 18.672 | 27.054 | 23   | 0.240342 | 0.528357 |
| Q66JT6;Q3TL72;Q8 NEDD8-activating enzyme E1 cataly Uba3          | 20.3475 | 19.6674 | 3  | 49.283 | 8.1131 | 3    | 0.329547 | 0.580047 |
| Q3TL79;Q8BK64 Activator of 90 kDa heat shock pro Ahsa1           | 22.4801 | 22.2882 | 9  | 38.145 | 54.146 | 54   | 0.892778 | 0.937096 |
| Q3TLE2;Q8CIB5;Q3 Fermitin family homolog 2 Fermt2                | 22.4812 | 21.1033 | 4  | 77.8   | 19.339 | 8    | 0.108499 | 0.43265  |
| Q3TMH2 Secernin-3 Scrn3  | 19.6662 | 21.1986 | 4  | 47.661 | 13.271 | 5    | 0.084024 | 0.432776 |
| Q542H2;Q3TN31;Q Proteasome subunit alpha type;Prc Psm a7         | 25.4881 | 25.5457 | 11 | 27.855 | 96.689 | 142  | 0.932467 | 0.961176 |
| Q3TN35;Q8BJU0 Small glutamine-rich tetratricopept Sgta           | 22.5036 | 20.6764 | 8  | 34.194 | 35.837 | 34   | 0.179823 | 0.481626 |
| Q4VAE6;Q3TN61;Q Transforming protein RhoA;Rho-re Rhoa;Rhoc       | 26.534  | 27.4085 | 10 | 21.782 | 82.937 | 245  | 0.275463 | 0.542487 |
| Q3TPD9;Q3U2X5;C Amine oxidase [flavin-containing] A Maoa         | 22.6419 | 22.8498 | 7  | 58.786 | 30.629 | 34   | 0.381823 | 0.616054 |
| Q3U8A5;Q3TPX4;E Exocyst complex component 5 Exoc5                | 20.5746 | 21.0587 | 6  | 81.748 | 11.161 | 8    | 0.024913 | 0.310355 |
| Q3TPZ5;Q99KJ8 Dynactin subunit 2 Dctn2                           | 23.509  | 24.7521 | 18 | 44.116 | 323.31 | 93   | 0.252741 | 0.52816  |
| Q3TQP6;P06801;Q Malic enzyme;NADP-dependent m Me1                | 23.5211 | 23.2996 | 15 | 61.48  | 226.27 | 46   | 0.843018 | 0.919084 |
| Q3TQY2;Q8CBY8 Dynactin subunit 4 Dctn4                           | 19.7122 | 21.5504 | 5  | 52.241 | 35.214 | 13   | 0.064952 | 0.422581 |
| Q3TR90;Q9JMG7 Hepatoma-derived growth factor-r Hdgfrp3           | 23.0089 | 22.6438 | 3  | 19.822 | 5.6338 | 30   | 0.70025  | 0.83294  |
| Q3TRJ1;Q9EQH3;Q Vacuolar protein sorting-associate Vps35         | 26.0251 | 25.3664 | 29 | 91.712 | 323.31 | 237  | 0.259414 | 0.533092 |
| Q3UZI3;Q3TW51;Q Staphylococcal nuclease domain-cc Snd1           | 23.0341 | 21.9192 | 18 | 102.09 | 106.13 | 46   | 0.17605  | 0.480328 |
| Q3TS44;Q9R1P4;A( Proteasome subunit alpha type;Prc Psm a1        | 25.1889 | 25.3296 | 14 | 29.546 | 88.826 | 195  | 0.645019 | 0.80104  |

|  |         |         |    |        |        |     |          |          |
|--|---------|---------|----|--------|--------|-----|----------|----------|
| Q3TSX8;Q80TT4;Q6 Mitochondrial import receptor sub Tomm70a     | 24.9006 | 25.3153 | 21 | 67.571 | 323.31 | 148 | 0.540422 | 0.735981 |
| Q3TT94;Q571J7;Q6 Serine/threonine-protein phosphat Ppp2r2a     | 23.4924 | 25.4604 | 13 | 51.691 | 323.31 | 100 | 0.009714 | 0.283815 |
| Q3UPK6;Q3TUX3;C Proteasome subunit alpha type;Prc Psm5;Gm8394  | 24.6304 | 23.2473 | 7  | 26.411 | 71.727 | 73  | 0.520115 | 0.719299 |
| Q3UYP2;Q3TVT6;Q Prenylcysteine oxidase Pcyox1                  | 21.5259 | 21.2422 | 10 | 56.466 | 45.263 | 19  | 0.836076 | 0.915865 |
| Q3U4M7;Q3TW28; Tripeptidyl-peptidase 2 Tpp2                    | 24.1315 | 21.2641 | 27 | 138.39 | 123.16 | 68  | 0.008207 | 0.26377  |
| Q3TW74;Q922D8;C C-1-tetrahydrofolate synthase, cyto Mthfd1     | 23.3099 | 21.4046 | 18 | 101.17 | 118.35 | 37  | 0.064212 | 0.419466 |
| Q3TWG5;Q8R1Q8 Cytoplasmic dynein 1 light interme Dync1li1      | 23.7399 | 24.6155 | 15 | 56.614 | 270.4  | 94  | 0.185612 | 0.484218 |
| Q3TWT2;Q91VH6 Protein MEMO1 Memo1                              | 20.256  | 20.3777 | 1  | 34.3   | 4.0065 | 4   | 0.755367 | 0.868294 |
| Q5RKP0;Q499X4;Q Synaptic vesicle membrane proteir Vat1         | 22.8701 | 23.7079 | 11 | 42.521 | 109.47 | 42  | 0.134139 | 0.448153 |
| Q8JZN2;Q3U4S7;Q Cold shock domain-containing prot Csde1        | 22.3774 | 21.935  | 8  | 85.652 | 19.238 | 14  | 0.440481 | 0.665275 |
| Q99JZ4;Q3TXJ4;P3 GTP-binding protein SAR1a Sar1a               | 22.858  | 22.9117 | 6  | 22.399 | 14.909 | 30  | 0.969259 | 0.979007 |
| Q3TXS7;Q8BU34;Q 26S proteasome non-ATPase regul: Psm1          | 22.5712 | 21.4687 | 13 | 105.73 | 50.492 | 25  | 0.172876 | 0.477339 |
| Q3UXP2;Q3TXT7;Q RuvB-like 2 Ruvbl2                             | 20.2655 | 21.4435 | 7  | 51.143 | 22.481 | 12  | 0.247694 | 0.530725 |
| Q3UGK7;Q3UQ99;C Neural Wiskott-Aldrich syndrome p Wasl         | 19.7653 | 22.077  | 6  | 44.518 | 22.497 | 12  | 0.001289 | 0.172637 |
| Q3TY06;Q9DC61;Q Mitochondrial-processing peptidas Pmpca        | 19.8593 | 21.9002 | 8  | 57.702 | 21.597 | 13  | 0.024326 | 0.312737 |
| Q3URF1;Q3TY32;Q Synaptopodin Synpo                             | 24.0976 | 23.843  | 15 | 74.016 | 233    | 84  | 0.282617 | 0.547846 |
| Q8C3Z4;Q3TYK4;Q cAMP-dependent protein kinase ty Prkar1a       | 21.6846 | 23.3377 | 7  | 45.526 | 27.959 | 28  | 0.044482 | 0.374258 |
| Q6DFY2;Q3TYL3 Opioid-binding protein/cell adhesic Opcml        | 23.5114 | 25.5773 | 8  | 37.156 | 130.06 | 93  | 0.058595 | 0.411191 |
| Q3TZE2;Q7TQG7;Q Disintegrin and metalloproteinase Adam11       | 20.5562 | 21.695  | 6  | 84.038 | 31.334 | 10  | 0.292322 | 0.550071 |
| Q3U0T9;Q6PHN9 Ras-related protein Rab-35 Rab35                 | 22.8898 | 23.7266 | 5  | 23.025 | 18.941 | 49  | 0.502772 | 0.708732 |
| Q3U0V1 Far upstream element-binding prot Khsrp                 | 23.3436 | 22.6693 | 12 | 76.775 | 131.03 | 36  | 0.374285 | 0.609399 |
| Q3U125;Q9CYH2;D Redox-regulatory protein FAM213/ Fam213a       | 22.4934 | 22.4462 | 9  | 25.682 | 14.488 | 44  | 0.958548 | 0.972466 |
| Q5PPR2;Q3U1G4;C Exocyst complex component 1 Exoc1              | 21.3306 | 19.7364 | 5  | 100.19 | 10.207 | 6   | 0.010832 | 0.285363 |
| Q3U1J4;Q91YC8 DNA damage-binding protein 1 Ddb1                | 24.3091 | 21.4107 | 24 | 126.85 | 181.76 | 84  | 0.06692  | 0.426747 |
| Q3U1V3;Q99MK8;C Beta-adrenergic receptor kinase 1 Adrbk1       | 21.9756 | 20.4922 | 7  | 79.638 | 20.937 | 19  | 0.141403 | 0.453563 |
| Q3U2G2;Q571M2;C Heat shock 70 kDa protein 4 Hspa4              | 26.9875 | 24.296  | 44 | 94.208 | 323.31 | 326 | 0.035524 | 0.359034 |
| Q3U3T6;Q3U335;C Serine/threonine-protein kinase 24 Stk24;Stk26 | 19.6413 | 22.4719 | 6  | 47.954 | 9.1905 | 9   | 0.077228 | 0.425017 |
| Q3U379;Q9QZF2 Glypican-1;Secreted glypican-1 Gpc1              | 23.454  | 21.0429 | 10 | 61.359 | 82.55  | 38  | 0.044739 | 0.374457 |
| Q80X31;Q3UDC9;C Sodium/hydrogen exchanger;Sodiu Slc9a1         | 22.5614 | 20.245  | 5  | 91.499 | 20.102 | 9   | 0.247004 | 0.531373 |
| Q7TPT7;Q790I0;Q3 Valine--tRNA ligase Vars                      | 23.2983 | 21.0381 | 23 | 140.23 | 160.49 | 29  | 0.092123 | 0.430353 |
| Q3U489;Q9WUR9;C Adenylate kinase 4, mitochondrial Ak4          | 25.7886 | 26.3882 | 11 | 25.061 | 43.855 | 192 | 0.444515 | 0.66698  |
| Q8R1S6;Q3U4S9;Q Coatomer subunit delta Arcn1                   | 20.1184 | 21.4894 | 6  | 47.964 | 32.861 | 8   | 0.107821 | 0.434257 |
| Q8R0M2;Q3U548;C UTP--glucose-1-phosphate uridylylt Ugp2        | 23.578  | 24.431  | 11 | 55.497 | 216.64 | 68  | 0.350545 | 0.594225 |

|   |         |         |    |        |        |      |          |          |
|---|---------|---------|----|--------|--------|------|----------|----------|
| Q5XJF6;Q3U561;P5 Ribosomal protein;60S ribosomal p Rpl10a                 | 23.0686 | 22.6977 | 10 | 24.831 | 16.569 | 44   | 0.691575 | 0.831857 |
| Q91VZ1;Q3U5L3;Q Sorting nexin-2 Snx2                                      | 20.4615 | 22.1836 | 10 | 58.452 | 37.978 | 13   | 0.146783 | 0.458911 |
| Q9D066;Q924B0;Q Inositol monophosphatase 1 Impa1                          | 25.3121 | 25.8815 | 14 | 30.395 | 228.45 | 199  | 0.180972 | 0.482293 |
| Q3UCC6;Q3U6C7;C Succinyl-CoA ligase subunit beta;Su Sucla2                | 26.4165 | 26.359  | 27 | 50.796 | 323.31 | 370  | 0.920324 | 0.954784 |
| Q3U6P5;Q9Z204 Heterogeneous nuclear ribonucleo Hnrnpc                     | 23.8512 | 22.3626 | 9  | 36.905 | 60.365 | 80   | 0.318965 | 0.577876 |
| Q3U6U7;Q3UDG2;Tryptophan--tRNA ligase, cytoplasmic Wars                   | 22.7299 | 24.0376 | 14 | 53.64  | 93.933 | 57   | 0.084464 | 0.4309   |
| Q3U7Z6;Q9DBJ1;Q Phosphoglycerate mutase 1 Pgam1                           | 30.3471 | 30.6723 | 20 | 28.832 | 323.31 | 1261 | 0.550878 | 0.746425 |
| Q9D094;Q8VDX8;C Histidine--tRNA ligase, cytoplasmic Hars                  | 21.078  | 21.3039 | 9  | 57.543 | 58.081 | 16   | 0.7996   | 0.901092 |
| Q3UBF4;Q3U8R9;C Thioredoxin-like protein 1 Txnl1                          | 22.9395 | 21.1651 | 9  | 32.328 | 49.469 | 38   | 0.254414 | 0.526859 |
| Q3U8S0;Q9DCR2 AP-3 complex subunit sigma-1 Ap3s1                          | 21.9236 | 21.0632 | 2  | 21.732 | 5.0574 | 9    | 0.145663 | 0.458083 |
| Q8VHM5;Q3UMT8;Q3U8W9;Q99KG1;Q3UZIO;Q3UKV5 Hnrnpr                          | 20.6899 | 20.7554 | 10 | 70.887 | 18.287 | 14   | 0.940622 | 0.965249 |
| Q3UA17;Q791V5;A Mitochondrial carrier homolog 2 Mtch2                     | 25.4355 | 24.5735 | 12 | 33.489 | 128.26 | 210  | 0.151321 | 0.459685 |
| Q3UBP6;Q3UBQ4 Uncharacterized protein Actb                                | 32.9838 | 33.0851 | 25 | 41.768 | 323.31 | 5061 | 0.833722 | 0.914533 |
| Q3UBU9;Q62446 Peptidyl-prolyl cis-trans isomerase; Fkbp3                  | 22.9632 | 24.0986 | 6  | 25.147 | 12.918 | 24   | 0.046297 | 0.381533 |
| Q3UC72;Q3UPA3;C Rab GDP dissociation inhibitor beta Gdi2                  | 26.8374 | 27.8766 | 31 | 57.439 | 323.31 | 502  | 0.116477 | 0.435299 |
| Q3UCF0;Q9R1P0;Q Proteasome subunit alpha type;Prc Pasma4                  | 23.7999 | 24.171  | 11 | 29.452 | 44.613 | 48   | 0.37911  | 0.613525 |
| Q8C2Q8;Q9D9D7;C ATP synthase subunit gamma;ATP Atp5c1                     | 28.1487 | 27.5372 | 14 | 30.255 | 148.62 | 573  | 0.307801 | 0.569201 |
| Q3UD67;Q8BGQ7;C Alanine--tRNA ligase, cytoplasmic Aars                    | 24.8856 | 21.7408 | 24 | 106.88 | 323.31 | 68   | 0.078914 | 0.426985 |
| Q3UDQ7;Q8JZQ2;C AFG3-like protein 2 Afg3l2                                | 21.6212 | 20.7234 | 11 | 88.748 | 17.59  | 14   | 0.140506 | 0.456146 |
| Q3UKF5;Q3UE92;Q Xaa-Pro aminopeptidase 1 Xpnpep1                          | 21.713  | 21.0686 | 9  | 69.59  | 31.912 | 30   | 0.5608   | 0.74851  |
| Q9DC36;Q8CDE0;C Flotillin-2 Flot2   | 22.6433 | 23.3385 | 10 | 47.008 | 85.623 | 46   | 0.17084  | 0.47253  |
| Q3UEW2;Q9WV69 Dematin Dmtn  | 23.3289 | 23.4842 | 10 | 43.069 | 60.283 | 60   | 0.683159 | 0.828556 |
| Q3V331;Q3UG14;P Guanine nucleotide-binding protein Gnb5                   | 23.7661 | 23.5931 | 9  | 38.765 | 90.139 | 66   | 0.840815 | 0.919802 |
| Q3UGC8;Q91ZA3 Propionyl-CoA carboxylase alpha cl Pcca                     | 24.1014 | 23.3147 | 18 | 79.921 | 134.64 | 73   | 0.481408 | 0.695078 |
| Q3UGR5 Haloacid dehalogenase-like hydrolase Hdhd2                         | 22.904  | 24.2961 | 7  | 28.73  | 34.54  | 113  | 0.311678 | 0.573075 |
| Q3UGY7;Q6NS60 F-box only protein 41 Fbxo41                                | 21.1722 | 21.11   | 6  | 94.33  | 12.443 | 7    | 0.805998 | 0.901977 |
| Q3UGY8 Brefeldin A-inhibited guanine nucleotide exchange factor 3 Arfgef3 | 20.959  | 19.8968 | 8  | 240.09 | 20.537 | 6    | 0.210734 | 0.499483 |
| Q3UH19 Microtubule-associated protein Mapt                                | 27.6636 | 27.6443 | 18 | 44.951 | 323.31 | 379  | 0.974947 | 0.982898 |
| Q5SV64;Q3UH59;C Myosin-10 Myh10   | 27.1681 | 24.0733 | 81 | 232.47 | 323.31 | 297  | 0.090011 | 0.434376 |
| Q3UHB1;Q692V2 5-nucleotidase domain-containing protein Nt5dc3             | 24.2143 | 24.9753 | 20 | 63.17  | 323.31 | 92   | 0.121048 | 0.436151 |
| Q3UHD6;A0A0G2JF Sorting nexin-27 Snx27                                    | 20.2293 | 22.513  | 12 | 60.988 | 51.172 | 16   | 0.045209 | 0.376427 |
| Q3UHD9 Arf-GAP with GTPase, ANK repeat domain Agap2                       | 23.9127 | 22.2155 | 15 | 124.51 | 124.2  | 29   | 0.055304 | 0.409556 |
| Q8R0Q6;Q3UHG5;C Tetraspanin;Tetraspanin-7 Tspan7                          | 22.6395 | 19.3686 | 2  | 17.478 | 10.219 | 13   | 0.001471 | 0.131341 |

|                  |                                     |          |         |         |    |        |        |     |          |          |
|------------------|-------------------------------------|----------|---------|---------|----|--------|--------|-----|----------|----------|
| Q3UHQ0           | AP2-associated protein kinase 1     | Aak1     | 25.8758 | 24.0485 | 30 | 103.35 | 323.31 | 172 | 0.010026 | 0.287698 |
| Q3UHK5;Q6ZQ49;C  | Sodium/potassium-transporting AT    | Atp1a2   | 28.7836 | 25.7734 | 60 | 112.22 | 323.31 | 706 | 0.252284 | 0.52858  |
| Q3UHL1;A0A0A6YV  | CaM kinase-like vesicle-associated  | Camkv    | 27.2005 | 27.3748 | 21 | 54.819 | 323.31 | 581 | 0.636254 | 0.794452 |
| Q3UIH7;Q9JHK4;Q9 | Geranylgeranyl transferase type-2   | Rabggta  | 21.1483 | 22.1933 | 12 | 65.058 | 82.914 | 23  | 0.332527 | 0.583374 |
| Q8BSZ8;Q543H0;Q  | Spermidine synthase                 | Srm      | 21.5525 | 21.1305 | 8  | 34.019 | 17.129 | 35  | 0.741933 | 0.862102 |
| Q8BTJ1;Q543K5;Q5 | Phosphoserine aminotransferase      | Psat1    | 23.8229 | 23.6556 | 16 | 40.473 | 101.51 | 144 | 0.895066 | 0.937049 |
| Q3UM45           | Protein phosphatase 1 regulatory s  | Ppp1r7   | 24.4908 | 24.3993 | 21 | 41.291 | 323.31 | 136 | 0.898723 | 0.939654 |
| Q3UMG4           | Uncharacterized protein             | Ina      | 22.7383 | 24.2559 | 19 | 37.277 | 54.689 | 49  | 0.013855 | 0.296865 |
| Q3UMP4;Q9CY58;A  | Plasminogen activator inhibitor 1 R | Serbp1   | 20.4644 | 23.8503 | 10 | 44.005 | 99.864 | 29  | 0.070716 | 0.422454 |
| Q3UMR5           | Calcium uniporter protein, mitochc  | Mcu      | 23.2225 | 21.185  | 6  | 39.681 | 50.341 | 41  | 0.036658 | 0.357025 |
| Q3UNH4           | G protein-regulated inducer of neu  | Gprin1   | 25.4079 | 23.6688 | 23 | 95.495 | 323.31 | 96  | 0.04873  | 0.387669 |
| Q3URS8;Q3UNV7;C  | Myeloid leukemia factor 2           | Mlf2     | 23.4671 | 23.2329 | 6  | 28.154 | 65.96  | 46  | 0.326742 | 0.578275 |
| Q3UPL0;S4R2A9    | Protein transport protein Sec31A    | Sec31a   | 23.5109 | 21.2918 | 15 | 133.57 | 130.4  | 31  | 0.048864 | 0.386819 |
| Q3UQD0;Q9QYA2    | Mitochondrial import receptor sub   | Tomm40   | 20.5234 | 20.8738 | 3  | 30.929 | 37.565 | 8   | 0.718427 | 0.847659 |
| Q3UQM7;Q9Z127;C  | Large neutral amino acids transpor  | Slc7a5   | 21.8265 | 20.8007 | 4  | 55.872 | 10.492 | 10  | 0.285681 | 0.545236 |
| Q3URG1;Q7TQD2    | Tubulin polymerization-promoting    | Tppp     | 27.85   | 28.3409 | 12 | 23.574 | 148.63 | 214 | 0.21731  | 0.50392  |
| Q5M8R9;Q4FJN9;C  | Farnesyl pyrophosphate synthase     | Fdps     | 22.9063 | 22.1605 | 5  | 40.565 | 53.176 | 20  | 0.336783 | 0.586996 |
| Q3USC7;Q8VE33;A  | Ganglioside-induced differentiator  | Gdap1l1  | 23.1411 | 23.2709 | 10 | 41.92  | 151.13 | 72  | 0.871878 | 0.933449 |
| Q3USR5;Q80UW2    | F-box only protein 2                | Fbxo2    | 21.7387 | 20.9215 | 4  | 33.676 | 21.47  | 29  | 0.336818 | 0.586421 |
| Q3UUG6;A0A0J9YL  | TBC1 domain family member 24        | Tbc1d24  | 21.1373 | 21.2198 | 8  | 63.235 | 37.284 | 23  | 0.9434   | 0.966864 |
| Q3UUI3           | Acyl-coenzyme A thioesterase THE    | Them4    | 22.3643 | 21.2053 | 5  | 26.031 | 13.87  | 21  | 0.424152 | 0.655397 |
| Q3UUU4;Q9R1T4    | Septin-6                            | Sept6    | 25.4184 | 26.494  | 21 | 48.786 | 323.31 | 186 | 0.124953 | 0.440349 |
| Q3UVL4           | Vacuolar protein sorting-associater | Vps51    | 21.2478 | 20.3626 | 8  | 86.186 | 22.341 | 16  | 0.205043 | 0.498494 |
| Q3UVN5;Q9CZ44;C  | NSFL1 cofactor p47                  | Nsfl1c   | 23.2101 | 22.5629 | 14 | 40.953 | 106.11 | 64  | 0.601636 | 0.778445 |
| Q3UW40;Q8BP67;C  | 60S ribosomal protein L24           | Rpl24    | 22.8198 | 22.6295 | 5  | 18.252 | 24.163 | 52  | 0.916951 | 0.951899 |
| Q505N7;Q3UW66;C  | Sulfurtransferase;3-mercaptopyruv   | Mpst     | 21.5749 | 20.6491 | 5  | 33.039 | 45.851 | 17  | 0.360506 | 0.600968 |
| Q3UWU7;Q5PR73    | GTP-binding protein Di-Ras2         | Diras2   | 24.106  | 24.6331 | 9  | 22.498 | 55.115 | 100 | 0.12079  | 0.436199 |
| Q5BKQ9;Q3UWW9    | 26S proteasome non-ATPase regul     | Psm11    | 21.7212 | 23.3686 | 16 | 47.436 | 63.063 | 47  | 0.091197 | 0.431039 |
| Q3UXI9;Q9CXI6    | Interleukin enhancer-binding facto  | Ilf2     | 20.4149 | 20.7303 | 6  | 43.01  | 21.015 | 12  | 0.802683 | 0.902667 |
| Q8VC72;Q5M9P5;C  | NADH dehydrogenase [ubiquinone      | Ndufs8   | 23.8876 | 25.545  | 7  | 24.011 | 16.582 | 103 | 0.155848 | 0.468126 |
| Q3UY21;Q80YU5;Q  | Myelin-oligodendrocyte glycoprote   | Mog      | 26.3097 | 27.2723 | 11 | 28.374 | 323.31 | 426 | 0.023358 | 0.315425 |
| Q3UYK8;Q80UJ7;A  | Rab3 GTPase-activating protein cat  | Rab3gap1 | 21.1932 | 20.0235 | 10 | 110.14 | 41.1   | 17  | 0.164132 | 0.472688 |
| Q3UZJ4;Q61151    | Serine/threonine-protein phosphat   | Ppp2r5e  | 21.1007 | 20.5709 | 9  | 50.83  | 21.884 | 14  | 0.700556 | 0.832687 |

|   |                |         |         |    |        |        |      |          |          |
|---|----------------|---------|---------|----|--------|--------|------|----------|----------|
| Q921Z9;Q3V100;Q Mannose-6-phosphate isomerase         | Mpi            | 19.2355 | 21.5463 | 4  | 46.513 | 16.399 | 11   | 0.006182 | 0.225782 |
| Q3V117;Q3TED3;Q ATP-citrate synthase                  | Acly           | 25.6634 | 22.8444 | 34 | 120.79 | 323.31 | 143  | 0.009391 | 0.279459 |
| Q3V156;Q91XL9;Q Oxysterol-binding protein;Oxysterc    | Osbpl1a        | 20.4322 | 22.0685 | 7  | 63.433 | 61.822 | 17   | 0.186263 | 0.484344 |
| Q564E5;Q3V244;Q Eukaryotic translation initiation fac | Eif4h;mKIAA003 | 23.0149 | 23.5256 | 9  | 27.341 | 37.525 | 37   | 0.633356 | 0.794538 |
| Q3V386;Q8VHI6 Wiskott-Aldrich syndrome protein        | Wasf3          | 21.7336 | 22.3295 | 8  | 55.217 | 26.278 | 20   | 0.215523 | 0.503408 |
| Q3V3R1 Monofunctional C1-tetrahydrofolate             | Mthfd1l        | 21.9957 | 21.5747 | 11 | 105.73 | 25.622 | 15   | 0.821382 | 0.910318 |
| Q3V3U0;Q8CI94;Q Alpha-1,4 glucan phosphorylase;Gl     | Pygb           | 28.0659 | 27.0596 | 54 | 96.715 | 323.31 | 1108 | 0.34518  | 0.59074  |
| Q45VK5;Q45VK6;Q Interleukin enhancer-binding facto    | Ilf3           | 21.1671 | 19.6184 | 7  | 76.347 | 23.366 | 9    | 0.102874 | 0.433907 |
| Q4FJL2;Q8K0T0 Reticulon;Reticulon-1                   | Rtn1           | 27.713  | 27.9355 | 16 | 83.571 | 323.31 | 378  | 0.422712 | 0.6538   |
| Q4FJR4;Q922H2;Q [Pyruvate dehydrogenase (acetyl-ti    | Pdk3           | 20.4283 | 22.307  | 9  | 47.922 | 24.175 | 19   | 0.417168 | 0.650231 |
| Q4FJT0;Q5BL18;Q3 Matrin-3                             | Matr3          | 25.9342 | 23.4443 | 27 | 94.643 | 323.31 | 164  | 0.038624 | 0.360864 |
| Q4FK36;Q9R0P5 Dextrin                                 | Dstn           | 26.5063 | 27.3798 | 10 | 18.521 | 78.237 | 223  | 0.444321 | 0.667937 |
| Q4FK49;Q9D819;Q Inorganic pyrophosphatase             | Ppa1           | 23.3145 | 23.2855 | 11 | 32.667 | 123.56 | 94   | 0.984961 | 0.98927  |
| Q9DCZ0;Q9D0J2;Q ATP synthase subunit delta, mitoch    | Atp5d          | 23.2796 | 26.3571 | 2  | 17.558 | 10.036 | 46   | 0.082317 | 0.433718 |
| Q4FZK2;Q9D8N0;Q Elongation factor 1-gamma             | Eef1g          | 25.0919 | 25.2822 | 14 | 50.06  | 240.54 | 147  | 0.848633 | 0.920211 |
| Q4KL76;Q64433;Q 10 kDa heat shock protein, mitoch     | Hspe1;Cpn10-rs | 25.1632 | 25.8803 | 6  | 10.963 | 25.338 | 93   | 0.260329 | 0.53429  |
| Q4KMM3;E9Q0A7 Oxidation resistance protein 1          | Oxr1           | 25.9823 | 24.8453 | 32 | 95.911 | 323.31 | 190  | 0.024011 | 0.311171 |
| Q4V9Z5 Seizure 6-like protein 2                       | Sez6l2         | 22.0553 | 20.1954 | 5  | 97.503 | 6.4659 | 7    | 0.001336 | 0.15341  |
| Q4VA29;Q9CQE8 UPF0568 protein C14orf166 homolog       | 2700060E02Rik  | 20.8729 | 21.9132 | 4  | 28.152 | 20.523 | 13   | 0.385977 | 0.618411 |
| Q4VA32;Q9CQR4 Acyl-coenzyme A thioesterase 13;A       | Acot13         | 25.4153 | 26.2579 | 4  | 15.183 | 81.91  | 68   | 0.358652 | 0.600994 |
| Q4VA93;P20444 Protein kinase C;Protein kinase C a     | Prkca          | 24.3364 | 23.759  | 19 | 76.823 | 116.79 | 71   | 0.271125 | 0.538563 |
| Q4VAE8;Q9CQC7 NADH dehydrogenase [ubiquinone          | Ndufb4         | 26.9514 | 27.0848 | 6  | 15.315 | 66.514 | 186  | 0.822384 | 0.909546 |
| Q561M1;Q4VAI2;Q Low molecular weight phosphotyrc      | Acp1           | 23.1753 | 22.9544 | 2  | 17.922 | 4.827  | 44   | 0.874833 | 0.932884 |
| Q4VBF8;Q8C0T5 Signal-induced proliferation-associ     | Sipa1l1        | 21.9932 | 19.8551 | 8  | 189.01 | 28.933 | 9    | 0.012443 | 0.294062 |
| Q4VBX4;Q9D2M8; Ubiquitin-conjugating enzyme E2 v      | Ube2v2;Ube2v1  | 26.6654 | 27.2185 | 7  | 16.367 | 28.498 | 200  | 0.555731 | 0.747331 |
| Q6ZWZ7;Q6PHZ1;C 60S ribosomal protein L17             | Rpl17          | 21.9148 | 20.2755 | 5  | 21.397 | 12.405 | 24   | 0.239839 | 0.529425 |
| Q50HX4;Q50HX2;C Ras-related protein Rab-14            | Rab14          | 25.7697 | 27.0517 | 15 | 23.897 | 252.83 | 326  | 0.199906 | 0.49729  |
| Q52L50;Q99JI6 Ras-related protein Rap-1b              | Rap1b          | 25.6539 | 26.2627 | 7  | 20.825 | 28.038 | 148  | 0.167863 | 0.474089 |
| Q8R2S3;Q8C550;Q Nucleolar protein 3                   | Nol3           | 19.5118 | 21.4407 | 3  | 24.627 | 4.4225 | 6    | 0.041739 | 0.362567 |
| Q540D7;Q9JII6;Q8 Alcohol dehydrogenase [NADP(+)]      | Akr1a1         | 25.8455 | 24.0736 | 15 | 36.586 | 201.45 | 206  | 0.118526 | 0.436861 |
| Q543N3;Q61792;A LIM and SH3 domain protein 1          | Lasp1          | 24.0555 | 22.6702 | 8  | 29.994 | 51.834 | 39   | 0.147624 | 0.456215 |
| Q543N5;Q9QYB1;C Chloride intracellular channel prot   | Clic4          | 22.5881 | 22.1636 | 4  | 28.729 | 5.9349 | 15   | 0.39521  | 0.626334 |
| Q543Y7;Q61644;Q Protein kinase C and casein kinase    | Pacsin1        | 26.6244 | 27.8401 | 23 | 50.575 | 323.31 | 373  | 0.288297 | 0.546982 |

|  |                                     |               |         |         |    |        |        |     |          |          |
|--|-------------------------------------|---------------|---------|---------|----|--------|--------|-----|----------|----------|
| Q544F6;Q9CQJ6                                    | Coactosin-like protein              | Cotl1         | 24.6868 | 26.6585 | 9  | 15.944 | 27.756 | 137 | 0.144889 | 0.45744  |
| Q544I1;Q9QYF9;Qξ                                 | Protein NDRG3                       | Ndr3          | 23.2388 | 24.1219 | 8  | 41.555 | 90.103 | 68  | 0.207307 | 0.496487 |
| Q544M1;Q8K356;C                                  | Lymphocyte antigen 6H               | Ly6h          | 24.3206 | 25.1755 | 4  | 14.669 | 14.956 | 33  | 0.112262 | 0.432628 |
| Q8BUM1;Q544R5;(TAR                               | DNA-binding protein 43              | Tardbp        | 22.7783 | 22.2943 | 8  | 33.634 | 125.94 | 36  | 0.667715 | 0.818473 |
| Q548F2;Q69ZN0;Q                                  | Guanine deaminase                   | Gda           | 26.2755 | 26.8549 | 27 | 51.012 | 323.31 | 351 | 0.507378 | 0.712102 |
| Q54A87;Q9WTT4;EV-type                            | proton ATPase subunit G 2           | Atp6v1g2      | 25.9987 | 26.7315 | 9  | 13.651 | 323.31 | 100 | 0.360465 | 0.601523 |
| Q564E8;Q9D8E6;Q                                  | 60S ribosomal protein L4            | Rpl4          | 23.7047 | 23.9489 | 14 | 47.153 | 134.09 | 69  | 0.744808 | 0.864192 |
| Q570Z5;Q91WG7;(Diacylglycerol                    | kinase;Diacylglycero                | Dgkg          | 21.491  | 20.3254 | 6  | 88.65  | 39.795 | 14  | 0.464809 | 0.683393 |
| Q570Z8;Q7M6Y3;C                                  | Phosphatidylinositol-binding clathr | Picalm        | 20.8682 | 21.5583 | 9  | 72.926 | 46.235 | 11  | 0.589715 | 0.771091 |
| Q58E70;D3Z2H9;Q3TJ53;Q8K0Z5;E9Q5J9               |                                     | Tpm3;Tpm3-rs7 | 27.7179 | 27.4109 | 24 | 29.02  | 309.93 | 428 | 0.381181 | 0.615635 |
| Q5DQR4;B7ZN48;B                                  | Syntaxin-binding protein 5-like     | Stxbp5l       | 23.798  | 21.1033 | 9  | 131.84 | 53.546 | 25  | 0.158923 | 0.468604 |
| Q5DTY9   | BTB/POZ domain-containing protei    | Kctd16        | 19.5929 | 20.7418 | 3  | 48.972 | 12.699 | 6   | 0.110348 | 0.433567 |
| Q5EBJ4   | Ermin                               | Ernm          | 21.6188 | 20.5171 | 5  | 32.148 | 12.79  | 13  | 0.378605 | 0.613943 |
| Q5EBP9;Q62318;Q                                  | Transcription intermediary factor 1 | Trim28        | 23.6526 | 22.4622 | 12 | 88.846 | 30.465 | 65  | 0.338775 | 0.587284 |
| Q5EBQ0;Q3TX38;Q                                  | Voltage-dependent anion-selective   | Vdac3         | 26.1343 | 26.44   | 10 | 30.884 | 283.02 | 306 | 0.006084 | 0.227385 |
| Q5F258;Q68FF6                                    | ARF GTPase-activating protein GIT1  | Git1          | 24.1271 | 23.3347 | 20 | 84.194 | 126.54 | 61  | 0.285392 | 0.545982 |
| Q5I0W0;Q9CQQ7;(ATP synthase F(0)                 | complex subunit                     | Atp5f1        | 27.6108 | 27.5843 | 16 | 28.948 | 137.92 | 344 | 0.953246 | 0.969536 |
| Q5ICG5;Q8R1X1;Q!                                 | Long-chain-fatty-acid--CoA ligase 6 | Acsl6         | 24.5173 | 24.1811 | 19 | 77.969 | 100.32 | 108 | 0.595996 | 0.773639 |
| Q5J7N1;Q3U2W7;(GTPase KRas;GTPase                | KRas, N-termi                       | Kras          | 22.786  | 23.6585 | 5  | 21.482 | 17.316 | 39  | 0.629042 | 0.792839 |
| Q5J8K6;Q5J8K8;Q6                                 | ERC protein 2                       | Erc2          | 24.2464 | 22.7643 | 23 | 110.64 | 135.98 | 64  | 0.177314 | 0.480512 |
| Q5M8N0;Q9CW19;CB1                                | cannabinoid receptor-interacti      | Cnrip1        | 23.9641 | 26.4617 | 6  | 18.612 | 41.113 | 124 | 0.094648 | 0.430876 |
| Q5M8N4   | Epimerase family protein SDR39U1    | Sdr39u1       | 20.2573 | 21.0145 | 3  | 32.994 | 3.782  | 9   | 0.120303 | 0.43739  |
| Q5M9P3;Q9CZX8;L                                  | 40S ribosomal protein S19           | Rps19         | 24.1233 | 26.0206 | 9  | 16.661 | 26.607 | 83  | 0.065745 | 0.422606 |
| Q5NCJ9;Q8R1I1                                    | Cytochrome b-c1 complex subunit     | Uqcr10        | 22.8973 | 22.9098 | 3  | 7.4454 | 49.293 | 51  | 0.992386 | 0.994242 |
| Q5ND51;Q64010;C                                  | Adapter molecule crk                | Crk           | 23.3442 | 23.243  | 12 | 33.814 | 68.642 | 59  | 0.903981 | 0.943923 |
| Q5RJV4;Q7TNU0;Q                                  | Phosphoglucomutase-1                | Pgm2;Pgm1     | 24.8352 | 25.4694 | 21 | 61.383 | 323.31 | 137 | 0.224358 | 0.511409 |
| Q5RKP4;Q8BMR3;(Dolichyl-diphosphooligosaccharide |                                     | Rpn1          | 23.2098 | 22.7317 | 12 | 68.396 | 96.762 | 40  | 0.013916 | 0.294246 |
| Q5U438;Q5SQB7;C                                  | Nucleophosmin                       | Npm1;Gm5611   | 23.6498 | 22.6921 | 7  | 32.588 | 53.211 | 33  | 0.187049 | 0.484039 |
| Q5SQX6;F6QD74                                    | Cytoplasmic FMR1-interacting prot   | Cyfip2        | 27.4804 | 23.8728 | 51 | 145.66 | 323.31 | 421 | 0.058289 | 0.410835 |
| Q5SRA0;Q9R1V7                                    | Disintegrin and metalloproteinase   | Adam23        | 22.4803 | 22.2219 | 7  | 93.042 | 27.244 | 19  | 0.681629 | 0.827324 |
| Q5SRX1;Q5SXA5;Q                                  | TOM1-like protein 2                 | Tom1l2        | 23.3089 | 24.6198 | 13 | 55.662 | 176.03 | 78  | 0.117699 | 0.43581  |
| Q5SSM3;F6T1Y2                                    | Rho GTPase-activating protein 44    | Arhgap44      | 21.1676 | 19.6422 | 4  | 88.993 | 32.27  | 8   | 0.285235 | 0.546984 |
| Q5SURO   | Phosphoribosylformylglycinamidi     | Pfas          | 22.3831 | 21.1252 | 9  | 144.63 | 36.358 | 14  | 0.021662 | 0.313607 |

|  |         |         |     |        |        |      |          |          |
|--|---------|---------|-----|--------|--------|------|----------|----------|
| Q5SWR1;Q9DBG3;IAP complex subunit beta;AP-2 com Ap2b1                      | 28.8297 | 27.6153 | 53  | 105.72 | 323.31 | 1022 | 0.107483 | 0.435075 |
| Q8BK37;Q5SWZ0;C Phosphoribosyl pyrophosphate syn Prpsap2                   | 22.7916 | 22.6443 | 10  | 40.92  | 50.642 | 53   | 0.873263 | 0.933689 |
| Q5SX53;Q9CR62;Q Mitochondrial 2-oxoglutarate/mal Slc25a11                  | 25.8477 | 25.3831 | 15  | 34.155 | 323.31 | 307  | 0.157012 | 0.468993 |
| Q5SXR6;Q68FD5;Q Clathrin heavy chain;Clathrin heavy Cltc;mKIAA0034         | 31.341  | 28.4739 | 107 | 191.98 | 323.31 | 4106 | 0.078699 | 0.427262 |
| Q5SYD0;B2RWZ2;C Unconventional myosin-Id Myo1d                             | 20.7558 | 19.9841 | 5   | 116.08 | 10.38  | 6    | 0.442531 | 0.667118 |
| Q5U3K5 Rab-like protein 6 Rab16  | 21.6752 | 20.3315 | 5   | 79.83  | 5.3163 | 7    | 0.003869 | 0.214401 |
| Q5U458;E9Q8B3 DnaJ homolog subfamily C member Dnajc11                      | 21.434  | 20.3726 | 4   | 63.232 | 9.3357 | 7    | 0.228773 | 0.516345 |
| Q5XK33;Q9CZB0;F Succinate dehydrogenase cytochrome Sdhc                    | 22.6526 | 21.0327 | 3   | 18.381 | 9.8502 | 24   | 0.057499 | 0.412502 |
| Q60597;Z4YJV4 2-oxoglutarate dehydrogenase, mitochondrial Ogdh             | 27.4542 | 25.3495 | 49  | 116.45 | 323.31 | 411  | 0.076263 | 0.422602 |
| Q921L6;Q8BNA5;Q Src substrate cortactin Cttn                               | 24.6803 | 25.2337 | 16  | 57.086 | 248.61 | 95   | 0.520755 | 0.718946 |
| Q642K0;Q60605;Q Myosin light polypeptide 6 Myl6                            | 24.7619 | 26.0552 | 5   | 16.961 | 11.602 | 51   | 0.092332 | 0.428837 |
| Q60625 Intercellular adhesion molecule 5 Icam5                             | 25.9845 | 23.2799 | 16  | 96.944 | 247.35 | 148  | 0.266618 | 0.534233 |
| Q60668;F6ZV59;G Heterogeneous nuclear ribonucleoprotein Hnrnpd             | 24.7717 | 24.6615 | 11  | 38.354 | 104.42 | 151  | 0.631894 | 0.793944 |
| Q60676;F7BX26 Serine/threonine-protein phosphatase Ppp5c                   | 22.6524 | 23.6886 | 12  | 56.876 | 103.11 | 44   | 0.104938 | 0.433512 |
| Q60692 Proteasome subunit beta type-6 Psm6                                 | 24.7568 | 25.3673 | 5   | 25.378 | 27.639 | 73   | 0.14107  | 0.454306 |
| Q61177;Q60737;Q Casein kinase II subunit alpha Csnk2a1                     | 24.8798 | 24.6028 | 14  | 45.179 | 72.162 | 73   | 0.706171 | 0.836886 |
| Q60749 KH domain-containing, RNA-binding protein Khdrbs1                   | 20.953  | 22.3383 | 4   | 48.37  | 58.133 | 14   | 0.068156 | 0.422886 |
| Q60771 Claudin-11 Cldn11   | 24.9742 | 23.9487 | 4   | 22.114 | 56.642 | 51   | 0.636959 | 0.794099 |
| Q60902;A0A1D5RL Epidermal growth factor receptor s Eps15l1                 | 22.684  | 22.0604 | 17  | 99.307 | 119.94 | 39   | 0.373711 | 0.60908  |
| Q60932 Voltage-dependent anion-selective channel Vdac1                     | 29.2654 | 27.911  | 18  | 32.351 | 323.31 | 1373 | 0.261856 | 0.534014 |
| Q60972 Histone-binding protein RBBP4 Rbbp4                                 | 20.8864 | 21.3831 | 7   | 47.655 | 16.05  | 27   | 0.660267 | 0.813689 |
| Q60I30;Q9D892;Q Inosine triphosphate pyrophosphatase Itpa                  | 23.1392 | 21.8707 | 5   | 21.897 | 22.159 | 25   | 0.378463 | 0.614333 |
| Q61081 Hsp90 co-chaperone Cdc37;Hsp90 Cdc37                                | 20.5477 | 22.0024 | 9   | 44.593 | 42.658 | 20   | 0.420347 | 0.652025 |
| Q61171;Q5M9N9;I Peroxiredoxin-2 Prdx2                                      | 27.8251 | 28.9564 | 12  | 21.778 | 162.53 | 542  | 0.229483 | 0.514337 |
| Q61206;Q8BTA2 Platelet-activating factor acetylhydrolase Pafah1b2          | 23.1631 | 25.3057 | 5   | 25.581 | 17.447 | 151  | 0.254121 | 0.527614 |
| Q61361 Brevican core protein Bcan  | 22.3029 | 20.753  | 5   | 95.814 | 8.1324 | 19   | 0.022612 | 0.310571 |
| Q61411;Q9R0B8 GTPase HRas;GTPase HRas, N-term Hras                         | 25.4989 | 26.0185 | 5   | 21.298 | 19.896 | 84   | 0.192846 | 0.491909 |
| Q61425 Hydroxyacyl-coenzyme A dehydrogenase Hadh                           | 21.8227 | 20.3877 | 8   | 34.463 | 175.29 | 33   | 0.539768 | 0.736338 |
| Q8BRR9;Q61481;F Calcium/calmodulin-dependent protein kinase 3, delta Pde1a | 22.8532 | 23.665  | 11  | 62.346 | 70.627 | 49   | 0.065323 | 0.42158  |
| Q61548;Q3UI39;E9 Clathrin coat assembly protein AP1 Snap91                 | 28.2265 | 26.2768 | 23  | 91.85  | 323.31 | 553  | 0.025893 | 0.312853 |
| Q61553;A0A0G2JD Fascin Fscn1   | 26.0729 | 27.062  | 22  | 54.507 | 323.31 | 264  | 0.066452 | 0.42545  |
| Q61699;E9Q0U7 Heat shock protein 105 kDa Hsph1                             | 25.7558 | 22.6268 | 35  | 96.406 | 323.31 | 161  | 0.004971 | 0.215894 |
| Q61753 D-3-phosphoglycerate dehydrogenase Phgdh                            | 24.6593 | 26.177  | 16  | 56.585 | 323.31 | 179  | 0.039638 | 0.363992 |

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|------------------|---|---------|---------|-----|--------|--------|------|----------|----------|
| Q61768;E9QAK5;Q  | Kinesin-1 heavy chain;Kinesin-like $\zeta$ Kif5b    | 22.0114 | 20.9558 | 19  | 109.55 | 34.058 | 12   | 0.164736 | 0.471051 |
| Q61838           | Alpha-2-macroglobulin;Alpha-2-macroglobulin A2m     | 21.3144 | 19.947  | 10  | 165.85 | 20.221 | 14   | 0.393509 | 0.624254 |
| Q922E1;Q8C1W8;C  | NAD(P) transhydrogenase, mitochondrial Nnt          | 22.3305 | 19.8952 | 7   | 113.88 | 39.167 | 16   | 8.17E-05 | 0.043783 |
| Q62048;D3Z375    | Astrocytic phosphoprotein PEA-15 Pea15;Pea15a       | 23.3537 | 24.5032 | 3   | 15.054 | 29.343 | 32   | 0.679007 | 0.827894 |
| Q8C671;Q62093    | Serine/arginine-rich splicing factor Srsf2          | 23.0727 | 22.095  | 6   | 29     | 34.261 | 31   | 0.367841 | 0.604418 |
| Q62108           | Disks large homolog 4 Dlg4                          | 26.9257 | 25.4737 | 29  | 80.471 | 323.31 | 302  | 0.003812 | 0.2188   |
| Q62261;A0A0A0M1  | Spectrin beta chain, non-erythrocytic Sptbn1        | 30.7419 | 27.3716 | 162 | 274.22 | 323.31 | 3296 | 0.095121 | 0.431805 |
| Q62277;A4FUR8;F6 | Synaptophysin Syp                                   | 27.8924 | 27.3594 | 7   | 34.024 | 110.15 | 291  | 0.252235 | 0.529858 |
| Q62418           | Drebrin-like protein Dbnl                           | 22.9503 | 24.1336 | 16  | 48.699 | 170.65 | 58   | 0.347858 | 0.592169 |
| Q63810           | Calcineurin subunit B type 1 Ppp3r1                 | 24.6005 | 21.6035 | 3   | 19.3   | 12.422 | 19   | 0.164953 | 0.470835 |
| Q63844;D3Z3G6;A1 | Mitogen-activated protein kinase 3 Mapk3            | 23.8867 | 23.6427 | 19  | 43.066 | 211.06 | 70   | 0.818819 | 0.909359 |
| Q91XH5;Q64105;G  | Sepiapterin reductase Spr                           | 24.1415 | 25.173  | 12  | 27.928 | 70.254 | 151  | 0.331524 | 0.582887 |
| Q641P0           | Actin-related protein 3B Actr3b                     | 23.2156 | 23.4642 | 17  | 47.579 | 148.19 | 65   | 0.83592  | 0.916319 |
| Q64332;Q8CE19    | Synapsin-2 Syn2                                     | 29.1155 | 30.4186 | 28  | 63.372 | 323.31 | 1605 | 0.074209 | 0.427435 |
| Q64521;A2AQR0    | Glycerol-3-phosphate dehydrogenase Gpd2             | 27.445  | 27.5268 | 36  | 80.953 | 323.31 | 647  | 0.910225 | 0.947979 |
| Q64727           | Vinculin Vcl  | 22.2402 | 20.7244 | 19  | 116.72 | 117.01 | 29   | 0.027491 | 0.317827 |
| Q66JR8;Q9D0J8    | Parathyrosin Ptms                                   | 23.5506 | 24.5739 | 5   | 23.158 | 13.543 | 35   | 0.345504 | 0.590037 |
| Q68FG2;Q3UGZ4    | Spectrin beta chain Sptbn2                          | 29.3688 | 25.3891 | 127 | 270.92 | 323.31 | 1436 | 0.085327 | 0.431195 |
| Q68FL0;G5E8Y0;G3 | Sodium/calcium exchanger 1 Slc8a1                   | 25.4227 | 22.3778 | 15  | 106.66 | 194.47 | 61   | 0.206877 | 0.497682 |
| Q69ZK9;F6VE93    | Neuroigin-2 Nlgn2                                   | 21.0991 | 20.3154 | 5   | 90.988 | 22.343 | 7    | 0.187134 | 0.483479 |
| Q6A087           | MKIAA0302 protein Sptbn2                            | 24.5195 | 21.2215 | 109 | 222.92 | 323.31 | 37   | 0.0638   | 0.42019  |
| Q6A0A9;Q3V3S0    | Constitutive coactivator of PPAR-gamma FAM120A;Fam1 | 20.8129 | 20.1812 | 5   | 121.64 | 15.836 | 6    | 0.183702 | 0.484745 |
| Q6DI95;Q6P2B1;Q5 | Transportin-3 Tnpo3                                 | 21.0803 | 20.2431 | 5   | 104.2  | 28.536 | 7    | 0.240023 | 0.529105 |
| Q6GQS1;F6X0P2    | Calcium-binding mitochondrial carrier Slc25a23      | 20.6575 | 20.9641 | 7   | 52.496 | 41.917 | 15   | 0.760014 | 0.872387 |
| Q6GR78;Q53ZT3;P1 | Amyloid beta A4 protein;N-APP;Sol App               | 25.7404 | 24.6782 | 16  | 78.442 | 191.77 | 107  | 0.004726 | 0.210967 |
| Q6GT24;Q53ZU7;Q  | Peroxiredoxin-6 Prdx6                               | 27.2525 | 28.7206 | 18  | 24.826 | 323.31 | 781  | 0.221374 | 0.508212 |
| Q6IRU5;Q3TWZ9;Q  | Clathrin light chain B Cltb                         | 25.2313 | 24.7738 | 9   | 25.171 | 38.745 | 114  | 0.610822 | 0.782144 |
| Q6NS52           | Diacylglycerol kinase beta Dgkb                     | 22.3349 | 21.12   | 10  | 90.271 | 34.106 | 18   | 0.207179 | 0.49692  |
| Q6NXW0;Q9WUA6    | RAC-gamma serine/threonine-protein Akt3             | 19.8511 | 21.1887 | 5   | 55.657 | 17.958 | 8    | 0.176938 | 0.480304 |
| Q6NY09;Q8BZ14;Q  | Leucyl-cystinyl aminopeptidase Lnpep                | 21.2948 | 21.0036 | 4   | 67.645 | 6.7878 | 5    | 0.363681 | 0.603132 |
| Q6NZL0           | Protein SOGA3 Soga3                                 | 22.2328 | 21.4552 | 11  | 103.48 | 46.872 | 21   | 0.286419 | 0.545997 |
| Q6P069           | Sorcin Sri  | 23.521  | 24.2424 | 5   | 21.627 | 12.486 | 30   | 0.424256 | 0.654928 |
| Q9D689;Q6P1F5;Q  | Huntingtin-interacting protein 1-re Hip1r           | 21.9478 | 20.2432 | 7   | 119.37 | 17.683 | 11   | 0.113633 | 0.434781 |

|                      |                                       |               |         |         |       |        |        |          |          |          |
|----------------------|---------------------------------------|---------------|---------|---------|-------|--------|--------|----------|----------|----------|
| Q6P1J1;Q3TXY0;Q3TY94 | Crmp1                                 | 27.6832       | 28.1489 | 30      | 74.22 | 323.31 | 812    | 0.437935 | 0.66581  |          |
| Q6P5F9;Q921J0        | Exportin-1                            | Xpo1          | 23.5254 | 22.1108 | 20    | 123.09 | 163.96 | 34       | 0.483076 | 0.694989 |
| Q6P9K8               | Caskin-1                              | Caskin1       | 24.5058 | 22.0452 | 24    | 150.49 | 141.28 | 55       | 0.007167 | 0.239936 |
| Q6P9K9;Q6ZQ56;E      | Neurexin-3                            | Nrxn3;mKIAA07 | 23.5574 | 21.4982 | 18    | 173.43 | 194.08 | 42       | 0.097876 | 0.433297 |
| Q6PB66               | Leucine-rich PPR motif-containing     | Lrpprc        | 23.3471 | 21.6313 | 29    | 156.61 | 168.29 | 58       | 0.118394 | 0.437377 |
| Q6R891               | Neurabin-2                            | Ppp1r9b       | 24.8799 | 22.0781 | 19    | 89.519 | 323.31 | 68       | 0.006268 | 0.223829 |
| Q6S388;Q6S392;Q      | Plectin                               | Plec          | 27.79   | 23.5388 | 153   | 513.75 | 323.31 | 460      | 0.058278 | 0.412565 |
| Q6ZPE2               | Myotubularin-related protein 5        | Sbf1          | 24.9636 | 21.7436 | 29    | 208.69 | 113.55 | 73       | 0.004067 | 0.210809 |
| Q6ZPJ3               | E2/E3 hybrid ubiquitin-protein liga   | Ube2o         | 23.509  | 20.6261 | 20    | 140.83 | 129.1  | 40       | 0.048408 | 0.387022 |
| Q80Y09;Q6ZPS9;Q      | Programmed cell death 6-interacti     | Pdcd6ip       | 23.6508 | 22.9217 | 18    | 96.31  | 208.45 | 36       | 0.291466 | 0.549103 |
| Q7TSZ3;Q6ZPT2;Q      | Leucine--tRNA ligase, cytoplasmic     | Lars          | 21.2482 | 20.4524 | 9     | 134.19 | 33.397 | 11       | 0.417065 | 0.650703 |
| Q6ZPY3;Q8K596        | Sodium/calcium exchanger 2            | Slc8a2        | 26.1107 | 22.337  | 20    | 79.755 | 323.31 | 143      | 0.108963 | 0.432356 |
| Q6ZQ38               | Cullin-associated NEDD8-dissociate    | Cand1         | 27.3371 | 24.5847 | 47    | 136.33 | 323.31 | 361      | 0.010276 | 0.289708 |
| Q6ZQ84;Q9JLV5;E9     | Cullin-3                              | mKIAA0617;Cul | 22.9039 | 22.0051 | 15    | 91.276 | 38.799 | 38       | 0.231827 | 0.518866 |
| Q6ZWN5;F7CJS8;D      | 40S ribosomal protein S9              | Rps9          | 24.2103 | 24.6679 | 10    | 22.591 | 33.371 | 104      | 0.471698 | 0.689735 |
| Q6ZWS7;Q923T9        | Calcium/calmodulin-dependent pro      | Camk2g        | 22.9704 | 21.7658 | 18    | 55.96  | 36.925 | 38       | 0.363836 | 0.602767 |
| Q6ZWW7               | 60S ribosomal protein L35             | Rpl35         | 21.8247 | 20.0049 | 3     | 14.552 | 6.7638 | 23       | 0.344271 | 0.590441 |
| Q6ZWX6;Q9CV24        | Eukaryotic translation initiation fac | Eif2s1        | 21.0363 | 20.894  | 7     | 36.108 | 16.985 | 21       | 0.889049 | 0.935626 |
| Q6ZWZ6;P63323        | 40S ribosomal protein S12             | Rps12         | 24.6441 | 24.9965 | 5     | 14.515 | 8.5602 | 36       | 0.624648 | 0.791024 |
| Q71M36               | Chondroitin sulfate proteoglycan 5    | Cspg5         | 21.1894 | 19.9521 | 4     | 60.405 | 51.963 | 13       | 0.321271 | 0.576851 |
| Q76MZ3;Q8C2E1;C      | Serine/threonine-protein phosphat     | Ppp2r1a       | 27.6627 | 28.6403 | 31    | 65.322 | 323.31 | 581      | 0.07537  | 0.424981 |
| Q78IK2               | Up-regulated during skeletal muscl    | Usmg5         | 24.2354 | 22.8969 | 3     | 6.3814 | 63.665 | 59       | 0.362139 | 0.603064 |
| Q791T5;Q8CEY5        | Mitochondrial carrier homolog 1       | Mtch1         | 21.9463 | 20.645  | 5     | 41.565 | 10.66  | 14       | 0.048161 | 0.38697  |
| Q7TMB8;A0A0U1R       | Cytoplasmic FMR1-interacting prot     | Cyfp1         | 23.7975 | 21.0504 | 29    | 145.24 | 56.911 | 46       | 0.005347 | 0.21482  |
| Q7TMM9;Q99J49        | Tubulin beta-2A chain                 | Tubb2a        | 29.9054 | 31.2735 | 30    | 49.906 | 323.31 | 2144     | 0.086158 | 0.429985 |
| Q8K5D8;Q99PC9;Q      | Serine/threonine-protein phosphat     | Ppp2r5d       | 22.683  | 23.0717 | 14    | 65.312 | 81.439 | 52       | 0.679562 | 0.827315 |
| Q7TPM6               | Fibronectin type III and SPRY doma    | Fsd1          | 20.7911 | 21.4496 | 8     | 55.524 | 23.214 | 11       | 0.566789 | 0.753998 |
| Q7TQI3;D3YWF6;D      | Ubiquitin thioesterase OTUB1          | Otub1         | 25.8451 | 25.052  | 14    | 31.27  | 323.31 | 389      | 0.508319 | 0.712178 |
| Q7TSJ2;A0A140LIT     | Microtubule-associated protein 6      | Map6          | 26.858  | 27.0857 | 51    | 96.449 | 323.31 | 486      | 0.606547 | 0.780402 |
| Q80SW1               | Putative adenosylhomocysteinase       | Ahcyl1        | 26.5614 | 27.138  | 23    | 58.951 | 323.31 | 232      | 0.184437 | 0.483509 |
| Q80T41               | Gamma-aminobutyric acid type B r      | Gabbr2        | 22.6131 | 20.4801 | 7     | 105.67 | 37.32  | 12       | 0.085466 | 0.430546 |
| Q80TB8;Q8BL94        | Synaptic vesicle membrane proteir     | Vat1l         | 20.3321 | 20.9126 | 7     | 45.817 | 29.096 | 15       | 0.494353 | 0.703654 |
| Q80TH1;Q52KF7;A      | Disks large homolog 3                 | Dlg3          | 24.3863 | 22.557  | 20    | 103.83 | 220.12 | 57       | 0.032167 | 0.337855 |

|                   |                                     |                |         |         |    |        |        |      |          |          |
|-------------------|-------------------------------------|----------------|---------|---------|----|--------|--------|------|----------|----------|
| Q80TJ1;K4DI76;J3C | Calcium-dependent secretion activ   | Cadps          | 27.8342 | 24.5802 | 51 | 153.11 | 323.31 | 616  | 0.068311 | 0.420597 |
| Q80TL4;F6SBE4     | Protein KIAA1045                    | Kiaa1045;N281  | 24.679  | 25.4212 | 19 | 45.222 | 323.31 | 137  | 0.436744 | 0.665258 |
| Q80TZ3            | Putative tyrosine-protein phosphat  | Dnajc6         | 26.206  | 24.9292 | 26 | 102.3  | 323.31 | 177  | 0.059308 | 0.412589 |
| Q80U23            | Syntaphilin                         | Snph           | 19.419  | 21.498  | 4  | 53.752 | 8.0041 | 8    | 0.258266 | 0.532776 |
| Q80UE4;Q80UE5;Q   | Band 4.1-like protein 2             | Epb4.1l2;Epb41 | 23.9906 | 21.9038 | 22 | 88.461 | 172.41 | 58   | 0.068153 | 0.424504 |
| Q80VM5;Q5U4C2;I   | Dipeptidyl aminopeptidase-like      | prc Dpp6       | 26.0667 | 23.3461 | 25 | 91.213 | 323.31 | 165  | 0.004992 | 0.211119 |
| Q80VP0            | Tectonin beta-propeller repeat-cor  | Tecpr1         | 20.3517 | 20.4557 | 7  | 130.26 | 16.031 | 12   | 0.891831 | 0.936714 |
| Q80VP1            | Epsin-1                             | Epn1           | 24.107  | 24.511  | 11 | 60.211 | 211.42 | 79   | 0.551025 | 0.745997 |
| Q80W82;Q3TQZ7;C   | Mitogen-activated protein kinase;M  | Mapk10;Mapk8   | 22.2999 | 22.9252 | 13 | 48.487 | 65.799 | 41   | 0.630279 | 0.793154 |
| Q80WG5            | Volume-regulated anion channel s    | Lrrc8a         | 20.1366 | 20.4391 | 2  | 94.118 | 3.274  | 5    | 0.585431 | 0.767363 |
| Q80WM4            | Hyaluronan and proteoglycan link    | Hapln4         | 22.3658 | 21.6098 | 7  | 42.808 | 26.477 | 29   | 0.653514 | 0.807223 |
| Q80X80;Q8CAA2;Q   | C2 domain-containing protein 2-lik  | C2cd2l;mKIAA0  | 21.8066 | 21.203  | 6  | 76.328 | 39.076 | 15   | 0.022574 | 0.312723 |
| Q80XN0            | D-beta-hydroxybutyrate dehydroge    | Bdh1           | 23.7129 | 24.5046 | 12 | 38.299 | 139.1  | 213  | 0.407532 | 0.64018  |
| Q80Z38;A0A1C7ZV   | SH3 and multiple ankyrin repeat     | dc Shank2      | 24.3389 | 21.0803 | 22 | 158.97 | 121.75 | 76   | 0.0017   | 0.136578 |
| Q80ZW2            | Protein THEM6                       | Them6          | 20.3822 | 19.8217 | 2  | 23.802 | 7.4367 | 4    | 0.272142 | 0.53925  |
| Q810U3            | Neurofascin                         | Nfasc          | 26.8715 | 23.6127 | 32 | 137.97 | 323.31 | 357  | 0.059803 | 0.414239 |
| Q810U4            | Neuronal cell adhesion molecule     | Nrcam          | 26.1025 | 23.2677 | 26 | 138.52 | 323.31 | 126  | 0.003875 | 0.207573 |
| Q8BFR5            | Elongation factor Tu, mitochondria  | Tufm           | 26.4116 | 26.2751 | 23 | 49.508 | 323.31 | 328  | 0.878705 | 0.932681 |
| Q8BG39            | Synaptic vesicle glycoprotein 2B    | Sv2b           | 26.6053 | 24.3186 | 16 | 77.456 | 323.31 | 222  | 0.121612 | 0.437204 |
| Q8BG51            | Mitochondrial Rho GTPase 1          | Rhot1          | 20.8245 | 20.2659 | 4  | 72.241 | 7.649  | 11   | 0.472044 | 0.688986 |
| Q8BGB7            | Enolase-phosphatase E1              | Enoph1         | 20.6728 | 20.7587 | 3  | 28.6   | 14.643 | 11   | 0.929565 | 0.959417 |
| Q8BGD5;A0A1D5R1   | Carnitine O-palmitoyltransferase 1, | Cpt1c          | 20.8228 | 20.6104 | 5  | 90.029 | 46.74  | 11   | 0.729814 | 0.854818 |
| Q8BGH2            | Sorting and assembly machinery      | cc Samm50      | 21.3747 | 23.9238 | 12 | 51.863 | 105.36 | 52   | 0.054715 | 0.40707  |
| Q8BGN8            | Synaptoporin                        | Synpr          | 22.4864 | 22.0492 | 3  | 29.228 | 17.445 | 62   | 0.57063  | 0.755356 |
| Q8BGT8;F7D3N3;F1  | Phytanoyl-CoA hydroxylase-interac   | Phyhipl        | 23.3541 | 23.9587 | 15 | 42.34  | 95.482 | 70   | 0.489924 | 0.700451 |
| Q8BH44;G3UW48     | Coronin-2B;Coronin                  | Coro2b         | 23.7087 | 24.4871 | 17 | 54.936 | 145.45 | 63   | 0.288295 | 0.547624 |
| Q8BH59            | Calcium-binding mitochondrial carr  | Slc25a12       | 27.5822 | 27.8965 | 37 | 74.569 | 323.31 | 1013 | 0.393251 | 0.624461 |
| Q8BH66;Q6PGE9     | Atlastin-1                          | Atl1           | 23.8433 | 24.0032 | 15 | 63.377 | 108.16 | 70   | 0.68964  | 0.831396 |
| Q8BH80;Q9QY76;C   | Vesicle-associated membrane prot    | Vapb           | 25.3262 | 25.1982 | 9  | 26.918 | 35.722 | 77   | 0.564625 | 0.752366 |
| Q8BH95            | Enoyl-CoA hydratase, mitochondria   | Echs1          | 26.1567 | 25.7481 | 10 | 31.474 | 82.607 | 183  | 0.657917 | 0.811414 |
| Q8BHE3            | Caytaxin                            | Atcay          | 23.9447 | 22.7137 | 9  | 42.178 | 64.792 | 41   | 0.578617 | 0.759671 |
| Q8BHL3            | TBC1 domain family member 10B       | Tbc1d10b       | 22.3121 | 21.0916 | 8  | 87.274 | 29.039 | 24   | 0.001062 | 0.155125 |
| Q8BHL5            | Engulfment and cell motility protei | Elmo2          | 20.0724 | 21.1646 | 7  | 83.886 | 17.109 | 10   | 0.247485 | 0.531697 |

|                  |                                    |          |         |         |    |        |        |     |          |          |
|------------------|------------------------------------|----------|---------|---------|----|--------|--------|-----|----------|----------|
| Q8BHZ0;Q9CWE1    | Protein FAM49A                     | Fam49a   | 21.1623 | 20.5744 | 9  | 37.342 | 32.284 | 16  | 0.520057 | 0.719838 |
| Q8BIJ6;Q8R2M5;E9 | Isoleucine--tRNA ligase, mitochond | Iars2    | 24.3911 | 22.2652 | 25 | 112.8  | 272.26 | 73  | 0.079033 | 0.426195 |
| Q8BJH1           | Zinc finger C2HC domain-containin  | Zc2hc1a  | 22.7044 | 20.8632 | 4  | 35.152 | 7.4656 | 20  | 0.216735 | 0.504041 |
| Q8BJY1           | 26S proteasome non-ATPase regul    | Psmc5    | 22.1743 | 23.687  | 13 | 55.971 | 71.501 | 30  | 0.062585 | 0.419059 |
| Q8BKC5;Q3TT04;Q  | Importin-5                         | Ipo5     | 23.5915 | 20.6712 | 23 | 123.59 | 172.71 | 46  | 0.033547 | 0.347807 |
| Q8BKS6;Q8C167    | Prolyl endopeptidase-like          | Prepl    | 20.6944 | 21.3583 | 8  | 75.909 | 18.948 | 10  | 0.209698 | 0.498498 |
| Q8BKZ9           | Pyruvate dehydrogenase protein X   | Pdhx     | 23.5488 | 24.6685 | 9  | 53.998 | 92.586 | 74  | 0.280177 | 0.546414 |
| Q8BL66;Q05CS7    | Early endosome antigen 1           | Eea1     | 22.5847 | 19.9298 | 13 | 160.91 | 80.587 | 16  | 0.020071 | 0.31935  |
| Q8BLF1           | Neutral cholesterol ester hydrolas | Nceh1    | 22.0879 | 22.3116 | 9  | 45.739 | 33.875 | 25  | 0.727205 | 0.854254 |
| Q8BMF3;Q8BMY6    | NADP-dependent malic enzyme, m     | Me3      | 23.3292 | 24.2794 | 15 | 67.098 | 323.31 | 33  | 0.195685 | 0.492892 |
| Q8BMF4           | Dihydrolipoyllysine-residue acetyl | Dlat     | 26.8547 | 27.798  | 19 | 67.941 | 323.31 | 535 | 0.116269 | 0.435536 |
| Q8BMS1;Q3TB39    | Trifunctional enzyme subunit alpha | Hadha    | 25.3857 | 24.906  | 21 | 82.669 | 323.31 | 125 | 0.648041 | 0.802313 |
| Q8BNW9           | Kelch repeat and BTB domain-cont   | Kbtbd11  | 23.8246 | 22.6587 | 15 | 67.945 | 163.9  | 78  | 0.508112 | 0.71251  |
| Q8BP47           | Asparagine--tRNA ligase, cytoplas  | Nars     | 22.9683 | 22.9033 | 17 | 64.279 | 60.708 | 67  | 0.951916 | 0.970025 |
| Q8BQL7;Q9QZ06;C  | Toll-interacting protein           | Tollip   | 22.8212 | 23.6644 | 5  | 30.344 | 23.883 | 64  | 0.168247 | 0.473508 |
| Q8BR92           | Paralemmin-2                       | Palm2    | 21.4642 | 20.6326 | 2  | 42.095 | 6.7622 | 9   | 0.197783 | 0.495074 |
| Q8BRQ9;Q925N0    | Sideroflexin;Sideroflexin-5        | Sfxn5    | 23.849  | 23.582  | 7  | 32.783 | 57.738 | 56  | 0.360044 | 0.601445 |
| Q8BS79;Q8CE18;Q  | Cadherin-13                        | Cdh13    | 21.5593 | 20.981  | 3  | 31.6   | 17.318 | 14  | 0.625425 | 0.791385 |
| Q8BTG7           | Protein NDRG4                      | Ndr4     | 23.3382 | 23.4879 | 8  | 38.508 | 185.78 | 58  | 0.387548 | 0.619692 |
| Q8BU20;Q9CQH3;I  | NADH dehydrogenase [ubiquinone     | Ndufb5   | 24.0189 | 24.9551 | 7  | 21.738 | 36.534 | 84  | 0.15386  | 0.465638 |
| Q8BU30           | Isoleucine--tRNA ligase, cytoplas  | Iars     | 21.8851 | 20.6124 | 12 | 144.27 | 28.215 | 18  | 0.268531 | 0.536061 |
| Q8BVI4;A0A0G2JG  | Dihydropteridine reductase         | Qdpr     | 26.5864 | 26.8067 | 12 | 25.57  | 217.71 | 297 | 0.697048 | 0.832212 |
| Q8BVQ5           | Protein phosphatase methylestera   | Ppme1    | 22.7057 | 22.4902 | 11 | 42.256 | 88.673 | 40  | 0.843515 | 0.919003 |
| Q8BW75           | Amine oxidase [flavin-containing]  | E Maob   | 20.8994 | 21.0004 | 9  | 58.557 | 45.665 | 14  | 0.944278 | 0.967148 |
| Q8BWM0           | Prostaglandin E synthase 2;Prostag | Ptges2   | 20.8432 | 20.4217 | 3  | 43.323 | 6.5681 | 7   | 0.568885 | 0.754911 |
| Q8BWR2           | PITH domain-containing protein 1   | Pithd1   | 21.0131 | 21.3271 | 3  | 24.192 | 5.1664 | 11  | 0.594897 | 0.773462 |
| Q8BWT1;Q3UKH3    | 3-ketoacyl-CoA thiolase, mitochon  | Acaa2    | 23.6868 | 22.5049 | 11 | 41.829 | 67.249 | 54  | 0.284019 | 0.547921 |
| Q8BXR1;D3YY38    | Probable cationic amino acid trans | Slc7a14  | 23.1854 | 21.3953 | 5  | 83.983 | 90.184 | 22  | 0.10589  | 0.434095 |
| Q8BXZ1           | Protein disulfide-isomerase TMX3   | Tmx3     | 20.4387 | 21.0968 | 3  | 51.847 | 19.893 | 9   | 0.574768 | 0.756472 |
| Q8BYI9           | Tenascin-R                         | Tnr      | 28.1858 | 25.0319 | 33 | 149.59 | 323.31 | 729 | 0.117405 | 0.435727 |
| Q8C052;A0A1D5RL  | Microtubule-associated protein 1S; | Map1s    | 21.9777 | 20.0759 | 5  | 102.94 | 11.732 | 8   | 0.000795 | 0.141901 |
| Q8COC7;E9PWW9;C  | Phenylalanine--tRNA ligase alpha   | s1 Farsa | 21.5983 | 23.3561 | 14 | 57.598 | 211.81 | 31  | 0.131381 | 0.445419 |
| Q8C0E2           | Vacuolar protein sorting-associat  | Vps26b   | 22.8815 | 22.0475 | 10 | 39.124 | 47.631 | 37  | 0.359747 | 0.602201 |

|   |                                       |             |         |         |    |        |        |     |          |          |
|---|---------------------------------------|-------------|---------|---------|----|--------|--------|-----|----------|----------|
| Q8C0M9  | Isoaspartyl peptidase/L-asparagina    | Asrgl1      | 24.2484 | 24.615  | 9  | 33.95  | 37.47  | 74  | 0.486807 | 0.699106 |
| Q8C2C6;Q9D828;Q9Z1A1;B8JJG9;B8JJG7;B8JJG8;B8JJG | Tfg                                   |             | 19.8872 | 20.8118 | 5  | 37.528 | 26.062 | 9   | 0.494924 | 0.703843 |
| Q8C419;Q8C3D0;Q                                 | Probable G-protein coupled recept     | Gpr158      | 21.2462 | 20.6896 | 8  | 134.42 | 14.592 | 14  | 0.397118 | 0.628737 |
| Q8C5H8;Q9CUB4;C                                 | NAD kinase 2, mitochondrial           | Nadk2       | 21.4914 | 20.5804 | 5  | 50.858 | 24.309 | 14  | 0.368707 | 0.603988 |
| Q8C605;Q9WUA3                                   | ATP-dependent 6-phosphofructoki       | Pfcp        | 27.0148 | 26.4271 | 32 | 85.546 | 323.31 | 430 | 0.363032 | 0.603925 |
| Q8C845;Q9D8Y0                                   | EF-hand domain-containing proteir     | Efhd2       | 25.2376 | 24.409  | 13 | 26.8   | 200.03 | 180 | 0.497488 | 0.704993 |
| Q8C854;G8JL68;A7                                | Myelin expression factor 2            | Myef2       | 21.9779 | 23.5567 | 9  | 63.294 | 58.154 | 30  | 0.119322 | 0.435796 |
| Q8C8N2;Q8C4E7;A                                 | Protein SCAI                          | Scai        | 21.072  | 22.0079 | 12 | 70.274 | 102.99 | 33  | 0.554841 | 0.747385 |
| Q8CAA7;I6L9A5                                   | Glucose 1,6-bisphosphate synthase     | Pgm2l1      | 25.3067 | 25.4391 | 22 | 70.279 | 307.63 | 180 | 0.852045 | 0.922045 |
| Q8CAQ8;E9Q800;Q                                 | MICOS complex subunit                 | Mic60       | 26.9525 | 26.7184 | 41 | 83.899 | 323.31 | 377 | 0.674502 | 0.823651 |
| Q8CBE3;Q3UK24;H                                 | WD repeat-containing protein 37       | Wdr37       | 21.5844 | 23.2311 | 10 | 55.045 | 59.179 | 38  | 0.081818 | 0.433931 |
| Q8CC13  | AP complex subunit beta               | Ap1b1       | 25.9817 | 23.6342 | 42 | 105    | 323.31 | 126 | 0.078633 | 0.429807 |
| Q8CCV1;Q8R050;Q                                 | Eukaryotic peptide chain release fa   | Gspt1;Gspt2 | 21.2629 | 20.8637 | 8  | 55.611 | 19.782 | 19  | 0.750044 | 0.865269 |
| Q8CFX3;Q8QZT6                                   | Pcdh1 protein                         | Pcdh1       | 24.6191 | 22.1668 | 15 | 112.41 | 323.31 | 63  | 0.021263 | 0.313486 |
| Q8CG76  | Aflatoxin B1 aldehyde reductase m     | Akr7a2      | 23.1276 | 21.5039 | 9  | 40.612 | 46.305 | 42  | 0.266474 | 0.53528  |
| Q8CGA0  | Protein phosphatase 1F                | Ppm1f       | 21.6781 | 21.0823 | 7  | 49.61  | 62.048 | 11  | 0.442928 | 0.667091 |
| Q8CGC7;B9EIU1                                   | Bifunctional glutamate/proline--tRI   | Eprs        | 23.5586 | 21.7009 | 21 | 170.08 | 69.702 | 35  | 0.039834 | 0.357613 |
| Q8CGF6  | WD repeat-containing protein 47       | Wdr47       | 22.6397 | 20.4553 | 9  | 102.31 | 106.15 | 20  | 0.025179 | 0.308875 |
| Q8CGK3;Q3V2D0                                   | Lon protease homolog, mitochondi      | Lonp1       | 23.2374 | 22.0712 | 18 | 105.84 | 259.81 | 48  | 0.262287 | 0.534215 |
| Q8CGY8  | UDP-N-acetylglucosamine--peptide      | Ogt         | 23.8598 | 21.7085 | 27 | 116.95 | 155.46 | 52  | 0.137992 | 0.455345 |
| Q8CHP8;Q5XK18                                   | Phosphoglycolate phosphatase          | Pgp         | 23.2505 | 21.3279 | 13 | 34.54  | 101.99 | 65  | 0.197833 | 0.494429 |
| Q8CHU3;Q5NCM6;                                  | Epsin-2                               | Epn2        | 19.8649 | 20.4535 | 4  | 63.471 | 6.2485 | 6   | 0.546637 | 0.742558 |
| Q8CIJ3;Q8JZQ9                                   | Eukaryotic translation initiation fac | Eif3b       | 22.6983 | 20.9947 | 13 | 108.98 | 160.53 | 18  | 0.093146 | 0.43013  |
| Q8JZN5  | Acyl-CoA dehydrogenase family mε      | Acad9       | 21.4707 | 22.1022 | 12 | 68.721 | 76.509 | 22  | 0.433439 | 0.662737 |
| Q8JZS0;Q3TUM0                                   | Protein lin-7 homolog A               | Lin7a       | 25.9974 | 25.6285 | 8  | 25.992 | 25.488 | 99  | 0.55986  | 0.748499 |
| Q8K0U4  | Heat shock 70 kDa protein 12A         | Hspa12a     | 27.1392 | 27.1651 | 36 | 74.87  | 323.31 | 443 | 0.938491 | 0.964911 |
| Q8K183;D3Z7R1                                   | Pyridoxal kinase                      | Pdxk        | 26.0597 | 24.9451 | 12 | 35.015 | 253.77 | 199 | 0.289028 | 0.547721 |
| Q8K1M6;Q3U4P3                                   | Dynamin-1-like protein                | Dnm1l       | 26.7779 | 26.0886 | 39 | 82.657 | 323.31 | 410 | 0.51401  | 0.715783 |
| Q8K1Z0;F6SFF5                                   | Ubiquinone biosynthesis protein C     | Coq9        | 23.5902 | 22.938  | 5  | 35.082 | 36.513 | 48  | 0.364579 | 0.603377 |
| Q8K212;Q3TP27;Q                                 | Phosphofurin acidic cluster sorting   | Pacs1       | 23.4682 | 22.1395 | 17 | 104.83 | 85.366 | 60  | 0.157118 | 0.46844  |
| Q8K232;Q9QYC0;F                                 | Alpha-adducin                         | Add1        | 27.5211 | 26.5319 | 29 | 80.623 | 323.31 | 492 | 0.039949 | 0.356655 |
| Q8K274  | Ketosamine-3-kinase                   | Fn3krp      | 22.2999 | 21.2057 | 5  | 34.468 | 27.656 | 16  | 0.243724 | 0.532153 |
| Q8K2B3  | Succinate dehydrogenase [ubiquin      | Sdha        | 26.9385 | 27.0772 | 30 | 72.585 | 323.31 | 345 | 0.774294 | 0.879979 |

|                  |                                       |          |         |         |    |        |        |     |          |          |
|------------------|---------------------------------------|----------|---------|---------|----|--------|--------|-----|----------|----------|
| Q8K2C9           | Very-long-chain (3R)-3-hydroxyacyl    | Hacd3    | 22.2892 | 21.2047 | 5  | 43.131 | 29.07  | 32  | 0.162899 | 0.46998  |
| Q8K354           | Carbonyl reductase [NADPH] 3          | Cbr3     | 22.8593 | 21.8183 | 8  | 30.953 | 50.824 | 29  | 0.430756 | 0.66052  |
| Q8K394           | Inactive phospholipase C-like prote   | Plcl2    | 20.6282 | 19.5039 | 6  | 125.77 | 9.826  | 5   | 0.279906 | 0.546548 |
| Q8K3H0           | DCC-interacting protein 13-alpha      | Appl1    | 23.1029 | 22.745  | 9  | 79.327 | 60.627 | 24  | 0.492583 | 0.703003 |
| Q8K4Z3           | NAD(P)H-hydrate epimerase             | Apoa1bp  | 24.3249 | 22.615  | 6  | 30.972 | 25.48  | 61  | 0.446956 | 0.668769 |
| Q8QZS1;E0CX19    | 3-hydroxyisobutyryl-CoA hydrolase     | Hibch    | 22.8424 | 21.4613 | 10 | 43.037 | 26.568 | 33  | 0.242212 | 0.531741 |
| Q8QZT1;Q3TQP7    | Acetyl-CoA acetyltransferase, mito    | Acat1    | 27.3925 | 26.3113 | 17 | 44.816 | 323.31 | 345 | 0.400799 | 0.633941 |
| Q8QZY1           | Eukaryotic translation initiation fac | Eif3l    | 20.5353 | 20.8108 | 8  | 66.612 | 23.218 | 10  | 0.72953  | 0.855733 |
| Q8R016;E9PY26    | Bleomycin hydrolase                   | Blmh     | 22.1316 | 23.1575 | 9  | 52.511 | 70.058 | 26  | 0.308154 | 0.5692   |
| Q8R071           | Inositol-trisphosphate 3-kinase A     | Itpka    | 24.5028 | 25.615  | 21 | 50.934 | 323.31 | 154 | 0.071647 | 0.420207 |
| Q8ROY6;Q8CIF2    | Cytosolic 10-formyltetrahydrofolat    | Aldh1l1  | 25.0832 | 23.7758 | 27 | 98.708 | 289.37 | 103 | 0.019651 | 0.31579  |
| Q8R191           | Synaptogyrin-3                        | Syngn3   | 25.9888 | 25.8928 | 5  | 24.561 | 60.905 | 113 | 0.80455  | 0.901612 |
| Q8R1B4           | Eukaryotic translation initiation fac | Eif3c    | 21.6981 | 19.8595 | 7  | 105.53 | 49.877 | 11  | 0.110239 | 0.434201 |
| Q8R1S0;D3YW66    | Ubiquinone biosynthesis monooxy       | Coq6     | 20.3172 | 20.6774 | 5  | 51.392 | 6.9277 | 8   | 0.634747 | 0.795041 |
| Q8R2R9           | AP-3 complex subunit mu-2             | Ap3m2    | 21.52   | 22.8525 | 9  | 46.916 | 47.703 | 29  | 0.005749 | 0.225324 |
| Q8R326           | Paraspeckle component 1               | Pspc1    | 21.7819 | 22.9266 | 7  | 58.758 | 47.537 | 23  | 0.050259 | 0.395913 |
| Q8R3P0;V9GXG0;B  | Aspartoacylase                        | Aspa     | 21.9619 | 20.6089 | 6  | 35.344 | 16.491 | 20  | 0.332141 | 0.583335 |
| Q8R464           | Cell adhesion molecule 4              | Cadm4    | 22.0527 | 23.5787 | 8  | 42.723 | 143.16 | 40  | 0.044109 | 0.373072 |
| Q8R4N0           | Citrate lyase subunit beta-like prot  | Clybl    | 21.3949 | 20.2434 | 7  | 37.548 | 18.523 | 12  | 0.197074 | 0.494841 |
| Q8R570;B2FDF6    | Synaptosomal-associated protein 4     | Snap47   | 20.9099 | 22.4218 | 12 | 46.524 | 69.443 | 36  | 0.108071 | 0.433091 |
| Q8R5C5           | Beta-centractin                       | Actr1b   | 23.1296 | 24.6136 | 15 | 42.281 | 282.05 | 49  | 0.022853 | 0.311233 |
| Q8R5H6           | Wiskott-Aldrich syndrome protein      | Wasf1    | 25.2113 | 25.8117 | 14 | 61.508 | 323.31 | 134 | 0.430511 | 0.660774 |
| Q8VBV7;A0A087W   | COP9 signalosome complex subuni       | Cops8    | 23.4142 | 22.284  | 3  | 23.255 | 10.077 | 22  | 0.259291 | 0.533522 |
| Q8VCT3;Q8BMH2;I  | Aminopeptidase B                      | Rnpep    | 22.0162 | 22.4188 | 6  | 72.415 | 323.31 | 24  | 0.484069 | 0.695796 |
| Q8VCW8           | Acyl-CoA synthetase family memb       | Acsf2    | 22.9111 | 23.0826 | 14 | 67.95  | 161.76 | 35  | 0.831946 | 0.914457 |
| Q8VD33;E0CX61    | Small glutamine-rich tetratricopept   | Sgtb     | 20.2538 | 20.5691 | 3  | 33.429 | 5.9681 | 5   | 0.73554  | 0.857774 |
| Q8VD37           | SH3-containing GRB2-like protein 3    | Sgip1    | 24.8054 | 22.6916 | 16 | 86.062 | 314.84 | 72  | 0.000573 | 0.131632 |
| Q8VDD5           | Myosin-9                              | Myh9     | 24.8503 | 21.6701 | 50 | 226.37 | 323.31 | 94  | 0.118775 | 0.436777 |
| Q8VDN2;Q3TXF9;C  | Sodium/potassium-transporting AT      | Atp1a1   | 28.3927 | 26.1734 | 55 | 112.98 | 323.31 | 617 | 0.207538 | 0.4963   |
| Q8VE70;E0CY82;F8 | Programmed cell death protein 10      | Pdcd10   | 21.1486 | 21.0701 | 2  | 24.715 | 13.024 | 22  | 0.951147 | 0.969856 |
| Q8VED9           | Galectin-related protein              | Lgalsl   | 24.05   | 25.1241 | 5  | 18.955 | 24.561 | 82  | 0.392821 | 0.625632 |
| Q8VEH5           | EPM2A-interacting protein 1           | Epm2aip1 | 21.8173 | 22.8981 | 8  | 70.095 | 57.815 | 17  | 0.268869 | 0.53607  |
| Q8VIJ6;Q3TZL2    | Splicing factor, proline- and glutam  | Sfpq     | 25.6661 | 23.413  | 18 | 75.441 | 323.31 | 108 | 0.088317 | 0.431385 |

|   |                   |         |         |    |        |        |     |          |          |
|---|-------------------|---------|---------|----|--------|--------|-----|----------|----------|
| Q91V28;Q9DCD0;C 6-phosphogluconate dehydrogenase                    | Pgd               | 21.5922 | 23.0377 | 11 | 53.261 | 116.61 | 22  | 0.141055 | 0.455172 |
| Q91V55;D3YYM6;D 40S ribosomal protein S5;40S ribosomal protein S5   | Rps5              | 22.2641 | 23.9053 | 8  | 22.876 | 14.501 | 35  | 0.03967  | 0.360165 |
| Q91V61;Q3U4F0 Sideroflexin-3  | Sfxn3             | 26.3978 | 25.5581 | 15 | 35.406 | 323.31 | 319 | 0.342308 | 0.589591 |
| Q91VA7 Isocitrate dehydrogenase [NAD] subunit beta                  | Idh3b             | 27.7624 | 27.0778 | 24 | 42.194 | 323.31 | 563 | 0.451912 | 0.672429 |
| Q91VB8;Q9CY06;Q Hemoglobin subunit alpha                            | haemaglobin alpha | 29.4014 | 30.6589 | 10 | 15.112 | 128.57 | 552 | 0.27881  | 0.545734 |
| Q91VM5;Q9WV02;RNA binding motif protein, X-linked                   | Rbmx1;Rbmx        | 24.0454 | 23.7918 | 11 | 42.161 | 76.894 | 48  | 0.771449 | 0.879233 |
| Q91VM9;D3Z636 Inorganic pyrophosphatase 2, mitochondrial            | Ppa2              | 22.9866 | 21.9441 | 14 | 38.114 | 63.424 | 70  | 0.568496 | 0.755019 |
| Q91VR5;Q3V1Z7;Q ATP-dependent RNA helicase DDX1                     | Ddx1              | 22.4796 | 22.057  | 19 | 82.499 | 93.9   | 41  | 0.753917 | 0.867247 |
| Q91VR8 Protein BRICK1   | Brk1              | 23.7843 | 22.642  | 2  | 8.7608 | 6.1056 | 20  | 0.35286  | 0.594388 |
| Q91VZ6;D3YVX4 Stromal membrane-associated protein                   | Smap1             | 23.1014 | 23.3751 | 5  | 47.66  | 57.902 | 31  | 0.584957 | 0.767368 |
| Q91WD5;D3YXT0 NADH dehydrogenase [ubiquinone]                       | Ndufs2            | 26.0037 | 27.2259 | 19 | 52.625 | 323.31 | 236 | 0.022335 | 0.317627 |
| Q91WS0 CDGSH iron-sulfur domain-containing protein                  | Cisd1             | 27.2418 | 27.9494 | 5  | 12.097 | 120.39 | 296 | 0.511136 | 0.714257 |
| Q91X97;D3YVA2;D Neurocalcin-delta                                   | Ncald             | 23.0666 | 19.4252 | 8  | 22.245 | 9.2659 | 15  | 0.016779 | 0.313526 |
| Q91XF0 Pyridoxine-5-phosphate oxidase                               | Pnp0              | 20.9446 | 21.0377 | 4  | 30.114 | 6.0265 | 12  | 0.926252 | 0.958459 |
| Q91XM9;E9Q2L2;D Disks large homolog 2                               | Dlg2              | 25.5946 | 24.9886 | 31 | 94.879 | 323.31 | 136 | 0.387648 | 0.619236 |
| Q91XU3 Phosphatidylinositol 5-phosphate 4-kinase class C gamma 2    | Pip4k2c           | 21.581  | 22.7081 | 7  | 47.335 | 126.62 | 25  | 0.336314 | 0.588093 |
| Q91XV3 Brain acid soluble protein 1                                 | Basp1             | 29.1753 | 28.1596 | 16 | 22.086 | 323.31 | 363 | 0.336475 | 0.587733 |
| Q91YR1 Twinfilin-1  | Twf1              | 21.373  | 21.5889 | 8  | 40.079 | 78.845 | 26  | 0.848197 | 0.92036  |
| Q91Z31;A0A0G2JG Polypyrimidine tract-binding protein                | Ptbp2             | 20.0738 | 21.6248 | 11 | 57.488 | 122.18 | 23  | 0.352097 | 0.593726 |
| Q91ZP9;Q3B7X9;Q N-terminal EF-hand calcium-binding domain protein   | Necab2            | 21.321  | 20.8107 | 8  | 43.44  | 23.685 | 15  | 0.496852 | 0.704715 |
| S4R1P5;Q91ZU6;E9 Dystonin   | Dst               | 22.4515 | 20.095  | 8  | 870.52 | 17.697 | 6   | 0.036611 | 0.358738 |
| Q91ZZ3 Beta-synuclein   | Sncb              | 26.4855 | 24.0138 | 6  | 14.051 | 157.57 | 108 | 0.375679 | 0.610431 |
| Q920I9;Q05CF1 WD repeat-containing protein 7                        | Wdr7              | 26.737  | 24.0087 | 43 | 163.45 | 323.31 | 268 | 0.089271 | 0.433408 |
| Q920P5;A0A0G2JG Adenylate kinase isoenzyme 5                        | Ak5               | 21.2855 | 23.3338 | 11 | 63.322 | 125.69 | 32  | 0.046788 | 0.383617 |
| Q9CSH0;Q921F4;V9 Heterogeneous nuclear ribonucleoprotein A1         | Hnrnp11           | 21.0637 | 21.934  | 6  | 63.39  | 11.204 | 13  | 0.428044 | 0.658246 |
| Q921G7;Q6PF96 Electron transfer flavoprotein-ubiquinone reductase 1 | Etfhd             | 22.6924 | 22.7598 | 16 | 68.09  | 79.428 | 33  | 0.884537 | 0.933323 |
| Q921I1;E9Q035 Serotransferrin                                       | Tf;Gm20425        | 24.9917 | 23.9069 | 20 | 76.723 | 240.32 | 95  | 0.31952  | 0.57693  |
| Q921M7 Protein FAM49B   | Fam49b            | 24.4356 | 23.1456 | 13 | 36.776 | 125.37 | 167 | 0.432119 | 0.661348 |
| Q921V3;Q9Z1J3 Cysteine desulfurase, mitochondrial                   | Nfs1              | 20.9544 | 21.2806 | 6  | 50.584 | 15.784 | 12  | 0.764155 | 0.875265 |
| Q922Q1 Mitochondrial amidoxime reductase                            | Marc2             | 22.0643 | 20.3458 | 8  | 38.194 | 13.827 | 18  | 0.020713 | 0.311076 |
| Q923G3;A2AMW0;Q3TVK4;Q3TRH8   | Capzb             | 26.6808 | 26.1293 | 19 | 30.628 | 323.31 | 412 | 0.326222 | 0.57991  |
| Q925I1 ATPase family AAA domain-containing protein 3                | Atad3             | 20.9511 | 21.4077 | 9  | 66.741 | 39.289 | 17  | 0.724028 | 0.853015 |
| Q99J08 SEC14-like protein 2   | Sec14l2           | 21.1462 | 22.7585 | 9  | 46.3   | 25.948 | 25  | 0.031403 | 0.332002 |

|                  |   |         |         |    |        |        |      |          |          |
|------------------|---|---------|---------|----|--------|--------|------|----------|----------|
| Q99JI4           | 26S proteasome non-ATPase regul: Psm d6       | 21.5962 | 21.4343 | 13 | 45.536 | 64.445 | 52   | 0.938199 | 0.965228 |
| Q99JP7           | Gamma-glutamyltransferase 7; Gan Ggt7         | 21.7204 | 20.0542 | 7  | 70.251 | 146.08 | 19   | 0.075227 | 0.425665 |
| Q99JR1           | Sideroflexin-1 Sfxn1                          | 23.7774 | 21.1822 | 9  | 35.649 | 88.465 | 47   | 0.021208 | 0.315566 |
| Q99JY0           | Trifunctional enzyme subunit beta, Hadhb      | 23.6491 | 23.7228 | 19 | 51.386 | 115.12 | 85   | 0.947957 | 0.969063 |
| Q99JY8           | Lipid phosphate phosphohydrolase Ppap2b       | 23.0176 | 20.9749 | 3  | 35.216 | 23.625 | 53   | 0.264037 | 0.535066 |
| Q99KI0           | Aconitate hydratase, mitochondria Aco2        | 29.9177 | 29.6389 | 46 | 85.462 | 323.31 | 1659 | 0.492277 | 0.70319  |
| Q99L13;A0ZNJ2    | 3-hydroxyisobutyrate dehydrogenase Hibadh     | 21.8899 | 23.0429 | 8  | 35.44  | 27.424 | 58   | 0.486978 | 0.698727 |
| Q99L43;A2AMQ5;F  | Phosphatidate cytidyltransferase Cds2         | 24.1794 | 21.8486 | 7  | 51.313 | 239.67 | 51   | 0.232188 | 0.51823  |
| Q99LB6           | Methionine adenosyltransferase 2 Mat2b        | 20.1371 | 21.1608 | 4  | 37.392 | 27.829 | 12   | 0.359952 | 0.601917 |
| Q99LC3           | NADH dehydrogenase [ubiquinone Ndufa10        | 25.5467 | 25.2898 | 15 | 40.603 | 323.31 | 294  | 0.814546 | 0.906493 |
| Q99LC5           | Electron transfer flavoprotein subunit Etfa   | 25.0122 | 24.009  | 16 | 35.009 | 274.11 | 165  | 0.478928 | 0.693368 |
| Q99LR1;D6RFU2    | Monoacylglycerol lipase ABHD12 Abhd12         | 21.1823 | 22.793  | 12 | 45.269 | 36.233 | 48   | 0.154449 | 0.464792 |
| Q99LS3;D3Z4T3;A0 | Phosphoserine phosphatase Psph                | 21.9863 | 23.8868 | 3  | 25.096 | 19.397 | 38   | 0.273276 | 0.540166 |
| Q99LY9;B1ARW4    | NADH dehydrogenase [ubiquinone Ndufs5         | 23.7067 | 24.8013 | 4  | 12.648 | 8.5118 | 41   | 0.099344 | 0.435001 |
| Q99M71           | Mammalian ependymin-related protein Epdr1     | 23.4745 | 23.8926 | 7  | 25.485 | 21.717 | 64   | 0.57609  | 0.757591 |
| Q99MN9;A0PJE6;Q  | Propionyl-CoA carboxylase beta chain Pccb     | 22.3311 | 23.6199 | 16 | 58.408 | 104.09 | 32   | 0.108136 | 0.432277 |
| Q99MR8;Q3TVD9    | Methylcrotonoyl-CoA carboxylase Mccc1         | 20.2579 | 21.8096 | 9  | 79.343 | 51.455 | 12   | 0.225263 | 0.512745 |
| Q99NE5;F6TZK4;F6 | Regulating synaptic membrane excitatory Rims1 | 21.4246 | 20.3266 | 10 | 163.16 | 28.438 | 18   | 0.299459 | 0.55698  |
| Q99P72           | Reticulon-4 Rtn4                              | 26.7529 | 25.5393 | 30 | 126.61 | 323.31 | 289  | 0.096214 | 0.431887 |
| Q99PL6           | UBX domain-containing protein 6 Ubxn6         | 21.0763 | 21.6336 | 7  | 49.795 | 73.53  | 15   | 0.727827 | 0.85436  |
| Q99PT1           | Rho GDP-dissociation inhibitor 1 Arhgdia      | 27.4378 | 27.7687 | 10 | 23.407 | 323.31 | 332  | 0.588998 | 0.770781 |
| Q99PU5           | Long-chain-fatty-acid--CoA ligase A Acsbg1    | 23.5439 | 22.364  | 18 | 80.425 | 132.02 | 45   | 0.419162 | 0.651445 |
| Q9CPP6;Q9CX78    | NADH dehydrogenase [ubiquinone Ndufa5         | 24.0974 | 23.3192 | 5  | 13.36  | 12.892 | 26   | 0.619975 | 0.788212 |
| Q9CPQ1           | Cytochrome c oxidase subunit 6C Cox6c         | 27.1364 | 28.1903 | 9  | 8.4689 | 57.988 | 198  | 0.271705 | 0.539049 |
| Q9D037;Q9CQY3;C  | ATP synthase subunit g, mitochondria Atp5l    | 26.5885 | 27.6315 | 3  | 11.364 | 63.674 | 216  | 0.335226 | 0.586828 |
| Q9CPU4           | Microsomal glutathione S-transferase Mgst3    | 21.2097 | 20.3979 | 5  | 16.958 | 119.92 | 19   | 0.511751 | 0.714496 |
| Q9CPV4;E9Q197;F6 | Glyoxalase domain-containing protein Glod4    | 25.3532 | 26.2233 | 17 | 33.316 | 169.4  | 260  | 0.186729 | 0.484771 |
| Q9CPY7           | Cytosol aminopeptidase Lap3                   | 23.313  | 24.4906 | 23 | 56.141 | 215.35 | 97   | 0.108643 | 0.43215  |
| Q9CQ54;A0A0U1R1  | NADH dehydrogenase [ubiquinone Ndufc2         | 24.796  | 24.2169 | 7  | 14.164 | 148.79 | 148  | 0.383301 | 0.616582 |
| Q9CQ60;Q8CBG6;E  | 6-phosphogluconolactonase Pglc                | 22.6738 | 23.8849 | 6  | 27.254 | 13.401 | 51   | 0.039138 | 0.363551 |
| Q9CQ69           | Cytochrome b-c1 complex subunit Uqcrq         | 25.1285 | 27.4162 | 6  | 9.7681 | 36.011 | 164  | 0.086712 | 0.43008  |
| Q9CQ75           | NADH dehydrogenase [ubiquinone Ndufa2         | 24.8005 | 26.1148 | 5  | 10.916 | 42.764 | 91   | 0.252278 | 0.529258 |
| Q9CQB4;Q9D855    | Cytochrome b-c1 complex subunit Uqcrb         | 25.4305 | 25.7597 | 10 | 13.561 | 40.67  | 101  | 0.650217 | 0.803768 |

|                  |                                     |                 |         |         |    |        |        |      |          |          |
|------------------|-------------------------------------|-----------------|---------|---------|----|--------|--------|------|----------|----------|
| Q9CQD1           | Ras-related protein Rab-5A          | Rab5a           | 23.3452 | 22.5017 | 7  | 23.598 | 29.797 | 43   | 0.489698 | 0.700753 |
| Q9CQE1;B1AWZ5    | Protein NipSnap homolog 3B          | Nipsnap3b       | 22.3652 | 22.7244 | 4  | 28.308 | 10.864 | 10   | 0.495745 | 0.704388 |
| Q9CQJ8           | NADH dehydrogenase [ubiquinone      | Ndufb9          | 24.5105 | 25.3871 | 8  | 21.984 | 38.025 | 82   | 0.439007 | 0.665551 |
| Q9CQW1           | Synaptobrevin homolog YKT6          | Ykt6            | 23.4181 | 24.2698 | 10 | 22.314 | 35.511 | 53   | 0.32917  | 0.580654 |
| Q9CQZ5           | NADH dehydrogenase [ubiquinone      | Ndufa6          | 25.1688 | 25.4892 | 5  | 15.283 | 20.685 | 74   | 0.715281 | 0.845189 |
| Q9D6H6;Q9CQZ6    | NADH dehydrogenase [ubiquinone      | Ndufb3          | 22.7442 | 23.3057 | 4  | 11.691 | 8.1871 | 37   | 0.806115 | 0.90148  |
| Q9CR16;Q3UB60    | Peptidyl-prolyl cis-trans isomerase | Ppid            | 24.3675 | 23.9593 | 10 | 40.742 | 31.22  | 95   | 0.345444 | 0.590563 |
| Q9CWK0;Q9CR57;C  | 60S ribosomal protein L14           | Rpl14;Rpl14-ps: | 23.8374 | 21.5418 | 3  | 26.316 | 17.096 | 35   | 0.098138 | 0.432077 |
| Q9CR61           | NADH dehydrogenase [ubiquinone      | Ndufb7          | 24.0982 | 25.8949 | 4  | 16.331 | 12.331 | 69   | 0.110165 | 0.434975 |
| Q9CR68           | Cytochrome b-c1 complex subunit     | Uqcrfs1         | 26.8013 | 27.4197 | 14 | 29.367 | 136.06 | 187  | 0.145996 | 0.458235 |
| Q9CRB6;Q1JPR8    | Tubulin polymerization-promoting    | Tppp3           | 22.1601 | 21.8927 | 2  | 18.965 | 22.263 | 5    | 0.856674 | 0.925184 |
| Q9CRB9;Q91VG6    | MICOS complex subunit Mic19         | Chchd3          | 25.2572 | 24.8491 | 10 | 26.334 | 53.471 | 95   | 0.605896 | 0.780188 |
| Q9CS84;EOCY11    | Neurexin-1                          | Nrxn1           | 23.6858 | 21.6512 | 18 | 166.17 | 109.4  | 54   | 0.099217 | 0.435634 |
| Q9CVB6;Q3UA52;C  | Actin-related protein 2/3 complex   | Arpc2           | 27.7617 | 26.7695 | 23 | 34.357 | 323.31 | 496  | 0.228386 | 0.516198 |
| Q9CWJ9           | Bifunctional purine biosynthesis pr | Atic            | 23.0128 | 23.2943 | 17 | 64.217 | 260.75 | 44   | 0.673251 | 0.822748 |
| Q9CWS0;D3YU15;C  | N(G),N(G)-dimethylarginine dimet    | Ddah1           | 25.6586 | 23.8441 | 20 | 31.381 | 265.03 | 232  | 0.267065 | 0.534462 |
| Q9CX34           | Suppressor of G2 allele of SKP1 hor | Sugt1           | 23.4855 | 21.6127 | 8  | 38.158 | 55.777 | 34   | 0.240223 | 0.528819 |
| Q9CX86           | Heterogeneous nuclear ribonucleo    | Hnrnpa0         | 23.6115 | 21.8389 | 7  | 30.53  | 79.19  | 73   | 0.263247 | 0.534813 |
| Q9CXS4           | Centromere protein V                | Cenpv           | 23.1541 | 22.8536 | 6  | 27.541 | 12.397 | 25   | 0.489245 | 0.700728 |
| Q9CXW3;A0A0A6Y   | Calcyclin-binding protein           | Cacybp          | 23.3779 | 23.3824 | 7  | 26.51  | 87.427 | 27   | 0.987017 | 0.990097 |
| Q9CY27;Q9CWN2;C  | Very-long-chain enoyl-CoA reducta   | Tecr            | 22.5749 | 21.3244 | 7  | 36.09  | 26.953 | 21   | 0.026165 | 0.311464 |
| Q9CYG7           | Mitochondrial import receptor sub   | Tomm34          | 21.2012 | 20.2819 | 8  | 34.278 | 20.012 | 20   | 0.306425 | 0.56731  |
| Q9CYT6;Q8BKZ3;D  | Adenylyl cyclase-associated proteir | Cap2            | 24.6033 | 26.0758 | 21 | 52.861 | 323.31 | 138  | 0.011936 | 0.286276 |
| Q9CZ30;Q3TJF2;Q3 | Obg-like ATPase 1                   | Ola1            | 24.1979 | 25.0765 | 18 | 44.729 | 141.87 | 80   | 0.260577 | 0.533436 |
| Q9CZC8           | Secernin-1                          | Scrn1           | 24.1613 | 25.1183 | 15 | 46.325 | 129.92 | 118  | 0.159548 | 0.469587 |
| Q9CZD3           | Glycine--tRNA ligase                | Gars            | 22.4252 | 22.5819 | 14 | 81.877 | 85.355 | 34   | 0.894648 | 0.937223 |
| Q9CZS1           | Aldehyde dehydrogenase X, mitoc     | Aldh1b1         | 21.1752 | 22.493  | 12 | 57.552 | 102.07 | 24   | 0.026096 | 0.312951 |
| Q9CZU6           | Citrate synthase, mitochondrial     | Cs              | 28.8407 | 29.3796 | 23 | 51.736 | 323.31 | 1069 | 0.250472 | 0.529617 |
| Q9D023           | Mitochondrial pyruvate carrier 2    | Mpc2            | 23.6145 | 22.7058 | 4  | 14.286 | 41.552 | 35   | 0.505983 | 0.711386 |
| Q9D051           | Pyruvate dehydrogenase E1 compc     | Pdhb            | 27.6304 | 26.1652 | 16 | 38.937 | 323.31 | 773  | 0.102773 | 0.43462  |
| Q9D0I9;Q3UAZ3;Q  | Arginine--tRNA ligase, cytoplasmic  | Rars            | 21.1226 | 20.9499 | 8  | 75.673 | 22.597 | 14   | 0.831647 | 0.914755 |
| Q9D0K2;Q3UK61;C  | Succinyl-CoA:3-ketoacid coenzyme    | Oxct1           | 25.7747 | 26.9518 | 17 | 55.988 | 323.31 | 222  | 0.094323 | 0.433077 |
| Q9D0M3           | Cytochrome c1, heme protein, miti   | Cyc1            | 27.1573 | 27.7301 | 9  | 35.327 | 323.31 | 448  | 0.144172 | 0.457875 |

|                  |   |           |         |         |    |        |        |     |          |          |
|------------------|---|-----------|---------|---------|----|--------|--------|-----|----------|----------|
| Q9D0M5;D6RIN4    | Dynein light chain 2, cytoplasmic               | Dynll2    | 26.1115 | 26.9046 | 7  | 10.35  | 72.576 | 195 | 0.238001 | 0.526815 |
| Q9D0R2;Q3U630;C  | Threonine--tRNA ligase, cytoplasmic             | Tars      | 21.8478 | 21.8454 | 10 | 83.355 | 46.95  | 18  | 0.995235 | 0.996475 |
| Q9D172           | ES1 protein homolog, mitochondrial              | D10Jhu81e | 26.4451 | 27.7191 | 11 | 28.09  | 224.21 | 294 | 0.197339 | 0.494733 |
| Q9D1A2;Q3TG71;C  | Cytosolic non-specific dipeptidase              | Cndp2     | 23.6506 | 24.5119 | 17 | 52.767 | 109.09 | 65  | 0.3265   | 0.578484 |
| Q9D1D4           | Transmembrane emp24 domain-containing           | Tmed10    | 22.6425 | 22.223  | 2  | 24.911 | 7.1864 | 19  | 0.751004 | 0.865755 |
| Q9D1P4           | Cysteine and histidine-rich domain-containing   | Chordc1   | 21.2219 | 19.3239 | 6  | 37.35  | 16.034 | 13  | 0.207725 | 0.496009 |
| Q9D1R9;A0A0G2JG  | 60S ribosomal protein L34                       | Rpl34     | 21.4623 | 20.847  | 3  | 13.293 | 5.4345 | 19  | 0.729708 | 0.855318 |
| Q9D2G2           | Dihydrolipoyllysine-residue succinyltransferase | Dlst      | 25.1204 | 26.2371 | 11 | 48.994 | 234.86 | 249 | 0.084462 | 0.432263 |
| Q9D2P8           | Myelin-associated oligodendrocyte membrane      | Mobp      | 26.1134 | 27.0856 | 5  | 19.197 | 72.223 | 156 | 0.114174 | 0.434779 |
| Q9D2V7           | Coronin-7                                       | Coro7     | 21.8297 | 20.4897 | 10 | 100.81 | 34.98  | 21  | 0.002814 | 0.196613 |
| Q9D394;A0A0G2JF  | Protein RUFY3                                   | Rufy3     | 23.2294 | 24.933  | 16 | 53.006 | 185.5  | 68  | 0.003771 | 0.224462 |
| Q9D3A9;A0A0U1RF  | Protein tweety homolog 1                        | Ttyh1     | 24.0699 | 23.9978 | 6  | 49.032 | 239.36 | 82  | 0.910696 | 0.947856 |
| Q9D4C9           | Clavesin-1                                      | Clvs1     | 20.5711 | 19.9629 | 4  | 40.613 | 20.851 | 15  | 0.246687 | 0.532115 |
| Q9D6F9           | Tubulin beta-4A chain                           | Tubb4a    | 27.307  | 28.6919 | 31 | 49.585 | 323.31 | 562 | 0.032835 | 0.342633 |
| Q9D6J5;E9Q9J5;Q3 | NADH dehydrogenase [ubiquinone]                 | Ndufb8    | 25.0135 | 25.0628 | 5  | 21.876 | 18.718 | 95  | 0.955277 | 0.970373 |
| Q9D6J6;M0QWP9    | NADH dehydrogenase [ubiquinone]                 | Ndufv2    | 25.0021 | 26.0125 | 7  | 27.285 | 266.45 | 216 | 0.153715 | 0.466077 |
| Q9D6M3;E9PY45;E  | Mitochondrial glutamate carrier 1               | Slc25a22  | 26.4736 | 25.7446 | 14 | 34.67  | 290.18 | 333 | 0.200492 | 0.497976 |
| Q9D6R2           | Isocitrate dehydrogenase [NAD] subunit          | Idh3a     | 28.7415 | 27.6003 | 20 | 39.638 | 323.31 | 862 | 0.144781 | 0.458903 |
| Q9D6U8           | Protein FAM162A                                 | Fam162a   | 22.7963 | 24.9927 | 3  | 17.725 | 12.003 | 31  | 0.260471 | 0.5339   |
| Q9D7A8           | Armadillo repeat-containing protein             | Armc1     | 20.7681 | 20.3926 | 4  | 31.246 | 26.659 | 8   | 0.641003 | 0.797902 |
| Q9D898           | Actin-related protein 2/3 complex subunit       | Arpc5l    | 26.3675 | 25.4306 | 5  | 16.98  | 30.678 | 119 | 0.244325 | 0.5313   |
| Q9D8B3           | Charged multivesicular body protein             | Chmp4b    | 21.006  | 19.9335 | 4  | 24.936 | 10.828 | 8   | 0.118931 | 0.43635  |
| Q9D8W5;B1AT36;C  | 26S proteasome non-ATPase regulatory subunit    | Psmd12    | 20.906  | 22.6109 | 11 | 52.895 | 92.683 | 21  | 0.181073 | 0.481761 |
| Q9D8W7;A0A0J9YL  | OCIA domain-containing protein 2                | Ociad2    | 22.554  | 24.0891 | 3  | 16.925 | 5.7498 | 26  | 0.069672 | 0.4241   |
| Q9D9V3;E0CX53    | Ethylmalonyl-CoA decarboxylase                  | Echdc1    | 19.6591 | 20.0739 | 2  | 35.467 | 3.6394 | 5   | 0.696957 | 0.832721 |
| Q9DB05;Q9CXX1    | Alpha-soluble NSF attachment protein            | Napa      | 24.3993 | 23.8878 | 20 | 33.189 | 306.23 | 194 | 0.610279 | 0.782072 |
| Q9DB20;Q3TF25;Q  | ATP synthase subunit O, mitochondrial           | Atp5o     | 28.6094 | 29.4874 | 14 | 23.363 | 144.58 | 604 | 0.211564 | 0.49851  |
| Q9DB60;B1AS14    | Prostaglandin synthase                          | Fam213b   | 20.7065 | 21.3084 | 3  | 21.67  | 6.5502 | 7   | 0.627525 | 0.792171 |
| Q9DB73;G3UZG6    | NADH-cytochrome b5 reductase 1                  | Cyb5r1    | 20.9113 | 20.9634 | 5  | 34.134 | 13.838 | 15  | 0.949957 | 0.969874 |
| Q9DB77           | Cytochrome b-c1 complex subunit                 | Uqcrc2    | 28.2641 | 28.3976 | 22 | 48.234 | 323.31 | 748 | 0.765791 | 0.876514 |
| Q9DBE8;F6RBY3    | Alpha-1,3/1,6-mannosyltransferase               | Alg2      | 20.7102 | 21.5233 | 9  | 47.404 | 36.383 | 17  | 0.351163 | 0.593395 |
| Q9DBF1;G3UYR8    | Alpha-amino adipic semialdehyde dehydrogenase   | Aldh7a1   | 24.3919 | 25.0795 | 19 | 58.861 | 323.31 | 111 | 0.126225 | 0.443861 |
| Q9DBP5;A0A0R4J0  | UMP-CMP kinase                                  | Cmpk1     | 23.1134 | 25.0555 | 6  | 22.165 | 20.454 | 122 | 0.192391 | 0.491531 |

|                  |  |         |         |     |        |        |      |          |          |
|------------------|--|---------|---------|-----|--------|--------|------|----------|----------|
| Q9DBS2;B1AX95    | Tumor protein p63-regulated gene Tprg1;Tprgl | 23.3592 | 23.0324 | 11  | 29.814 | 118.41 | 39   | 0.608921 | 0.780955 |
| Q9DC07           | LIM zinc-binding domain-containing; Neb1     | 25.8112 | 25.5836 | 12  | 31.113 | 81.295 | 84   | 0.437557 | 0.665865 |
| Q9DC70           | NADH dehydrogenase [ubiquinone Ndufs7        | 25.1492 | 24.5321 | 7   | 24.683 | 31.487 | 127  | 0.472725 | 0.68873  |
| Q9DCJ5           | NADH dehydrogenase [ubiquinone Ndufa8        | 27.5143 | 26.569  | 8   | 19.992 | 28.827 | 135  | 0.257635 | 0.532159 |
| Q9DCL9           | Multifunctional protein ADE2;Phos Paics      | 20.6127 | 20.8923 | 9   | 47.006 | 89.411 | 20   | 0.817261 | 0.908885 |
| Q9DCN2;Q9CY59;F  | NADH-cytochrome b5 reductase 3; Cyb5r3       | 23.9359 | 23.449  | 13  | 34.127 | 113.77 | 78   | 0.551338 | 0.745164 |
| Q9DCS9;D3YUK4    | NADH dehydrogenase [ubiquinone Nduffb10      | 24.6329 | 25.919  | 8   | 21.024 | 86.943 | 179  | 0.019573 | 0.317709 |
| Q9DCT2           | NADH dehydrogenase [ubiquinone Ndufs3        | 25.8189 | 26.7777 | 14  | 30.149 | 161.63 | 358  | 0.350132 | 0.594781 |
| Q9DCW4;A0A0U1R   | Electron transfer flavoprotein subu Etfb     | 24.6389 | 25.7031 | 12  | 27.623 | 141.68 | 203  | 0.132935 | 0.447855 |
| Q9DD18           | D-tyrosyl-tRNA(Tyr) deacylase 1 Dtd1         | 21.208  | 23.2112 | 5   | 23.384 | 12.962 | 20   | 0.242976 | 0.531965 |
| Q9EP69           | Phosphatidylinositide phosphatase Sacm1l     | 21.9257 | 22.1125 | 10  | 66.943 | 35.138 | 24   | 0.440638 | 0.664888 |
| Q9EPL8           | Importin-7 Ipo7                              | 22.288  | 20.1618 | 20  | 119.49 | 82.587 | 51   | 0.041619 | 0.363487 |
| Q9EPN1           | Neurobeachin Nbea                            | 25.2909 | 22.114  | 50  | 326.74 | 323.31 | 106  | 0.129314 | 0.444985 |
| Q9EPU0           | Regulator of nonsense transcripts 1 Upf1     | 22.762  | 20.4954 | 12  | 123.97 | 55.088 | 19   | 0.001297 | 0.160319 |
| Q9EQ06           | Estradiol 17-beta-dehydrogenase 1 Hsd17b11   | 20.8653 | 20.0933 | 5   | 32.88  | 9.2227 | 14   | 0.487826 | 0.699318 |
| Q9EQ20;Q8K0L1    | Methylmalonate-semialdehyde del Aldh6a1      | 24.0929 | 25.4014 | 25  | 57.915 | 323.31 | 132  | 0.072279 | 0.42084  |
| Q9EQ80;D3Z0G0;Q  | NIF3-like protein 1 Nif3l1                   | 20.972  | 21.108  | 6   | 41.745 | 25.602 | 13   | 0.88095  | 0.934447 |
| Q9EQF6           | Dihydropyrimidinase-related prote Dpysl5     | 25.247  | 25.4446 | 22  | 61.516 | 323.31 | 119  | 0.702233 | 0.833448 |
| Q9ER00;Q3TIL5;Q3 | Syntaxin-12 Stx12                            | 21.9406 | 21.7326 | 6   | 31.195 | 49.423 | 19   | 0.864035 | 0.93001  |
| Q9ERD7;Q9CRT0    | Tubulin beta-3 chain Tubb3                   | 27.5289 | 28.8559 | 25  | 50.418 | 323.31 | 906  | 0.097132 | 0.433586 |
| Q9ERK4;E9Q1T9;E9 | Exportin-2 Cse1l                             | 26.908  | 25.3736 | 14  | 110.45 | 75.642 | 39   | 0.643081 | 0.799869 |
| Q9ERS2           | NADH dehydrogenase [ubiquinone Ndufa13       | 24.7581 | 26.4311 | 5   | 16.859 | 28.323 | 167  | 0.107817 | 0.435332 |
| Q9ES97;Q8C6L4    | Reticulon-3 Rtn3                             | 26.523  | 25.9485 | 13  | 103.88 | 219.86 | 199  | 0.131675 | 0.444541 |
| Q9ESJ4           | NCK-interacting protein with SH3 d Nckipsd   | 23.1539 | 22.1685 | 14  | 78.572 | 104.19 | 41   | 0.327467 | 0.578922 |
| Q9ESW4           | Acylglycerol kinase, mitochondrial Agk       | 22.7174 | 22.7427 | 9   | 46.975 | 157.8  | 52   | 0.986249 | 0.989945 |
| Q9JHI5           | Isovaleryl-CoA dehydrogenase, mit Ivd        | 22.4308 | 23.2525 | 11  | 46.325 | 76.179 | 47   | 0.465626 | 0.683344 |
| Q9JHU4           | Cytoplasmic dynein 1 heavy chain 1 Dync1h1   | 29.4609 | 24.0238 | 217 | 532.04 | 323.31 | 1659 | 0.100096 | 0.434743 |
| Q9JHU9           | Inositol-3-phosphate synthase 1 Isyna1       | 19.5746 | 21.0726 | 6   | 60.931 | 37.09  | 8    | 0.156249 | 0.467582 |
| Q9JI91;Q8K3Q4;Q5 | Alpha-actinin-2 Actn2                        | 22.6986 | 21.0489 | 27  | 103.83 | 93.133 | 32   | 0.16704  | 0.472594 |
| Q9JIA1;A0A0G2JGE | Leucine-rich glioma-inactivated prc Lgi1     | 24.6975 | 25.5478 | 16  | 63.643 | 323.31 | 167  | 0.103232 | 0.434276 |
| Q9JIS5           | Synaptic vesicle glycoprotein 2A Sv2a        | 27.331  | 25.2852 | 19  | 82.646 | 323.31 | 246  | 0.20389  | 0.498709 |
| Q9JJA0;Q9WVLO    | Maleylacetoacetate isomerase Gstz1           | 20.9648 | 21.2241 | 3   | 15.865 | 4.0521 | 4    | 0.781142 | 0.885258 |
| Q9JJV2;D3YWS3    | Profilin-2;Profilin Pfn2                     | 27.1964 | 27.7643 | 6   | 15.032 | 89.595 | 221  | 0.552069 | 0.745525 |

|                  |  |              |         |         |    |        |        |     |          |          |
|------------------|--|--------------|---------|---------|----|--------|--------|-----|----------|----------|
| Q9JJY3           | Sphingomyelin phosphodiesterase        | Smpd3        | 21.4226 | 20.8999 | 5  | 71.196 | 31.004 | 12  | 0.316696 | 0.575714 |
| Q9JK42           | [Pyruvate dehydrogenase (acetyl-ti     | Pdk2         | 20.3951 | 21.9266 | 6  | 46.04  | 12.2   | 16  | 0.21994  | 0.506366 |
| Q9JKB1;B2RTM4;P! | Ubiquitin carboxyl-terminal hydroly    | Uchl3;Uchl4  | 23.3949 | 23.448  | 5  | 26.151 | 16.92  | 27  | 0.878344 | 0.933531 |
| Q9JKC6           | Cell cycle exit and neuronal differenc | Cend1        | 27.6067 | 28.493  | 8  | 14.987 | 117.88 | 110 | 0.12054  | 0.436279 |
| Q9JKD3           | Secretory carrier-associated memb      | Scamp5       | 24.2652 | 22.7129 | 3  | 26.068 | 27.184 | 89  | 0.329341 | 0.580319 |
| Q9JJK7           | Tropomodulin-2                         | Tmod2        | 24.8496 | 24.7755 | 20 | 39.51  | 323.31 | 200 | 0.95258  | 0.969472 |
| Q9JKR6;Q8VCI2    | Hypoxia up-regulated protein 1         | Hyou1        | 24.6328 | 20.0623 | 18 | 111.18 | 102.68 | 54  | 0.001379 | 0.147701 |
| Q9JLN9           | Serine/threonine-protein kinase m      | Mtor         | 21.9528 | 19.981  | 13 | 288.79 | 20.965 | 14  | 0.002893 | 0.185962 |
| Q9JM76;H7BWZ3;L  | Actin-related protein 2/3 complex      | Arpc3        | 27.2984 | 27.9244 | 7  | 20.524 | 44.653 | 248 | 0.202435 | 0.497421 |
| Q9JME5           | AP-3 complex subunit beta-2            | Ap3b2        | 24.5886 | 22.8542 | 26 | 119.19 | 226.8  | 70  | 0.00323  | 0.199618 |
| Q9JMH6;Q91Y95    | Thioredoxin reductase 1, cytoplasm     | Txnrd1       | 22.0347 | 22.7739 | 11 | 67.083 | 191.37 | 21  | 0.363477 | 0.603417 |
| Q9QUM9;E0CXB1    | Proteasome subunit alpha type-6        | PsmA6        | 24.5671 | 25.6704 | 10 | 27.372 | 61.538 | 149 | 0.205051 | 0.497759 |
| Q9QUP5           | Hyaluronan and proteoglycan link       | Hapln1       | 25.428  | 25.6114 | 17 | 40.477 | 280.33 | 203 | 0.671502 | 0.821236 |
| Q9QXS6;Q3TRK3;A  | Drebrin                                | Dbn1         | 26.2423 | 24.904  | 20 | 77.286 | 323.31 | 236 | 0.018988 | 0.321191 |
| Q9QXY6;Q8R0V6    | EH domain-containing protein 3         | Ehd3         | 24.6732 | 25.6458 | 31 | 60.82  | 323.31 | 184 | 0.081403 | 0.433158 |
| Q9QYB8;Q8C0Y2    | Beta-adducin                           | Add2         | 25.7395 | 24.2408 | 28 | 80.641 | 323.31 | 189 | 0.088004 | 0.43381  |
| Q9QYG0           | Protein NDRG2                          | NdrG2        | 26.5357 | 26.8592 | 15 | 40.789 | 323.31 | 410 | 0.64738  | 0.802112 |
| Q9QYJ0;Q3TFF0    | DnaJ homolog subfamily A membe         | Dnaja2       | 22.7397 | 24.2032 | 12 | 45.745 | 113.3  | 55  | 0.052297 | 0.402113 |
| Q9QYS2           | Metabotropic glutamate receptor        | Grm3         | 23.905  | 22.0181 | 11 | 99.113 | 44.274 | 48  | 0.209209 | 0.498072 |
| Q9QYX7           | Protein piccolo                        | Pclo         | 25.7327 | 23.1204 | 60 | 550.83 | 323.31 | 132 | 0.085218 | 0.432004 |
| Q9QZ83           | Gamma actin-like protein               | Actg1        | 28.1234 | 29.0984 | 21 | 43.6   | 323.31 | 771 | 0.174371 | 0.478182 |
| Q9QZB7           | Actin-related protein 10               | Actr10       | 19.9398 | 21.9093 | 6  | 46.207 | 12.725 | 11  | 0.011473 | 0.283635 |
| Q9QZM0           | Ubiquilin-2                            | Ubqln2       | 22.586  | 22.6427 | 7  | 67.35  | 323.31 | 41  | 0.972651 | 0.981815 |
| Q9QZQ8           | Core histone macro-H2A.1               | H2afy        | 22.7552 | 22.4967 | 10 | 39.735 | 61.046 | 42  | 0.74996  | 0.865794 |
| Q9QZX7           | Serine racemase                        | Srr          | 25.1741 | 24.6004 | 11 | 36.358 | 212.19 | 58  | 0.473833 | 0.689095 |
| Q9R0N7           | Synaptotagmin-7                        | Syt7         | 20.8878 | 22.1771 | 5  | 45.472 | 26.469 | 8   | 0.144798 | 0.458051 |
| Q9R0P9;Q3TCH2;I7 | Ubiquitin carboxyl-terminal hydroly    | Uchl1        | 28.9071 | 29.1754 | 12 | 24.838 | 259.77 | 354 | 0.730982 | 0.855563 |
| Q9R0Q6;A0A0G2JF  | Actin-related protein 2/3 complex      | Arpc1a       | 26.6329 | 26.1923 | 20 | 41.626 | 323.31 | 363 | 0.292827 | 0.549734 |
| Q9R0X4;Q32MW3    | Acyl-coenzyme A thioesterase 9, m      | Acot9;Acot10 | 20.247  | 21.4422 | 8  | 50.56  | 126.29 | 18  | 0.250928 | 0.529884 |
| Q9R0Y5           | Adenylate kinase isoenzyme 1           | Ak1          | 26.0124 | 27.0823 | 11 | 21.539 | 154.1  | 194 | 0.129908 | 0.444174 |
| Q9R1P3;Q8BJX0    | Proteasome subunit beta type-2;Pr      | PsmB2        | 23.7024 | 25.221  | 8  | 22.906 | 18.818 | 87  | 0.060075 | 0.414337 |
| Q9R1Q8;Q9D6K2    | Transgelin-3;Transgelin                | Tagln3       | 27.483  | 27.8535 | 15 | 22.47  | 95.512 | 318 | 0.300868 | 0.558954 |
| Q9WTL7           | Acyl-protein thioesterase 2            | Lypla2       | 22.979  | 24.5308 | 9  | 24.794 | 32.908 | 63  | 0.161557 | 0.470331 |

|                   |                                    |                |         |         |    |        |        |      |          |          |
|-------------------|------------------------------------|----------------|---------|---------|----|--------|--------|------|----------|----------|
| Q9WTP7;Q9D8W6     | GTP:AMP phosphotransferase AK3     | Ak3            | 24.1254 | 25.1163 | 11 | 25.426 | 48.817 | 86   | 0.166711 | 0.472495 |
| Q9WUB3;E9PUM3     | Glycogen phosphorylase, muscle fc  | Pygm           | 24.1665 | 21.742  | 35 | 97.285 | 131.11 | 84   | 0.09536  | 0.430459 |
| Q9WUM5            | Succinyl-CoA ligase [ADP/GDP-form  | Suclg1         | 26.7498 | 25.3393 | 12 | 36.154 | 323.31 | 334  | 0.182078 | 0.482043 |
| Q9WV18;G3UZ52;C   | Gamma-aminobutyric acid type B r   | Gabbr1         | 22.4405 | 20.2508 | 5  | 108.21 | 17.255 | 14   | 0.069978 | 0.422759 |
| Q9WV34            | MAGUK p55 subfamily member 2       | Mpp2           | 23.4347 | 23.6798 | 16 | 61.554 | 153    | 74   | 0.686836 | 0.83176  |
| Q9WV55            | Vesicle-associated membrane prot   | Vapa           | 25.986  | 26.5118 | 11 | 27.855 | 115.18 | 189  | 0.266461 | 0.535924 |
| Q9Z0E0            | Neurochondrin                      | Ncdn           | 28.5835 | 28.2287 | 35 | 78.894 | 323.31 | 1091 | 0.282656 | 0.547264 |
| Q9Z0G0            | PDZ domain-containing protein GIF  | Gipc1          | 20.1871 | 20.0047 | 2  | 36.129 | 25.012 | 7    | 0.862325 | 0.928791 |
| Q9Z0H8;Q6A090     | CAP-Gly domain-containing linker   | Clip2;mKIAA025 | 23.4815 | 20.7487 | 19 | 115.91 | 73.566 | 25   | 0.102221 | 0.434575 |
| Q9Z0P4;Q6ZQE7;Q   | Paralemmin-1                       | Palm           | 22.9294 | 24.0472 | 12 | 41.614 | 323.31 | 74   | 0.251781 | 0.530986 |
| Q9Z0P5            | Twinfilin-2                        | Twf2           | 22.6644 | 23.1517 | 11 | 39.47  | 221.07 | 50   | 0.57177  | 0.754379 |
| Q9Z0Y1;E9Q919     | Dynactin subunit 3                 | Dctn3          | 22.6767 | 21.9052 | 6  | 20.978 | 9.9632 | 27   | 0.465815 | 0.682998 |
| Q9Z140;Q3UYN2;Q   | Copine-6                           | Cpne6          | 27.065  | 27.6262 | 27 | 61.78  | 323.31 | 517  | 0.324466 | 0.578067 |
| Q9Z1B3;Q2M4J2;Q   | 1-phosphatidylinositol 4,5-bisphos | Plcb1;mKIAA05  | 26.4601 | 22.5911 | 51 | 138.39 | 323.31 | 224  | 0.018666 | 0.319113 |
| Q9Z1G3;Q3TG21;Q   | V-type proton ATPase subunit C 1   | Atp6v1c1       | 26.6793 | 26.1017 | 31 | 43.887 | 323.31 | 386  | 0.479431 | 0.69347  |
| Q9Z1L5            | Voltage-dependent calcium channe   | Cacna2d3       | 22.5955 | 20.5138 | 14 | 122.78 | 67.154 | 24   | 0.098078 | 0.432997 |
| Q9Z1N5;Q3TB18;Q   | Spliceosome RNA helicase Ddx39b;   | Ddx39b;Ddx39;  | 23.5801 | 24.44   | 13 | 49.035 | 143.32 | 89   | 0.096224 | 0.430732 |
| Q9Z1P6;A0A068BG   | NADH dehydrogenase [ubiquinone     | Ndufa7         | 25.2666 | 26.3384 | 11 | 12.575 | 47.858 | 72   | 0.22927  | 0.514577 |
| Q9Z1Q2;Q80YU0     | Abhydrolase domain-containing pr   | Abhd16a;Abhd1  | 19.8163 | 19.9243 | 2  | 63.085 | 2.8662 | 2    | 0.748971 | 0.86652  |
| Q9Z1S5;Q5DTK0     | Neuronal-specific septin-3         | Sept3          | 25.9904 | 24.7875 | 14 | 40.037 | 181.46 | 219  | 0.558799 | 0.748325 |
| Q9Z1Z0            | General vesicular transport factor | Uso1           | 22.5787 | 21.5614 | 11 | 106.98 | 64.219 | 19   | 0.226101 | 0.513923 |
| Q9Z268            | RasGAP-activating-like protein 1   | Rasal1         | 23.5928 | 22.4759 | 21 | 89.394 | 214.13 | 87   | 0.368417 | 0.604746 |
| Q9Z2D6            | Methyl-CpG-binding protein 2       | Mecp2          | 23.0609 | 22.3404 | 11 | 52.307 | 51.577 | 32   | 0.450623 | 0.671132 |
| Q9Z2I0            | LETM1 and EF-hand domain-contai    | Letm1          | 25.11   | 24.1919 | 20 | 82.988 | 323.31 | 118  | 0.336569 | 0.587259 |
| Q9Z2Q6;B7ZNM7;C   | Septin-5                           | Sept5          | 27.0912 | 26.973  | 22 | 42.747 | 323.31 | 525  | 0.871153 | 0.933295 |
| Q9Z2X1;Q8R582     | Heterogeneous nuclear ribonucleo   | Hnrnpf         | 20.6784 | 20.3627 | 5  | 45.729 | 11.372 | 7    | 0.751998 | 0.865659 |
| Q9Z2Y3;D3Z6A7;E9  | Homer protein homolog 1            | Homer1         | 24.6841 | 24.8222 | 19 | 41.412 | 202.58 | 124  | 0.84153  | 0.918084 |
| S4R1Q0;S4R2I2;S4F | Ankyrin repeat and sterile alpha m | Anks1b         | 24.2358 | 25.245  | 16 | 55.078 | 149.68 | 139  | 0.078649 | 0.428438 |
| S4R2F3            | Ankyrin-2                          | Ank2           | 28.1126 | 25.7673 | 99 | 429.1  | 323.31 | 825  | 0.028153 | 0.314176 |
| W6PPA1;S4R2K9;W   | Ankyrin-3                          | Ank3           | 23.8545 | 20.6152 | 29 | 284.66 | 140.85 | 50   | 0.040246 | 0.355358 |

### Medial prefrontal cortex

|                  |                                     |               |         |         |    |        |        |     |          |   |
|------------------|-------------------------------------|---------------|---------|---------|----|--------|--------|-----|----------|---|
| A0A024QYR9;O085  | Phosphatidylinositol 3,4,5-trisphos | Pten          | 21.2001 | 21.9785 | 6  | 64.566 | 13.845 | 26  | 0.451042 | 1 |
| Q78ZJ8;A0A068BFF | Ras-related protein Rab-11B;Ras-re  | Rab11b;Rab11a | 26.0233 | 27.3003 | 15 | 24.489 | 95.469 | 403 | 0.423695 | 1 |

|   |   |         |         |    |        |        |      |          |   |
|---|---|---------|---------|----|--------|--------|------|----------|---|
| Q3V3A4;A0A068BC                             | Vacuolar protein sorting-associated Vps52                 | 23.8164 | 24.0562 | 8  | 82.099 | 19.617 | 25   | 0.593154 | 1 |
| Q7JCZ1;A0A075DC                             | Cytochrome c oxidase subunit 2 mt-Co2;COX2;N              | 28.6402 | 28.9328 | 8  | 25.976 | 207.32 | 599  | 0.397119 | 1 |
| Q3TNL9;Q4JFN6;G                             | NADH-ubiquinone oxidoreductase mt-Nd1;ND1;M               | 24.3894 | 24.3514 | 7  | 35.928 | 22.469 | 78   | 0.963949 | 1 |
| Q7JCX7;Q7JCA9;G3                            | Cytochrome c oxidase subunit 3 mt-Co3;COX3;C              | 26.3979 | 26.932  | 1  | 29.922 | 45.316 | 28   | 0.570565 | 1 |
| A0A076FRG6;Q91V                             | Solute carrier family 12 member 5 Slc12a5                 | 29.924  | 30.0438 | 40 | 126.27 | 323.31 | 1143 | 0.644196 | 1 |
| A0A087WNN1;Q9                               | SLIT-ROBO Rho GTPase-activating protein Srgap2            | 22.2817 | 22.5421 | 6  | 98.278 | 9.2921 | 15   | 0.184707 | 1 |
| A0A087WNP6;Q4V                              | Protein CDV3 Cdv3   | 20.7735 | 21.4171 | 4  | 24.196 | 7.5716 | 5    | 0.104033 | 1 |
| A0A087WQE6;A0A                              | Transcription elongation factor B p Tceb1                 | 24.804  | 23.3648 | 8  | 10.657 | 18.449 | 63   | 0.440735 | 1 |
| A0A087WNV1;A0A                              | Arf-GAP domain and FG repeat-containing Agfg1             | 22.6682 | 22.4551 | 8  | 53.974 | 41.222 | 45   | 0.701738 | 1 |
| A0A087WQF8;A0A                              | Kinectin Ktn1   | 21.9685 | 21.6165 | 7  | 137.63 | 6.3547 | 21   | 0.214808 | 1 |
| J3QP81;A5D6Q8;A                             | CLIP-associating protein 1 Clasp1                         | 23.5871 | 23.6463 | 12 | 160.92 | 15.373 | 24   | 0.923863 | 1 |
| A0A087WSJ9;A0A0                             | Regulator of G-protein signaling 6 Rgs6                   | 24.5009 | 24.8023 | 18 | 50.185 | 69.002 | 111  | 0.682503 | 1 |
| Q3ZAQ4;A0A087WP33;A1A4C2;A0A087WPL8         | Atg9a   | 22.2793 | 22.3943 | 6  | 94.424 | 8.1634 | 25   | 0.556475 | 1 |
| Q3TYE5;A0A087WF                             | Limbic system-associated membrane protein Lsamp           | 28.0881 | 28.059  | 16 | 37.31  | 218.64 | 497  | 0.867192 | 1 |
| A0A087WPL5;E9Q                              | ATP-dependent RNA helicase A Dhx9                         | 27.76   | 27.7654 | 43 | 149.62 | 243.45 | 404  | 0.979091 | 1 |
| A0A087WRN1;Q3T                              | Bcl-2-associated transcription factor Bclaf1              | 23.2377 | 22.0698 | 6  | 67.703 | 9.9227 | 12   | 0.211151 | 1 |
| Q6TA13;A0A087W                              | Kinesin-like protein Kif1a                                | 27.1761 | 26.9415 | 49 | 191.81 | 177.83 | 263  | 0.532392 | 1 |
| A0A087WQF0;Q8V                              | Lipid phosphate phosphatase-related Lppr2                 | 20.4432 | 21.4087 | 2  | 45.593 | 4.0744 | 10   | 0.236791 | 1 |
| A0A087WQS2;Q9C                              | Basic leucine zipper and W2 domain Bzw1                   | 22.4024 | 22.8788 | 12 | 51.209 | 69.268 | 30   | 0.66648  | 1 |
| Q3TBB4;Q3UHR1;B                             | Fibronectin;Anastellin Fn1                                | 22.4103 | 22.4527 | 11 | 201.26 | 13.912 | 16   | 0.922693 | 1 |
| A0A087WRE5;Q6P                              | U8 snoRNA-decapping enzyme Nudt16                         | 20.9442 | 20.089  | 5  | 21.248 | 6.2424 | 10   | 0.23144  | 1 |
| A0A087WRS3;A0A087WNT3                       | Abi2  | 25.7574 | 25.5936 | 12 | 49.358 | 67.299 | 111  | 0.415798 | 1 |
| J3QQ16;A0A087WS16;E9PWQ3;O88493;Q9Z0I9;D3YM | Col6a3  | 24.4183 | 23.9482 | 22 | 288.69 | 76.697 | 40   | 0.6649   | 1 |
| A0A087WS83;Q61                              | Voltage-dependent R-type calcium channel Cacna1e          | 24.8415 | 24.9931 | 24 | 257.2  | 43.611 | 85   | 0.599715 | 1 |
| Q8C073;A0A087W                              | SH3 domain-binding glutamic acid-binding protein Sh3bgrl2 | 20.817  | 21.2827 | 3  | 13.589 | 4.9568 | 12   | 0.683272 | 1 |
| J3QN27;J3QMT8;E                             | Calcium-activated potassium channel Kcnma1                | 25.4907 | 25.2617 | 15 | 127.22 | 59.844 | 88   | 0.500107 | 1 |
| A0A087WSS1                                  | RAB11-binding protein RELCH Relch                         | 21.0121 | 21.8326 | 34 | 131.87 | 3.282  | 7    | 0.520587 | 1 |
| A0A0A0MQ68;Q60                              | Glutaryl-CoA dehydrogenase, mitochondrial Gcdh            | 21.0964 | 21.5718 | 5  | 49.57  | 25.15  | 8    | 0.217345 | 1 |
| S4R294;S4R2J9;A0                            | Protein PRRC2C Prrc2c                                     | 22.1189 | 22.0331 | 6  | 298.11 | 4.1309 | 9    | 0.88951  | 1 |
| B9EJ72;A0A0A0MC                             | Teneurin-2;Ten-2, soluble form;Ter Tenm2                  | 22.1922 | 22.6063 | 9  | 303.34 | 22.615 | 12   | 0.791538 | 1 |
| A0A0A0MQD5;Q4A                              | SH3 and multiple ankyrin repeat domain Shank3             | 26.449  | 26.0674 | 35 | 192.22 | 115.3  | 163  | 0.135539 | 1 |
| D2KHZ9;A0A0A0M                              | Glyceraldehyde-3-phosphate dehydrogenase GAPDH;Gapdh;G    | 32.8589 | 32.6852 | 25 | 35.81  | 323.31 | 6278 | 0.029704 | 1 |
| A0A0A0MQM0;P6                               | Eukaryotic translation initiation factor Eif5a;Eif5a2     | 26.2264 | 24.7767 | 13 | 16.302 | 43.331 | 155  | 0.488869 | 1 |

|   |         |         |    |        |        |      |          |   |
|---|---------|---------|----|--------|--------|------|----------|---|
| Q3TM87;Q3TAB9;A Ubiquitin-like modifier-activating e Atg7           | 21.7917 | 22.0509 | 12 | 77.52  | 10.284 | 14   | 0.769242 | 1 |
| A0A0A1HAM8;P26I Myristoylated alanine-rich C-kinase Marcks          | 26.5635 | 26.2938 | 12 | 29.721 | 211.46 | 98   | 0.635664 | 1 |
| A0A0A6YVU8;Q9JK Proteasomal ubiquitin receptor AD Gm9774;Adrm1      | 22.5371 | 22.4957 | 4  | 42.147 | 11.572 | 30   | 0.914846 | 1 |
| A0A0A6YXC8;E9QK Protein enabled homolog Enah                        | 23.2239 | 22.3508 | 8  | 58.35  | 14.467 | 26   | 0.404554 | 1 |
| A0A0A6YWG7;E9Q Rap guanine nucleotide exchange f Rapgef2            | 26.4988 | 26.4058 | 37 | 184.11 | 254.8  | 193  | 0.586473 | 1 |
| A0A0A6YWM5;E9C Rab3 GTPase-activating protein noi Rab3gap2          | 25.7542 | 25.6531 | 34 | 152.54 | 124.64 | 131  | 0.307283 | 1 |
| A0A0A6YY37;B2RXR7;A0A0A6YY09;B2RY66;A0A0A6YV Pcdh9                  | 21.7526 | 20.5328 | 3  | 114.31 | 2.7182 | 4    | 0.011804 | 1 |
| A0A0A6YX18;Q8BV V-type proton ATPase subunit H Atp6v1h              | 28.8152 | 29.0179 | 28 | 54.108 | 323.31 | 1138 | 0.510686 | 1 |
| A0A0A6YX73;Q8K1 cAMP-dependent protein kinase ty Prkar2a            | 26.5921 | 26.4933 | 19 | 43.165 | 228.98 | 332  | 0.554481 | 1 |
| A0A0A6YY47;E9Q5 Neural cell adhesion molecule 1 Ncam1               | 25.9047 | 25.8358 | 31 | 93.491 | 45.847 | 29   | 0.911169 | 1 |
| A0A0A6YY53;F6TQ' Ig gamma-2A chain C region secret lghg2c;lghg2a;lq | 21.5204 | 21.8675 | 5  | 36.407 | 23.292 | 17   | 0.723332 | 1 |
| B2RRE3;A0A0A6YYI Calmodulin-regulated spectrin-assc Camsap2         | 22.4042 | 22.4409 | 8  | 165.66 | 10.926 | 17   | 0.961979 | 1 |
| A0A0A6YY91 Neural cell adhesion molecule 1 Ncam1                    | 31.239  | 31.0355 | 41 | 116.26 | 323.31 | 1563 | 0.427408 | 1 |
| Q4FJX1;Q3UGH8;A Importin subunit alpha;Importin su Kpna4            | 24.9009 | 24.4704 | 15 | 57.922 | 67.665 | 102  | 0.216995 | 1 |
| A0A0B4J1P7;Q542( Cystine/glutamate transporter Slc7a11              | 23.8482 | 22.9513 | 6  | 54.041 | 12.183 | 18   | 0.552376 | 1 |
| A0A0M3KL49;Q65Z' Ig kappa chain C region lgkc;lkc;LC;LOC:           | 22.203  | 23.025  | 4  | 24.085 | 7.5919 | 23   | 0.62081  | 1 |
| A0A0G2JDT9;A0A0 Leucine-rich repeat-containing proi Lrrc7           | 25.4651 | 25.2116 | 23 | 167.5  | 65.845 | 78   | 0.118699 | 1 |
| A0A0G2JDW7;Q6Z' 40S ribosomal protein S27 Rps27                     | 24.4819 | 23.8076 | 5  | 9.2327 | 15.612 | 40   | 0.253716 | 1 |
| A0A0G2JDX4;A0A0 Tetraspanin;Tetraspanin-2 Tspan2                    | 21.8957 | 22.8607 | 3  | 9.5218 | 20.144 | 17   | 0.517247 | 1 |
| Q80TU0;A0A0G2JE Membrane-associated guanylate ki mKIAA0705;Ma       | 22.8848 | 23.2249 | 11 | 137.28 | 17.267 | 20   | 0.486208 | 1 |
| S4R1K5;B1AXI2;A0 Rho guanine nucleotide exchange f Arhgef9          | 22.3172 | 21.9183 | 8  | 49.184 | 10.005 | 14   | 0.201693 | 1 |
| A0A0G2JEC4;Q9JK4 Endophilin-B1 Sh3glb1                              | 23.4908 | 23.414  | 9  | 44.303 | 28.158 | 47   | 0.822626 | 1 |
| A0A0G2JEG8;Q7TQ Amphiphysin Amph                                    | 28.8091 | 28.8777 | 27 | 75.339 | 323.31 | 627  | 0.605139 | 1 |
| A0A0H2UH27;A0A( Fragile X mental retardation syndrc Fxr1            | 20.8108 | 21.0563 | 3  | 51.014 | 6.81   | 9    | 0.780546 | 1 |
| A0A0G2JFB0;D3YXI RIMS-binding protein 2 Rimbp2                      | 24.6394 | 24.5968 | 12 | 118.21 | 30.362 | 42   | 0.753451 | 1 |
| Q0P6B2;Q3TUE1;A Far upstream element-binding prot Fubp1             | 24.6082 | 24.3914 | 13 | 67.195 | 36.72  | 57   | 0.406695 | 1 |
| A0A1D5RMJ7;A0A( Seizure 6-like protein Sez6l                        | 23.3544 | 23.0555 | 5  | 96.293 | 19.591 | 34   | 0.289879 | 1 |
| A0A0G2JG79;Q3TV Geranylgeranyl transferase type-2 Rabggtb           | 21.9344 | 22.3407 | 6  | 22.765 | 24.614 | 29   | 0.385201 | 1 |
| A0A0G2JGP4;Q9D0 GTPase NRas Nras                                    | 24.5087 | 22.0344 | 10 | 20.586 | 5.6349 | 78   | 0.108779 | 1 |
| A0A140T8R8;A0A0 DCN1-like protein;DCN1-like protei Dcun1d1          | 21.2826 | 22.6224 | 8  | 24.94  | 14.507 | 18   | 0.260832 | 1 |
| A0A0G2JGX4;Q6PI( Sodium/potassium-transporting AT Atp1a3            | 34.1561 | 34.2271 | 64 | 112.99 | 323.31 | 5806 | 0.838527 | 1 |
| A0A0G2JGY9;Q7TM Lipid phosphate phosphatase-relat Lppr4             | 23.3587 | 23.7541 | 14 | 76.746 | 30.387 | 40   | 0.852755 | 1 |
| A0A0J9YKD4;Q9D6 Creatine kinase M-type Ckm                          | 25.3282 | 25.5593 | 2  | 35.108 | 26.065 | 121  | 0.853822 | 1 |

|  |                                       |                 |         |         |    |        |        |      |          |   |
|--|---------------------------------------|-----------------|---------|---------|----|--------|--------|------|----------|---|
| B1AWN6;A0A0J9YT                        | Sodium channel protein                | Scn2a1          | 27.0251 | 27.0037 | 36 | 227.94 | 232.62 | 255  | 0.948213 | 1 |
| A0A0J9TY0;A0A0J                        | Septin-11                             | Sept11          | 28.115  | 27.9461 | 26 | 48.978 | 323.31 | 401  | 0.710822 | 1 |
| Q6PDG0;B9EJ54;A0A0J9YUD5;Q6ZQG1;Q6P9L5 |                                       | Nup205          | 21.8012 | 21.5472 | 6  | 226.93 | 9.6657 | 8    | 0.831795 | 1 |
| A0A0J9YUN4;A0A0                        | Dynamin-1                             | Dnm1            | 31.6961 | 31.6929 | 73 | 97.294 | 323.31 | 3926 | 0.988718 | 1 |
| A0A0J9YU55;E9PVC                       | Eukaryotic translation initiation fac | Eif4g1          | 25.8685 | 25.7124 | 27 | 145.31 | 113.51 | 120  | 0.468922 | 1 |
| Q8C7C4;Q8BNM0;H                        | High mobility group protein B1        | Hmgb1           | 24.6463 | 26.0734 | 13 | 20.303 | 100.12 | 131  | 0.281867 | 1 |
| A0A0J9YVG0;Q610                        | Protein phosphatase 1G                | Ppm1g           | 21.8007 | 20.9037 | 4  | 47.802 | 9.8347 | 5    | 0.351138 | 1 |
| J3QMN4;A0A0U1R                         | Thioredoxin reductase 2, mitochon     | Txnr2           | 22.5505 | 22.3552 | 9  | 53.051 | 30.562 | 30   | 0.869197 | 1 |
| A0A0N4SUV3;D3YT                        | Vesicle-associated membrane prot      | Vamp1           | 23.8162 | 23.0014 | 6  | 12.428 | 37.772 | 81   | 0.528858 | 1 |
| A0A0N4SWH0;Q5D                         | Membrane-associated guanylate ki      | Magi1           | 22.4595 | 22.8263 | 6  | 110.79 | 10.014 | 11   | 0.552526 | 1 |
| A0A0N4SV15;Q80L                        | E3 ubiquitin-protein ligase KCMF1     | Kcmf1           | 21.6671 | 21.6542 | 2  | 36.015 | 12.156 | 17   | 0.987137 | 1 |
| A0A0N4SV66;A0AL                        | Histone H2A;Histone H2A type 1-H      | Hist1h2ah;Hist1 | 22.8454 | 22.6706 | 6  | 13.66  | 10.794 | 37   | 0.920043 | 1 |
| A0A0N4SVB5;Q6PE                        | Proline-rich transmembrane protei     | Prtr3           | 24.7412 | 25.0868 | 11 | 101.29 | 29.786 | 52   | 0.401623 | 1 |
| A0A0N4SVC2;E9QP                        | Transformer-2 protein homolog a       | Tra2a           | 21.4873 | 21.299  | 4  | 32.259 | 6.4923 | 18   | 0.669511 | 1 |
| A0A0N4SVG2;A0A1                        | Synaptotagmin-17                      | Syt17           | 21.2942 | 21.2438 | 6  | 46.894 | 11.845 | 13   | 0.871651 | 1 |
| Z4YKC4;A0A0R4J11                       | Eukaryotic translation initiation fac | Eif4g3          | 23.7345 | 24.4917 | 18 | 173.55 | 26.472 | 37   | 0.225852 | 1 |
| Q3U935;Q3U5V2;A                        | Cellular nucleic acid-binding protei  | Cnbp            | 22.6471 | 21.3285 | 3  | 18.742 | 5.6545 | 10   | 0.07338  | 1 |
| A0A0N4SVT3;A0A0                        | Guanine nucleotide-binding protei     | Gng12           | 24.702  | 24.9364 | 5  | 7.1971 | 57.634 | 38   | 0.81094  | 1 |
| A0A0N4SW14;E6Y2                        | Coiled-coil domain-containing prot    | Ccdc136         | 21.7695 | 22.3258 | 8  | 50.27  | 12.079 | 27   | 0.335619 | 1 |
| A0A0N4SW73;Q6Z                         | Rab11 family-interacting protein 5    | Rab11fip5       | 21.5553 | 21.1215 | 6  | 139.55 | 12.826 | 20   | 0.503282 | 1 |
| A0A0R3P9C8;Q9DC                        | NADH dehydrogenase [ubiquinone        | Ndufa9          | 27.6251 | 27.555  | 20 | 42.121 | 323.31 | 629  | 0.773471 | 1 |
| A0A0R4IZW8;O884                        | Calpain small subunit 1               | Capns1          | 23.0839 | 24.3075 | 7  | 28.406 | 34.864 | 71   | 0.295383 | 1 |
| A0A0R4IZX5;P5506                       | Neurocan core protein                 | Ncan            | 28.8768 | 28.9862 | 33 | 137.17 | 323.31 | 564  | 0.586125 | 1 |
| A0A0R4IZY0;Q8C1                        | Thimet oligopeptidase                 | Thop1           | 25.2561 | 25.3171 | 22 | 78.026 | 67.188 | 116  | 0.673439 | 1 |
| A0A0R4J023;Q9JLZ                       | Methylglutaconyl-CoA hydratase, r     | Auh             | 24.0947 | 26.0355 | 11 | 33.338 | 104.01 | 187  | 0.294719 | 1 |
| A0A0R4J030;Q8CC                        | APC membrane recruitment protei       | Amer2           | 21.7456 | 21.6096 | 4  | 66.432 | 8.6573 | 10   | 0.838561 | 1 |
| A0A0R4J036;P0855                       | Neurofilament medium polypeptid       | Nefm            | 28.6284 | 28.5935 | 40 | 95.94  | 323.31 | 631  | 0.954563 | 1 |
| A0A0R4J049;Q8CIG                       | Protein arginine N-methyltransfera    | Prmt5           | 22.3817 | 22.0571 | 8  | 72.737 | 12.39  | 24   | 0.314193 | 1 |
| A0A0R4J050;Q99JV                       | Aminoacylase-1                        | Acy1            | 21.5992 | 21.8563 | 7  | 45.794 | 6.2504 | 12   | 0.652644 | 1 |
| A0A0R4J087;Q8BJI                       | Sodium-dependent neutral amino        | Slc6a17         | 26.8062 | 26.8521 | 17 | 80.756 | 134.19 | 228  | 0.87353  | 1 |
| A0A0R4J094;Q3TC                        | Fumarylacetoacetate hydrolase do      | Fahd2           | 23.5914 | 25.2995 | 13 | 34.676 | 67.937 | 118  | 0.262137 | 1 |
| A0A0R4J227;A0A0F                       | Serine/threonine-protein kinase M     | Mark2           | 24.8671 | 24.751  | 20 | 80.873 | 64.799 | 79   | 0.693069 | 1 |
| A0A0R4J0B4;Q99KI                       | N-acylneuramate cytidyllyltransfe     | Cmas            | 23.3233 | 23.8338 | 13 | 48.029 | 36.154 | 85   | 0.549652 | 1 |

|   |             |         |         |    |        |        |     |          |   |
|---|-------------|---------|---------|----|--------|--------|-----|----------|---|
| AOA0R4J0B8;Q624: Endophilin-A3                                  | Sh3gl3      | 23.9019 | 23.9193 | 16 | 38.95  | 41.842 | 47  | 0.95589  | 1 |
| AOA0R4J0D3;Q3TD Dolichyl-diphosphooligosaccharide               | Stt3b       | 22.5375 | 22.7206 | 8  | 93.314 | 16.51  | 19  | 0.795911 | 1 |
| Q3UIZ0;AOA0R4J0F Cyclin-G-associated kinase                     | Gak         | 25.0922 | 25.208  | 24 | 143.64 | 61.776 | 81  | 0.713441 | 1 |
| AOA0R4J0G0;Q8BH Phosphoenolpyruvate carboxykinase               | Pck2        | 24.4552 | 24.3574 | 21 | 73.417 | 88.408 | 119 | 0.724945 | 1 |
| AOA0R4J0I1;P0775: Serine protease inhibitor A3K                 | Serpina3k   | 25.6771 | 25.8747 | 16 | 46.672 | 125.58 | 154 | 0.388902 | 1 |
| AOA0R4J0I9;Q91ZX Prolow-density lipoprotein receptor            | Lrp1        | 28.132  | 28.0848 | 76 | 504.77 | 314.44 | 578 | 0.868761 | 1 |
| AOA0R4J0J1;Q1RLL Copine-9                                       | Cpne9       | 22.0234 | 20.6755 | 8  | 61.823 | 13.973 | 10  | 0.198409 | 1 |
| Z4YL78;AOA0R4J0K Cytoskeleton-associated protein 5              | Ckap5       | 26.5362 | 26.2873 | 52 | 218.71 | 151.7  | 169 | 0.332959 | 1 |
| AOA0R4J0M9;Q80T Deubiquitinating protein VCI135                 | Vcpip1      | 24.1941 | 24.0792 | 16 | 134.44 | 24.419 | 32  | 0.704809 | 1 |
| D3YTT4;AOA0R4J0F Isobutyryl-CoA dehydrogenase, mitochondrial    | Acad8       | 23.1094 | 23.0258 | 12 | 45.075 | 46.835 | 36  | 0.724442 | 1 |
| AOA0R4J0S3;Q924: Reticulon-4-interacting protein 1, nuclear     | Rtn4ip1     | 21.0665 | 20.717  | 4  | 43.399 | 4.9938 | 5   | 0.302845 | 1 |
| AOA0R4J0S4;Q80Y1 Lethal(2) giant larvae protein homolog         | Llg1        | 21.7196 | 21.8698 | 3  | 115.56 | 6.8798 | 10  | 0.791978 | 1 |
| AOA0R4J0W6;Q9CF Leucine-rich repeat-containing protein          | Lrrc40      | 21.8849 | 22.3772 | 6  | 68.048 | 6.3259 | 9   | 0.563244 | 1 |
| AOA0R4J0W7;A0A1 Serine/threonine-protein kinase LM              | Lmtk3       | 21.9777 | 21.8411 | 6  | 150.89 | 10.235 | 15  | 0.901197 | 1 |
| AOA0R4J0X5;Q008: Alpha-1-antitrypsin 1-3                        | Serpina1c   | 23.4481 | 23.9958 | 15 | 45.854 | 38.334 | 52  | 0.799296 | 1 |
| AOA0R4J0Z1;P0800 Protein disulfide-isomerase A4                 | Pdia4       | 23.9335 | 24.7302 | 18 | 72.369 | 49.126 | 83  | 0.361785 | 1 |
| AOA0R4J0Z3;P5508 Aquaporin-4                                    | Aqp4        | 26.5952 | 26.3791 | 6  | 34.535 | 25.774 | 88  | 0.521441 | 1 |
| F6T0J8;D3Z1R6;D3: Cytoplasmic polyadenylation element           | Cpeb3;Cpeb2 | 21.0861 | 21.2218 | 3  | 46.937 | 4.8006 | 9   | 0.712866 | 1 |
| AOA0R4J124;Q547: SRSF protein kinase 2;SRSF protein             | Srpk2       | 23.8669 | 23.4844 | 9  | 76.884 | 19.018 | 41  | 0.299338 | 1 |
| AOA0R4J138;P5042 Arylsulfatase B                                | Arsb        | 22.872  | 22.7926 | 7  | 59.704 | 16.164 | 30  | 0.94438  | 1 |
| AOA0R4J140;Q5SW Clustered mitochondria protein homolog          | Cluh        | 22.1446 | 22.0184 | 7  | 151.83 | 13.194 | 15  | 0.872113 | 1 |
| AOA0R4J150;B9EJ8 Oxysterol-binding protein                      | Osbpl8      | 23.1508 | 22.9411 | 8  | 96.98  | 10.559 | 24  | 0.722916 | 1 |
| A2A543;I2FKE4;A0: Voltage-dependent L-type calcium              | Cacnb1      | 21.7843 | 21.9363 | 8  | 65.481 | 6.8505 | 10  | 0.710885 | 1 |
| AOA0R4J1E2;F6ZFU Elongation factor 1-delta                      | Eef1d       | 24.5005 | 24.8843 | 16 | 72.93  | 65.092 | 93  | 0.243131 | 1 |
| AOA0R4J1H6;E9QP: Golgin subfamily A member 3                    | Golga3      | 21.9742 | 22.2196 | 4  | 162.89 | 6.1816 | 6   | 0.62531  | 1 |
| Q3TMU8;AOA0R4J1 Dihydropyrimidinase-related protein             | Dpysl4      | 27.5715 | 27.6937 | 29 | 61.927 | 323.31 | 441 | 0.265495 | 1 |
| G5E8J2;B7ZW98;E9 Ankyrin-1                                      | Ank1        | 23.0583 | 22.9137 | 11 | 202.52 | 50.225 | 18  | 0.823664 | 1 |
| D6RE33;AOA0R4J1: Enhancer of mRNA-decapping protein             | Edc4        | 21.1224 | 20.7728 | 2  | 141.95 | 1.8777 | 3   | 0.215947 | 1 |
| AOA0R4J1Y7;E9PXX Thioredoxin domain-containing protein          | Txndc5      | 22.2822 | 22.4035 | 8  | 36.083 | 18.222 | 35  | 0.669304 | 1 |
| AOA0R4J1Z3;Q9CR: Transmembrane protein 33                       | Tmem33      | 22.5421 | 22.3393 | 6  | 27.932 | 15.923 | 18  | 0.900612 | 1 |
| G3UZ12;AOA0R4J25 Heterogeneous nuclear ribonucleoprotein        | Syncrip     | 24.0712 | 24.3366 | 21 | 58.751 | 47.125 | 73  | 0.163812 | 1 |
| Q91VJ9;AOA0R4J2: 1-acyl-sn-glycerol-3-phosphate acyltransferase | Agpat1      | 24.2058 | 24.3833 | 4  | 31.752 | 37.233 | 34  | 0.598912 | 1 |
| Q8BME2;AOA0R4J2 NADH dehydrogenase [ubiquinone]                 | Ndufa12     | 27.1707 | 24.7808 | 14 | 17.374 | 143.1  | 241 | 0.389559 | 1 |

|                  |                                     |                |         |         |    |        |        |     |          |   |
|------------------|-------------------------------------|----------------|---------|---------|----|--------|--------|-----|----------|---|
| AOA0R4J2B0;V9GX  | CUGBP Elav-like family member 2     | Celf2          | 23.8572 | 24.0026 | 11 | 46.607 | 54.634 | 62  | 0.665293 | 1 |
| AOA0R4J2B2;Q6W\  | BTB/POZ domain-containing protei    | Kctd12         | 23.7417 | 23.3465 | 15 | 35.888 | 78.688 | 111 | 0.636818 | 1 |
| Q5DTI3;AOA0R4J2C | Synaptotagmin-2                     | Syt2;syt II    | 23.6138 | 24.0512 | 14 | 36.063 | 19.87  | 41  | 0.385882 | 1 |
| AOA0U1RNK7;E9PX  | Dedicator of cytokinesis protein 7  | Dock7          | 22.3123 | 21.8615 | 4  | 238.09 | 7.1943 | 10  | 0.652236 | 1 |
| AOA0U1RPD7;A0AC  | Casein kinase I isoform gamma-1;C   | Csnk1g1;Csnk1g | 21.0575 | 21.7979 | 3  | 45.076 | 6.6104 | 11  | 0.297389 | 1 |
| AOA0U1RP13;Q8V\  | CDP-diacylglycerol--inositol 3-phos | Cdipt          | 24.1262 | 24.4081 | 5  | 20.292 | 20.967 | 126 | 0.784746 | 1 |
| AOA140LHA2;Q9W\  | Mitotic checkpoint protein BUB3     | Bub3           | 22.3169 | 22.5824 | 9  | 36.766 | 21.607 | 35  | 0.823955 | 1 |
| AOA140LHL5;Q8VD  | NAD-dependent protein deacetyla     | Sirt2          | 25.7036 | 25.7085 | 20 | 39.425 | 99.792 | 206 | 0.991833 | 1 |
| D3YY42;AOA140LH\ | Protein YIF1B                       | Yif1b          | 21.4925 | 21.2905 | 2  | 27.479 | 7.5152 | 3   | 0.819079 | 1 |
| AOA140LIF0;Q3TYT | 5-demethoxyubiquinone hydroxyla     | Coq7           | 21.9947 | 20.4929 | 4  | 24.764 | 4.3189 | 10  | 0.173013 | 1 |
| AOA140LJ46;F8WG  | Unconventional myosin-XVI           | Myo16          | 23.7006 | 23.9705 | 1  | 70.458 | 17.366 | 32  | 0.9061   | 1 |
| AOA140T8J4;Q9R2\ | Heme-binding protein 1              | Hebp1          | 22.1974 | 20.3384 | 4  | 21.053 | 11.442 | 14  | 0.025568 | 1 |
| Q6ZWZ4;Q5M9L1;\  | 60S ribosomal protein L36           | Rpl36          | 23.4505 | 22.4304 | 4  | 12.254 | 13.89  | 65  | 0.416501 | 1 |
| Q91YK6;Q4V9X9;Q  | 60S ribosomal protein L23a          | Rpl23a         | 26.2855 | 22.9243 | 9  | 16.94  | 22.861 | 73  | 0.236125 | 1 |
| Q9ME04;Q7JCY6;A\ | NADH-ubiquinone oxidoreductase      | ND4;mt-Nd4;M   | 27.4014 | 27.391  | 7  | 51.851 | 109.9  | 84  | 0.989224 | 1 |
| AOA171EBK8;Q5SV  | Rap1 GTPase-activating protein 2    | Rap1gap2       | 24.9097 | 24.968  | 18 | 84.377 | 72.712 | 88  | 0.904479 | 1 |
| AOA172Q401;A0A1  | Protein shisa-7                     | Shisa7         | 21.4776 | 21.5582 | 7  | 56.42  | 16.118 | 29  | 0.874124 | 1 |
| AOA1B0GR11;Q93C  | Transaldolase                       | Taldo1         | 26.9305 | 26.8831 | 20 | 42.151 | 96.85  | 292 | 0.898439 | 1 |
| AOA1B0GRX7;Q99K  | Cytohesin-2                         | Cyth2          | 22.9297 | 22.6468 | 8  | 44.655 | 23.945 | 55  | 0.551459 | 1 |
| Q5PR72;A0A1B0GF  | cGMP-dependent 3,5-cyclic phosph    | Pde2a          | 27.4407 | 27.3963 | 37 | 105.25 | 323.31 | 389 | 0.925077 | 1 |
| Q544R1;Q3UYN1;A  | Proline synthase co-transcribed ba  | Prosc          | 22.3255 | 24.859  | 10 | 30.048 | 47.642 | 99  | 0.350798 | 1 |
| AOA1B0GRU0;Q3T\  | Vesicular glutamate transporter 1   | Slc17a7        | 28.9899 | 29.0497 | 14 | 64.318 | 258.14 | 249 | 0.922283 | 1 |
| AOA1B0GRV0;Q3U\  | Bisphosphate 3'-nucleotidase 1, isc | Bpnt1          | 26.1512 | 26.151  | 18 | 34.973 | 309.47 | 194 | 0.99943  | 1 |
| AOA1B0GS08;J3QP  | Protein stum homolog                | 6330403A02Rik  | 25.5854 | 25.7204 | 2  | 14.775 | 40.654 | 110 | 0.655926 | 1 |
| AOA1B0GS63;Q8K2  | Arfaptin-2                          | Arfp2          | 23.7732 | 24.2115 | 13 | 37.288 | 97.863 | 66  | 0.071835 | 1 |
| Q3UM23;A0A1B0G   | Ribonuclease inhibitor              | Rnh1           | 24.9866 | 24.9879 | 19 | 49.843 | 95.813 | 111 | 0.997638 | 1 |
| Q3LRV6;A0A1B0GT  | Chloride channel protein;H(+)/Cl(-) | Clcn4-2;Clcn4  | 23.298  | 22.9722 | 5  | 76.475 | 14.523 | 33  | 0.663936 | 1 |
| F8WIG2;A0A1B0GT  | Brain-enriched guanylate kinase-as  | Begain         | 22.1681 | 21.0591 | 6  | 67.376 | 6.6536 | 6   | 0.260863 | 1 |
| AOA1D5RL92;G5E8  | Calcium homeostasis endoplasmic     | Cherp          | 21.4304 | 21.7384 | 2  | 106.41 | 5.153  | 3   | 0.475638 | 1 |
| AOA1D5RLD8       | Glyceraldehyde-3-phosphate dehy     | Gm10358        | 26.4292 | 26.6832 | 23 | 35.812 | 24.129 | 85  | 0.610377 | 1 |
| AOA1D5RM88;Q7T   | Dedicator of cytokinesis protein 9  | Dock9          | 22.4049 | 22.0086 | 6  | 218.71 | 10.314 | 15  | 0.597452 | 1 |
| Q3UYK8;A0A1D5RL  | Rab3 GTPase-activating protein cat  | Rab3gap1       | 24.9877 | 24.9351 | 24 | 110.14 | 52.74  | 66  | 0.919272 | 1 |
| AOA1D5RLL3;Q8BG  | Protein EFR3 homolog A              | Efr3a          | 21.0626 | 21.1854 | 5  | 95.684 | 10.904 | 8   | 0.811022 | 1 |

|   |                                     |                 |         |         |    |        |        |      |          |   |
|---|-------------------------------------|-----------------|---------|---------|----|--------|--------|------|----------|---|
| A0A1D5RLN6                                    | RIKEN cDNA 2900026A02 gene          | 2900026A02Rik   | 25.4336 | 27.7725 | 4  | 43.215 | 7.9186 | 77   | 0.407209 | 1 |
| H7BX44;D3YYN8;E9                              | Non-specific serine/threonine prot  | Cdc42bpa        | 23.2391 | 22.4326 | 13 | 185.78 | 14.785 | 18   | 0.372869 | 1 |
| A0A1D5RLV7;G3UYWD                             | repeat and FYVE domain-conta        | Wdfy3           | 23.8161 | 23.7946 | 18 | 392.82 | 25.92  | 39   | 0.962343 | 1 |
| A0A1D5RM85;P627                               | 60S ribosomal protein L18a          | Rpl18a          | 25.5685 | 23.6569 | 10 | 24.638 | 22.538 | 105  | 0.353477 | 1 |
| A0A1D5RMC8;Q3U                                | Acyl-CoA synthetase family memb     | Acsf3           | 22.4191 | 23.1586 | 8  | 59.932 | 16.869 | 21   | 0.381137 | 1 |
| B7ZWL1;B2RXR3;A1                              | CCR4-NOT transcription complex s    | Cnot1           | 23.4783 | 23.1637 | 12 | 260.95 | 15.526 | 25   | 0.364987 | 1 |
| D3Z4T6;A0A4W9;C                               | Neuronal growth regulator 1         | Negr1           | 25.2439 | 25.0624 | 10 | 36.208 | 176.32 | 99   | 0.778743 | 1 |
| A0JLV3;B2RVD5;B2                              | Histone H2B;Histone H2B type 1-P;   | Hist1h2bj;Hist1 | 30.868  | 28.2979 | 8  | 13.579 | 150.21 | 720  | 0.404389 | 1 |
| A0JNY3;Q8BUV3                                 | Gephyrin;Molybdopterin adenylylt    | Gphn            | 26.7174 | 26.966  | 30 | 83.665 | 323.31 | 237  | 0.688437 | 1 |
| A0JP53;D3YXJ0                                 | Diacylglycerol kinase               | Dgkh            | 22.5727 | 23.2884 | 13 | 119.87 | 40.614 | 21   | 0.622715 | 1 |
| D6RJ72;D6RDC7;Q8                              | WD repeat-containing protein 61;V   | Wdr61           | 21.6297 | 21.2938 | 2  | 11.492 | 3.2565 | 9    | 0.64206  | 1 |
| A0PJL3;Q6PDS3                                 | Sterile alpha and TIR motif-contain | Sarm1           | 21.8256 | 21.5828 | 9  | 77.295 | 6.2865 | 9    | 0.565781 | 1 |
| Q497V8;B8JJ66;A0PJN6;B8JJ69;Q3TA61;Q3UM69;Q6P | 2310061I04Rik                       |                 | 21.8661 | 21.2785 | 6  | 20.471 | 10.158 | 34   | 0.589255 | 1 |
| A2A8Y5;A0ZV96;Q8                              | Protein OSCP1                       | Oscp1           | 22.8641 | 22.87   | 11 | 43.231 | 25.185 | 72   | 0.989184 | 1 |
| A1A4T2;Q8BHN3;Q                               | Neutral alpha-glucosidase AB        | Ganab           | 26.751  | 27.062  | 34 | 109.4  | 204.12 | 210  | 0.329609 | 1 |
| A1BN54  | Alpha actinin 1a                    | Actn1           | 30.2761 | 30.2501 | 65 | 102.72 | 323.31 | 2362 | 0.896208 | 1 |
| A1ILG8;Q8BX70                                 | Vacuolar protein sorting-associat   | Vps13c          | 25.8017 | 25.5736 | 49 | 420.08 | 81.447 | 128  | 0.788902 | 1 |
| A1L0U6;A2AS98;P2                              | Nck-associated protein 1            | Nckap1          | 29.028  | 28.9741 | 55 | 129.38 | 323.31 | 1062 | 0.686823 | 1 |
| A1L151;Q99JG2                                 | Prosaposin receptor GPR37L1         | Gpr37l1         | 25.8397 | 25.7084 | 7  | 38.32  | 22.695 | 42   | 0.856758 | 1 |
| Z4YJW0;A1L2Z3;Q8                              | ER membrane protein complex su      | Emc1            | 23.4437 | 23.5948 | 10 | 111.56 | 13.462 | 35   | 0.391368 | 1 |
| A1L3B8;P26516                                 | 26S proteasome non-ATPase regul     | Psmd7           | 25.2599 | 25.3343 | 13 | 36.539 | 148.52 | 171  | 0.811239 | 1 |
| B0QZV3;Q80U52;A                               | Sodium/hydrogen exchanger           | Slc9a6          | 23.0101 | 22.7539 | 5  | 74.227 | 14.054 | 34   | 0.761176 | 1 |
| E9PXY1;A2A432;J3                              | Cullin-4B                           | Cul4b           | 22.9996 | 22.7534 | 12 | 102.41 | 13.403 | 30   | 0.298566 | 1 |
| Q3UZ68;Q2M4I9;A                               | Phosphoinositide phospholipase C;   | Plcg1           | 23.837  | 24.0769 | 12 | 135.96 | 27.528 | 36   | 0.57313  | 1 |
| A2A4J8;Q9CQ80;A8                              | Vacuolar protein-sorting-associat   | Vps25           | 22.7298 | 21.2816 | 5  | 21.594 | 7.1294 | 18   | 0.422129 | 1 |
| A2A4P3;A2A4P4;Q                               | Alanyl-tRNA editing protein Aarsd1  | Gm27029;Aarsc   | 21.2837 | 21.6155 | 6  | 58.167 | 7.0186 | 13   | 0.27724  | 1 |
| A2A547;Q5I0T8;P8                              | Ribosomal protein L19;60S riboson   | Rpl19           | 22.2405 | 24.0038 | 6  | 23.247 | 29.373 | 26   | 0.325533 | 1 |
| A2A5N2;Q9CQV8;A                               | 14-3-3 protein beta/alpha;14-3-3 p  | Ywhab           | 26.6163 | 28.9918 | 21 | 28.086 | 323.31 | 498  | 0.384563 | 1 |
| A2A5R2;Q3U5C3;Q                               | Brefeldin A-inhibited guanine nucle | Arfgef2         | 25.6684 | 25.9516 | 36 | 202.24 | 60.972 | 143  | 0.435166 | 1 |
| A2A690  | Protein TANC2                       | Tanc2           | 23.6454 | 23.5337 | 15 | 220.26 | 22.263 | 29   | 0.840649 | 1 |
| A2A699  | Protein FAM171A2                    | Fam171a2        | 21.1594 | 20.9054 | 5  | 87.486 | 5.2072 | 6    | 0.856111 | 1 |
| A2A6U3;Q80UG5;C                               | Septin-9                            | Sept9           | 26.0047 | 25.9929 | 21 | 63.772 | 103.3  | 184  | 0.942367 | 1 |
| Q5DU51;Q3UM91;                                | Chloride channel protein;Chloride t | mKIAA0046;Clc   | 23.7498 | 23.8101 | 11 | 77.139 | 15.205 | 33   | 0.842632 | 1 |

|   |         |         |    |        |        |     |          |   |
|---|---------|---------|----|--------|--------|-----|----------|---|
| A2A7S7;Q91WQ3 Tyrosine--tRNA ligase;Tyrosine--tRl Yars            | 26.461  | 26.2248 | 35 | 63.001 | 190.2  | 236 | 0.173843 | 1 |
| A2A8E2;Q8BHG2;B UPF0587 protein C1orf123 homolo 0610037L13Rik     | 22.9418 | 21.5708 | 3  | 15.783 | 6.511  | 18  | 0.284468 | 1 |
| A6PWC3;Q8R320;A Nardilysin Nrd1                                   | 23.8767 | 23.3514 | 10 | 127.77 | 11.63  | 19  | 0.01638  | 1 |
| A2A9S2;A2A9R8;Q ELAV-like protein;ELAV-like protein Elavl4        | 23.7657 | 24.0002 | 12 | 40.375 | 37.919 | 95  | 0.139798 | 1 |
| H7BX05;A2AAJ9;F6 Obscurin Obscn                                   | 23.4902 | 23.2561 | 5  | 874.53 | 2.5079 | 27  | 0.9355   | 1 |
| A2ABY3;Q540F5;Q Ethanolamine-phosphate cytidylt Pcyt2             | 23.2285 | 23.1758 | 12 | 43.446 | 121.07 | 65  | 0.954725 | 1 |
| F8WHN4;A2ACC6;E Ral GTPase-activating protein subu Ralgapb        | 23.5692 | 23.937  | 15 | 166.17 | 37.848 | 44  | 0.422215 | 1 |
| Q61833;A2ACG7;Q Dolichyl-diphosphooligosaccharide Rpn2            | 25.257  | 25.8966 | 17 | 66.301 | 207.08 | 87  | 0.180568 | 1 |
| A2ACL9;Q62443;Q Neuronal pentraxin-1 Nptx1                        | 24.8046 | 25.099  | 18 | 47.117 | 214.19 | 121 | 0.467469 | 1 |
| A4FUW1;A2ACM0; Regulatory-associated protein of m Rptor           | 22.9906 | 22.6872 | 13 | 149.24 | 41.572 | 26  | 0.804433 | 1 |
| A2AD03;Q9QXG2;C Rab proteins geranylgeranyltransfe Chm            | 22.1688 | 23.1137 | 8  | 73.663 | 12.424 | 25  | 0.253464 | 1 |
| A2AE27;Q9DBT5 AMP deaminase 2 Ampd2                               | 22.4426 | 23.1297 | 15 | 94.695 | 30.959 | 28  | 0.732701 | 1 |
| A2AEC2;Q9DB24;Q Transcription elongation factor A p Tceal3;Tceal6 | 22.0906 | 22.9841 | 6  | 19.925 | 6.4137 | 3   | 0.298687 | 1 |
| A2AEG6;P35803;A Neuronal membrane glycoprotein I Gpm6b            | 27.9461 | 28.1636 | 11 | 36.196 | 197.07 | 305 | 0.59704  | 1 |
| A2AEK1;B3V099;B3 Cleavage stimulation factor subuni Cstf2         | 21.3177 | 21.7026 | 3  | 58.571 | 13.676 | 9   | 0.576924 | 1 |
| A2AEW8;A2AEW9;I GRIP1-associated protein 1 Gripap1                | 24.7574 | 24.6663 | 21 | 95.912 | 55.983 | 97  | 0.650958 | 1 |
| A2AFG8;Q6PGJ3;A2AFG7;Q9QYQ7 L1cam;L1                              | 28.1962 | 28.0908 | 33 | 140.43 | 323.31 | 497 | 0.299061 | 1 |
| A2AFI8;B9EI38;B1A RalBP1-associated Eps domain-con Repts2         | 22.0185 | 21.7334 | 5  | 70.483 | 13.095 | 13  | 0.799222 | 1 |
| Q3UX53;A2AFJ1;Q Histone-binding protein RBBP7 Rbbp7               | 21.859  | 22.37   | 8  | 43.611 | 14.989 | 20  | 0.264141 | 1 |
| Q4JG03;A2AFQ0;Q E3 ubiquitin-protein ligase HUWE1 Huwe1           | 26.6196 | 26.6043 | 68 | 482.74 | 304.86 | 194 | 0.855187 | 1 |
| Q3TS73;A2AG51;A MAP7 domain-containing protein 2 Map7d2           | 21.7337 | 21.1398 | 3  | 41.104 | 34.379 | 11  | 0.588753 | 1 |
| A2AGI2;Q69ZI4;Q8 Neuroligin-3 Nlgn3;mKIAA14                       | 25.767  | 25.9482 | 16 | 93.486 | 98.838 | 143 | 0.811775 | 1 |
| A2AGR0;A2AGQ4;C MAP kinase-activating death doma Madd             | 26.4921 | 26.5381 | 36 | 175.1  | 186.97 | 187 | 0.750718 | 1 |
| A2AGS6;Q4QQM4 Tumor protein p53-inducible prote Trp53i11          | 22.7089 | 22.2907 | 5  | 9.5972 | 9.5892 | 8   | 0.725679 | 1 |
| Q543F1;Q3U5Q3;C 116 kDa U5 small nuclear ribonucl Eftud2          | 23.9024 | 24.2385 | 16 | 109.36 | 26.786 | 39  | 0.660286 | 1 |
| A2AHG0 Leucine zipper putative tumor sup Lzts3                    | 21.4447 | 20.9077 | 3  | 74.985 | 5.439  | 5   | 0.157482 | 1 |
| A2AHJ7;A2AHK0;Q Diacylglycerol kinase;Diacylglycero Dgkz          | 24.725  | 24.8543 | 12 | 105.9  | 67.19  | 67  | 0.865256 | 1 |
| A2AI17;A2AI14;A2 Glutamate receptor ionotropic, NM Grin1          | 26.5143 | 26.5641 | 25 | 103.59 | 103.25 | 145 | 0.757802 | 1 |
| A2AI78;Q80YA9;Q3 Connector enhancer of kinase sup Cnksr2          | 23.2925 | 23.015  | 14 | 101.68 | 52.251 | 51  | 0.58923  | 1 |
| A2AIS0;A2AIR9;A2 Voltage-dependent N-type calcium Cacna1b         | 21.879  | 22.1464 | 5  | 257.07 | 8.1623 | 6   | 0.530892 | 1 |
| A2AJA9 Uncharacterized protein C9orf172 Gm996                     | 22.795  | 23.5446 | 8  | 107.18 | 24.371 | 22  | 0.351278 | 1 |
| F7APP3;A2AJH3;Q3 Glycylpeptide N-tetradecanoyltran Nmt2           | 22.409  | 22.5133 | 11 | 56.537 | 24.239 | 31  | 0.909713 | 1 |
| A2AJI1;A8Y5P4;A2 MAP7 domain-containing protein 1 Map7d1          | 23.3506 | 23.3549 | 9  | 85.763 | 20.733 | 16  | 0.985948 | 1 |

|   |         |         |     |        |        |      |          |   |
|---|---------|---------|-----|--------|--------|------|----------|---|
| Q05BF9;A8Y5Q1;A: [Pyruvate dehydrogenase [acetyl-ti Pdp1          | 22.8251 | 22.8154 | 12  | 61.181 | 26.843 | 58   | 0.974553 | 1 |
| Q3UVD6;A2AKD7;C Alpha-1-syntrophin Snta1                          | 23.2313 | 23.1333 | 8   | 53.312 | 27.461 | 40   | 0.324363 | 1 |
| A2AKH7;Q8JZX5;Q: Leucine-rich repeat-containing pro: Lrrc57       | 23.3188 | 23.9327 | 9   | 24.132 | 18.026 | 82   | 0.675193 | 1 |
| A2AKV9;A2AKW0;C Solute carrier family 25 member 51 Slc25a51       | 23.4048 | 23.4518 | 4   | 23.189 | 30.905 | 31   | 0.943786 | 1 |
| Q6P6I7;A2AL12;Q5 Heterogeneous nuclear ribonucleo Hnrnpa3         | 28.2162 | 28.4154 | 24  | 34.376 | 323.31 | 484  | 0.156146 | 1 |
| A2ALF0;A2ALF2;Q6 DnaJ homolog subfamily C membe Dnajc8            | 21.5027 | 22.7529 | 5   | 25.835 | 9.9343 | 12   | 0.23842  | 1 |
| A2ALS4;A2ALS5 Rap1 GTPase-activating protein 1 Rap1gap            | 24.7553 | 24.7834 | 18  | 81.251 | 66.33  | 101  | 0.909484 | 1 |
| A2AM95;O08579;I: Emerin Emd                                       | 22.0804 | 22.4002 | 10  | 29.435 | 41.38  | 34   | 0.654546 | 1 |
| I7HLV2;Q3THJ6;A2: 60S ribosomal protein L10;60S ribo Rpl10;Rpl10I | 24.1024 | 24.2896 | 10  | 23.072 | 27.038 | 107  | 0.908165 | 1 |
| A2AMH3;A2AMH5; Choline transporter-like protein 1 Slc44a1         | 22.8216 | 22.401  | 5   | 59.117 | 14.773 | 27   | 0.667511 | 1 |
| A2AN08 E3 ubiquitin-protein ligase UBR4 Ubr4                      | 25.8355 | 25.6187 | 59  | 572.28 | 206.42 | 146  | 0.5909   | 1 |
| Q684Q6;B7ZCL8;A: 55 kDa erythrocyte membrane pro Mpp1             | 21.7501 | 21.5759 | 7   | 47.7   | 13.415 | 24   | 0.725766 | 1 |
| Q80YU9;A2AN96;O Putative hydrolase RBBP9 Rbbp9                    | 24.7988 | 23.663  | 9   | 20.912 | 30.768 | 96   | 0.541993 | 1 |
| H3BIW6;F7C3A0;A: Phosphoinositide phospholipase C; Plch2          | 23.3199 | 23.1719 | 6   | 125.78 | 7.5354 | 18   | 0.746403 | 1 |
| A2AP31;Q3UIU2;A: NADH dehydrogenase [ubiquinone Ndufb6            | 26.0752 | 24.662  | 6   | 15.515 | 45.953 | 163  | 0.373754 | 1 |
| E9Q202;A2API5;Q9 Low-density lipoprotein receptor-r: Lrp1b        | 21.9883 | 21.4656 | 5   | 376.33 | 6.2819 | 6    | 0.443903 | 1 |
| A2APX8 Sodium channel protein Scn1a                               | 22.4764 | 22.398  | 15  | 228.8  | 5.589  | 11   | 0.92409  | 1 |
| E9QAU4;A2AQ25;D Sickle tail protein Etl4;Skt                      | 24.3106 | 24.7328 | 20  | 218.44 | 35.137 | 58   | 0.342514 | 1 |
| Q8C4G3;Q8C288;Q Phospholipid-transporting ATPase; Atp9a           | 24.2207 | 24.1494 | 12  | 116.42 | 19.778 | 48   | 0.784162 | 1 |
| A2AQK4;Q91VF2 Histamine N-methyltransferase Hnmt                  | 22.196  | 22.6553 | 6   | 33.664 | 8.5059 | 17   | 0.451953 | 1 |
| A2AQL0;Q9Z1W9;C STE20/SPS1-related proline-alanine Stk39          | 24.4128 | 24.3574 | 11  | 60.319 | 57.495 | 67   | 0.821445 | 1 |
| B9EHS3;A2ARP1 Inositol hexakisphosphate and dip: Ppip5k1          | 22.9472 | 21.9058 | 3   | 165.42 | 6.5893 | 11   | 0.379949 | 1 |
| A2ARP8;Q9QYR6 Microtubule-associated protein 1A Map1a             | 31.2334 | 31.0957 | 130 | 325.88 | 323.31 | 2876 | 0.687126 | 1 |
| A2ARZ7;Q0PD34;P: Ras-related protein Rab-22A Rab22a               | 21.9782 | 20.7639 | 4   | 20.895 | 7.9946 | 4    | 0.214873 | 1 |
| A2AS45;Q68FH0;A: Plakophilin-4 Pkp4                               | 22.1423 | 22.7895 | 8   | 128.53 | 33.136 | 13   | 0.407742 | 1 |
| E9Q8N1;E9Q8K5;A: Titin Ttn  | 24.6494 | 23.5715 | 5   | 3716   | 2.9544 | 15   | 0.11451  | 1 |
| A2ASW4;Q571A8;C Rap guanine nucleotide exchange f Rapgef4         | 24.766  | 24.981  | 12  | 115.49 | 25.062 | 50   | 0.507595 | 1 |
| Q3TYI5;A2ATZ8;Q8 Voltage-dependent L-type calcium Cacnb4          | 23.8612 | 23.743  | 14  | 57.662 | 35.38  | 56   | 0.370183 | 1 |
| A2VCP7;A2AU35;Q Proteasome inhibitor PI31 subunit Psmf1           | 20.5244 | 21.4312 | 2   | 26.073 | 6.9266 | 6    | 0.186907 | 1 |
| Q3U3F6;A2AU62;Q RNA-binding protein Raly Raly                     | 22.0499 | 22.264  | 7   | 31.198 | 13.191 | 21   | 0.842204 | 1 |
| A2AU89;A2AU91;P Tumor suppressor p53-binding pro Trp53bp1;Tp53    | 21.8864 | 21.8291 | 8   | 207.65 | 7.9894 | 16   | 0.964144 | 1 |
| B6ZHC9;A2AUK5;A: Band 4.1-like protein 1 Epb4.1l1;Epb41           | 28.6756 | 28.6285 | 37  | 98.284 | 309.93 | 563  | 0.861445 | 1 |
| A2AVJ7;Q99PL5;Q: Ribosome-binding protein 1 Rrbp1                 | 21.782  | 21.7552 | 4   | 158.39 | 5.4436 | 7    | 0.976372 | 1 |

|                             |                                      |               |         |         |     |        |        |      |          |   |
|-----------------------------|--------------------------------------|---------------|---------|---------|-----|--------|--------|------|----------|---|
| B2RRC5;A2AWA9               | Rab GTPase-activating protein 1      | Rabgap1       | 24.5153 | 24.3282 | 15  | 120.8  | 24.505 | 36   | 0.545644 | 1 |
| A2AWF8;A2AWF9;I             | Protein-tyrosine-phosphatase;Recep   | Ptprj         | 23.367  | 22.2038 | 6   | 128.71 | 12.317 | 27   | 0.275392 | 1 |
| A2AWI7;Q8R3V5;B             | Endophilin-B2                        | Sh3glb2       | 26.7714 | 26.7547 | 21  | 44.907 | 323.31 | 395  | 0.950139 | 1 |
| A2BE93;Q5U445;Q             | Protein SET                          | Set;BC085271  | 25.3636 | 25.6662 | 6   | 24.923 | 173.13 | 47   | 0.764069 | 1 |
| A2BFF9;D6Q0F7;Q             | Cytoplasmic dynein 1 intermediate    | Dync1i2       | 23.8981 | 24.08   | 17  | 71.424 | 55.131 | 53   | 0.821228 | 1 |
| A2BGI8;Q4G0C5;Q             | Peptidyl-prolyl cis-trans isomerase; | Ppih          | 22.8993 | 21.9571 | 4   | 17.233 | 6.6917 | 10   | 0.401888 | 1 |
| Q05CD2;A2BI12;Q             | PC4 and SFRS1-interacting protein    | Psip1         | 24.1516 | 23.8785 | 10  | 29.372 | 41.237 | 112  | 0.163786 | 1 |
| D3YZ21;A2BI30;F6ZGR6;Q8BXFO |                                      | D430041D05Rik | 23.0776 | 23.1296 | 12  | 153.38 | 85.616 | 38   | 0.71118  | 1 |
| A2CG20;O35449;Q             | Proline-rich transmembrane protei    | Prrt1         | 21.4781 | 22.3991 | 2   | 31.389 | 5.6185 | 19   | 0.372887 | 1 |
| F6QYT9;A2CG49;A             | Kalirin                              | Kalrn         | 25.3952 | 25.4858 | 35  | 270.65 | 64.734 | 70   | 0.690127 | 1 |
| A2RRJ4;Q924C1               | Exportin-5                           | Xpo5          | 22.3771 | 21.4949 | 6   | 136.93 | 8.768  | 14   | 0.363927 | 1 |
| A2RRK3;O54988               | STE20-like serine/threonine-protei   | Slk           | 24.6279 | 23.5834 | 17  | 137.71 | 45.309 | 51   | 0.507084 | 1 |
| A2RS22;Q9WUM3               | Coronin;Coronin-1B                   | Coro1b        | 26.319  | 26.3246 | 17  | 53.912 | 127.06 | 155  | 0.982829 | 1 |
| A2RS23;Q11136               | Xaa-Pro dipeptidase                  | Pepd          | 21.1241 | 22.3487 | 12  | 55.028 | 32.68  | 22   | 0.253566 | 1 |
| A2RS58;P47941               | Crk-like protein                     | Crkl          | 23.5486 | 23.7217 | 11  | 33.83  | 35.348 | 45   | 0.582504 | 1 |
| Q9CR32;A2RS68;Q             | U1 small nuclear ribonucleoproteir   | Snrnp70       | 23.5886 | 23.4265 | 9   | 29.421 | 21.752 | 24   | 0.625924 | 1 |
| A2RSB1;B7ZNL2;Q             | Nucleosome assembly protein 1-lik    | Nap1l4        | 24.5735 | 24.3985 | 12  | 42.679 | 46.831 | 103  | 0.587267 | 1 |
| B1PSD9;B2KF57;B2            | cAMP-specific 3,5-cyclic phosphodi   | Pde4d         | 22.9686 | 22.994  | 14  | 79.113 | 41.933 | 35   | 0.960257 | 1 |
| A2RSJ4;Q8C318               | UHRF1-binding protein 1-like         | Uhrf1bp1l     | 22.0064 | 21.7463 | 5   | 161.94 | 3.99   | 5    | 0.749204 | 1 |
| A2RSV8;P19783               | Cytochrome c oxidase subunit 4 isc   | Cox4i1        | 29.1064 | 29.1945 | 13  | 19.53  | 166.2  | 879  | 0.820237 | 1 |
| A2RSW6;Q8CFA2               | Aminomethyltransferase;Aminome       | Amt           | 20.2114 | 20.369  | 3   | 44.008 | 3.1522 | 9    | 0.870687 | 1 |
| A2RT14;Q64288;Q             | Olfactory marker protein             | Omp           | 26.4264 | 23.298  | 8   | 18.866 | 66.812 | 96   | 0.366118 | 1 |
| B2RPY3;A2RT62               | F-box/LRR-repeat protein 16          | Fbxl16        | 24.8398 | 24.6196 | 18  | 51.878 | 125.08 | 177  | 0.114721 | 1 |
| A2RTH5;A0A0U1R              | Leucine carboxyl methyltransferase   | Lcmt1         | 23.7325 | 23.5962 | 10  | 38.192 | 43.669 | 53   | 0.48386  | 1 |
| A2RTT4;P61089               | Ubiquitin-conjugating enzyme E2 N    | Ube2n         | 27.2113 | 24.717  | 12  | 17.138 | 111.11 | 214  | 0.421869 | 1 |
| Q91YZ8;D3Z5M2;A             | Polyadenylate-binding protein        | Pabpc4;Gm101  | 22.1539 | 21.9197 | 11  | 67.852 | 7.2711 | 6    | 0.639971 | 1 |
| B9EKJ1;A3KGU7;A3            | Spna2 protein                        | Sptan1        | 33.5385 | 33.4678 | 215 | 285.18 | 323.31 | 8235 | 0.705442 | 1 |
| A3KMD2;Q8BIV3               | Ran-binding protein 6                | Ranbp6        | 21.3863 | 21.5749 | 4   | 124.59 | 3.5434 | 4    | 0.776404 | 1 |
| A3KMF1;A3KMF0;I             | Glutamate receptor ionotropic, kai   | Grik2         | 22.0607 | 22.5877 | 3   | 98.541 | 11.117 | 7    | 0.426718 | 1 |
| A3KMI8;P61759;Q             | Prefoldin subunit 3                  | Vbp1          | 21.4396 | 21.7368 | 4   | 21.963 | 15.633 | 24   | 0.761394 | 1 |
| A3KML3;F6YY69;F6            | 14-3-3 protein theta                 | Ywhaq         | 25.8186 | 28.2948 | 19  | 27.778 | 323.31 | 549  | 0.465018 | 1 |
| E9Q9C5;Q8C1D9;A             | V-type proton ATPase 16 kDa prot     | Atp6v0c;Gm154 | 28.5872 | 28.9134 | 2   | 15.265 | 293.71 | 276  | 0.581186 | 1 |
| A3KN68;P80560               | Protein-tyrosine-phosphatase;Recep   | Ptprn2        | 21.8809 | 21.4421 | 5   | 111.55 | 6.8855 | 23   | 0.443799 | 1 |

|  |                |         |         |     |        |        |      |          |   |
|--|----------------|---------|---------|-----|--------|--------|------|----------|---|
| A3KN70;Q9JLM8;A Serine/threonine-protein kinase Dc     | Dclk1          | 26.6724 | 26.5349 | 29  | 82.191 | 243.38 | 342  | 0.339033 | 1 |
| A4FU75;Q6WQJ1 Sn1-specific diacylglycerol lipase al    | Dagla          | 24.0257 | 24.1394 | 11  | 115.24 | 23.403 | 31   | 0.639558 | 1 |
| A4FUR1;E9Q8P8;Q Protein FAM131B                        | Fam131b        | 22.1096 | 21.927  | 5   | 35.533 | 18.974 | 23   | 0.818079 | 1 |
| A4FUS1;P14131;Q€ 40S ribosomal protein S16             | Rps16          | 26.4944 | 25.272  | 12  | 16.445 | 31.528 | 254  | 0.532715 | 1 |
| S4R1C6;A4PI81;Q8 Calcium-dependent secretion activ     | Cadps2         | 21.9319 | 23.1065 | 17  | 145.88 | 12.986 | 23   | 0.299376 | 1 |
| A5GZX3;Q9CPU0 Lactoylglutathione lyase                 | Glo1           | 25.262  | 26.6398 | 12  | 20.809 | 79.047 | 222  | 0.604639 | 1 |
| A6H5Z3;Q6PCN5;Q Exocyst complex component 6B           | Exoc6b         | 22.2604 | 21.8791 | 11  | 94.128 | 33.256 | 24   | 0.767487 | 1 |
| A6H630 Protein-glutamate O-methyltransferase           | Armt1          | 21.561  | 22.6663 | 9   | 50.548 | 14.264 | 16   | 0.289847 | 1 |
| A7VJ98;Q9CQI3;Q8 Glia maturation factor beta           | Gmfb           | 26.4535 | 24.6067 | 7   | 16.722 | 124.82 | 194  | 0.360471 | 1 |
| A7VMV2;Q99KP3 Lambda-crystallin homolog                | Cryl1          | 23.4077 | 23.3124 | 14  | 35.208 | 46.931 | 74   | 0.785969 | 1 |
| Q80ZP8;A8C1V1;Q Mesencephalic astrocyte-derived n      | Manf           | 22.7178 | 22.1178 | 3   | 19.012 | 5.1936 | 10   | 0.647005 | 1 |
| A8DUK4;A8DUK7;A Hemoglobin subunit beta-1              | Hbbt1;Hbb-b1;f | 32.1769 | 30.723  | 15  | 15.748 | 323.31 | 1797 | 0.574883 | 1 |
| A8IP69;P61982 14-3-3 protein gamma;14-3-3 prot         | Ywhag          | 28.4907 | 30.9194 | 24  | 28.302 | 323.31 | 938  | 0.37787  | 1 |
| B1AUY9;Q8BJV4;B1N-alpha-acetyltransferase 11;N-alp     | Naa10;Ard1;Na  | 21.2278 | 21.2985 | 3   | 19.57  | 3.1228 | 5    | 0.942828 | 1 |
| A9CLV6;Q9QZI8;E9 Serine incorporator 1                 | Serinc1        | 22.5383 | 22.7391 | 2   | 50.508 | 4.9922 | 15   | 0.788256 | 1 |
| A9DA50;Q9D1T0 Leucine-rich repeat and immunoglk        | Lingo1         | 24.598  | 24.7254 | 12  | 69.831 | 27.751 | 67   | 0.606723 | 1 |
| B0FTY3;Q8R1N4;A( NudC domain-containing protein 3      | Nudcd3         | 22.8595 | 23.1186 | 12  | 40.89  | 21.503 | 35   | 0.358399 | 1 |
| B0LAE4;Q3TQE3;Q( ADP-ribosylation factor-like proteir  | Arl6ip1        | 24.8073 | 24.6416 | 3   | 15.907 | 17.175 | 29   | 0.822255 | 1 |
| Q8CHR4;Q35619;B Vesicle-associated membrane prot       | Vamp2          | 29.7989 | 28.1972 | 8   | 12.691 | 323.31 | 861  | 0.413278 | 1 |
| B0R091;P61022 Calcineurin B homologous protein         | Chp1           | 22.5727 | 21.2715 | 4   | 21.997 | 9.8968 | 27   | 0.291432 | 1 |
| B0V2N1;Q3UNN3 Receptor-type tyrosine-protein phr       | Ptprs          | 25.0956 | 25.2149 | 26  | 211.9  | 86.304 | 156  | 0.465683 | 1 |
| B1AQF4;Q9D7X3;Q Dual specificity protein phosphatas    | Dusp3          | 26.2691 | 24.4117 | 7   | 23.223 | 60.645 | 196  | 0.382983 | 1 |
| B1AQX9 SRC kinase-signaling inhibitor 1                | Srcin1         | 28.2597 | 28.2678 | 59  | 130.61 | 323.31 | 649  | 0.976898 | 1 |
| B1AQZ0;B1AQY9;Q Septin-8                               | Sept8          | 27.6748 | 27.5984 | 25  | 55.874 | 323.31 | 389  | 0.541913 | 1 |
| Q3TET1;Q3UI47;B1 Kinesin-like protein;Kinesin-like prc | Kif3a          | 23.2675 | 23.1521 | 10  | 79.444 | 20.715 | 28   | 0.718729 | 1 |
| Q3TAC0;Q0VF62;B Breast carcinoma-amplified sequer      | Bcas3          | 21.9272 | 22.1694 | 6   | 87.73  | 7.4106 | 12   | 0.732115 | 1 |
| B1ARU4;E9PVY8;E9 Microtubule-actin cross-linking faci  | Macf1          | 28.1074 | 28.1261 | 153 | 831.64 | 323.31 | 617  | 0.933554 | 1 |
| B1AS06;Q3TY61;Q( Disks large-associated protein 3      | Dlgap3         | 24.1718 | 24.0728 | 14  | 104.67 | 47.903 | 40   | 0.781    | 1 |
| B1AS29 Glutamate receptor ionotropic, kai              | Grik3          | 22.167  | 22.3238 | 6   | 104.05 | 23.118 | 15   | 0.875381 | 1 |
| B1ASU0;P59823 Interleukin-1 receptor accessory pr      | Il1rap1        | 21.865  | 21.9843 | 5   | 79.78  | 9.0426 | 11   | 0.812746 | 1 |
| Q8BK29;B1AT82;Q( Phosphoribosyl pyrophosphate syn      | Prpsap1        | 21.8611 | 22.4483 | 7   | 39.44  | 16.592 | 27   | 0.327264 | 1 |
| B1ATI9;Q3U432;Q( Growth arrest-specific protein 7      | Gas7           | 25.6919 | 25.6136 | 21  | 47.261 | 106.2  | 167  | 0.886297 | 1 |
| B1ATR2;Q6ZPJ0;Q€ Testis-expressed sequence 2 prote     | Tex2           | 20.5977 | 21.4418 | 2   | 92.798 | 2.8299 | 9    | 0.19357  | 1 |

|   |         |         |    |        |        |      |          |   |
|---|---------|---------|----|--------|--------|------|----------|---|
| B1ATZ0;B1ATZ1;Q3 Hepatocyte growth factor-regulate Hgs        | 25.1617 | 25.1516 | 19 | 85.778 | 44.608 | 108  | 0.971468 | 1 |
| B1AU25;Q9Z0X1 Apoptosis-inducing factor 1, mitocl Aifm1       | 24.9023 | 24.8027 | 21 | 66.113 | 79.177 | 94   | 0.727875 | 1 |
| Q8CAB3;B1AVY2;P: Gamma-aminobutyric acid recepto Gabra3       | 23.1429 | 23.0457 | 6  | 55.415 | 8.5796 | 13   | 0.783668 | 1 |
| B1AW58;Q8BW96; Calcium/calmodulin-dependent prc Camk1d        | 24.9202 | 24.7821 | 14 | 42.918 | 38.883 | 97   | 0.511946 | 1 |
| B1AWC8;Q8VBU5;B1AWC9;Q9QXI7;G3UZ46;Q80VK8;(Pde4b              | 21.8287 | 22.1    | 8  | 75.011 | 33.277 | 22   | 0.853562 | 1 |
| B1AWD8;B1AWD9; Clathrin light chain A Clta                    | 26.4014 | 26.6769 | 9  | 25.661 | 98.573 | 148  | 0.207309 | 1 |
| Q8C943;B1AWV9;E Anion exchange protein;Sodium-dr Slc4a10      | 28.116  | 28.3714 | 40 | 122.76 | 323.31 | 611  | 0.373578 | 1 |
| B1AX58;A0A1C7CY Plastin-3 Pls3                                | 26.5241 | 26.6329 | 34 | 71.745 | 186.51 | 270  | 0.398061 | 1 |
| B1AX78;Q2TPA8;Q: Hydroxysteroid dehydrogenase-like Hsd12      | 21.2103 | 21.3625 | 3  | 41.866 | 3.5339 | 9    | 0.825527 | 1 |
| B1AX98;Q505F5;E9 Leucine-rich repeat-containing pro: Lrrc47   | 24.202  | 24.0235 | 15 | 63.589 | 67.503 | 69   | 0.444616 | 1 |
| B1AXV0;Q8BVG0 DOMON domain-containing proteii Frrs1l          | 21.849  | 22.9672 | 8  | 32.506 | 14.31  | 38   | 0.204443 | 1 |
| E9PV45;B1AY13 Ubiquitin carboxyl-terminal hydrok: Usp24       | 23.4213 | 23.6095 | 11 | 294.13 | 20.47  | 23   | 0.851987 | 1 |
| B1AZ39;POCOA3;B1 Charged multivesicular body protei Chmp6     | 22.1325 | 22.1193 | 5  | 23.415 | 16.268 | 23   | 0.987687 | 1 |
| B1AZ46;Q3UKP6;Q Brain-specific angiogenesis inhibito Baiap2   | 26.8201 | 26.6776 | 27 | 57.681 | 210.01 | 569  | 0.655594 | 1 |
| B1B0C7;E9PZ16;Q3 Basement membrane-specific hep: Hspg2        | 25.9619 | 26.2588 | 50 | 469.02 | 232.41 | 160  | 0.603795 | 1 |
| B1GX80;B1GX81;Q: Non-specific serine/threonine prot Pak3      | 24.7728 | 24.5029 | 17 | 63.001 | 32.348 | 42   | 0.239725 | 1 |
| B2BH30;Q3UVX5;E: Metabotropic glutamate receptor ! Grm5       | 25.7772 | 25.8338 | 19 | 131.86 | 53.052 | 103  | 0.904553 | 1 |
| B2CY77;P14206 40S ribosomal protein SA Rpsa                   | 26.506  | 26.5014 | 14 | 32.85  | 323.31 | 261  | 0.966794 | 1 |
| B2KGP3;Q80TLO Protein phosphatase 1E Ppm1e                    | 26.171  | 26.14   | 18 | 83.418 | 99.171 | 198  | 0.905806 | 1 |
| Q3TDM8;E9Q855;C Secretory carrier-associated memb Scamp3;Tu52 | 24.567  | 24.8395 | 5  | 34.576 | 38.992 | 38   | 0.474081 | 1 |
| Q3UWP8;B2MWM: Calreticulin Calr                               | 28.2964 | 28.4272 | 22 | 42.195 | 323.31 | 652  | 0.801306 | 1 |
| B2RPS1;Q0PD56;P: Ras-related protein Rab-5B Rab5b             | 23.1329 | 24.7432 | 9  | 23.707 | 64.211 | 116  | 0.358412 | 1 |
| B2RQ71;E9PWR4;Q69ZV2;B7ZMZ7;Q6PGL8;Q6NY04;C Dip2c             | 24.643  | 24.4904 | 22 | 170.92 | 26.917 | 48   | 0.698326 | 1 |
| B9EKN8;B2RQ80;E: Traf2 and NCK-interacting protein I Tnik     | 24.3784 | 24.0632 | 19 | 154.01 | 14.447 | 22   | 0.420686 | 1 |
| Q8C000;B2RQA0;Q3UBB6;Q8CE21;Q3U6W2;Q3UI16 Gm5124;Nolc1        | 20.9432 | 22.2299 | 2  | 49.282 | 4.048  | 14   | 0.380828 | 1 |
| E9QAI5;B2RQC6;G: CAD protein;Glutamine-dependent Cad          | 22.2397 | 22.2392 | 9  | 236.25 | 11.069 | 11   | 0.999538 | 1 |
| B2RQD1;Q99MX7 Cat eye syndrome critical region pr Cecr6       | 21.4573 | 21.6746 | 5  | 58.158 | 16.662 | 16   | 0.879076 | 1 |
| B2RQQ5;P14873 Microtubule-associated protein 1B Map1b         | 30.1563 | 29.9673 | 92 | 270.3  | 323.31 | 1859 | 0.52223  | 1 |
| B2RQQ7;Q7TT50 Non-specific serine/threonine prot Cdc42bbp     | 25.2549 | 25.7868 | 35 | 194.73 | 149.37 | 104  | 0.419016 | 1 |
| B2RQQ8;P08122 Collagen alpha-2(IV) chain;Canstati Col4a2      | 22.758  | 22.5475 | 5  | 167.32 | 38.365 | 14   | 0.898961 | 1 |
| D3Z7V4;Q3TDT4;B: Small G protein signaling modulato Sgsm1     | 23.6645 | 23.1571 | 8  | 76.391 | 26.072 | 18   | 0.132313 | 1 |
| B2RQS1;Q9ERG2 Striatin-3 Strn3                                | 24.4253 | 24.1033 | 11 | 77.731 | 33.369 | 28   | 0.315586 | 1 |
| Q80TG5;E9QNG1;B Intersectin-2 mKIAA1256;Itsr                  | 22.8174 | 22.2902 | 7  | 175.54 | 7.5057 | 9    | 0.367614 | 1 |

|                  |                                      |                  |         |         |    |        |        |      |          |   |
|------------------|--------------------------------------|------------------|---------|---------|----|--------|--------|------|----------|---|
| B2RRE0;Q9WTQ5    | A-kinase anchor protein 12           | Akap12           | 22.686  | 22.0919 | 10 | 180.69 | 12.409 | 14   | 0.634631 | 1 |
| K3W4L0;B2RRE2;E9 | Unconventional myosin-XVIIIa         | Myo18a           | 27.123  | 27.2845 | 59 | 230.99 | 263.89 | 345  | 0.456232 | 1 |
| B2RRH9;Q3THK7    | GMP synthase [glutamine-hydrolyz     | Gmps             | 25.8582 | 25.8113 | 26 | 76.723 | 103.97 | 172  | 0.915853 | 1 |
| B2RRU7;Q9ESM3    | Hyaluronan and proteoglycan link     | Hapl2            | 20.7226 | 20.7559 | 3  | 37.925 | 2.1174 | 6    | 0.976375 | 1 |
| Q3UAF7;Q3U5R4;B  | Actin, cytoplasmic 1;Actin, cytoplas | Actb             | 33.8278 | 33.7229 | 31 | 41.75  | 323.31 | 7296 | 0.672127 | 1 |
| B2RRX2;P63328    | Serine/threonine-protein phosphat    | Ppp3ca           | 30.0079 | 30.0058 | 26 | 58.643 | 323.31 | 1385 | 0.941394 | 1 |
| B2RRY8;Q8BGZ1;F2 | Hippocalcin-like protein 4           | Hpcal4           | 26.8189 | 25.0989 | 15 | 22.215 | 50.764 | 189  | 0.426779 | 1 |
| B2RS27;P27671    | Ras-specific guanine nucleotide-rel  | Rasgrf1          | 22.5625 | 22.8041 | 5  | 144.1  | 10.061 | 20   | 0.876141 | 1 |
| B2RS41;Q8BWF0    | Succinate-semialdehyde dehydrogen    | Aldh5a1          | 28.0297 | 28.0662 | 25 | 55.968 | 323.31 | 573  | 0.917926 | 1 |
| B2RSC8;P46935    | E3 ubiquitin-protein ligase NEDD4    | Nedd4            | 24.1366 | 23.3825 | 18 | 102.71 | 49.906 | 65   | 0.312755 | 1 |
| B2RSH2           | Guanine nucleotide-binding protein   | Gnai1            | 28.9541 | 28.9316 | 23 | 40.361 | 323.31 | 1136 | 0.86069  | 1 |
| B2RSR7;Q3ULJ0    | Glycerol-3-phosphate dehydrogen      | Gpd1l            | 25.9921 | 25.7386 | 20 | 38.225 | 103.46 | 147  | 0.784142 | 1 |
| B2RSV4;Q921M3    | Splicing factor 3B subunit 3         | Sf3b3            | 25.3705 | 25.395  | 20 | 135.55 | 79.447 | 58   | 0.931918 | 1 |
| B2RSY3;Q640R3    | Hepatocyte cell adhesion molecule    | Hepacam          | 25.7358 | 25.6875 | 10 | 46.366 | 79.207 | 162  | 0.871648 | 1 |
| B2RT97;Q9WVJ2;E9 | 26S proteasome non-ATPase regul      | Psmc13           | 25.7475 | 25.6149 | 21 | 42.809 | 78.906 | 153  | 0.383817 | 1 |
| B2RTG7;E0CYH4;Q9 | WD repeat-containing protein 26      | Wdr26            | 21.8531 | 21.5503 | 6  | 58.563 | 9.1291 | 17   | 0.545453 | 1 |
| Q3UEU2;B2RTJ8;O9 | Nocturnin                            | Ccrn4l           | 20.7018 | 20.831  | 3  | 48.27  | 2.3773 | 5    | 0.620402 | 1 |
| B2RTM0;P62806;Q9 | Histone H4                           | Hist2h4;Hist1h4  | 30.9826 | 29.3189 | 12 | 11.367 | 279.92 | 973  | 0.470651 | 1 |
| B2RTN5;Q91YM2;C9 | Rho GTPase-activating protein 35     | Arhgap35         | 24.8768 | 24.5607 | 17 | 170.39 | 34.022 | 39   | 0.275995 | 1 |
| B2RUC7;Q9Z1Z2    | Serine-threonine kinase receptor-a   | Strap            | 25.3433 | 25.2796 | 18 | 38.442 | 115.63 | 151  | 0.779661 | 1 |
| Q3TWM9;Q3UAS4;P9 | Prosaposin                           | Psap             | 23.9481 | 24.4715 | 10 | 58.298 | 19.737 | 53   | 0.502606 | 1 |
| B2RUE0;Q9Z0V1;Q9 | Potassium voltage-gated channel s    | Kcnd3            | 21.5895 | 22.1465 | 5  | 73.461 | 4.0651 | 8    | 0.524295 | 1 |
| B2RUG6;P59764;Q9 | Dedicator of cytokinesis protein 4   | Dock4            | 23.2128 | 22.6743 | 11 | 222.19 | 14.282 | 15   | 0.661332 | 1 |
| Q3UH26;B2RUJ5    | Amyloid beta A4 precursor protein    | Apba1            | 23.1129 | 22.1855 | 5  | 93.064 | 32.337 | 19   | 0.47902  | 1 |
| B2RUK5;Q3ULD5;Q9 | Methylcrotonoyl-CoA carboxylase I    | Mccc2            | 24.5324 | 24.4556 | 17 | 61.378 | 44.352 | 75   | 0.841265 | 1 |
| B2RVP5;Q3THW5;F9 | Histone H2A;Histone H2A.V;Histon     | H2afv;H2afz      | 24.7609 | 22.9459 | 4  | 13.509 | 5.1765 | 48   | 0.417311 | 1 |
| B2RWB7;Q8BZA9    | Fructose-2,6-bisphosphatase          | TIGAF1           | 20.7675 | 21.0951 | 3  | 29.19  | 4.2229 | 9    | 0.444251 | 1 |
| B2RWC4           | Gm88 protein                         | Lrrc73           | 22.5193 | 23.0537 | 5  | 33.455 | 33.83  | 28   | 0.439268 | 1 |
| F8WIX8;Q149V4;B2 | Histone H2A;Histone H2A type 2-C;    | Hist1h2al;Hist2l | 30.8852 | 29.718  | 6  | 13.607 | 63.782 | 508  | 0.553866 | 1 |
| Q80UJ8;B2RWI2;Q9 | Serine beta-lactamase-like protein   | Lactb            | 23.9462 | 23.5286 | 13 | 60.634 | 47.555 | 68   | 0.284632 | 1 |
| B2RWT9;Q8CJH3    | Plexin-B1                            | Plxnb1           | 22.3076 | 22.811  | 8  | 231.44 | 21.342 | 21   | 0.660758 | 1 |
| Q3UGY4;Q3UGX2;E9 | Spectrin beta chain, erythrocytic    | Sptb             | 26.4364 | 26.4868 | 72 | 268.09 | 135.77 | 262  | 0.904574 | 1 |
| E9Q5N7;B2RX09;Q9 | Neurexin-2                           | Nrxn2            | 24.1316 | 24.147  | 13 | 163.06 | 19.632 | 42   | 0.951378 | 1 |

|                  |   |         |         |    |        |        |      |          |   |
|------------------|---|---------|---------|----|--------|--------|------|----------|---|
| B2RX66;Q5F2E8    | Serine/threonine-protein kinase TA Taok1        | 23.141  | 23.1303 | 9  | 116.05 | 15.837 | 31   | 0.973494 | 1 |
| B2RXC1           | Trafficking protein particle comple: Trappc11   | 23.5885 | 23.4254 | 9  | 128.39 | 22.858 | 19   | 0.697045 | 1 |
| B7ZW12;B2RXM7;Q  | SAP domain-containing ribonucleoq 1110005A23Rik | 20.8957 | 21.578  | 6  | 23.461 | 10.66  | 11   | 0.349173 | 1 |
| I7HPV9;B9EKR4;B2 | Phosphatidylinositol 3,4,5-trisphos Prex1       | 22.0711 | 21.8858 | 5  | 166.21 | 10.109 | 14   | 0.791252 | 1 |
| B2RXQ8;Q8BFQ4    | WD repeat-containing protein 82 Wdr82           | 20.9325 | 20.9919 | 7  | 35.079 | 8.5978 | 8    | 0.917814 | 1 |
| B2RY05;B2RXR2;Q  | Phosphoinositide 3-kinase regulatc Pik3r4       | 23.6127 | 23.022  | 11 | 133.91 | 24.195 | 31   | 0.436732 | 1 |
| B2RXS4;Q8CHG6;Q  | Plexin-B2 Plxnb2;mKIAA0                         | 23.5033 | 23.6158 | 8  | 206.23 | 19.728 | 24   | 0.545674 | 1 |
| B2RXT3;E9Q7L0    | Oxoglutarate dehydrogenase-like Ogdhl           | 28.3126 | 28.42   | 45 | 114.56 | 323.31 | 659  | 0.62238  | 1 |
| B2RXY7;P48758    | Carbonyl reductase [NADPH] 1 Cbr1               | 24.4303 | 27.596  | 18 | 30.641 | 244.59 | 470  | 0.324021 | 1 |
| B2RY56;S4R2B0;Q  | RNA-binding protein 25 Rbm25                    | 24.0439 | 23.9806 | 6  | 99.551 | 7.9022 | 22   | 0.853288 | 1 |
| B2RY90;P85094    | Isochorismatase domain-containin; Isoc2a        | 23.1985 | 23.1213 | 4  | 22.387 | 45.735 | 85   | 0.977756 | 1 |
| B7FAU9;Q8BTM8;E  | Filamin-A Flna                                  | 26.5111 | 26.7878 | 62 | 280.5  | 264.17 | 262  | 0.539795 | 1 |
| B7U582;P17156    | Heat shock-related 70 kDa protein Hspa2         | 25.9332 | 25.9798 | 34 | 69.723 | 159.68 | 205  | 0.90701  | 1 |
| B7ZBW1;B7ZBV9;Q  | Potassium voltage-gated channel s Kcnq2         | 22.8777 | 22.8511 | 6  | 93.938 | 11.43  | 18   | 0.96185  | 1 |
| Q569Y6;B7ZBY7;E9 | Ubiquitin-conjugating enzyme E2 v Ube2v1;Gm204  | 24.384  | 22.572  | 8  | 16.355 | 9.7419 | 12   | 0.244323 | 1 |
| B7ZCU2;B7ZCU5;Q  | Abl interactor 1 Abi1                           | 26.1364 | 25.9086 | 17 | 43.174 | 76.968 | 121  | 0.262419 | 1 |
| B7ZNA3;Q6GYP7    | Ral GTPase-activating protein subu Ralgapa1     | 22.4986 | 22.821  | 10 | 234.38 | 19.398 | 22   | 0.835263 | 1 |
| B7ZNF6;E9QKH8;O  | Catenin delta-2 Ctnnd2                          | 26.7025 | 26.5911 | 38 | 132.36 | 228.36 | 304  | 0.448315 | 1 |
| B7ZNJ3           | Caskin1 protein Caskin1                         | 26.8118 | 26.6158 | 39 | 142.67 | 171.23 | 221  | 0.434659 | 1 |
| Q545R3;Q3TSR4;B  | Protein NDRG1 Ndr1                              | 24.1532 | 24.048  | 9  | 43.008 | 51.004 | 41   | 0.828952 | 1 |
| B9EKE9;B7ZWF1;Q  | ATP-dependent RNA helicase DDX3 Ddx3x;D1Pas1    | 24.4    | 24.2921 | 25 | 73.013 | 53.487 | 46   | 0.457736 | 1 |
| B8QI34;Q5DTM9;Q  | Liprin-alpha-2 Ppfia2                           | 22.2293 | 23.1858 | 13 | 143.33 | 16.074 | 26   | 0.40074  | 1 |
| B8X349;Q58A65;A  | C-Jun-amino-terminal kinase-interc Spag9        | 22.5338 | 23.7544 | 14 | 146.13 | 19.954 | 33   | 0.369516 | 1 |
| B9EHJ3;P39447;A0 | Tight junction protein ZO-1 Tjp1                | 24.2501 | 23.8429 | 14 | 188.85 | 32.107 | 34   | 0.538272 | 1 |
| B9EHN0;Q02053    | Ubiquitin-like modifier-activating e Uba1       | 30.5924 | 30.5001 | 53 | 117.81 | 323.31 | 2045 | 0.735982 | 1 |
| B9EHZ5;Q3UN60;Q  | MAGUK p55 subfamily member 6 Mpp6               | 25.3784 | 25.3685 | 23 | 60.924 | 72.828 | 134  | 0.966095 | 1 |
| B9EIC7;Q8K0S0    | Phytanoyl-CoA hydroxylase-interac Phyhip        | 27.221  | 27.3169 | 18 | 37.554 | 323.31 | 448  | 0.709135 | 1 |
| B9EIE9;P46664    | Adenylosuccinate synthetase isozy Adss          | 24.0763 | 23.9984 | 12 | 50.02  | 62.583 | 123  | 0.744081 | 1 |
| B9EIU1;Q8CGC7    | Bifunctional glutamate/proline--tRI Eprs        | 26.4864 | 26.5925 | 35 | 169.96 | 131.73 | 178  | 0.625668 | 1 |
| Q8CHF0;B9EIU3;Q  | Attractin Atrn                                  | 22.5943 | 22.5272 | 3  | 118.29 | 5.9558 | 9    | 0.873154 | 1 |
| Q3UH37;B9EIV5;F7 | Neuronal pentraxin receptor Nptxr               | 23.9032 | 23.8249 | 11 | 51.22  | 43.317 | 78   | 0.880238 | 1 |
| B9EIX2;Q80U49    | Centrosomal protein of 170 kDa pr Cep170b       | 23.5209 | 23.9073 | 15 | 166.86 | 19.521 | 24   | 0.352009 | 1 |
| B9EJ15;Q8C5W0;Q  | Calmin Clmn                                     | 21.5385 | 21.2787 | 4  | 117.19 | 4.2233 | 5    | 0.652139 | 1 |

|   |  |         |         |    |        |        |     |          |   |
|---|--|---------|---------|----|--------|--------|-----|----------|---|
| B9EJ23;B7ZP42;A0A067XG53                    | Cask                                       | 26.0956 | 26.1169 | 25 | 100.19 | 70.626 | 138 | 0.926845 | 1 |
| B9EJ29;Q80UG2                               | Plexin-A4 Plxna4                           | 25.3323 | 25.4642 | 37 | 212.23 | 71.407 | 93  | 0.605515 | 1 |
| Q3UMB1;B9EJ80                               | PDZ domain-containing protein 8 Pdzd8      | 21.3308 | 20.862  | 2  | 127.77 | 2.6975 | 5   | 0.110992 | 1 |
| B9EJ96;E9QAQ3;Q                             | Rho GTPase-activating protein 26 Arhgap26  | 22.8027 | 23.0274 | 10 | 82.238 | 19.383 | 29  | 0.346052 | 1 |
| R7RU63;R7RVD4;B                             | Cortactin-binding protein 2 Cctnbp2        | 24.5049 | 24.1839 | 21 | 67.548 | 53.63  | 60  | 0.161496 | 1 |
| G3UYU6;G3UX60;G                             | Protein-tyrosine-phosphatase;Recep Ptprd   | 24.0344 | 23.9    | 26 | 168.34 | 38.478 | 51  | 0.760667 | 1 |
| B9EKC3;E9PYT0;P9                            | Rho GTPase-activating protein 5 Arhgap5    | 23.7275 | 23.3244 | 10 | 172.44 | 15.946 | 17  | 0.30899  | 1 |
| B9EKJ7;P58871;Z4                            | 182 kDa tankyrase-1-binding prote Tnks1bp1 | 24.6119 | 24.4845 | 13 | 181.82 | 39.075 | 56  | 0.674035 | 1 |
| B9EKR1;Q9WUT8;A                             | Receptor-type tyrosine-protein pho Ptpnz1  | 28.0835 | 27.9555 | 23 | 254.4  | 142.94 | 399 | 0.749249 | 1 |
| C1IE02;Q8VCD6                               | Receptor expression-enhancing pro Reep2    | 24.8954 | 24.8265 | 7  | 28.251 | 59.498 | 41  | 0.864319 | 1 |
| Q6P9M2;Q7TNB5;C                             | Glutamate receptor 1 Gria1                 | 25.7434 | 25.7473 | 22 | 101.46 | 66.813 | 127 | 0.971954 | 1 |
| C9K0Z6;O88507;Q                             | Ciliary neurotrophic factor recepto Cntfr  | 24.7921 | 24.5851 | 7  | 40.859 | 53.744 | 65  | 0.175946 | 1 |
| C9K0Z7;O35465                               | Peptidyl-prolyl cis-trans isomerase Fkbp8  | 22.7645 | 23.1821 | 9  | 38.412 | 61.109 | 53  | 0.782003 | 1 |
| C9K0Z8;O88703                               | Potassium/sodium hyperpolarizati Hcn2      | 22.6704 | 22.1917 | 7  | 94.711 | 7.0373 | 12  | 0.671243 | 1 |
| Q14DQ3;C9K101;Q                             | Serine/threonine-protein kinase M Mark1    | 22.8899 | 22.7697 | 15 | 88.315 | 23.371 | 25  | 0.737707 | 1 |
| U3RKD2;D3Y273;H                             | Anion exchange protein;Sodium bio Slc4a7   | 23.54   | 23.6379 | 5  | 113.31 | 4.7796 | 63  | 0.807013 | 1 |
| D3Z495;D3YTL8;Q5                            | Protein spire homolog 1 Spire1             | 20.3855 | 20.5242 | 3  | 59.39  | 3.6425 | 8   | 0.537382 | 1 |
| D3YTP3                                      | Metaxin 3 Mtx3                             | 21.0882 | 21.8857 | 5  | 34.89  | 7.9125 | 22  | 0.303718 | 1 |
| D3YTP8;Q9D181;Q                             | U6 snRNA-associated Sm-like prote Lsm4     | 21.4133 | 20.8616 | 3  | 11.072 | 4.1832 | 10  | 0.487428 | 1 |
| F6VQH5;D3YTQ3;Q                             | Heterogeneous nuclear ribonucleo Hnrnpdl   | 23.6401 | 23.5062 | 8  | 35.534 | 32.995 | 72  | 0.68474  | 1 |
| D3YTQ9;Q3UK70;P                             | 40S ribosomal protein S15 Rps15            | 25.1126 | 24.2457 | 5  | 13.742 | 20.339 | 29  | 0.599879 | 1 |
| D3YTS3;Q68FD9                               | UPF0606 protein KIAA1549 D630045J12Rik     | 24.5226 | 24.3033 | 10 | 193.99 | 16.07  | 53  | 0.581927 | 1 |
| Q3UE85;D3YTT3;Q                             | Vesicular glutamate transporter 3 Slc17a8  | 25.0974 | 24.8338 | 2  | 39.044 | 27.847 | 32  | 0.89972  | 1 |
| D3YTU2;Q3U0K8                               | Prolyl 3-hydroxylase OGFOD1 Ogfod1         | 21.0136 | 20.7057 | 1  | 61.159 | 9.2485 | 8   | 0.737323 | 1 |
| D3YU23;D3Z6J2;D3                            | Latrophilin-3 Adgrl3;Lphn3                 | 25.8237 | 25.5442 | 14 | 138.08 | 42.481 | 75  | 0.317155 | 1 |
| D3YU12;Q8K2T1;G                             | NmrA-like family domain-containin Nmral1   | 21.1641 | 21.9618 | 6  | 33.081 | 5.6131 | 21  | 0.132505 | 1 |
| Q3UEQ1;E9Q9A0;F6V2U0;D3YUD3;D3YUL8;D3Z230;F | Inpp4a                                     | 25.3123 | 25.2681 | 20 | 99.971 | 49.538 | 98  | 0.912446 | 1 |
| D3YUM1;Q91YT0;L                             | NADH dehydrogenase [ubiquinone Ndufv1      | 28.1133 | 28.0864 | 25 | 49.913 | 323.31 | 770 | 0.949007 | 1 |
| D3YUP9;D6QSS8;Q                             | Disintegrin and metalloproteinase Adam22   | 25.6332 | 25.9392 | 22 | 99.558 | 114.04 | 194 | 0.274854 | 1 |
| Q3TCW5;D3YUV1;C                             | Nuclear receptor-binding protein Nrpb1     | 21.5489 | 21.2514 | 4  | 59.851 | 7.2624 | 15  | 0.533246 | 1 |
| D3YUY3;F8WI18;P7                            | Phosphatidylinositol 4-phosphate 5 Pip5k1a | 21.9993 | 21.3452 | 7  | 55.36  | 9.3041 | 12  | 0.366732 | 1 |
| Q3TDT0;D3YUY7;Q                             | Tripartite motif-containing protein Trim3  | 24.2497 | 24.5409 | 19 | 78.271 | 162.68 | 53  | 0.565212 | 1 |
| H3BIV5;D3YVF0                               | A-kinase anchor protein 5 Akap5            | 27.2486 | 27.2823 | 20 | 80.202 | 303.2  | 234 | 0.913684 | 1 |

|                  |   |         |         |     |        |        |      |          |   |
|------------------|---|---------|---------|-----|--------|--------|------|----------|---|
| D3YVU0;P62069;Q  | Ubiquitin carboxyl-terminal hydrolase Usp46;Usp12 | 21.6262 | 21.1354 | 4   | 39.499 | 4.5322 | 31   | 0.132858 | 1 |
| G3UYX3;D3YVV7    | Neuro-oncological ventral antigen 1 Nova2         | 23.7805 | 23.8298 | 13  | 49.066 | 39.388 | 50   | 0.889656 | 1 |
| D3YWJ4;Q8K2I1    | Protein farnesyltransferase subunit Fntb          | 21.0641 | 20.743  | 3   | 52.784 | 7.6095 | 21   | 0.578135 | 1 |
| E9QMU3;D3YWN7;   | Enscopin Map7                                     | 20.7554 | 20.7738 | 4   | 82.843 | 5.9613 | 5    | 0.980335 | 1 |
| S4R2G0;D3Z519;D  | Diacylglycerol kinase Dgki                        | 21.7837 | 21.9701 | 4   | 93.01  | 4.9715 | 12   | 0.847293 | 1 |
| D3YWR1;Q9CRC9    | Glucosamine-6-phosphate isomerase Gnpda2          | 20.77   | 20.9181 | 5   | 30.523 | 3.8818 | 8    | 0.821247 | 1 |
| D3YWT1;D3Z3N4    | Heterogeneous nuclear ribonucleoprotein Hnrnp3    | 22.0239 | 22.3072 | 7   | 35.181 | 14.75  | 25   | 0.557733 | 1 |
| D3YX27;Q3TXN0;Q  | Serine protease HTRA2, mitochondrial Htra2        | 21.7253 | 21.7314 | 8   | 45.822 | 9.3035 | 19   | 0.985686 | 1 |
| S4R1M2;D3YXK2    | Scaffold attachment factor B1 Safb                | 23.475  | 23.7    | 10  | 105.32 | 16.694 | 27   | 0.700897 | 1 |
| D3YXZ3;Q91YS4;O  | Kinesin light chain 2 Klc2                        | 23.9418 | 23.5623 | 19  | 68.176 | 73.974 | 47   | 0.074373 | 1 |
| D3YYE1;D3Z7M9;O  | Acidic leucine-rich nuclear phosphoprotein Anp32a | 24.2582 | 26.3589 | 12  | 22.954 | 127.51 | 207  | 0.349088 | 1 |
| D3YYK8;E9Q6X0;Q  | Microtubule-associated protein RP, Mapre2         | 25.5838 | 25.6402 | 18  | 29.425 | 216.29 | 212  | 0.899008 | 1 |
| E9Q3B9;D3YYS6;Q  | Monoglyceride lipase Mgl1                         | 25.4807 | 25.6883 | 17  | 35.256 | 156.88 | 308  | 0.429308 | 1 |
| D3YYT0;Q8BSI9;Q3 | Cadherin-2 Cdh2                                   | 26.0233 | 25.8364 | 14  | 93.856 | 96.738 | 144  | 0.74673  | 1 |
| D3Z7G3;D3YX8;D   | Uncharacterized protein C10orf35 2010107G23Rik    | 22.289  | 22.0909 | 3   | 10.843 | 13.037 | 18   | 0.873479 | 1 |
| D3YZ62;D3Z4J3;Q9 | Unconventional myosin-Va Myo5a                    | 29.9285 | 29.869  | 106 | 212.33 | 323.31 | 1580 | 0.801635 | 1 |
| E9Q4Q2;D3YZC9;D  | Splicing factor 1 Sf1                             | 22.4723 | 23.6431 | 6   | 59.698 | 40.975 | 27   | 0.434147 | 1 |
| D3YZI9;D3Z077;G3 | PiggyBac transposable element-derived Pgbd5       | 22.335  | 22.8782 | 7   | 58.3   | 8.9768 | 9    | 0.507505 | 1 |
| D3YZU5;D3YZU4;D  | SH3 and multiple ankyrin repeat domain Shank1     | 26.2762 | 26.0695 | 36  | 225.46 | 205.02 | 167  | 0.513414 | 1 |
| E9Q7G1;D3YZZ5    | Transmembrane p24-trafficking protein Tmed7       | 22.7212 | 22.9897 | 6   | 21.276 | 11.474 | 41   | 0.444763 | 1 |
| D3Z041;P41216    | Long-chain-fatty-acid--CoA ligase 1 Acsl1         | 23.8038 | 23.3574 | 17  | 78.034 | 24.758 | 50   | 0.627025 | 1 |
| D3Z061;Q8C7R4    | Ubiquitin-like modifier-activating enzyme Uba6    | 23.8361 | 23.8164 | 12  | 114.77 | 20.917 | 29   | 0.971145 | 1 |
| F6XC54;D3Z074;E9 | Protein diaphanous homolog 1 Diap1;Diaph1         | 22.8228 | 23.1338 | 11  | 135.84 | 21.017 | 29   | 0.696558 | 1 |
| D3Z2Q2;D3Z079;Q  | Syntaxin-binding protein 5 Stxbp5                 | 26.4682 | 26.418  | 21  | 121.71 | 50.344 | 155  | 0.834186 | 1 |
| D3Z0F5;Q3UIT2;O8 | COP9 signalosome complex subunit Cops6            | 24.4454 | 24.3104 | 15  | 33.591 | 82.086 | 134  | 0.855424 | 1 |
| D3Z169;E9PZ19    | Protein turtle homolog B Igsf9b                   | 21.1687 | 21.3887 | 3   | 79.89  | 5.9922 | 13   | 0.703043 | 1 |
| D3Z183;Q8CBH5    | Major facilitator superfamily domain Mfsd6        | 21.7789 | 21.9136 | 4   | 87.827 | 8.2912 | 13   | 0.789015 | 1 |
| D3Z1H9;Q7TMS6;C  | Glycolipid transfer protein Gltp                  | 23.3637 | 21.078  | 5   | 21.535 | 8.0312 | 17   | 0.080342 | 1 |
| F6QL70;Q5M8M8;I  | 60S ribosomal protein L29 Gm17669;Rpl29           | 23.8069 | 21.8303 | 4   | 16.966 | 8.1874 | 17   | 0.334063 | 1 |
| E9Q986;D3Z7H6;Q  | Catenin delta-1 Ctnnd1                            | 23.1662 | 22.9683 | 7   | 92.477 | 50.731 | 29   | 0.535217 | 1 |
| D3Z2J6;Q9D710    | Thioredoxin-related transmembrane protein Tmx2    | 25.028  | 25.2438 | 5   | 29.591 | 24.655 | 98   | 0.641515 | 1 |
| D3Z3M7;D3Z2Z1;F  | CAP-Gly domain-containing linker protein Clip1    | 26.1917 | 25.999  | 33  | 148    | 90.649 | 90   | 0.510337 | 1 |
| D3Z396;Q8BG33;Q  | Neurotrimin Ntm                                   | 27.8025 | 27.6025 | 12  | 34.954 | 155.89 | 352  | 0.368653 | 1 |

|                  |   |          |         |         |    |        |        |      |          |   |
|------------------|---|----------|---------|---------|----|--------|--------|------|----------|---|
| D3Z3A0;Q9DCL8;Q  | Protein phosphatase inhibitor 2                 | Ppp1r2   | 22.4266 | 23.2756 | 4  | 21.919 | 5.0345 | 11   | 0.259159 | 1 |
| D3Z3B8           | Disks large homolog 1                           | Dlg1     | 26.2661 | 26.3943 | 33 | 91.622 | 127.81 | 237  | 0.558236 | 1 |
| D3Z3Z3;Q8K5A7;P  | Voltage-dependent L-type calcium                | Cacnb3   | 22.2673 | 22.4297 | 5  | 54.395 | 9.8305 | 23   | 0.58827  | 1 |
| D3Z4C9;Q9CQY6;D  | Ubiquinol-cytochrome-c reductase                | Uqcc2    | 21.9632 | 20.6521 | 3  | 15.363 | 5.9422 | 7    | 0.224012 | 1 |
| D3Z4E2;Q8CFV4    | Neuritin  | Nrn1     | 21.5902 | 21.2425 | 4  | 17.007 | 5.4122 | 15   | 0.795889 | 1 |
| D3Z4S6;Q922P8    | Transmembrane protein 132A                      | Tmem132a | 21.5955 | 21.2971 | 5  | 74.772 | 11.36  | 12   | 0.624306 | 1 |
| D3Z5R4;E9Q2D0;P  | WAS/WASL-interacting protein fam                | Wipf3    | 22.9717 | 22.4516 | 6  | 45.137 | 17.979 | 25   | 0.220997 | 1 |
| D3Z645;Q9QZ88;D  | Vacuolar protein sorting-associated             | Vps29    | 26.5468 | 24.1708 | 8  | 16.137 | 29.515 | 140  | 0.331704 | 1 |
| E9Q7S0;F7BQW7;D  | Synaptojanin-1                                  | Synj1    | 30.2241 | 30.1602 | 64 | 144.59 | 323.31 | 1607 | 0.527237 | 1 |
| D3Z6H3;Q9WUB4;I  | Dynactin subunit 6                              | Dctn6    | 21.9007 | 21.8085 | 3  | 20.041 | 2.8424 | 12   | 0.955172 | 1 |
| D3Z6I4;Q921W4;D  | Quinone oxidoreductase-like prote               | Cryz11   | 22.5016 | 22.7893 | 7  | 37.007 | 16.989 | 34   | 0.016223 | 1 |
| E9QAS9;Q547R0;E  | Fragile X mental retardation protei             | Fmr1     | 21.7607 | 21.6789 | 6  | 65.918 | 16.928 | 22   | 0.882621 | 1 |
| F8WI56;D3Z7D3;Q  | Disco-interacting protein 2 homolo              | Dip2a    | 22.3502 | 22.116  | 14 | 169.52 | 8.3774 | 10   | 0.868383 | 1 |
| D3Z7E5;Q2NL51    | Glycogen synthase kinase-3 alpha                | Gsk3a    | 23.9818 | 23.8681 | 15 | 51.245 | 37.236 | 92   | 0.790429 | 1 |
| D3Z7P0;Q8K3W0;A  | BRCA1-A complex subunit BRE                     | Bre      | 21.5467 | 21.4863 | 4  | 43.749 | 4.2688 | 11   | 0.824613 | 1 |
| D3Z7P3;D3Z7P4    | Glutaminase kidney isoform, mitoc               | Gls      | 29.243  | 29.2883 | 36 | 73.963 | 323.31 | 965  | 0.639808 | 1 |
| D3Z7W0;Q9D7P6;I  | Iron-sulfur cluster assembly enzym              | Iscu     | 21.0163 | 21.5785 | 3  | 22.109 | 3.9523 | 8    | 0.665637 | 1 |
| G3X922;D4AFX7    | DnaJ heat shock protein family (Hs)             | Dnajc13  | 22.4809 | 21.8802 | 11 | 254.44 | 20.647 | 19   | 0.52003  | 1 |
| E0CXB9;Q61301    | Catenin alpha-2                                 | Ctnna2   | 27.7987 | 27.5257 | 41 | 106.73 | 323.31 | 358  | 0.571638 | 1 |
| E0CXN5;P13707    | Glycerol-3-phosphate dehydrogenase              | Gpd1     | 25.6259 | 25.9699 | 22 | 35.231 | 95.511 | 233  | 0.495371 | 1 |
| E0CXZ1;J3QM95;F  | FSD1-like protein                               | Fsd1l    | 21.3544 | 20.7647 | 4  | 55.339 | 5.0928 | 13   | 0.314084 | 1 |
| E0CY16           | Cell adhesion molecule 1                        | Cadm1    | 21.809  | 22.2152 | 12 | 42.892 | 7.2756 | 24   | 0.53888  | 1 |
| E9Q6Q2;E9QM19;E  | Serine/threonine-protein kinase W               | Wnk2     | 24.2047 | 23.07   | 13 | 211.11 | 53.2   | 40   | 0.290882 | 1 |
| Q545L9;F7D432;E9 | Protein-L-isoaspartate O-methyltra              | Pcmt1    | 25.31   | 27.2439 | 15 | 24.634 | 217.51 | 257  | 0.394792 | 1 |
| E0CYX9;Q3TC33;E0 | Coiled-coil domain-containing prot              | Ccdc127  | 21.892  | 22.4275 | 9  | 27.735 | 14.022 | 10   | 0.609956 | 1 |
| E0CZ27;P84244;P0 | Histone H3;Histone H3.3;Histone HH3f3a;H3f3c;Hi |          | 29.6505 | 27.5696 | 6  | 13.322 | 35.709 | 195  | 0.36112  | 1 |
| E0CZ72;P28740;F8 | Kinesin-like protein;Kinesin-like prc           | Kif2a    | 24.9529 | 25.186  | 24 | 83.86  | 49.741 | 134  | 0.50794  | 1 |
| E0CZ78;P48453;G3 | Serine/threonine-protein phosphat               | Ppp3cb   | 26.5255 | 26.5454 | 24 | 59.074 | 295.33 | 228  | 0.916276 | 1 |
| E0CZE0;Q3UK27;Q  | NEDD8-activating enzyme E1 regul                | Nae1     | 24.3056 | 24.421  | 16 | 57.619 | 67.45  | 82   | 0.206122 | 1 |
| Q3U967;E5Q371;Q  | Leukocyte surface antigen CD47                  | Cd47     | 25.2915 | 25.2984 | 4  | 33.097 | 37.379 | 156  | 0.991702 | 1 |
| F6S7W6;E9PU87;Q  | Serine/threonine-protein kinase SII             | Sik3     | 22.3171 | 22.5255 | 9  | 144.79 | 20.237 | 25   | 0.646994 | 1 |
| E9PUA3           | IQ motif and SEC7 domain-containi               | Iqsec1   | 26.6194 | 26.5475 | 35 | 122.65 | 197.44 | 173  | 0.744497 | 1 |
| E9PUC5;F6Z9E6;A0 | PH and SEC7 domain-containing pr                | Psd3     | 27.7879 | 27.9735 | 29 | 42.299 | 308.67 | 440  | 0.578935 | 1 |

|                                    |                                     |               |         |         |    |        |        |     |          |   |
|------------------------------------|-------------------------------------|---------------|---------|---------|----|--------|--------|-----|----------|---|
| E9PUD2                             | Dynamin-1-like protein              | Dnm1l         | 21.6509 | 22.0223 | 46 | 79.532 | 5.3044 | 10  | 0.624866 | 1 |
| E9PUE7;Q5SSL4                      | Active breakpoint cluster region-re | Abr           | 26.3329 | 26.2024 | 27 | 92.486 | 186.14 | 200 | 0.71222  | 1 |
| E9PUL5                             | Proline-rich transmembrane protei   | Prprt2        | 26.7166 | 27.0928 | 7  | 35.923 | 260.5  | 333 | 0.419137 | 1 |
| E9PUM4;Q68FD6;C                    | MKIAA0320 protein                   | Tln2          | 28.3883 | 28.2055 | 89 | 271.66 | 323.31 | 664 | 0.079118 | 1 |
| Q2M4H5;E9PV12;C                    | Cullin-5                            | Cul5          | 24.8136 | 24.7476 | 22 | 90.973 | 82.195 | 90  | 0.70225  | 1 |
| E9PV44;O35143                      | ATPase inhibitor, mitochondrial     | Atpif1        | 21.9747 | 21.5879 | 7  | 8.7887 | 17.629 | 11  | 0.671574 | 1 |
| Q3U316;E9PV58;Q                    | Transportin-2                       | Tnpo2         | 24.1961 | 24.758  | 18 | 101.44 | 60.06  | 96  | 0.299616 | 1 |
| Q3UHQ5;E9PVA8;Q8CHH7;Q6PGM5;Q640Q4 |                                     | Gcn1l1        | 24.3766 | 24.5751 | 20 | 292.99 | 67.218 | 45  | 0.527588 | 1 |
| Q8C411;Q8BN81;Q                    | Cyclin-dependent kinase 14          | Cdk14         | 21.2062 | 21.4054 | 6  | 38.32  | 4.9664 | 27  | 0.576748 | 1 |
| F8WJB9;E9PVP4;P7                   | Ena/VASP-like protein               | Evl           | 21.7699 | 21.8341 | 9  | 42.893 | 21.052 | 14  | 0.94216  | 1 |
| E9PVU9;F6SV10;E9                   | Bis(5-adenosyl)-triphosphatase      | Fhit          | 22.706  | 21.5293 | 5  | 14.22  | 8.6339 | 24  | 0.392302 | 1 |
| Q3TF41;Q8BSH9;E                    | Nucleosome assembly protein 1-lik   | Nap1l1        | 24.8313 | 24.8706 | 10 | 42.732 | 69.163 | 166 | 0.899763 | 1 |
| Q6PJ87;Q3U844;H                    | Casein kinase I isoform alpha       | Csnk1a1       | 20.8049 | 21.4123 | 7  | 37.567 | 11.602 | 19  | 0.206211 | 1 |
| Q3TT92;E9PWE8;Q                    | Dihydropyrimidinase-related prote   | Dpysl3        | 27.2925 | 27.2862 | 31 | 61.779 | 323.31 | 378 | 0.981723 | 1 |
| E9PWG2;Q69ZT3;Q8BJI6;E9PY51        |                                     | Trappc8       | 23.4463 | 23.6532 | 10 | 160.91 | 22.542 | 20  | 0.292926 | 1 |
| E9PWP6                             | Regulating synaptic membrane exc    | Rims1         | 22.9408 | 23.9336 | 11 | 89.256 | 22.334 | 20  | 0.341911 | 1 |
| Q925I8;E9PX28;E9I                  | OL-protocadherin isoform            | Pcdh10        | 21.6031 | 22.238  | 4  | 113.14 | 7.4423 | 13  | 0.443022 | 1 |
| Q91ZE6;E9PX29;Q                    | Spectrin beta chain                 | Sptbn4        | 24.201  | 24.2604 | 21 | 288.13 | 24.421 | 46  | 0.86103  | 1 |
| F8VPX1;E9PXY8;Q6                   | Ubiquitin carboxyl-terminal hydroly | Usp7          | 25.9792 | 26.1291 | 27 | 128.47 | 81.158 | 214 | 0.6816   | 1 |
| E9PY16;Q6PGM4;Q8BVR8;B7ZMY4;Q8BVS1 |                                     | Adap1         | 25.2846 | 25.3053 | 16 | 43.37  | 64.636 | 184 | 0.823586 | 1 |
| Q8C5C0;E9PYG9;Q                    | Deoxynucleoside triphosphate triph  | Samhd1        | 20.43   | 20.7025 | 2  | 64.003 | 3.182  | 4   | 0.378474 | 1 |
| E9QMK2;E9PYH0;C                    | Versican core protein               | Vcan          | 24.7027 | 24.7016 | 10 | 178.5  | 67.024 | 58  | 0.996043 | 1 |
| E9PYH2;Q91V12                      | Cytosolic acyl coenzyme A thioeste  | Acot7         | 28.2623 | 28.261  | 19 | 42.826 | 214.5  | 636 | 0.985736 | 1 |
| E9PYI8;Q9JMA1;Q                    | Ubiquitin carboxyl-terminal hydroly | Usp14         | 25.9267 | 25.9601 | 23 | 52.318 | 121.91 | 187 | 0.884475 | 1 |
| E9PYJ7                             | Membrane-associated phosphatidy     | Pitpnm2       | 24.7846 | 24.7793 | 25 | 147.62 | 42.356 | 86  | 0.974682 | 1 |
| E9PYL9;Q9CXW4;Q                    | 60S ribosomal protein L11           | Gm10036;Rpl11 | 26.4229 | 24.6069 | 7  | 20.266 | 71.065 | 130 | 0.320032 | 1 |
| Q1WIL9;E9PYN1;Q                    | Cell adhesion molecule 1            | Cadm1         | 26.7507 | 26.603  | 14 | 46.875 | 273.25 | 279 | 0.700397 | 1 |
| E9PZ43;A0A0G2JDI                   | Microtubule-associated protein      | Map4          | 21.9052 | 21.5442 | 14 | 97.795 | 7.4902 | 13  | 0.532216 | 1 |
| E9PZ88;F8WIE1;Q8                   | Alpha-mannosidase;Alpha-mannos      | Man2c1        | 22.5138 | 22.4013 | 11 | 104.68 | 23.904 | 17  | 0.805778 | 1 |
| Q3U6G1;E9PZC3;Q                    | Flavin reductase (NADPH)            | Blvrb         | 23.2049 | 24.7042 | 6  | 22.197 | 48.733 | 57  | 0.561605 | 1 |
| G3X9T8;G3X8Q5;E                    | Ceruloplasmin                       | Cp            | 22.382  | 21.6916 | 8  | 121.08 | 8.53   | 15  | 0.450357 | 1 |
| E9PZF0;Q5NC79;Q                    | Nucleoside diphosphate kinase;Nu    | Gm20390;Nme   | 25.7724 | 23.8607 | 16 | 30.2   | 59.418 | 121 | 0.323136 | 1 |
| E9Q5H2;E9PZF5;Q                    | Acidic leucine-rich nuclear phospho | Anp32e        | 22.5693 | 23.4424 | 5  | 12.078 | 36.797 | 81  | 0.531133 | 1 |

|                  |   |         |         |     |        |        |      |          |   |
|------------------|---|---------|---------|-----|--------|--------|------|----------|---|
| E9PZP8           | HECT and RLD domain-containing E Herc1        | 21.7235 | 21.0555 | 3   | 532.65 | 8.4067 | 6    | 0.345876 | 1 |
| Q5NDA4;E9Q0H6;F  | Fatty acid-binding protein, brain Fabp7       | 24.9788 | 22.9186 | 6   | 14.894 | 13.448 | 41   | 0.368463 | 1 |
| Q3UHE7;F8WGN6;I  | Kinesin-like protein;Kinesin-like prc Kif21a  | 27.4408 | 27.5563 | 42  | 181.4  | 323.31 | 347  | 0.665092 | 1 |
| E9Q0N0;Q9Z0R4;E  | Intersectin-1 Itsn1                           | 26.0409 | 26.097  | 35  | 194.89 | 104.31 | 113  | 0.871035 | 1 |
| E9Q3L1;E9Q174;V  | Unconventional myosin-VI Myo6                 | 26.4072 | 25.9245 | 37  | 145.8  | 82.767 | 129  | 0.520412 | 1 |
| E9Q1G8;Q8C2A3;E  | Septin-7 Sept7                                | 29.1248 | 29.0621 | 31  | 50.648 | 323.31 | 1118 | 0.870662 | 1 |
| Q3UHA5;E9Q1R5;C  | Voltage-dependent P/Q-type calci Cacna1a      | 23.2213 | 22.4257 | 9   | 262.1  | 9.8305 | 14   | 0.624926 | 1 |
| E9Q1S3;Q8C1E4;Q  | Protein transport protein Sec23A Sec23a       | 24.3149 | 24.4996 | 19  | 82.955 | 118.44 | 79   | 0.713061 | 1 |
| E9Q1W0;E9Q1T1;A  | Calcium/calmodulin-dependent prc Camk2d       | 26.1799 | 26.0227 | 23  | 57.748 | 122.41 | 184  | 0.48754  | 1 |
| E9Q1V3;O35435;Q  | Dihydroorotate dehydrogenase (q Dhodh         | 22.3345 | 21.5755 | 6   | 30.325 | 4.5604 | 9    | 0.043708 | 1 |
| E9Q1X8;O08532    | Voltage-dependent calcium channe Cacna2d1     | 20.3925 | 21.7684 | 36  | 123.2  | 4.1311 | 7    | 0.151902 | 1 |
| E9Q2E4           | HECT domain E3 ubiquitin protein I Hectd4     | 24.0325 | 25.2172 | 16  | 484.12 | 42.386 | 62   | 0.349817 | 1 |
| E9Q2W9           | Alpha-actinin-4 Actn4                         | 23.8476 | 23.9751 | 38  | 59.897 | 26.152 | 69   | 0.659568 | 1 |
| E9Q3L2;A0A140T8I | Phosphatidylinositol 4-kinase alph Pi4ka      | 27.9567 | 27.8586 | 78  | 237.04 | 323.31 | 397  | 0.791144 | 1 |
| Q6NZM3;E9Q3M3;   | Dynactin subunit 1 Dctn1                      | 28.6846 | 28.6256 | 57  | 139.78 | 323.31 | 580  | 0.738034 | 1 |
| E9Q3M9;F7B0R9;Q  | 2010300C02Rik protein 2010300C02Rik           | 24.5868 | 24.5273 | 19  | 125.91 | 41.944 | 59   | 0.881387 | 1 |
| E9Q4G8;E9Q3Q6;C  | CD166 antigen Alcam                           | 26.4728 | 26.6588 | 21  | 61.9   | 121.47 | 249  | 0.386059 | 1 |
| H7BX15;E9Q9Q9;E  | Latrophilin-1 Adgrl1;Lphn1                    | 25.5568 | 25.2225 | 21  | 162.28 | 121.23 | 97   | 0.583065 | 1 |
| F6U7V1;E9Q401    | Ryanodine receptor 2 Ryr2                     | 27.7317 | 27.8134 | 120 | 564.73 | 323.31 | 448  | 0.705854 | 1 |
| Q19VH2;E9Q4K0;E  | Actin-binding LIM protein 2 Ablim2            | 24.2933 | 24.3195 | 18  | 73.589 | 46.648 | 91   | 0.961823 | 1 |
| E9Q4M4;Q91VN4;C  | MICOS complex subunit Mic25 Chchd6            | 23.7506 | 26.0479 | 12  | 26.388 | 101.2  | 126  | 0.248878 | 1 |
| E9Q4P1;Q8R3I5    | Wdfy1 protein Wdfy1                           | 22.7525 | 22.6152 | 7   | 46.217 | 19.525 | 21   | 0.884669 | 1 |
| E9Q5B2;G5E8X1;Q  | UPF0585 protein C16orf13 homolo 0610011F06Rik | 22.7401 | 21.5443 | 4   | 12.037 | 11.462 | 25   | 0.392585 | 1 |
| E9Q616;Q6UL10;A  | 0JLR7;A0PJF4;Q61484 Ahnak                     | 25.4303 | 24.9581 | 19  | 604.25 | 39.991 | 74   | 0.124156 | 1 |
| E9Q683;Q6PHS9    | Voltage-dependent calcium channe Cacna2d2     | 23.3226 | 22.7569 | 7   | 130.56 | 6.9337 | 13   | 0.240594 | 1 |
| E9Q6P5           | Tetratricopeptide repeat protein 7I Ttc7b     | 25.0594 | 25.198  | 24  | 94.202 | 79.758 | 120  | 0.480974 | 1 |
| Q8C5J7;E9Q720;Q  | Regulator of G-protein signaling 20 Rgs20     | 21.7499 | 20.5479 | 3   | 23.881 | 2.3388 | 4    | 0.162841 | 1 |
| Q5UE59;E9Q7C9;Q  | Kinesin light chain 1 Klc1                    | 25.1756 | 25.4314 | 22  | 61.629 | 213.1  | 170  | 0.188358 | 1 |
| E9Q7P1;F6TGL6    | Collagen, type XXII, alpha 1 Col22a1          | 23.8682 | 23.8045 | 3   | 159.94 | 2.516  | 18   | 0.975679 | 1 |
| E9Q7Q3;A0A0R4J1  | Tropomyosin alpha-3 chain Tpm3                | 22.5888 | 22.5893 | 29  | 28.734 | 11.79  | 25   | 0.999489 | 1 |
| E9Q7U2;Q8CGU1    | Calcium-binding and coiled-coil dor Calcoco1  | 21.7893 | 21.7963 | 8   | 70.932 | 12.224 | 10   | 0.985732 | 1 |
| H2BL43;E9Q828;F7 | Calcium-transporting ATPase Atp2b4            | 29.0384 | 28.6354 | 54  | 129.24 | 323.31 | 536  | 0.401317 | 1 |
| E9Q8I9           | Protein furry homolog Fry                     | 23.0245 | 22.4972 | 11  | 339.09 | 11.673 | 14   | 0.409744 | 1 |

|  |   |         |         |    |        |        |     |          |   |
|--|---|---------|---------|----|--------|--------|-----|----------|---|
| E9Q8N5;Q08EB6;Q CLIP-associating protein 2           | Clasp2                                    | 25.5043 | 25.4412 | 25 | 140.72 | 58.673 | 96  | 0.860356 | 1 |
| E9Q8N8   | Anion exchange protein Slc4a4             | 28.031  | 27.9445 | 28 | 123.08 | 280.36 | 378 | 0.818357 | 1 |
| E9Q912;Q3TPS9;Q3TA69;Q3TLU4                          | Rap1gds1                                  | 28.6457 | 28.6443 | 32 | 66.076 | 323.31 | 923 | 0.997575 | 1 |
| E9Q933;Q8BK08  | Transmembrane protein 11, mitoclTmem11    | 24.2734 | 22.773  | 3  | 19.808 | 18.332 | 51  | 0.316322 | 1 |
| E9Q9C4;E9Q9C0;E9Q9C3                                 | Actin-binding LIM protein 1 Ablim1        | 22.9283 | 22.851  | 15 | 77.222 | 31.652 | 48  | 0.88152  | 1 |
| E9Q9C3;Q9QZQ1;E Afadin                               | Mllt4                                     | 25.799  | 25.7351 | 29 | 207.31 | 83.625 | 110 | 0.331234 | 1 |
| G3X9J6;E9Q9M1;Q Cytosolic purine 5-nucleotidase      | Nt5c2                                     | 21.9105 | 21.7078 | 9  | 67.764 | 23.392 | 18  | 0.852494 | 1 |
| Q8C1W2;E9QAC6  | Galectin Pick1                            | 23.4847 | 23.4594 | 9  | 58.971 | 24.891 | 34  | 0.949695 | 1 |
| E9QAD8;A4GZ26;Q IQ motif and SEC7 domain-containi    | lqsec2                                    | 27.2111 | 27.0743 | 45 | 162.83 | 318.13 | 272 | 0.515765 | 1 |
| Q5KU03;E9QAQ5;C Glycogen synthase kinase-3 beta      | Gsk3b                                     | 26.12   | 26.0909 | 20 | 46.71  | 206.74 | 218 | 0.937629 | 1 |
| E9QAS4;E9QAS5;Q Chromodomain-helicase-DNA-bind       | Chd4;Chd5                                 | 21.3373 | 21.2659 | 5  | 216.37 | 5.714  | 5   | 0.940419 | 1 |
| Q5M8Q0;Q3U7D2; Ribosomal protein L15;60S riboson     | Rpl15;Gm1002C                             | 24.8064 | 24.9007 | 9  | 24.146 | 17.309 | 110 | 0.886087 | 1 |
| E9QB01   | Neural cell adhesion molecule 1 Ncam1     | 26.2621 | 25.7624 | 31 | 93.619 | 25.487 | 26  | 0.138898 | 1 |
| E9QB02;Q68FL6  | Methionine--tRNA ligase, cytoplasm Mars   | 24.0965 | 24.1483 | 16 | 102.37 | 22.794 | 44  | 0.777808 | 1 |
| Q4VAF0;E9QJT5;P5 Acylphosphatase;Acylphosphatase-    | Acyp1                                     | 22.8897 | 22.0073 | 6  | 14.925 | 22.537 | 30  | 0.459661 | 1 |
| Q7TQG5;E9QK04;P Neogenin                             | Neo1                                      | 24.4541 | 24.6624 | 15 | 159.97 | 27.806 | 50  | 0.484412 | 1 |
| E9QK48;Q7TNG5;D Echinoderm microtubule-associate     | Eml2                                      | 23.4262 | 23.3288 | 14 | 90.791 | 32.044 | 33  | 0.940668 | 1 |
| E9QK62;Q8CHT1  | Ephexin-1 Ngef                            | 24.4444 | 24.7089 | 15 | 82.208 | 106.79 | 120 | 0.437001 | 1 |
| E9QKB2;Q9JKS5;A7 Intracellular hyaluronan-binding pr | Habp4                                     | 22.3688 | 22.3512 | 6  | 45.965 | 19.051 | 36  | 0.963887 | 1 |
| Q4LG64;E9QKCO;C9K0Z1;A0A0A6YW90;Q80VM6               | Gria2                                     | 28.1429 | 28.4372 | 48 | 98.845 | 323.31 | 713 | 0.230401 | 1 |
| Q3TPI3;Q3UHH4;Q Tripartite motif-containing protein  | Trim2                                     | 25.745  | 25.8402 | 23 | 81.426 | 252.05 | 155 | 0.427387 | 1 |
| E9QKZ2;Q91YE6;Q Importin-9                           | Ipo9                                      | 25.4029 | 24.3808 | 11 | 115.95 | 160.75 | 54  | 0.189509 | 1 |
| E9QL53;P49Q25;F6 Citron Rho-interacting kinase       | Cit                                       | 25.2796 | 25.8302 | 27 | 235.36 | 47.36  | 63  | 0.127672 | 1 |
| Q8R1E1;E9QL80;Q Acyl-CoA:lysophosphatidylglycerol    | Lpgat1                                    | 22.0377 | 22.5457 | 5  | 31.565 | 9.3841 | 15  | 0.42786  | 1 |
| E9QLB2;Q3UFF7  | Lysophospholipase-like protein 1 Lyplal1  | 21.2025 | 21.4717 | 5  | 26.34  | 12.73  | 13  | 0.77019  | 1 |
| Q3TR28;E9QLH4;Q E3 ubiquitin-protein ligase TRIM9    | Trim9                                     | 22.0083 | 22.0794 | 8  | 87.476 | 11.102 | 23  | 0.900544 | 1 |
| E9QLL2;Q8BZ98;Q Dynamin-3                            | Dnm3                                      | 27.1414 | 27.0675 | 47 | 97.272 | 248.91 | 503 | 0.607401 | 1 |
| E9QM38;P55012  | Solute carrier family 12 member 2 Slc12a2 | 24.86   | 24.6531 | 16 | 130.67 | 59.655 | 47  | 0.850145 | 1 |
| E9QM90;Q148V7;C LisH domain and HEAT repeat-cont     | 2310035C23Rik                             | 26.6369 | 26.6324 | 35 | 134.57 | 162.69 | 224 | 0.980487 | 1 |
| H3BKD4;Q3UJA5;H Arf-GAP with SH3 domain, ANK rep     | Asap1                                     | 22.3905 | 21.6658 | 8  | 120.1  | 8.0204 | 20  | 0.332873 | 1 |
| Q3U7K4;E9QMK9;C UPF0317 protein C14orf159 homol      | 9030617O03Rik                             | 21.082  | 21.9335 | 4  | 59.958 | 4.9869 | 8   | 0.364288 | 1 |
| Q8C2R5;E9QMW9; Polypyrimidine tract-binding protei   | Ptbp1                                     | 22.078  | 22.2052 | 4  | 32.279 | 11.455 | 21  | 0.897695 | 1 |
| E9QMY1;Q80VX2;C OX-2 membrane glycoprotein           | Cd200                                     | 24.4882 | 24.6691 | 8  | 30.292 | 50.34  | 67  | 0.583135 | 1 |

|  |         |         |    |        |        |      |          |   |
|--|---------|---------|----|--------|--------|------|----------|---|
| E9QN14;F8VPQ4;Q SLIT-ROBO Rho GTPase-activating $\zeta$ Srgap3 | 25.0051 | 25.1246 | 22 | 121.72 | 52.939 | 59   | 0.859552 | 1 |
| Q3TQZ7;Q80W82;C Mitogen-activated protein kinase;N Mapk10      | 24.4823 | 24.3058 | 15 | 48.003 | 39.262 | 102  | 0.831951 | 1 |
| E9QN98;Q6NXX7;D Inactive dipeptidyl peptidase 10 Dpp10         | 27.2096 | 27.2551 | 29 | 91.129 | 85.126 | 339  | 0.69148  | 1 |
| E9QN99;Q8VCR7;A Alpha/beta hydrolase domain-cont Abhd14b       | 20.4613 | 20.8319 | 5  | 22.45  | 4.8644 | 20   | 0.763754 | 1 |
| E9QNF7;Q9CPW0 Contactin-associated protein-like 2 Cntnap2      | 26.2005 | 26.1308 | 21 | 148.25 | 68.899 | 108  | 0.867528 | 1 |
| E9QNR6;Q8VD62 UPF0696 protein C11orf68 homolo AI837181;Bles0   | 22.3503 | 21.9995 | 5  | 31.845 | 15.1   | 33   | 0.444437 | 1 |
| E9QP87;Q80U92;Q Membrane protein MLC1 Mlc1                     | 21.7316 | 23.2665 | 5  | 42.168 | 9.3386 | 17   | 0.288245 | 1 |
| G5E8R3;E9QPD7;Q Pyruvate carboxylase;Pyruvate carl Pcx;Pc      | 28.5646 | 28.2376 | 47 | 129.7  | 323.31 | 598  | 0.428357 | 1 |
| Q923F9;E9QPX3;Q NADH dehydrogenase [ubiquinone Ndufs4          | 26.4877 | 24.0498 | 7  | 18.518 | 24.442 | 150  | 0.337313 | 1 |
| Q8K3L3;F2Z3X6;Q8 3-phosphoinositide-dependent pro Pdpk1        | 21.3491 | 20.9948 | 6  | 60.934 | 4.5346 | 12   | 0.403982 | 1 |
| Q8K233;F6QCP8;Q Angiotensin-converting enzyme;An Ace           | 21.6446 | 20.2588 | 2  | 117.51 | 3.3918 | 5    | 0.16862  | 1 |
| F6RJV6;Q9JJK2 LanC-like protein 2 Lancl2                       | 25.8792 | 25.9355 | 25 | 49.742 | 224.14 | 308  | 0.913578 | 1 |
| F6RPJ9;Q8CGB9;Q Insulin-degrading enzyme Ide                   | 23.4296 | 24.6453 | 11 | 114.15 | 33.955 | 18   | 0.302421 | 1 |
| F6RT34;F7A0B0;Q0 Myelin basic protein Mbp                      | 30.6806 | 29.0315 | 12 | 23.086 | 323.31 | 825  | 0.272274 | 1 |
| F6SEU4;J3QQ18;A0 Ras/Rap GTPase-activating protein Syngap1     | 29.1438 | 28.8192 | 56 | 148.24 | 323.31 | 1088 | 0.260887 | 1 |
| F6V084;Q8VBT0 Thioredoxin-related transmembrar Tmx1            | 21.2737 | 21.9137 | 3  | 14.343 | 6.7509 | 8    | 0.451509 | 1 |
| F6VQ81;Q8BKP1;A Tumor protein D54 Tpd52l2                      | 22.8677 | 24.3118 | 11 | 17.619 | 51.107 | 102  | 0.396281 | 1 |
| F6XWD4;Q3UMT1 Protein phosphatase 1 regulatory s Ppp1r12c      | 21.9763 | 20.1594 | 2  | 76.641 | 2      | 5    | 0.327428 | 1 |
| Q561N5;F6YVP7;P 40S ribosomal protein S18 Rps18;Gm1026l        | 27.0848 | 24.9506 | 13 | 17.718 | 41.28  | 193  | 0.35233  | 1 |
| Q7M739;F6ZDS4;Q Nucleoprotein TPR Tpr                          | 24.5369 | 24.6051 | 20 | 266.92 | 53.543 | 51   | 0.766699 | 1 |
| Q8C446;F6ZYH6;P6 Gamma-aminobutyric acid recepto Gabrb3        | 25.818  | 25.9129 | 11 | 54.282 | 57.849 | 115  | 0.790169 | 1 |
| Q3TI34;Q5XJZ8;Q7 Glutathione peroxidase;Phospholip Gpx4;PHGPx  | 25.6568 | 23.6481 | 11 | 19.522 | 29.871 | 116  | 0.310727 | 1 |
| F7BAB2;Q5DTV2 MKIAA1786 protein Tmem132b                       | 21.1776 | 21.7074 | 4  | 119.33 | 7.4868 | 13   | 0.206108 | 1 |
| F7BJK1 Protocadherin 1 Pcdh1                                   | 22.5269 | 22.5516 | 17 | 116.52 | 2.9335 | 22   | 0.979158 | 1 |
| Q8COB4;F7BNZ5;Q Breast carcinoma-amplified sequer Bcas1        | 21.3674 | 21.6497 | 3  | 40.541 | 13.307 | 12   | 0.699738 | 1 |
| F7BP73;Q3UHH2;F Solute carrier family 22 member 2 Slc22a23     | 21.6189 | 22.0626 | 3  | 61.962 | 9.0451 | 7    | 0.749505 | 1 |
| Q8R5C0;F7C846;P4 Metaxin-1 Mtx1                                | 21.933  | 23.0351 | 11 | 35.646 | 28.35  | 57   | 0.262105 | 1 |
| F7CVQ1;F8WJ51;F Netrin-G1 Ntng1                                | 22.2364 | 22.4475 | 5  | 35.56  | 26.166 | 51   | 0.752938 | 1 |
| F7CZ64;Q8VHW2 Voltage-dependent calcium channε Cacng8          | 25.6518 | 26.2647 | 11 | 43.418 | 70.093 | 110  | 0.374041 | 1 |
| F8SLP8;F8SLQ4;F8S Peroxin 2, isoform CRA_d Pex5l               | 23.9368 | 24.0538 | 16 | 66.878 | 91.425 | 58   | 0.679915 | 1 |
| F8VPN4;A0A0G2JG Amylo-1,6-glucosidase, 4-alpha-glu Agl         | 27.0378 | 26.9894 | 47 | 174.29 | 181.45 | 324  | 0.854811 | 1 |
| F8VPP8;Q3TAC6;Q MKIAA1031 protein mKIAA1031                    | 21.636  | 21.1142 | 2  | 110.29 | 2.9706 | 2    | 0.16318  | 1 |
| F8VPQ1;Q8CIQ7;Q Deducator of cytokinesis protein 3 Dock3       | 25.294  | 24.9752 | 30 | 233.28 | 85.167 | 78   | 0.308133 | 1 |

|                  |  |         |         |    |        |        |      |          |   |
|------------------|--|---------|---------|----|--------|--------|------|----------|---|
| F8VPU2;Q8K2R0    | FERM, RhoGEF and pleckstrin dom: Farp1         | 26.0424 | 25.8632 | 24 | 118.87 | 86.988 | 130  | 0.435013 | 1 |
| Q6PD17;F8VPZ3;F6 | Ubiquitin carboxyl-terminal hydrol: Usp32      | 21.1926 | 21.41   | 3  | 95.099 | 2.8475 | 7    | 0.474691 | 1 |
| F8VQ40;P19137    | Laminin subunit alpha-1 Lama1                  | 22.0944 | 21.578  | 7  | 338.14 | 5.0215 | 10   | 0.625917 | 1 |
| F8VQE9;Q8VHH5;A  | Arf-GAP with GTPase, ANK repeat ε Agap3        | 24.442  | 24.3349 | 11 | 97.694 | 52.883 | 102  | 0.638786 | 1 |
| F8VQF9;Q3TLI0    | Trafficking protein particle comple: Trappc10  | 22.713  | 22.0447 | 7  | 141.49 | 8.5226 | 9    | 0.410451 | 1 |
| F8VQJ3;P02468    | Laminin subunit gamma-1 Lamc1                  | 25.636  | 25.6664 | 27 | 177.19 | 86.235 | 106  | 0.936616 | 1 |
| F8VQK3;Q3TNN8    | Guanylate cyclase 1, soluble, alpha Gucy1a2    | 24.1445 | 24.358  | 19 | 81.83  | 133.23 | 70   | 0.44552  | 1 |
| S4R255;F8WGF2;Q  | Nitric oxide synthase, brain Nos1              | 24.6648 | 24.5968 | 15 | 160.05 | 53.294 | 60   | 0.775662 | 1 |
| F8WGT1;Q68FL4;Q  | Adenosylhomocysteinase;Putative Ahcyl2         | 25.5271 | 25.634  | 23 | 66.771 | 130.57 | 57   | 0.775599 | 1 |
| F8WGX5;Q6PNC0    | DmX-like protein 1 Dmxl1                       | 23.1721 | 23.1588 | 8  | 337.39 | 5.2415 | 8    | 0.992947 | 1 |
| Q3UHH0;Q3UHJ3;F  | Calcium-transporting ATPase;Plasrn Atp2b2      | 30.7802 | 30.8018 | 61 | 132.1  | 323.31 | 1613 | 0.961505 | 1 |
| F8WHM5;Q53WR6    | Golgi apparatus protein 1 Glg1                 | 23.9914 | 24.039  | 16 | 132.35 | 30.329 | 41   | 0.943801 | 1 |
| F8WHQ1;E9PUA7;C  | Tumor protein D52 Tpd52                        | 23.7503 | 24.311  | 12 | 26.927 | 22.458 | 88   | 0.655712 | 1 |
| F8WHW6;O70161    | Phosphatidylinositol 4-phosphate ε Pip5k1c     | 27.2719 | 27.2583 | 25 | 75.515 | 294.34 | 342  | 0.95627  | 1 |
| F8WI90;P05480;Q3 | Neuronal proto-oncogene tyrosine Src           | 24.4447 | 24.0632 | 15 | 59.89  | 54.406 | 74   | 0.001882 | 1 |
| F8WID5;Q564G1;E! | Tropomyosin 1, alpha Tpm1                      | 24.0845 | 24.4529 | 23 | 37.412 | 56.336 | 118  | 0.662922 | 1 |
| F8WIE5;Q69ZR2;Q: | E3 ubiquitin-protein ligase HECTD1 Hectd1      | 22.1906 | 21.8662 | 8  | 289.23 | 10.278 | 20   | 0.789633 | 1 |
| F8WIK0;Q8WTY4    | Anamorsin Ciapin1                              | 22.4865 | 22.3581 | 5  | 33.429 | 11.391 | 17   | 0.670984 | 1 |
| Q3U7I9;F8WIR1;Q: | Cathepsin D Ctsd                               | 26.2221 | 26.5441 | 13 | 44.314 | 108.25 | 264  | 0.016734 | 1 |
| F8WIT2;Q3UI56;P1 | Annexin;Annexin A6 Anxa6                       | 26.9169 | 27.1544 | 41 | 75.288 | 293.95 | 412  | 0.468555 | 1 |
| F8WIU1;Q9D1K7;H  | UPF0687 protein C20orf27 homolog 1700037H04Rik | 25.0661 | 23.1894 | 7  | 19.811 | 28.107 | 49   | 0.265166 | 1 |
| F8WJG3;P62996;Q! | Transformer-2 protein homolog be Tra2b         | 22.5958 | 21.973  | 5  | 21.935 | 7.2338 | 19   | 0.341923 | 1 |
| F8WJI3;Q8R3Q6;E9 | Coiled-coil domain-containing prot Ccdc58      | 21.435  | 20.5576 | 2  | 15.601 | 5.0845 | 12   | 0.047193 | 1 |
| F8WJK8;Q3U9V1;Q  | Hsc70-interacting protein St13                 | 25.6932 | 25.6772 | 11 | 40.538 | 158.69 | 198  | 0.957139 | 1 |
| G3UWV4;G3FEZ6;C  | Serine/threonine-protein kinase BF Brsk2       | 22.7827 | 21.8922 | 12 | 77.777 | 21.929 | 26   | 0.364831 | 1 |
| G3UX26;Q60930;D  | Voltage-dependent anion-selective Vdac2        | 27.7634 | 29.3034 | 15 | 30.446 | 323.31 | 1046 | 0.231204 | 1 |
| Q5DTJ4;G3UX48;Q  | Protein PRRC2A Prrc2a                          | 20.5394 | 21.5706 | 3  | 191.12 | 4.5706 | 8    | 0.209681 | 1 |
| Q3TI27;G3UXL2;Q9 | Ribose-phosphate pyrophosphokin Prps1;Prps1l3  | 26.465  | 26.1785 | 17 | 34.865 | 158.67 | 275  | 0.26862  | 1 |
| Q3MIA8;G3UXW9;!  | COP9 signalosome complex subuni Gps1           | 24.842  | 24.4622 | 17 | 55.163 | 88.243 | 95   | 0.171095 | 1 |
| G3UXZ5;Q5HZK3;P! | Proteasome activator complex sub Psme1         | 22.641  | 24.6529 | 13 | 27.411 | 25.22  | 92   | 0.386673 | 1 |
| G3UYD0;Q3UHU8;C  | General transcription factor II-I Gtf2i        | 21.3445 | 22.314  | 3  | 103.08 | 10.06  | 8    | 0.454365 | 1 |
| Q8CFZ0;G3UYPO;P! | SUMO-conjugating enzyme UBC9 Ube2i             | 23.9734 | 23.1955 | 5  | 11.225 | 15.421 | 53   | 0.566747 | 1 |
| G3UYZ1;A0A0R4J1: | Immunoglobulin superfamily meml Igsf8          | 28.4311 | 28.6539 | 20 | 58.131 | 323.31 | 577  | 0.187049 | 1 |

|  |               |         |         |    |        |        |      |          |   |
|--|---------------|---------|---------|----|--------|--------|------|----------|---|
| G3UZD6;Q6NWW1 Ubiquitin conjugation factor E4 B    | Ube4b;mKIAA01 | 21.9111 | 22.2172 | 7  | 113    | 8.5125 | 15   | 0.628045 | 1 |
| G3UZM4;Q8BLQ9 Cell adhesion molecule 2             | Cadm2         | 27.2557 | 27.3466 | 16 | 47.345 | 268.84 | 342  | 0.317749 | 1 |
| Q9CQG4;Q921E4;C Receptor expression-enhancing pr   | Reep5         | 27.222  | 26.4912 | 8  | 21.086 | 73.328 | 124  | 0.126948 | 1 |
| Q9D2D1;Q544R6;G Carboxypeptidase;Lysosomal prote   | Ctsa          | 23.3133 | 22.9718 | 8  | 53.829 | 12.329 | 45   | 0.636157 | 1 |
| Q8BWV2;G3X8X7;C Vacuolar protein sorting-associat  | Vps16         | 21.1009 | 22.1598 | 8  | 94.799 | 19.418 | 17   | 0.096163 | 1 |
| G3X8Y3;Q80UM3;F N-alpha-acetyltransferase 15, NatA | Naa15         | 22.5434 | 22.4034 | 9  | 101.09 | 9.8828 | 18   | 0.367377 | 1 |
| G3X915;Q9D7V2 LysM and putative peptidoglycan-b    | Lysmd2        | 20.7005 | 20.8692 | 3  | 23.594 | 4.7284 | 8    | 0.614643 | 1 |
| G3X920;Q9D8R3 Armadillo repeat-containing protei   | Armc8         | 23.8485 | 23.7779 | 7  | 75.401 | 44.908 | 36   | 0.952376 | 1 |
| Q3V222;G3X972;Q Sec24 related gene family, membe   | Sec24c        | 24.8837 | 24.8425 | 17 | 89.316 | 37.864 | 106  | 0.953399 | 1 |
| G3X9A7;Q8BLJ3;B2 PI-PLC X domain-containing protei | Plcx3         | 24.0172 | 23.6361 | 8  | 36.314 | 61.198 | 68   | 0.470381 | 1 |
| G3X9H5;P42859 Huntingtin                           | Htt           | 26.5474 | 26.1075 | 48 | 344.78 | 176.21 | 193  | 0.310628 | 1 |
| Q68FL0;G5E8Y0;G3 Sodium/calcium exchanger 1        | Slc8a1        | 27.1117 | 27.1389 | 19 | 106.66 | 126.62 | 153  | 0.925387 | 1 |
| G3X9K3 Brefeldin A-inhibited guanine nucle         | Arfgef1       | 23.6345 | 23.5039 | 20 | 208.5  | 10.774 | 24   | 0.845388 | 1 |
| G3X9K4;Q8R3Q2;Q Serine/threonine-protein phosphat  | Ppp6r2        | 22.458  | 22.2771 | 8  | 100.46 | 13.098 | 26   | 0.572568 | 1 |
| G3X9L6;Q9DCX2;B: ATP synthase subunit d, mitochon  | Gm10250;Atp5l | 28.9672 | 25.9308 | 12 | 18.621 | 169.56 | 503  | 0.361487 | 1 |
| G3X9M0;Q9ER88;A 28S ribosomal protein S29, mitoch  | Dap3          | 21.3734 | 21.7853 | 6  | 45.287 | 18.411 | 18   | 0.65801  | 1 |
| G3X9V0;Q5SVP3;P: Proteasome activator complex sub  | Psme2;PSME2b  | 22.2678 | 23.9884 | 12 | 26.159 | 24.876 | 61   | 0.231948 | 1 |
| G3X9V4;Q01097 Glutamate receptor ionotropic, NM    | Grin2b        | 26.705  | 26.725  | 38 | 165.99 | 124.07 | 208  | 0.918479 | 1 |
| G3XA10;Q3ULH5;Q Heterogeneous nuclear ribonucleo   | Gm28062;Hnrn  | 27.9958 | 27.9835 | 25 | 86.805 | 323.31 | 416  | 0.980278 | 1 |
| Q3UVV3;G3XA53;C Oligodendrocyte-myelin glycoprote  | Omg           | 26.0645 | 26.4089 | 10 | 49.283 | 180.24 | 122  | 0.319103 | 1 |
| G5DDB7;Q8R3B1;C Phosphoinositide phospholipase C;  | Plcd1         | 22.2587 | 23.3237 | 12 | 88.845 | 34.297 | 25   | 0.154977 | 1 |
| G5E814;Q9D8B4;Q NADH dehydrogenase [ubiquinone     | Ndufa11       | 25.7348 | 25.9634 | 8  | 15.115 | 116.96 | 193  | 0.195107 | 1 |
| G5E829;Q8K314 Plasma membrane calcium-transp       | Atp2b1        | 30.1268 | 30.1662 | 57 | 134.75 | 323.31 | 1245 | 0.907317 | 1 |
| G5E850;Q544Z9;P5 Cytochrome b5                     | Cyb5a         | 25.3202 | 23.8212 | 5  | 11.142 | 15.83  | 108  | 0.394056 | 1 |
| G5E863 Glutamate receptor 4                        | Gria4         | 21.2901 | 21.4792 | 11 | 100.82 | 5.6484 | 8    | 0.859435 | 1 |
| G5E866;Q99NB9;Q Splicing factor 3B subunit 1       | Sf3b1         | 25.3609 | 25.2605 | 20 | 145.83 | 95.898 | 70   | 0.843989 | 1 |
| G5E881;Q3TUH1 Phosphatidate cytidyltransferase,    | Tamm41        | 22.4769 | 22.0639 | 8  | 37.896 | 16.325 | 26   | 0.3054   | 1 |
| G5E884;O88643 Non-specific serine/threonine prot   | Pak1          | 27.3033 | 27.4016 | 26 | 60.607 | 323.31 | 403  | 0.469492 | 1 |
| G5E895;D3Z494;Q: Aldo-keto reductase family 1, mem | Akr1b10       | 24.687  | 24.4808 | 11 | 35.848 | 39.256 | 79   | 0.219586 | 1 |
| Q8BKZ1;G5E8D5;Q Metabotropic glutamate receptor    | Grm7          | 23.7751 | 23.9271 | 5  | 42.068 | 18.026 | 21   | 0.093924 | 1 |
| G5E8H1 Glutamate receptor 2                        | Gria2         | 24.186  | 23.9778 | 46 | 98.76  | 8.5306 | 15   | 0.685581 | 1 |
| G5E8J3;Q8K1X1;A0 WD repeat-containing protein 11   | Wdr11         | 22.4598 | 22.1876 | 2  | 135.97 | 17.238 | 3    | 0.835461 | 1 |
| G5E8R0;E9Q453;E5 Tropomyosin alpha-1 chain         | Tpm1          | 23.101  | 24.7529 | 21 | 28.343 | 51.147 | 133  | 0.379628 | 1 |

|                   |   |                |         |         |    |        |        |      |          |   |
|-------------------|---|----------------|---------|---------|----|--------|--------|------|----------|---|
| G5E8R4;Q922D4     | Serine/threonine-protein phosphatase 6B         | Ppp6r3         | 22.2729 | 22.0667 | 5  | 97.862 | 6.1786 | 20   | 0.75042  | 1 |
| G5E8T9;Q99KB8;A   | Hydroxyacylglutathione hydrolase                | Hagh           | 23.8838 | 26.1811 | 12 | 34.103 | 88.288 | 158  | 0.330056 | 1 |
| G5E924;Q3UMT7     | Heterogeneous nuclear ribonucleoprotein         | Hnrnp1         | 27.3641 | 27.533  | 26 | 66.821 | 323.31 | 321  | 0.687375 | 1 |
| Q3TQX8;Q3TDQ5;C   | Autophagy-related protein 16-1                  | Atg16l1        | 21.2133 | 20.5634 | 2  | 49.358 | 10.099 | 4    | 0.173858 | 1 |
| H3BKW0;H3BJ30;H   | Cleavage and polyadenylation specificity factor | Cpsf6          | 21.6086 | 22.0524 | 2  | 21.248 | 12.729 | 11   | 0.730348 | 1 |
| H3BJU7;H3BJX8;H3  | Rho guanine nucleotide exchange factor          | Arhgef2        | 24.655  | 24.7196 | 24 | 108.59 | 70.783 | 76   | 0.710942 | 1 |
| H3BJ97;Q99JR5;Q4  | Tubulointerstitial nephritis antigen            | Tinagl1        | 22.4005 | 22.626  | 8  | 49.276 | 34.886 | 58   | 0.81464  | 1 |
| Q3UUK5;H3BL28;Q   | Neurabin I                                      | Ppp1r9a        | 25.8577 | 25.684  | 22 | 116.5  | 160.83 | 131  | 0.375293 | 1 |
| H3BKH6;Q9R0P3;H   | S-formylglutathione hydrolase                   | Esd            | 24.138  | 26.2055 | 12 | 32.829 | 119.6  | 282  | 0.283377 | 1 |
| Q3TPT3;H6RXZ1;P4  | Synaptotagmin-1                                 | Syt1           | 29.4286 | 29.5807 | 24 | 47.435 | 323.31 | 1403 | 0.513178 | 1 |
| Z4YL87;H7BWW8;Q   | Pre-rRNA-processing protein                     | TSR2           | 21.063  | 21.2847 | 2  | 21.022 | 2.7744 | 8    | 0.675014 | 1 |
| H7BX88;P47934     | Carnitine O-acetyltransferase                   | Crat           | 21.7026 | 22.1063 | 9  | 68.644 | 20.556 | 23   | 0.289464 | 1 |
| H7BX95;Q6PDM2     | Serine/arginine-rich splicing factor            | Srsf1          | 22.246  | 23.6679 | 10 | 28.329 | 32.787 | 83   | 0.305234 | 1 |
| H9KV10;Q3U0D9;H   | E3 ubiquitin-protein ligase                     | HACE1          | 21.3833 | 21.2369 | 3  | 33.471 | 8.332  | 12   | 0.765299 | 1 |
| I1E4X7;Q9JI46;H3B | Diphosphoinositol polyphosphate 3-kinase        | Nudt3          | 26.6866 | 24.6206 | 7  | 17.828 | 89.122 | 168  | 0.388095 | 1 |
| I3ITR1;Q9D924     | Iron-sulfur cluster assembly 1 homolog          | AK157302;Isca1 | 22.9724 | 21.6292 | 3  | 14.218 | 8.3341 | 15   | 0.273492 | 1 |
| I7HFI3;Q811P8     | Rho GTPase-activating protein 32                | Arhgap32       | 24.2232 | 24.1192 | 23 | 190.34 | 27.105 | 46   | 0.56132  | 1 |
| J3QMM7;K3W4M4     | ATP-dependent (S)-NAD(P)H-hydratase             | Carkd          | 25.2626 | 25.0978 | 13 | 35.169 | 72.655 | 153  | 0.375386 | 1 |
| Q3UBP0;J3QN31;P   | Adenylosuccinate synthetase isozyme 1           | Adssl1         | 21.7008 | 22.5545 | 8  | 50.254 | 12.877 | 22   | 0.191977 | 1 |
| Q0VG47;J3QNY1;Q   | Heterogeneous nuclear ribonucleoprotein         | Hnrnpa3        | 21.6388 | 23.1062 | 21 | 37.086 | 6.7579 | 11   | 0.383532 | 1 |
| J3QP56;P97823;D3  | Acyl-protein thioesterase 1                     | Lypla1         | 22.7048 | 22.1898 | 6  | 23.726 | 12.182 | 58   | 0.650438 | 1 |
| J3QPZ8;Q4V9T8;Q   | Eukaryotic translation initiation factor        | Eif1;Eif1b     | 21.3228 | 20.7754 | 3  | 12.1   | 5.2724 | 10   | 0.443033 | 1 |
| K3W4Q8;O55108;C   | Basigin   | Bsg            | 25.8114 | 25.8908 | 8  | 24.116 | 105.36 | 155  | 0.819957 | 1 |
| K3W4R2;Q6URW6;    | Myosin-14                                       | Myh14          | 22.5218 | 22.0967 | 21 | 228.56 | 13.556 | 16   | 0.677733 | 1 |
| Q6NXX6;K3W4T3;C   | V-type proton ATPase subunit a;V-1              | Atp6v0a1       | 30.7394 | 30.7415 | 39 | 95.64  | 323.31 | 1432 | 0.993258 | 1 |
| K4DI58;Q99N28     | Cell adhesion molecule 3                        | Cadm3          | 27.2207 | 27.2553 | 14 | 46.692 | 268.73 | 256  | 0.816064 | 1 |
| K4DI65;P60824;D3  | Cold-inducible RNA-binding protein              | Cirbp          | 22.1732 | 21.2062 | 3  | 18.111 | 3.2533 | 12   | 0.266215 | 1 |
| K7Q751;P34152     | Focal adhesion kinase 1                         | Ptk2           | 23.4012 | 23.3839 | 12 | 121.06 | 17.509 | 31   | 0.981236 | 1 |
| Q9D859;K7Q7T7;P   | Ras-related C3 botulinum toxin substrate 1      | Rac1           | 29.2649 | 28.3556 | 11 | 21.464 | 118.6  | 545  | 0.318685 | 1 |
| Q3UDE9;K7QD41;C   | Protein-tyrosine kinase 2-beta                  | Ptk2b          | 25.879  | 25.8436 | 33 | 115.41 | 83.946 | 136  | 0.900773 | 1 |
| Q3UUK3;K7XUH1;C   | Sphingosine 1-phosphate receptor                | S1pr1;Edg1     | 22.0885 | 23.403  | 5  | 42.655 | 9.9125 | 20   | 0.385817 | 1 |
| M0QWP1;Z4YK85;A   | Agrin;Agrin N-terminal 110 kDa subunit          | Agrn           | 23.2615 | 23.0519 | 12 | 216.65 | 24.044 | 29   | 0.293726 | 1 |
| Q9MD59;Q6QN84;    | NADH-ubiquinone oxidoreductase                  | mt-Nd2;ND2;M   | 24.275  | 23.7196 | 3  | 38.752 | 11.743 | 11   | 0.548698 | 1 |

|                  |                                    |                  |         |         |    |        |        |      |          |   |
|------------------|------------------------------------|------------------|---------|---------|----|--------|--------|------|----------|---|
| Q9MD82;Q7GIP3;C  | NADH-ubiquinone oxidoreductase     | mt-Nd5;ND5;M     | 26.6042 | 26.646  | 9  | 68.474 | 241.57 | 99   | 0.90704  | 1 |
| NOE4C0;P67871;N  | Casein kinase II subunit beta      | Csnk2b;Csnk2b-   | 23.5311 | 25.0581 | 10 | 24.912 | 88.545 | 95   | 0.373076 | 1 |
| Q3U3A8;O08529;Q  | Calpain-2 catalytic subunit        | Capn2            | 24.2285 | 24.8181 | 26 | 79.799 | 75.28  | 114  | 0.444968 | 1 |
| O08539;Q6P1B9    | Myc box-dependent-interacting pr   | Bin1             | 28.2006 | 28.1542 | 27 | 64.469 | 323.31 | 489  | 0.683721 | 1 |
| O08547;E9Q6R3;Q  | Vesicle-trafficking protein SEC22b | Sec22b           | 24.0725 | 24.0522 | 9  | 24.74  | 28.331 | 64   | 0.945628 | 1 |
| O08553           | Dihydropyrimidinase-related prote  | Dpysl2           | 32.8802 | 32.9559 | 38 | 62.277 | 323.31 | 5071 | 0.383845 | 1 |
| O08576           | RUN domain-containing protein 3A   | Rundc3a          | 21.9681 | 22.9449 | 8  | 50.018 | 44.841 | 32   | 0.061997 | 1 |
| O08582           | GTP-binding protein 1              | Gtpbp1           | 21.5162 | 21.3706 | 6  | 72.3   | 6.8373 | 15   | 0.139395 | 1 |
| O08583;Q4KL64;G  | THO complex subunit 4;Aly/REF ex   | Alyref;Alyref2;R | 22.2159 | 23.9099 | 7  | 26.94  | 13.989 | 38   | 0.346611 | 1 |
| O08599           | Syntaxin-binding protein 1         | Stxbp1           | 31.9578 | 31.9633 | 57 | 67.568 | 323.31 | 4293 | 0.983258 | 1 |
| O08641           | SH3 domain-containing YSC84-like   | Sh3yl1           | 24.4376 | 25.1264 | 1  | 37.028 | 1.9653 | 13   | 0.830826 | 1 |
| Q3U2P3;Q3TPL4;Q  | Calpain-5                          | Capn5            | 22.8786 | 23.1787 | 9  | 72.953 | 19.984 | 44   | 0.168641 | 1 |
| O08749;Q3TIE8    | Dihydrolipoyl dehydrogenase, mitc  | Dld              | 29.2302 | 29.3395 | 24 | 54.272 | 323.31 | 1557 | 0.559482 | 1 |
| Q5DTH1;O08759    | Ubiquitin-protein ligase E3A       | Ube3a            | 22.5845 | 22.9469 | 17 | 103.34 | 28.382 | 33   | 0.596933 | 1 |
| Q3U518;Q3TWG2;I  | Glucosidase 2 subunit beta         | Prkcsh           | 23.7628 | 23.9961 | 11 | 58.792 | 31.155 | 35   | 0.5043   | 1 |
| O08807;B1AZS9    | Peroxiredoxin-4                    | Prdx4            | 23.9645 | 24.8249 | 7  | 31.052 | 22.926 | 84   | 0.642965 | 1 |
| Q80W12;Q3TJ75;O  | 60 kDa SS-A/Ro ribonucleoprotein   | Trove2           | 23.0041 | 23.1222 | 8  | 60.171 | 24.273 | 36   | 0.883189 | 1 |
| Q3UUF0;Q8C541;O  | Fatty-acid amide hydrolase 1       | Faah             | 24.3223 | 24.2927 | 10 | 58.491 | 64.757 | 56   | 0.899442 | 1 |
| O08915;D3YW40    | AH receptor-interacting protein    | Aip              | 22.2016 | 22.1769 | 10 | 37.605 | 26.001 | 22   | 0.967998 | 1 |
| Q540I4;O08917;Q3 | Flotillin-1                        | Flot1            | 26.1716 | 26.0458 | 23 | 47.513 | 307.17 | 297  | 0.815642 | 1 |
| Q3UH86;O08919    | Numb-like protein                  | Numb1            | 23.8467 | 24.0622 | 15 | 60.079 | 37.215 | 50   | 0.615556 | 1 |
| Q3TPX5;O08989;D  | Ras-related protein M-Ras          | Mras             | 23.1035 | 24.2108 | 9  | 23.901 | 79.928 | 44   | 0.369213 | 1 |
| Q3TXC7;Q3TWV1;C  | Syntenin-1                         | Sdcbp            | 20.9905 | 22.1709 | 5  | 32.239 | 17.081 | 13   | 0.066596 | 1 |
| Q6RI64;O09061    | Proteasome subunit beta type;Pro   | Psmb1            | 26.0289 | 24.5752 | 12 | 26.372 | 89.284 | 196  | 0.511642 | 1 |
| Q4VBC9;O09111    | NADH dehydrogenase [ubiquinone     | Ndufb11          | 25.6315 | 25.9344 | 6  | 17.485 | 123.24 | 76   | 0.700849 | 1 |
| O09114           | Prostaglandin-H2 D-isomerase       | Ptgds            | 23.3382 | 25.1132 | 8  | 21.066 | 40.681 | 86   | 0.341116 | 1 |
| O09131           | Glutathione S-transferase omega-1  | Gsto1            | 23.4544 | 25.1188 | 14 | 27.497 | 53.373 | 103  | 0.360878 | 1 |
| Q9CQM8;O09167;C  | 60S ribosomal protein L21          | Rpl21            | 25.1711 | 24.0101 | 7  | 18.579 | 18.153 | 60   | 0.465154 | 1 |
| Q4FJZ6;Q3T9P2;O  | Glutamate--cysteine ligase regulat | Gclm             | 22.3316 | 22.9837 | 7  | 30.534 | 10.89  | 31   | 0.338991 | 1 |
| Q91YQ8;Q3TUS8;O  | Alpha-methylacyl-CoA racemase      | Amacr            | 20.4841 | 20.7176 | 2  | 39.58  | 3.2399 | 5    | 0.7572   | 1 |
| Q3V235;O35129;F  | Prohibitin-2                       | Phb2             | 26.8536 | 27.4969 | 16 | 33.296 | 256.41 | 491  | 0.355621 | 1 |
| O35136           | Neural cell adhesion molecule 2    | Ncam2            | 28.1808 | 28.0164 | 26 | 93.203 | 191.82 | 364  | 0.465426 | 1 |
| Q3UNI8;O35215;G  | D-dopachrome decarboxylase         | Ddt;Gm20441      | 26.3747 | 24.493  | 8  | 13.077 | 138    | 173  | 0.468923 | 1 |

|  |         |         |    |        |        |     |          |   |
|--|---------|---------|----|--------|--------|-----|----------|---|
| O35226;Q9CY29;Q: 26S proteasome non-ATPase regul; Psm d4     | 22.8845 | 23.672  | 10 | 40.703 | 33.969 | 54  | 0.440469 | 1 |
| Q2M4G8;O35239 Protein-tyrosine-phosphatase;Tyro Ptpn9        | 21.7954 | 21.7845 | 7  | 67.969 | 17.577 | 14  | 0.97434  | 1 |
| Q69Z54;Q3USE0;O: Exocyst complex component 7 mKIAA1067;Exc   | 23.0223 | 23.4532 | 16 | 78.232 | 49.616 | 59  | 0.431059 | 1 |
| Q3UKJ6;Q3TFE5;O: Pre-mRNA-splicing factor ATP-depe Dhx15     | 22.4316 | 22.8272 | 11 | 91.006 | 24.646 | 44  | 0.668096 | 1 |
| O35295 Transcriptional activator protein Pt Purb             | 25.4652 | 25.4444 | 13 | 33.901 | 153.97 | 140 | 0.87806  | 1 |
| Q543M7;O35344;C Importin subunit alpha;Importin su Kpna3     | 23.6964 | 24.2052 | 14 | 57.772 | 143.15 | 75  | 0.419996 | 1 |
| Q4FJZ2;Q8BH30;O: Importin subunit alpha;Importin su Kpna6    | 22.6328 | 22.5122 | 11 | 59.602 | 29.537 | 22  | 0.92765  | 1 |
| Q69ZD1;O35382;Q Exocyst complex component 4 Exoc4            | 24.2939 | 24.0355 | 19 | 110.77 | 40.074 | 70  | 0.665508 | 1 |
| O35405 Phospholipase D3 Pld3                                 | 25.0651 | 25.082  | 12 | 54.388 | 66.537 | 100 | 0.97199  | 1 |
| O35459;F7B227 Delta(3,5)-Delta(2,4)-dienoyl-CoA i Ech1       | 21.8889 | 23.0037 | 7  | 36.118 | 15.396 | 25  | 0.348985 | 1 |
| Q5D0A4;Q497P1;O Syntaxin-1A Stx1a                            | 28.3719 | 28.5472 | 19 | 32.923 | 323.31 | 884 | 0.68683  | 1 |
| O35551;J3QJV7 Rab GTPase-binding effector protei Rabep1      | 24.7969 | 23.6165 | 8  | 99.523 | 5.5922 | 16  | 0.515546 | 1 |
| O35593;Q9CSU2;Q 26S proteasome non-ATPase regul; Psm d14     | 24.9215 | 25.0403 | 11 | 34.577 | 68.609 | 93  | 0.649082 | 1 |
| Q545Q8;O35621;Q Phosphomannomutase;Phosphom. Pmm1            | 22.8114 | 23.9884 | 10 | 29.774 | 34.782 | 60  | 0.421842 | 1 |
| Q49S98;O35633 Vesicular inhibitory amino acid trar Slc32a1   | 26.8519 | 26.9392 | 18 | 57.38  | 102.23 | 178 | 0.745092 | 1 |
| Q8C1X9;Q3U737;Q Annexin;Annexin A3 Anxa3                     | 23.3515 | 23.4457 | 15 | 36.356 | 31.726 | 74  | 0.758054 | 1 |
| Q0VE46;O35682 Myeloid-associated differentiation Myadm       | 23.0871 | 24.066  | 5  | 35.284 | 36.414 | 38  | 0.456001 | 1 |
| O35685 Nuclear migration protein nudC Nudc                   | 25.1306 | 25.361  | 18 | 38.358 | 51.276 | 89  | 0.626023 | 1 |
| Q811L7;Q8C2Q7;O Heterogeneous nuclear ribonucleo Hnrnph1     | 26.6841 | 26.7406 | 12 | 49.199 | 322.61 | 322 | 0.899776 | 1 |
| Q3UYQ4;O35841 Apoptosis inhibitor 5 Api5                     | 22.8514 | 21.6123 | 7  | 59.046 | 34.824 | 12  | 0.241732 | 1 |
| Q3ULU3;O35855;O Branched-chain-amino-acid aminot Bcat2       | 22.0993 | 22.3246 | 7  | 44.127 | 21.184 | 45  | 0.632777 | 1 |
| Q8R3X4;O35857 Mitochondrial import inner membe Timm44        | 24.3744 | 26.1544 | 11 | 50.888 | 21.905 | 44  | 0.485747 | 1 |
| O35864 COP9 signalosome complex subuni Cops5                 | 24.5298 | 24.3887 | 16 | 37.548 | 54.999 | 163 | 0.431067 | 1 |
| Q9ESU8;Q8BXT5;Q Amino acid transporter;Neutral am Slc1a4     | 26.1791 | 26.3365 | 8  | 56.031 | 169.54 | 174 | 0.638209 | 1 |
| Q3TUF3;O35887;Q Calumenin Calu                               | 22.3382 | 22.5727 | 9  | 37.063 | 20.725 | 31  | 0.748353 | 1 |
| O35954 Membrane-associated phosphatidy Pitpnm1               | 25.9195 | 25.9542 | 26 | 134.94 | 87.518 | 158 | 0.771399 | 1 |
| O54724 Polymerase I and transcript release Ptrf              | 21.5404 | 21.9673 | 9  | 43.953 | 41.784 | 49  | 0.561983 | 1 |
| Q3UG68;Q3UC51;C Dolichyl-diphosphooligosaccharide Ddost      | 24.4298 | 24.5986 | 10 | 48.985 | 18.809 | 87  | 0.518487 | 1 |
| O54774;Q3U237;Q AP-3 complex subunit delta-1 Ap3d1           | 27.6071 | 27.5287 | 42 | 135.08 | 210.21 | 392 | 0.507477 | 1 |
| Q8BPF9;Q545V8;O Casein kinase II subunit alpha Csnk2a2       | 24.2895 | 24.3063 | 15 | 41.171 | 49.827 | 132 | 0.876559 | 1 |
| Q3UTI4;O54865;Q: Guanylate cyclase soluble subunit I Gucy1b3 | 24.7941 | 24.8781 | 21 | 69.005 | 49.326 | 140 | 0.468801 | 1 |
| O54946;A0A0G2JEI DnaJ homolog subfamily B membe Dnajb6       | 22.7617 | 24.3842 | 8  | 39.807 | 29.774 | 71  | 0.270011 | 1 |
| Q3TWR3;O54950;C 5-AMP-activated protein kinase sul Prkag1    | 21.7242 | 21.2406 | 6  | 37.52  | 6.8823 | 17  | 0.415199 | 1 |

|                              |                                       |              |         |         |    |        |        |      |          |   |
|------------------------------|---------------------------------------|--------------|---------|---------|----|--------|--------|------|----------|---|
| Q3UPX0;O54983                | Ketimine reductase mu-crystallin      | Crym         | 27.8235 | 27.8573 | 16 | 33.523 | 323.31 | 436  | 0.866547 | 1 |
| O54984;Q8VEI6;Q&ATPase Asna1 |                                       | Asna1        | 25.4832 | 25.4612 | 13 | 38.822 | 119.91 | 159  | 0.835651 | 1 |
| O54991;Q3U428                | Contactin-associated protein 1        | Cntnap1      | 27.1492 | 27.0733 | 34 | 156.31 | 179.71 | 352  | 0.879482 | 1 |
| Q3U9K9;O55013                | Trafficking protein particle comple   | Trappc3      | 24.7992 | 23.4822 | 7  | 20.302 | 15.806 | 63   | 0.375085 | 1 |
| Q3TFP8;Q3TXU8;Q              | Membrane-associated progesteror       | Pgrmc1       | 24.0927 | 25.5326 | 10 | 19.746 | 46.992 | 115  | 0.348227 | 1 |
| Q921R1;Q3T9U8;O              | Ectonucleoside triphosphate diphosph  | Entpd2       | 23.8983 | 23.8157 | 10 | 54.319 | 33.251 | 43   | 0.81136  | 1 |
| Q3UCB5;Q3UC13;C              | [3-methyl-2-oxobutanoate dehydr       | Bckdk        | 21.4994 | 20.6855 | 5  | 46.587 | 8.7646 | 17   | 0.408614 | 1 |
| O55029                       | Coatomer subunit beta                 | Copb2        | 24.5381 | 24.2137 | 17 | 102.45 | 49.157 | 43   | 0.086295 | 1 |
| Q8BQ28;O55033                | Cytoplasmic protein NCK2              | Nck2         | 21.727  | 21.5221 | 7  | 42.862 | 14.208 | 31   | 0.674283 | 1 |
| O55042                       | Alpha-synuclein                       | Snca         | 30.3557 | 27.7624 | 15 | 14.485 | 323.31 | 541  | 0.333549 | 1 |
| O55074;Q7TN79;Q              | A-kinase anchor protein 7 isoform     | Akap7        | 22.0436 | 20.8834 | 5  | 9.169  | 6.3221 | 11   | 0.311169 | 1 |
| O55091                       | Protein IMPACT                        | Impact       | 24.4357 | 24.1894 | 16 | 36.276 | 83.193 | 100  | 0.67614  | 1 |
| Q3U6D7;O55100                | Synaptogyrin-1                        | Syngr1       | 26.9577 | 27.0875 | 3  | 21.294 | 71.246 | 208  | 0.801375 | 1 |
| O55106;F8WH41;C              | Striatin                              | Strn         | 23.8349 | 23.8058 | 15 | 85.965 | 36.43  | 56   | 0.965472 | 1 |
| Q3UQS9;Q14BI5;O              | Myomesin 2                            | Myom2        | 23.8938 | 22.8597 | 2  | 164.78 | 1.8715 | 18   | 0.712577 | 1 |
| Q5SVF7;O55125;Q              | Protein NipSnap homolog 1             | Nipsnap1     | 24.9341 | 27.493  | 18 | 33.363 | 280.12 | 413  | 0.364434 | 1 |
| Q8BQV7;Q6ZWX1;               | 60S ribosomal protein L35a            | Rpl35a       | 24.2333 | 22.0527 | 7  | 12.563 | 6.679  | 28   | 0.222193 | 1 |
| Q5DTI2;O55143;O              | Sarcoplasmic/endoplasmic reticulum    | Atp2a2       | 29.9408 | 29.8725 | 54 | 116.6  | 323.31 | 1229 | 0.831439 | 1 |
| O55222                       | Integrin-linked protein kinase        | Ilk          | 21.0424 | 21.4868 | 7  | 51.373 | 11.883 | 17   | 0.212582 | 1 |
| O55234;Q8BTY5                | Proteasome subunit beta type-5        | Psmb5        | 27.055  | 24.2779 | 16 | 28.532 | 76.022 | 249  | 0.211754 | 1 |
| Q9CZS7;Q544E3;O              | Phosphatidylinositol 5-phosphate 4    | Pip4k2a      | 23.418  | 23.2486 | 17 | 46.09  | 38.925 | 65   | 0.61485  | 1 |
| O70194                       | Eukaryotic translation initiation fac | Eif3d        | 22.3843 | 22.4059 | 8  | 63.988 | 26.812 | 16   | 0.982804 | 1 |
| Q5NCI4;O70250                | Phosphoglycerate mutase 2             | Pgam2        | 21.1035 | 23.1454 | 10 | 28.827 | 7.2647 | 31   | 0.106718 | 1 |
| O70251;A0A087W               | Elongation factor 1-beta              | Eef1b;Eef1b2 | 23.2565 | 25.0006 | 6  | 24.693 | 69.474 | 145  | 0.387255 | 1 |
| Q544R7;Q3U6W4;               | Heme oxygenase 2                      | Hmox2        | 23.7724 | 24.109  | 13 | 35.738 | 102.16 | 87   | 0.534228 | 1 |
| O70274;Q3UXF9                | Protein tyrosine phosphatase type     | Ptp4a2       | 23.7227 | 22.6324 | 4  | 19.127 | 10.013 | 28   | 0.309128 | 1 |
| Q3UJC3;O70310                | Glycylpeptide N-tetradecanoyltran     | Nmt1         | 25.0792 | 25.0887 | 17 | 56.888 | 64.779 | 86   | 0.954968 | 1 |
| Q8R3X0;O70349;Q              | 6NZR5;Q3TW36;G3UYT1;Q8CDP6            | Skiv2l;SKI   | 21.0259 | 20.8835 | 2  | 88.133 | 4.1641 | 4    | 0.132365 | 1 |
| Q3TPU5;O70378;V              | ER membrane protein complex sub       | Emc8         | 21.8721 | 21.0466 | 6  | 23.348 | 7.6124 | 11   | 0.240051 | 1 |
| Q9DCD8;Q58EV4;C              | Proteasome subunit alpha type;        | Prsc3        | 24.3132 | 25.9234 | 11 | 28.49  | 65.962 | 134  | 0.366252 | 1 |
| Q8BH40;O70439;Q              | Syntaxin-7                            | Stx7         | 23.8597 | 24.8719 | 10 | 29.736 | 159.69 | 68   | 0.195452 | 1 |
| Q542R8;O70443;Q              | Guanine nucleotide-binding protein    | Gnaz         | 26.1083 | 26.2004 | 19 | 40.849 | 161.15 | 361  | 0.11499  | 1 |
| O70456;Q9JJ20                | 14-3-3 protein sigma                  | Sfn          | 25.5819 | 24.8654 | 6  | 27.706 | 3.053  | 28   | 0.849262 | 1 |

|  |             |         |         |     |        |        |      |          |   |
|--|-------------|---------|---------|-----|--------|--------|------|----------|---|
| Q8BSN6;O70480;A Vesicle-associated membrane prot     | Vamp4       | 22.2152 | 21.6214 | 3   | 16.358 | 8.3235 | 12   | 0.136005 | 1 |
| Q0VGQ1;O70503 Very-long-chain 3-oxoacyl-CoA red      | Hsd17b12    | 21.8492 | 23.4515 | 13  | 34.741 | 25.169 | 39   | 0.277034 | 1 |
| O70569;P62264;D 40S ribosomal protein S14            | rps14;Rps14 | 25.5938 | 23.6956 | 9   | 16.301 | 67.206 | 119  | 0.426532 | 1 |
| O70591;F8WJ30 Prefoldin subunit 2                    | Pfdn2       | 22.7865 | 20.8377 | 5   | 16.534 | 9.2551 | 20   | 0.119647 | 1 |
| O88307;Q3U2X9 Sortilin-related receptor              | Sorl1       | 23.0733 | 22.7528 | 10  | 247.08 | 10.912 | 12   | 0.503717 | 1 |
| Q8R5G0;Q8CFA3;Q Nidogen-2                            | Nid2;NID-2  | 23.81   | 23.049  | 11  | 153.94 | 25.776 | 39   | 0.140042 | 1 |
| Q3TJY2;O88342;Q WD repeat-containing protein 1       | Wdr1        | 29.0516 | 29.135  | 34  | 66.406 | 323.31 | 911  | 0.606344 | 1 |
| Q3TI40;O88441;Q8 Metaxin-2                           | Mtx2        | 23.8269 | 25.4972 | 11  | 29.786 | 152.55 | 164  | 0.459032 | 1 |
| O88444;Q5DTQ1 Adenylate cyclase type 1               | Adcy1       | 21.9622 | 21.889  | 6   | 123.37 | 8.906  | 12   | 0.937231 | 1 |
| O88485;D3Z0M6;D Cytoplasmic dynein 1 intermediate    | Dync1i1     | 25.6997 | 25.7916 | 20  | 70.724 | 170.78 | 180  | 0.582987 | 1 |
| Q3TEL0;Q3UB92;Q Palmitoyl-protein thioesterase 1     | Ppt1        | 24.5854 | 24.7131 | 10  | 34.154 | 116.16 | 175  | 0.805449 | 1 |
| Q3UQL2;O88543;Q COP9 signalosome complex subuni      | Cops3       | 24.3529 | 24.218  | 11  | 47.832 | 82.776 | 144  | 0.821989 | 1 |
| Q14AI7;O88544;Q COP9 signalosome complex subuni      | Cops4       | 26.2366 | 26.2161 | 25  | 46.284 | 248.47 | 250  | 0.85904  | 1 |
| O88569;B7ZP22 Heterogeneous nuclear ribonucleo       | Hnrnpa2b1   | 28.8298 | 28.8184 | 24  | 37.402 | 323.31 | 665  | 0.971749 | 1 |
| O88587 Catechol O-methyltransferase                  | Comt        | 22.0378 | 22.6685 | 5   | 29.486 | 9.2473 | 27   | 0.501318 | 1 |
| Q3U8Y7;Q3TKG4;O 26S protease regulatory subunit 6A   | Psmc3       | 24.7606 | 24.905  | 21  | 47.338 | 105.26 | 176  | 0.388392 | 1 |
| Q8CF81;Q3UGW4;(ATP-dependent Clp protease prote      | Clpp        | 21.9428 | 23.5808 | 5   | 20.503 | 18.849 | 38   | 0.237567 | 1 |
| O88704 Potassium/sodium hyperpolarizati              | Hcn1        | 23.0679 | 23.079  | 10  | 102.43 | 10.61  | 19   | 0.993778 | 1 |
| O88712;A0A0J9YU(C-terminal-binding protein 1         | Ctbp1       | 27.1102 | 27.1293 | 17  | 47.744 | 323.31 | 400  | 0.932602 | 1 |
| O88737 Protein bassoon                               | Bsn         | 30.048  | 29.9435 | 121 | 418.84 | 323.31 | 1405 | 0.706827 | 1 |
| S4R1L5;S4R2P8;O8 Baculoviral IAP repeat-containing p | Birc6       | 21.5532 | 22.1616 | 6   | 529.32 | 8.0158 | 9    | 0.390436 | 1 |
| Q3UEX4;O88741;Q Ganglioside-induced differentiator   | Gdap1       | 24.9755 | 25.1609 | 13  | 41.284 | 153.39 | 140  | 0.771852 | 1 |
| Q561M4;Q3UDC3;(Target of Myb protein 1               | Tom1        | 23.8711 | 23.7711 | 14  | 54.325 | 134.25 | 87   | 0.837213 | 1 |
| O88783 Coagulation factor V;Coagulation fa           | F5          | 23.8208 | 23.4336 | 1   | 247.23 | 2.3527 | 26   | 0.867739 | 1 |
| Q5HZJ8;Q8C338;O Isocitrate dehydrogenase [NADP];l    | Idh1        | 26.6925 | 26.7354 | 26  | 46.674 | 323.31 | 407  | 0.724921 | 1 |
| O88845 A-kinase anchor protein 10, mitoch            | Akap10      | 21.1274 | 21.19   | 6   | 73.631 | 11.186 | 11   | 0.895368 | 1 |
| Q8VCV3;Q3TUM2;(ADP-ribosylation factor-like proteir  | Arl6        | 21.3368 | 20.672  | 4   | 21.001 | 4.9567 | 8    | 0.00763  | 1 |
| O88935 Synapsin-1                                    | Syn1        | 31.547  | 31.5604 | 35  | 74.096 | 323.31 | 3685 | 0.868008 | 1 |
| O88951 Protein lin-7 homolog B                       | Lin7b       | 22.5462 | 22.3787 | 8   | 22.914 | 11.622 | 28   | 0.829607 | 1 |
| Q3TTY6;O88952;Q Protein lin-7 homolog C              | Lin7c       | 21.1871 | 20.8053 | 7   | 21.447 | 4.5825 | 12   | 0.71762  | 1 |
| O88958;Q6A0D9;Q Glucosamine-6-phosphate isomera      | Gnpda1      | 22.9156 | 23.9004 | 12  | 32.549 | 32.853 | 87   | 0.328119 | 1 |
| Q9CZ08;O88986;E 2-amino-3-ketobutyrate coenzyme      | Gcat        | 22.2625 | 22.4842 | 4   | 44.904 | 47.361 | 23   | 0.793331 | 1 |
| Q8R357;O88998;A Noelin                               | Olfm1       | 23.7812 | 23.5853 | 7   | 55.427 | 31.125 | 41   | 0.734129 | 1 |

|                 |                                     |                |         |         |    |        |        |      |          |   |
|-----------------|-------------------------------------|----------------|---------|---------|----|--------|--------|------|----------|---|
| O89001          | Carboxypeptidase D                  | Cpd            | 23.435  | 23.0141 | 8  | 152.4  | 14.365 | 12   | 0.670835 | 1 |
| Q8BNF3;Q3U2Z6;Q | Tripeptidyl-peptidase 1             | Tpp1           | 24.9381 | 25.163  | 4  | 34.522 | 185.34 | 64   | 0.645064 | 1 |
| Q9JME4;Q9D1Q3;C | Integral membrane protein 2B;BRI    | Itn2b          | 21.3501 | 21.5459 | 4  | 24.164 | 6.8024 | 13   | 0.843135 | 1 |
| Q3U232;Q3U1N0;C | Coronin;Coronin-1A                  | Coro1a         | 28.9557 | 28.8807 | 23 | 50.959 | 323.31 | 629  | 0.764314 | 1 |
| O89079;D3Z315;Q | Coatomer subunit epsilon            | Cope           | 20.8029 | 21.7526 | 6  | 34.567 | 8.037  | 15   | 0.102688 | 1 |
| Q545K5;O89086;Q | RNA-binding protein 3               | Rbm3           | 21.4513 | 21.7124 | 3  | 16.604 | 10.36  | 16   | 0.820947 | 1 |
| O89112;B2KGR2   | LanC-like protein 1                 | Lancl1         | 25.3655 | 25.5168 | 13 | 45.341 | 119.96 | 186  | 0.4784   | 1 |
| Q5FWJ7;O89116   | Vesicle transport through interacti | Vti1a          | 20.9123 | 22.7401 | 3  | 25.868 | 10.022 | 17   | 0.132111 | 1 |
| Q9MD68;Q70YN3;I | Cytochrome c oxidase subunit 1      | mt-Co1;COI;Mtr | 26.4144 | 26.4065 | 5  | 56.909 | 120.85 | 124  | 0.984863 | 1 |
| Q99KF5;P00493   | Hypoxanthine-guanine phosphorib     | Hprt;Hprt1     | 25.0015 | 26.9853 | 14 | 24.544 | 71.985 | 342  | 0.413846 | 1 |
| Q7JCY9;Q3V2U3;Q | ATP synthase subunit a              | mt-Atp6;Mtatpl | 22.5402 | 22.4234 | 2  | 25.095 | 3.0838 | 8    | 0.939975 | 1 |
| P00920          | Carbonic anhydrase 2                | Ca2            | 25.688  | 28.1619 | 13 | 29.032 | 156.07 | 429  | 0.317775 | 1 |
| Q53YX2;P01831   | Thy-1 membrane glycoprotein         | Thy1           | 29.5762 | 29.8899 | 7  | 18.108 | 223.84 | 788  | 0.718674 | 1 |
| P02463;A0A1B0GR | Collagen alpha-1(IV) chain;Arrester | Col4a1         | 23.5641 | 23.2284 | 5  | 160.68 | 42.037 | 24   | 0.833772 | 1 |
| P03995          | Glial fibrillary acidic protein     | Gfap           | 28.7631 | 28.9077 | 35 | 49.899 | 323.31 | 817  | 0.780919 | 1 |
| P04627;B1AUN8;Q | Serine/threonine-protein kinase A-  | Araf           | 21.7072 | 21.2508 | 7  | 67.581 | 5.2072 | 18   | 0.114884 | 1 |
| Q53ZN9;Q3U065;Q | Anion exchange protein;Band 3 ani   | Slc4a1         | 23.2201 | 23.8034 | 10 | 103.13 | 23.395 | 49   | 0.283599 | 1 |
| Q9QYT9;Q4FJQ7;Q | Major prion protein                 | Prnpb;Prnp     | 22.6745 | 24.3482 | 7  | 28.009 | 15.131 | 59   | 0.290715 | 1 |
| P05063          | Fructose-bisphosphate aldolase C    | Aldoc          | 29.7841 | 29.8189 | 34 | 39.394 | 323.31 | 1609 | 0.723706 | 1 |
| Q5FWB7;P05064;A | Fructose-bisphosphate aldolase;Fri  | Aldoa;Aldoart1 | 32.0904 | 32.0181 | 36 | 39.355 | 323.31 | 3404 | 0.607788 | 1 |
| P05132          | cAMP-dependent protein kinase ca    | Prkaca         | 24.7971 | 24.7775 | 22 | 40.57  | 147.68 | 162  | 0.912106 | 1 |
| P05201          | Aspartate aminotransferase, cytop   | Got1           | 30.2709 | 30.2954 | 32 | 46.247 | 323.31 | 1450 | 0.74964  | 1 |
| P05202          | Aspartate aminotransferase, mitoc   | Got2           | 31.1999 | 31.2549 | 34 | 47.411 | 323.31 | 2166 | 0.042561 | 1 |
| P05213;Q99KA2   | Tubulin alpha-1B chain              | Tuba1b         | 29.9602 | 29.8356 | 36 | 50.151 | 290.8  | 2609 | 0.782395 | 1 |
| P05532          | Mast/stem cell growth factor receç  | Kit            | 21.6606 | 21.2698 | 3  | 109.34 | 2.5532 | 5    | 0.426609 | 1 |
| Q564E2;P06151;Q | L-lactate dehydrogenase;L-lactate   | Ldha           | 30.3298 | 30.606  | 26 | 36.498 | 323.31 | 1444 | 0.475827 | 1 |
| Q9DBN0;P06728;Q | Apolipoprotein A-IV                 | Apoa4          | 21.5071 | 20.7949 | 5  | 45.043 | 7.3726 | 9    | 0.095779 | 1 |
| P06745;B7ZWL9;B | Glucose-6-phosphate isomerase       | Gpi;Gpi1       | 30.941  | 30.7557 | 33 | 62.766 | 323.31 | 2028 | 0.612048 | 1 |
| P06801;Q3TQP6;Q | NADP-dependent malic enzyme;Mi      | Me1            | 25.6418 | 25.5787 | 23 | 63.953 | 285.21 | 172  | 0.684408 | 1 |
| P06837          | Neuromodulin                        | Gap43          | 27.2955 | 27.7971 | 14 | 23.632 | 323.31 | 258  | 0.16424  | 1 |
| Q542G9;P07356;Q | Annexin;Annexin A2                  | Anxa2          | 24.1127 | 23.8124 | 19 | 38.676 | 166.13 | 137  | 0.587116 | 1 |
| Q546G4;P07724   | Serum albumin                       | Alb            | 30.1974 | 30.2712 | 48 | 68.692 | 323.31 | 1653 | 0.772338 | 1 |
| Q80Y52;P07901;Q | Heat shock protein HSP 90-alpha     | Hsp90aa1       | 31.1211 | 31.2003 | 59 | 84.787 | 323.31 | 2936 | 0.77821  | 1 |

|                  |  |               |         |         |    |        |        |      |          |   |
|------------------|--|---------------|---------|---------|----|--------|--------|------|----------|---|
| P08030           | Adenine phosphoribosyltransferase                | Aprt          | 22.7649 | 22.3721 | 6  | 19.724 | 50.299 | 35   | 0.85813  | 1 |
| Q91V38;Q3UAD6;P  | Endoplasmic reticulum chaperone                  | Hsp90b1       | 27.9013 | 27.9839 | 40 | 92.489 | 323.31 | 507  | 0.836267 | 1 |
| Q6GTX3;Q4FK40;Q  | Apolipoprotein E                                 | ApoE          | 27.0355 | 27.7309 | 20 | 35.852 | 323.31 | 409  | 0.277205 | 1 |
| P08228           | Superoxide dismutase [Cu-Zn]                     | Sod1          | 28.406  | 25.6177 | 10 | 15.942 | 92.871 | 232  | 0.396197 | 1 |
| P08249           | Malate dehydrogenase, mitochondria               | Mdh2          | 31.6046 | 31.4359 | 21 | 35.611 | 323.31 | 2293 | 0.420585 | 1 |
| Q8BGR3;P08414    | Calcium/calmodulin-dependent protein kinase      | Camk4         | 24.3665 | 24.4494 | 15 | 52.542 | 84.266 | 74   | 0.587348 | 1 |
| Q05DD2;P08551    | Neurofilament light polypeptide                  | Nefl          | 27.2135 | 27.1877 | 38 | 57.825 | 323.31 | 492  | 0.96265  | 1 |
| P08752;A0A0A6YW  | Guanine nucleotide-binding protein               | Gnai2         | 26.2561 | 26.2647 | 23 | 40.489 | 192.69 | 278  | 0.975563 | 1 |
| P09055           | Integrin beta-1                                  | Itgb1         | 23.1085 | 22.7265 | 6  | 88.231 | 14.76  | 22   | 0.558286 | 1 |
| Q3UDR2;Q3TWE3;P  | Protein disulfide-isomerase                      | P4hb          | 26.9861 | 27.0995 | 27 | 56.6   | 319.76 | 360  | 0.240168 | 1 |
| Q8CD23;Q3TL52;P  | Nucleolin  | Ncl           | 25.851  | 25.9814 | 23 | 76.864 | 159.37 | 204  | 0.507665 | 1 |
| P09411;S4R2M7    | Phosphoglycerate kinase 1                        | Pgk1          | 30.3926 | 30.4755 | 35 | 44.55  | 323.31 | 1675 | 0.629577 | 1 |
| P09528           | Ferritin heavy chain                             | Fth1          | 27.5459 | 27.1831 | 13 | 21.066 | 61.972 | 260  | 0.279457 | 1 |
| Q4FJX9;P09671;Q3 | Superoxide dismutase                             | Sod2          | 28.8813 | 26.0228 | 13 | 24.603 | 323.31 | 407  | 0.33944  | 1 |
| P0C028;P0C027    | Diphosphoinositol polyphosphate                  | Nudt11;Nudt10 | 23.7273 | 22.5669 | 7  | 18.593 | 13.137 | 32   | 0.499969 | 1 |
| P0C192;D3YZP3;D3 | Leucine-rich repeat-containing protein           | Lrrc4b        | 22.5937 | 22.1322 | 7  | 76.155 | 6.1121 | 11   | 0.162557 | 1 |
| Q58E64;Q3UA81;P  | Elongation factor 1-alpha                        | Eef1a1        | 31.4552 | 31.3504 | 22 | 50.113 | 323.31 | 1952 | 0.718421 | 1 |
| P10493           | Nidogen-1  | Nid1          | 23.2763 | 23.9133 | 8  | 136.54 | 15.001 | 30   | 0.565295 | 1 |
| Q9DD05;P10518;Q  | Delta-aminolevulinic acid dehydratase            | Alad          | 24.8657 | 24.8342 | 16 | 36.039 | 88.409 | 110  | 0.602071 | 1 |
| Q3TVS6;P10605;Q  | Cathepsin B                                      | Ctsb          | 25.5143 | 27.1215 | 12 | 37.319 | 115.99 | 223  | 0.298005 | 1 |
| Q52KC1;P10630;Q  | Eukaryotic initiation factor 4A-II               | Eif4a2        | 27.5065 | 27.4616 | 23 | 46.402 | 323.31 | 459  | 0.90746  | 1 |
| P10639           | Thioredoxin                                      | Txn           | 24.4124 | 23.5989 | 5  | 11.675 | 10.963 | 59   | 0.498615 | 1 |
| P10649;A2AE89;F6 | Glutathione S-transferase Mu 1                   | Gstm1         | 27.3207 | 30.1648 | 22 | 25.97  | 302.15 | 826  | 0.369439 | 1 |
| Q3UWX7;P10711;C  | Transcription elongation factor A                | Tcea1         | 21.0296 | 21.2485 | 8  | 33.88  | 21.109 | 13   | 0.647446 | 1 |
| P10852;Q3TN39;Q  | CD44 cell-surface antigen heavy chain            | Slc3a2        | 28.4181 | 28.5304 | 23 | 58.336 | 323.31 | 665  | 0.09221  | 1 |
| Q8C1Y3;Q3U4Y0;P  | Histone H1.0                                     | H1f0          | 23.0799 | 24.7031 | 6  | 19.253 | 17.771 | 41   | 0.270335 | 1 |
| P11031           | Activated RNA polymerase II transcription factor | Sub1          | 26.1005 | 23.3116 | 7  | 14.427 | 32.722 | 125  | 0.310041 | 1 |
| P11352;A0A0A6YY  | Glutathione peroxidase 1                         | Gpx1          | 22.8528 | 22.4555 | 7  | 22.329 | 14.124 | 77   | 0.823005 | 1 |
| Q5EBJ0;P11404;A0 | Fatty acid-binding protein, heart                | Fabp3         | 26.4242 | 25.0811 | 9  | 14.819 | 41.558 | 169  | 0.53457  | 1 |
| Q8VH34;Q3TX84;Q  | Lysosome-associated membrane glycoprotein        | Lamp1         | 20.6287 | 22.5774 | 4  | 43.879 | 8.3332 | 6    | 0.11561  | 1 |
| Q71LX8;P11499    | Heat shock protein HSP 90-beta                   | Hsp90ab1      | 30.4014 | 30.4624 | 57 | 83.28  | 323.31 | 1859 | 0.80694  | 1 |
| P11798;Q80TN1;F  | Calcium/calmodulin-dependent protein kinase      | Camk2a        | 31.795  | 31.8302 | 33 | 54.114 | 323.31 | 3379 | 0.902559 | 1 |
| P11881           | Inositol 1,4,5-trisphosphate receptor            | Itpr1         | 27.7965 | 27.822  | 82 | 313.16 | 323.31 | 507  | 0.870977 | 1 |

|                   |                                     |          |         |         |    |        |        |      |          |   |
|-------------------|-------------------------------------|----------|---------|---------|----|--------|--------|------|----------|---|
| P11983            | T-complex protein 1 subunit alpha   | Tcp1     | 28.1586 | 28.1623 | 30 | 60.448 | 323.31 | 418  | 0.975943 | 1 |
| P12382;Q8CD98     | ATP-dependent 6-phosphofructoki     | Pfkl     | 28.0137 | 28.1643 | 30 | 85.359 | 323.31 | 701  | 0.264137 | 1 |
| P12657            | Muscarinic acetylcholine receptor I | Chrm1    | 21.9343 | 22.2186 | 3  | 51.378 | 10.44  | 13   | 0.753585 | 1 |
| P12658;Q8CEF3;Q&E | Calbindin                           | Calb1    | 24.6418 | 26.2581 | 14 | 29.994 | 184.07 | 115  | 0.38567  | 1 |
| P12787            | Cytochrome c oxidase subunit 5A, i  | Cox5a    | 25.5523 | 24.4427 | 7  | 16.101 | 134.48 | 123  | 0.57437  | 1 |
| P12815;Q8C5M4;Q   | Programmed cell death protein 6     | Pdcd6    | 24.9127 | 23.3581 | 8  | 21.867 | 14.687 | 107  | 0.356033 | 1 |
| P12849;Q3TY04;Q&E | cAMP-dependent protein kinase ty    | Prkar1b  | 24.6901 | 24.8545 | 13 | 43.224 | 79.421 | 119  | 0.49435  | 1 |
| P12960            | Contactin-1                         | Cntn1    | 30.5687 | 30.7026 | 50 | 113.39 | 323.31 | 1616 | 0.244567 | 1 |
| Q6P1A9;Q5EBG5;Q   | 60S ribosomal protein L7a           | Rpl7a    | 23.1514 | 26.0067 | 16 | 30.024 | 106.19 | 112  | 0.22191  | 1 |
| P13595            | Neural cell adhesion molecule 1     | Ncam1    | 27.939  | 28.0834 | 37 | 119.43 | 10.278 | 79   | 0.535213 | 1 |
| P13634            | Carbonic anhydrase 1                | Ca1      | 22.3375 | 23.4571 | 10 | 28.33  | 23.573 | 29   | 0.286811 | 1 |
| Q545P0;P14094;Q&E | Sodium/potassium-transporting AT    | Atp1b1   | 31.5419 | 31.6518 | 18 | 35.194 | 323.31 | 1524 | 0.542424 | 1 |
| Q3U6I5;P14106;Q3  | Complement C1q subcomponent s       | C1qb     | 21.2586 | 21.9396 | 3  | 26.751 | 5.2413 | 16   | 0.38282  | 1 |
| P14115            | 60S ribosomal protein L27a          | Rpl27a   | 25.8664 | 23.868  | 5  | 16.605 | 13.268 | 117  | 0.393183 | 1 |
| Q5M9N8;Q3UBI6;F   | 60S ribosomal protein L7            | Rpl7     | 24.9023 | 25.8625 | 14 | 31.419 | 59.208 | 95   | 0.050864 | 1 |
| P14152            | Malate dehydrogenase, cytoplasmic   | Mdh1     | 30.0627 | 30.5676 | 21 | 36.511 | 323.31 | 1246 | 0.326555 | 1 |
| Q3UR55;P14231     | Sodium/potassium-transporting AT    | Atp1b2   | 27.7268 | 27.7135 | 13 | 33.344 | 179.24 | 317  | 0.979007 | 1 |
| Q545F4;P14602;D&E | Heat shock protein beta-1           | Hspb1    | 21.3555 | 23.1374 | 8  | 23.014 | 10.781 | 20   | 0.203235 | 1 |
| Q3ULJ5;P14685;Q8  | 26S proteasome non-ATPase regul     | Psmd3    | 25.1131 | 25.1701 | 22 | 60.714 | 104.99 | 151  | 0.735634 | 1 |
| P14733            | Lamin-B1                            | Lmnb1    | 25.7095 | 25.6058 | 27 | 66.785 | 119.87 | 110  | 0.800296 | 1 |
| Q5M8R8;P14869;Q   | 60S acidic ribosomal protein P0     | Rplp0    | 25.636  | 25.519  | 16 | 34.216 | 99.097 | 195  | 0.663407 | 1 |
| P15105            | Glutamine synthetase                | Glul     | 30.3521 | 30.4305 | 23 | 42.119 | 323.31 | 1544 | 0.267592 | 1 |
| P15209            | BDNF/NT-3 growth factors recepto    | Ntrk2    | 25.8461 | 25.9543 | 17 | 92.132 | 176.09 | 123  | 0.66327  | 1 |
| Q3TAQ8;P15327     | Bisphosphoglycerate mutase          | Bpgm     | 20.8031 | 21.9612 | 3  | 30.077 | 15.183 | 14   | 0.114049 | 1 |
| Q3UHB6;P15388;Q   | Potassium voltage-gated channel s   | Kcnc1    | 22.2643 | 22.4189 | 5  | 57.928 | 3.1683 | 6    | 0.871463 | 1 |
| Q5NC81;P15532;Q   | Nucleoside diphosphate kinase;Nu    | Nme1     | 29.8746 | 26.9282 | 16 | 17.208 | 308.86 | 790  | 0.357847 | 1 |
| P15626;D3YX76     | Glutathione S-transferase Mu 2      | Gstm2    | 20.3363 | 21.4176 | 11 | 25.716 | 3.0607 | 13   | 0.164928 | 1 |
| Q5SZA3;P15864     | Histone H1.2                        | Hist1h1c | 25.0215 | 26.0291 | 8  | 21.266 | 23.099 | 93   | 0.250967 | 1 |
| P16045            | Galectin-1                          | Lgals1   | 23.3877 | 22.5759 | 7  | 14.866 | 29.919 | 38   | 0.534664 | 1 |
| P16054            | Protein kinase C epsilon type       | Prkce    | 25.8813 | 26.1201 | 30 | 83.56  | 126.34 | 219  | 0.187111 | 1 |
| P16125;D3Z7F0     | L-lactate dehydrogenase B chain;L-  | Ldhb     | 30.6376 | 30.5064 | 24 | 36.572 | 323.31 | 1653 | 0.527775 | 1 |
| Q3TYV5;P16330;Q&E | 2,3-cyclic-nucleotide 3-phosphodie  | Cnp      | 29.2791 | 29.4135 | 33 | 47.123 | 323.31 | 1066 | 0.866088 | 1 |
| Q8VED0;P16332     | Methylmalonyl-CoA mutase, mitoc     | Mut      | 23.9967 | 24.0611 | 12 | 82.817 | 73.29  | 45   | 0.816298 | 1 |

|   |  |         |         |     |        |        |      |          |   |
|---|--|---------|---------|-----|--------|--------|------|----------|---|
| Q3TZ64;Q2KHP0;P: Potassium voltage-gated channel s Kcna1            |  | 21.7381 | 22.5436 | 10  | 40.385 | 8.0584 | 20   | 0.548916 | 1 |
| Q3UJ34;P16460;Q: Argininosuccinate synthase Ass1;Gm5424             |  | 25.5579 | 25.3892 | 24  | 46.584 | 123.23 | 196  | 0.765069 | 1 |
| Q9CZU7;Q8C876;Q: Lysosome-associated membrane gl Lamp2              |  | 20.4993 | 20.8763 | 3   | 45.673 | 2.0933 | 14   | 0.627396 | 1 |
| Q3TE85;Q566K0;P1 High mobility group protein HMG-I Hmga1            |  | 21.9951 | 20.9578 | 2   | 11.485 | 7.8131 | 5    | 0.330665 | 1 |
| Q5FW97;P17182;Q Alpha-enolase EG433182;Eno1                         |  | 32.1469 | 32.2035 | 32  | 47.14  | 323.31 | 6256 | 0.826639 | 1 |
| Q545V3;Q3UJ20;P1 Gamma-enolase;Enolase Eno2                         |  | 30.5198 | 30.5395 | 25  | 47.296 | 323.31 | 2714 | 0.868973 | 1 |
| P17426 AP-2 complex subunit alpha-1 Ap2a1                           |  | 30.8366 | 30.777  | 58  | 107.66 | 323.31 | 2073 | 0.90123  | 1 |
| Q6PEE6;Q69ZW4;P AP-2 complex subunit alpha-2 Ap2a2                  |  | 30.0706 | 30.0303 | 52  | 104    | 323.31 | 1383 | 0.872033 | 1 |
| P17563;Q63836;AC Selenium-binding protein 1;Seleniu Selenbp1;Seleni |  | 24.4892 | 24.5418 | 18  | 52.513 | 57.27  | 112  | 0.881723 | 1 |
| Q5SVY2;Q3UAI1;Q: Peptidyl-prolyl cis-trans isomerase; Ppia          |  | 31.3419 | 27.7598 | 13  | 17.971 | 323.31 | 1363 | 0.370149 | 1 |
| P17751;H7BXC3 Triosephosphate isomerase Tpi1                        |  | 28.3492 | 30.8777 | 20  | 32.191 | 323.31 | 1264 | 0.398598 | 1 |
| Q3TD17;P17809;Q: Solute carrier family 2, facilitated g Slc2a1      |  | 24.7037 | 24.7231 | 6   | 53.985 | 65.78  | 147  | 0.910227 | 1 |
| P17879;A1E2B8 Heat shock 70 kDa protein 1B Hspa1b                   |  | 25.3892 | 25.4294 | 29  | 70.175 | 182.22 | 149  | 0.681184 | 1 |
| Q544Y7;P18760;F8 Cofilin-1 Cfl1                                     |  | 31.6084 | 27.914  | 21  | 18.559 | 323.31 | 1325 | 0.379925 | 1 |
| Q543S2;P18872;D3 Guanine nucleotide-binding proteir Gnao1           |  | 31.2427 | 31.1795 | 26  | 40.084 | 323.31 | 2564 | 0.792427 | 1 |
| P19096;AOAOU1RN Fatty acid synthase;[Acyl-carrier-pr Fasn           |  | 29.8253 | 29.7412 | 109 | 272.43 | 323.31 | 1208 | 0.499646 | 1 |
| P19157;K9JA74;P4: Glutathione S-transferase P 1;Gluta Gstp1;Gstp2   |  | 28.2121 | 25.5969 | 9   | 23.609 | 323.31 | 508  | 0.400283 | 1 |
| Q80TQ3;P19246 Neurofilament heavy polypeptide Nefh                  |  | 26.283  | 26.7095 | 25  | 112.54 | 156.26 | 143  | 0.539737 | 1 |
| Q5M9M0;P19253;P: 60S ribosomal protein L13a Rpl13a                  |  | 24.1558 | 23.8599 | 6   | 23.464 | 10.177 | 53   | 0.186976 | 1 |
| Q8BVU9;Q8BV87;C Serpin H1 Serpinh1                                  |  | 21.2255 | 21.3723 | 5   | 46.51  | 40.206 | 13   | 0.758662 | 1 |
| Q9D881;P19536 Cytochrome c oxidase subunit 5B, l Cox5b              |  | 26.4841 | 24.2697 | 7   | 13.847 | 38.865 | 134  | 0.479575 | 1 |
| Q3U9G2;P20029;Q: 78 kDa glucose-regulated protein Hspa5             |  | 28.3212 | 28.3695 | 37  | 72.405 | 323.31 | 797  | 0.499418 | 1 |
| Q3TXR9;P20060 Beta-hexosaminidase;Beta-hexosai Hexb                 |  | 25.0182 | 25.1377 | 20  | 61.115 | 95.159 | 144  | 0.628596 | 1 |
| P20108;Q8K4K8 Thioredoxin-dependent peroxide re Prdx3               |  | 26.2933 | 24.5656 | 9   | 28.127 | 154.81 | 327  | 0.542089 | 1 |
| Q5FWJ3;Q3U6S1;P Vimentin Vim  |  | 27.1776 | 26.7477 | 37  | 53.687 | 323.31 | 478  | 0.143656 | 1 |
| P20357;Q3URJ7 Microtubule-associated protein 2 Map2                 |  | 31.8799 | 31.7554 | 108 | 199.13 | 323.31 | 3520 | 0.650617 | 1 |
| Q91V47;Q3UK94;Q Ubiquitin-like protein 4A DXS254E;Ubl4;l            |  | 23.5946 | 21.9286 | 8   | 17.228 | 10.519 | 28   | 0.226798 | 1 |
| Q3UPA1;P21278;Q Guanine nucleotide-binding proteir Gna11            |  | 25.5948 | 25.6513 | 20  | 42.024 | 112.14 | 178  | 0.705013 | 1 |
| Q3UHH5;P21279 Guanine nucleotide-binding proteir Gnaq               |  | 27.3725 | 27.4297 | 24  | 42.158 | 323.31 | 517  | 0.445498 | 1 |
| P21447 Multidrug resistance protein 1A Abcb1a                       |  | 23.91   | 24.4703 | 12  | 140.64 | 121.13 | 28   | 0.536164 | 1 |
| Q3U5K7;Q9EPX9;P: Cystatin-C Cst3                                    |  | 24.926  | 23.4909 | 7   | 15.217 | 44.432 | 75   | 0.478519 | 1 |
| P21619;AOAOR4JOC Lamin-B2 Lmnb2                                     |  | 25.4601 | 25.4583 | 27  | 67.317 | 104.91 | 116  | 0.996205 | 1 |
| P21981 Protein-glutamine gamma-glutamyl Tgm2                        |  | 22.258  | 22.3776 | 13  | 77.06  | 12.465 | 17   | 0.836298 | 1 |

|   |  |           |         |         |        |        |        |          |          |   |
|---|--|-----------|---------|---------|--------|--------|--------|----------|----------|---|
| Q8C3V7;Q544X6;Q Ferrochelatase;Ferrochelatase, mit Fe |  | 24.2054   | 23.9477 | 14      | 46.746 | 87.478 | 69     | 0.641991 | 1        |   |
| P22599  | Alpha-1-antitrypsin 1-2                  | Serpina1b | 22.8175 | 22.6894 | 15     | 45.974 | 19.275 | 15       | 0.895852 | 1 |
| Q8CBB7;Q3UKX8;P AP-1 complex subunit gamma-1          | Ap1g1                                    |           | 26.2676 | 26.257  | 26     | 91.721 | 153.37 | 209      | 0.902423 | 1 |
| Q3UPG1;Q3UBC6;C Porphobilinogen deaminase             | Hmbs                                     |           | 21.1339 | 21.0633 | 3      | 37.78  | 8.3748 | 17       | 0.947913 | 1 |
| P23116;Q3UL99;Q Eukaryotic translation initiation fac | Eif3a                                    |           | 26.5945 | 26.6341 | 40     | 161.93 | 139.28 | 203      | 0.865253 | 1 |
| P23242;Q7TMQ1   | Gap junction alpha-1 protein;Gap j       | Gja1      | 27.2812 | 27.1242 | 13     | 43.004 | 141.96 | 134      | 0.854328 | 1 |
| Q543K9;P23492   | Purine nucleoside phosphorylase          | Pnp       | 22.5578 | 24.0571 | 13     | 32.263 | 62.551 | 102      | 0.243703 | 1 |
| Q5HZI6;P23591   | GDP-L-fucose synthase                    | Tsta3     | 21.0227 | 21.2019 | 3      | 35.877 | 7.7189 | 10       | 0.510436 | 1 |
| Q52L78;P23927   | Alpha-crystallin B chain                 | Cryab     | 23.3292 | 22.2734 | 6      | 20.069 | 9.7972 | 17       | 0.262266 | 1 |
| Q3TJN1;Q9CXX6;Q Branched-chain-amino-acid aminot      | Bcat1                                    |           | 24.1332 | 24.3657 | 10     | 42.791 | 67.377 | 93       | 0.658243 | 1 |
| Q9DCY1;P24369   | Peptidyl-prolyl cis-trans isomerase;Ppib |           | 26.6229 | 24.8134 | 15     | 23.713 | 57.13  | 177      | 0.387508 | 1 |
| P24472  | Glutathione S-transferase A4             | Gsta4     | 25.4061 | 24.8213 | 10     | 25.564 | 73.589 | 161      | 0.738075 | 1 |
| P24527  | Leukotriene A-4 hydrolase                | Lta4h     | 26.6051 | 26.5729 | 32     | 69.05  | 234.23 | 276      | 0.916607 | 1 |
| Q3UAT9;Q3U9N8;F Inosine-5-monophosphate dehydr        | Impdh2                                   |           | 22.2651 | 21.5132 | 10     | 55.814 | 27.738 | 26       | 0.463225 | 1 |
| P24549;B2RTL5;O3 Retinal dehydrogenase 1;Aldehyde     | Aldh1a1;Aldh1a                           |           | 21.601  | 20.8092 | 8      | 54.467 | 26.563 | 18       | 0.294939 | 1 |
| Q3UKQ5;Q3UF03;F Cation-dependent mannose-6-ph         | M6pr                                     |           | 23.8714 | 23.8401 | 7      | 31.172 | 49.052 | 50       | 0.794614 | 1 |
| Q58EU3;Q3TXS9;P 40S ribosomal protein S2              | Rps2;Gm18025                             |           | 24.3563 | 26.0889 | 14     | 31.231 | 32.339 | 179      | 0.235185 | 1 |
| Q80TM2;P26039;Q Talin-1                               | Tln1                                     |           | 26.4389 | 26.2244 | 52     | 272.13 | 188.32 | 130      | 0.375295 | 1 |
| Q4KML7;Q3UXR4;C Ezrin                                 | Ezr                                      |           | 25.5738 | 25.5461 | 26     | 69.406 | 112.14 | 100      | 0.920115 | 1 |
| P26041;Q3TZQ2;Q Moesin                                | Msn                                      |           | 26.1863 | 26.3165 | 27     | 67.766 | 97.05  | 216      | 0.233694 | 1 |
| Q3TH46;Q3U111;P Radixin                               | Rdx                                      |           | 24.0696 | 24.0061 | 21     | 76.852 | 36.431 | 56       | 0.791655 | 1 |
| Q545R0;P26231;Q Catenin alpha-1                       | Ctnna1                                   |           | 23.2611 | 22.8775 | 23     | 100.11 | 178.75 | 41       | 0.870449 | 1 |
| Q3U6E4;Q0VGU2;F Prothymosin alpha;Prothymosin al      | Ptma;Gm12504                             |           | 23.3537 | 21.6336 | 3      | 12.325 | 12.907 | 10       | 0.259643 | 1 |
| Q505Q1;Q80XR5;P Splicing factor U2AF 65 kDa subuni    | U2af2                                    |           | 23.8219 | 23.8926 | 10     | 44.472 | 59.833 | 66       | 0.684476 | 1 |
| P26443;Q3TSQ7   | Glutamate dehydrogenase 1, mitoc         | Glud1     | 30.0406 | 30.0438 | 32     | 61.336 | 323.31 | 1988     | 0.977925 | 1 |
| Q3U6F6;P26638;Q Serine--tRNA ligase, cytoplasmic      | Sars                                     |           | 27.2033 | 27.206  | 23     | 58.358 | 304.37 | 411      | 0.978755 | 1 |
| P26883;Q3ULN5   | Peptidyl-prolyl cis-trans isomerase      | Fkbp1a    | 26.3722 | 24.3401 | 6      | 11.922 | 91.274 | 128      | 0.451016 | 1 |
| Q3UN87;P27048;P Small nuclear ribonucleoprotein-as    | Snrpn;Snrpb                              |           | 22.0376 | 23.6674 | 7      | 24.614 | 15.443 | 63       | 0.239302 | 1 |
| P27546;AOA140T81                                      | Microtubule-associated protein 4         | Map4      | 25.7713 | 25.6396 | 17     | 117.43 | 45.551 | 87       | 0.719065 | 1 |
| P27601;Q3UE40;Q Guanine nucleotide-binding protei     | Gna13                                    |           | 24.1369 | 24.4797 | 18     | 44.054 | 87.466 | 122      | 0.66575  | 1 |
| P27612  | Phospholipase A-2-activating prote       | Plaa      | 23.4201 | 22.9977 | 11     | 87.22  | 19.69  | 35       | 0.081152 | 1 |
| Q3UB90;Q3UB67;C 60S ribosomal protein L3              | Rpl3                                     |           | 26.0501 | 26.163  | 14     | 46.079 | 82.366 | 191      | 0.893724 | 1 |
| P27773  | Protein disulfide-isomerase A3           | Pdia3     | 28.5881 | 28.6018 | 33     | 56.678 | 323.31 | 651      | 0.860751 | 1 |

|                  |  |         |         |    |        |        |      |          |   |
|------------------|--|---------|---------|----|--------|--------|------|----------|---|
| P28028;F6SZ47    | Serine/threonine-protein kinase B- Braf            | 23.4211 | 23.1154 | 12 | 88.779 | 36.358 | 37   | 0.096658 | 1 |
| Q8VDC3;P28271    | Aconitate hydratase;Cytoplasmic a aco1;Aco1        | 24.9458 | 24.8834 | 18 | 99.102 | 62.5   | 87   | 0.83647  | 1 |
| Q544Z7;P28352;F6 | DNA-(apurinic or apyrimidinic site) Apex1          | 23.1726 | 23.0917 | 9  | 35.49  | 25.472 | 54   | 0.732105 | 1 |
| Q6P5I3;P28474    | S-(hydroxymethyl)glutathione dehyd Adh5            | 25.9238 | 25.7619 | 15 | 39.547 | 65.745 | 182  | 0.418509 | 1 |
| P28571;E9Q517;E9 | Sodium- and chloride-dependent g Slc6a9            | 22.958  | 22.3219 | 5  | 76.543 | 10.208 | 23   | 0.507841 | 1 |
| Q5SVJ0;P28652;Q5 | Calcium/calmodulin-dependent pr Camk2b             | 29.2841 | 29.2473 | 28 | 72.902 | 323.31 | 1010 | 0.765167 | 1 |
| Q3TKP3;Q3TCF4;P2 | Ataxin-10 Atxn10                                   | 23.3616 | 23.6114 | 15 | 53.71  | 50.911 | 76   | 0.765867 | 1 |
| P28661;Q5ND09;Q  | Septin-4 Sep-04                                    | 24.185  | 24.4624 | 18 | 54.935 | 68.348 | 95   | 0.645936 | 1 |
| P28663           | Beta-soluble NSF attachment prote Napb             | 25.7784 | 28.6687 | 28 | 33.557 | 323.31 | 922  | 0.276469 | 1 |
| P28665           | Murinoglobulin-1 Mug1                              | 24.8929 | 25.1223 | 22 | 165.3  | 80.159 | 81   | 0.419307 | 1 |
| P28667           | MARCKS-related protein Marcksl1                    | 21.0042 | 20.7373 | 3  | 20.165 | 7.0158 | 13   | 0.377177 | 1 |
| Q3TY51;Q8CHF1;P1 | Kinesin-like protein;Kinesin heavy c mKIAA0531;Kif | 27.2979 | 27.132  | 38 | 109.3  | 252.41 | 307  | 0.593771 | 1 |
| Q53YN4;Q3UNG2;C  | Protein kinase C delta type;Protein Prkcd          | 21.2293 | 21.1394 | 6  | 77.546 | 11.312 | 13   | 0.937423 | 1 |
| Q8BN32;Q3U8U8;F  | Polyadenylate-binding protein;Poly Pabpc1          | 26.8441 | 26.735  | 26 | 70.669 | 197.51 | 270  | 0.82303  | 1 |
| Q3U2F9;Q3THF3;P1 | Guanine nucleotide-binding proteir Gnb4            | 21.8187 | 22.8613 | 15 | 37.391 | 23.875 | 40   | 0.378902 | 1 |
| Q8BNS6;Q3UCP6;C  | Beta-hexosaminidase;Beta-hexosa Hexa               | 22.7175 | 22.7017 | 11 | 60.552 | 43.454 | 35   | 0.978001 | 1 |
| Q8K0X1;Q3UPN1;C  | Vascular cell adhesion protein 1 Vcam1             | 21.2023 | 21.1021 | 4  | 81.329 | 3.1485 | 6    | 0.880414 | 1 |
| Q3UEK9;Q3UEK5;C  | Alpha-2-HS-glycoprotein Ahsg                       | 23.1555 | 21.6818 | 5  | 37.325 | 62.024 | 30   | 0.324683 | 1 |
| Q3TG75;P29758;Q1 | Ornithine aminotransferase, mitoc Oat              | 25.8744 | 25.8551 | 20 | 48.354 | 172.15 | 200  | 0.899608 | 1 |
| P29788           | Vitronectin Vtn                                    | 21.955  | 22.0316 | 4  | 54.848 | 11.303 | 24   | 0.758062 | 1 |
| Q545N7;P30275;A1 | Creatine kinase U-type, mitochond Ckmt1            | 30.2691 | 30.3593 | 23 | 47.003 | 323.31 | 1369 | 0.021383 | 1 |
| P30416;F6S2D5    | Peptidyl-prolyl cis-trans isomerase Fkbp4          | 25.2827 | 25.1872 | 22 | 51.572 | 152.98 | 142  | 0.700629 | 1 |
| Q8C2U7;Q3UZG4;P  | Aminoacyl tRNA synthase complex Aimp1              | 23.5933 | 23.5923 | 7  | 35.196 | 22.372 | 54   | 0.996998 | 1 |
| P31324;Q3V2X9;H1 | cAMP-dependent protein kinase ty Prkar2b           | 27.1668 | 27.081  | 21 | 46.167 | 323.31 | 624  | 0.54233  | 1 |
| Q6PCX2;P31648;Q1 | Transporter;Sodium- and chloride- Slc6a1           | 28.081  | 27.9893 | 9  | 67.13  | 131.99 | 220  | 0.831566 | 1 |
| P31650;Q8BKG0    | Sodium- and chloride-dependent G Slc6a11           | 27.4747 | 27.1092 | 8  | 69.96  | 141.79 | 113  | 0.596335 | 1 |
| Q548W7;P31786;C  | Acyl-CoA-binding protein Dbi                       | 22.6862 | 21.4618 | 4  | 10     | 13.061 | 28   | 0.536498 | 1 |
| Q3U3F4;Q3TMJ8;P  | Dual specificity mitogen-activated   Map2k1        | 28.5176 | 28.2406 | 22 | 43.493 | 323.31 | 495  | 0.458438 | 1 |
| P32020           | Non-specific lipid-transfer protein Scp2           | 23.8803 | 21.8486 | 8  | 59.125 | 13.465 | 34   | 0.172898 | 1 |
| Q8BLF7;Q4FJP8;Q3 | Solute carrier family 2, facilitated g Slc2a3      | 26.912  | 26.8843 | 10 | 53.451 | 198.32 | 187  | 0.967411 | 1 |
| Q8BTU4;Q564E6;P1 | Lupus La protein homolog Ssb                       | 24.1222 | 24.4431 | 15 | 47.657 | 55.542 | 111  | 0.206923 | 1 |
| Q0VBU3;P32211    | Muscarinic acetylcholine receptor; Chr4            | 20.8984 | 22.1738 | 2  | 52.973 | 17.202 | 9    | 0.188188 | 1 |
| Q8CHR8;Q8BNS0;C  | Developmentally-regulated GTP-bi Drg1              | 21.3537 | 21.5462 | 6  | 40.54  | 10.661 | 12   | 0.169182 | 1 |

|                  |                                     |         |         |         |    |        |        |      |          |   |
|------------------|-------------------------------------|---------|---------|---------|----|--------|--------|------|----------|---|
| P34022;H7BX22;Q3 | Ran-specific GTPase-activating prot | Ranbp1  | 23.7259 | 25.1895 | 8  | 23.596 | 45.13  | 135  | 0.397432 | 1 |
| Q545F0;P34884    | Macrophage migration inhibitory f   | Mif     | 26.5145 | 24.9315 | 3  | 12.504 | 89.613 | 103  | 0.419176 | 1 |
| Q3UQ71;P34914;A  | Bifunctional epoxide hydrolase 2;   | C Epxh2 | 23.7411 | 23.696  | 13 | 62.543 | 91.285 | 55   | 0.931895 | 1 |
| Q6NXV6;Q3TEX8;P  | Ubiquitin carboxyl-terminal hydroly | Usp4    | 21.2187 | 21.2185 | 6  | 108.17 | 6.253  | 10   | 0.99971  | 1 |
| P35235;Q9CT18;Q  | Tyrosine-protein phosphatase non-   | Ptpn11  | 25.0742 | 25.1119 | 25 | 68.46  | 77.666 | 166  | 0.887678 | 1 |
| Q3TJ39;Q8C266;P3 | Ras-related protein Rab-5C          | Rab5c   | 23.5418 | 25.2288 | 9  | 23.412 | 49.94  | 132  | 0.37154  | 1 |
| Q0PD54;P35279;Q  | Ras-related protein Rab-6A          | Rab6a   | 27.5103 | 27.8415 | 14 | 23.59  | 157.34 | 513  | 0.761912 | 1 |
| Q0PD35;P35282;Q  | Ras-related protein Rab-21          | Rab21   | 22.685  | 24.2466 | 8  | 24.106 | 134.01 | 121  | 0.349287 | 1 |
| P35283;A2CG35    | Ras-related protein Rab-12          | Rab12   | 21.3814 | 21.7768 | 9  | 27.328 | 14.435 | 34   | 0.506065 | 1 |
| Q9D419;Q0PD32;P  | Ras-related protein Rab-23          | Rab23   | 21.7458 | 22.2454 | 6  | 26.777 | 10.362 | 28   | 0.592358 | 1 |
| Q0PD38;P35293    | Ras-related protein Rab-18          | Rab18   | 25.2665 | 23.5112 | 14 | 23.035 | 70.019 | 151  | 0.344244 | 1 |
| P35436           | Glutamate receptor ionotropic, NM   | Grin2a  | 24.2434 | 23.893  | 19 | 165.42 | 29.401 | 49   | 0.541595 | 1 |
| Q3UFJ3;P35486    | Pyruvate dehydrogenase E1 compo     | Pdha1   | 29.0259 | 29.1105 | 29 | 43.231 | 323.31 | 884  | 0.716011 | 1 |
| P35505           | Fumarylacetoacetase                 | Fah     | 23.923  | 24.0068 | 14 | 46.175 | 60.835 | 74   | 0.646977 | 1 |
| Q3UJS2;P35550    | rRNA 2-O-methyltransferase fibrill  | Fbl     | 22.709  | 22.8029 | 7  | 34.375 | 17.937 | 27   | 0.750848 | 1 |
| Q5SUC3;P35564;Q  | Calnexin                            | Canx    | 27.5338 | 27.4983 | 23 | 67.277 | 242.83 | 461  | 0.901027 | 1 |
| Q3UG16;P35585    | AP-1 complex subunit mu-1           | Ap1m1   | 24.672  | 24.5749 | 20 | 48.542 | 93.413 | 153  | 0.873281 | 1 |
| P35700;B1AXW5;B  | Peroxiredoxin-1                     | Prdx1   | 28.9913 | 26.8826 | 17 | 22.176 | 189.88 | 617  | 0.247176 | 1 |
| Q3UWG5;P35762;A  | Tetraspanin;CD81 antigen            | Cd81    | 27.2413 | 26.6737 | 4  | 25.828 | 221.35 | 327  | 0.378571 | 1 |
| Q542P2;P35802;Q  | Neuronal membrane glycoprotein I    | Gpm6a   | 30.3987 | 30.7385 | 12 | 31.149 | 323.31 | 851  | 0.095815 | 1 |
| Q5BLK0;P35979;Q  | 60S ribosomal protein L12           | Rpl12   | 27.2522 | 24.9701 | 8  | 17.804 | 143.08 | 207  | 0.390554 | 1 |
| Q642K1;Q58EW0;P  | 60S ribosomal protein L18           | Rpl18   | 27.7135 | 26.266  | 8  | 21.643 | 65.239 | 139  | 0.222642 | 1 |
| P36916;A2VDH5;Q  | Guanine nucleotide-binding protei   | Gnl1    | 24.1724 | 24.2235 | 16 | 68.77  | 78.752 | 121  | 0.809033 | 1 |
| Q546R1;Q5BKS2;Q  | Protein phosphatase 1B              | Ppm1b   | 21.5191 | 21.665  | 7  | 42.795 | 11.933 | 14   | 0.476007 | 1 |
| P37040;Q05DV1    | NADPH--cytochrome P450 reducta      | Por     | 24.7371 | 24.8681 | 23 | 77.043 | 105.46 | 118  | 0.683648 | 1 |
| P37804           | Transgelin                          | Tagln   | 24.6017 | 23.8027 | 17 | 22.576 | 42.773 | 119  | 0.625084 | 1 |
| P38647           | Stress-70 protein, mitochondrial    | Hspa9   | 28.289  | 28.4041 | 40 | 73.46  | 323.31 | 762  | 0.582212 | 1 |
| P39053           | Dynamin-1                           | Dnm1    | 23.9394 | 24.1909 | 71 | 97.802 | 20.417 | 83   | 0.004563 | 1 |
| P39688;D3YZ57    | Tyrosine-protein kinase Fyn;Non-s   | Fyn     | 24.7453 | 24.5686 | 13 | 60.674 | 37.399 | 44   | 0.391188 | 1 |
| P40142           | Transketolase                       | Tkt     | 29.5781 | 29.5868 | 39 | 67.63  | 323.31 | 1113 | 0.963281 | 1 |
| P40240           | CD9 antigen                         | Cd9     | 23.195  | 22.3293 | 3  | 25.258 | 7.2454 | 14   | 0.385041 | 1 |
| P40336;Q6PE78    | Vacuolar protein sorting-associat   | Vps26a  | 23.5909 | 23.6991 | 11 | 38.113 | 32.137 | 58   | 0.273406 | 1 |
| Q5M9N5;Q5M9J8;I  | 60S ribosomal protein L28           | Rpl28   | 25.9931 | 24.1792 | 10 | 15.709 | 15.301 | 59   | 0.370929 | 1 |

|                  |                                      |               |         |         |    |        |        |      |          |   |
|------------------|--------------------------------------|---------------|---------|---------|----|--------|--------|------|----------|---|
| P42125;Q9DBN7    | Enoyl-CoA delta isomerase 1, mitor   | Eci1          | 23.1683 | 24.8514 | 12 | 32.25  | 57.908 | 125  | 0.308277 | 1 |
| P42208;F6WYM0;E  | Septin-2                             | Sept2         | 24.9937 | 24.9489 | 14 | 41.525 | 84.475 | 138  | 0.716446 | 1 |
| Q6GU23;Q3ULI4;Q  | Signal transducer and activator of t | Stat3         | 22.1214 | 21.0826 | 3  | 83.125 | 7.427  | 7    | 0.236302 | 1 |
| P42669;Q8C6E9    | Transcriptional activator protein Pt | Pura          | 27.6506 | 27.7142 | 13 | 34.883 | 323.31 | 387  | 0.663407 | 1 |
| Q3UL22;Q6A0F1;P  | T-complex protein 1 subunit theta    | Cct8;Cctq     | 27.8805 | 27.9054 | 36 | 59.555 | 272.96 | 474  | 0.928827 | 1 |
| Q3UYK6;P43006;A  | Amino acid transporter;Excitatory i  | Slc1a2        | 31.9464 | 32.0707 | 24 | 62.03  | 323.31 | 1762 | 0.265523 | 1 |
| Q9DCW5;P43024    | Cytochrome c oxidase subunit 6A, i   | Cox6a1        | 24.4349 | 24.1125 | 3  | 12.483 | 45.259 | 94   | 0.919021 | 1 |
| P43274           | Histone H1.4                         | Hist1h1e      | 22.1495 | 22.4392 | 7  | 21.977 | 13.319 | 50   | 0.896595 | 1 |
| Q5U415;Q3UDY1;P  | Aldose reductase                     | Akr1b3;Akr1b1 | 27.1166 | 27.016  | 15 | 35.746 | 224.11 | 228  | 0.845626 | 1 |
| Q3UHW9;P45591    | Cofilin-2                            | Cfl2          | 26.6878 | 24.5522 | 12 | 18.709 | 40.503 | 194  | 0.400994 | 1 |
| Q3TND1;P45878;Q  | Peptidyl-prolyl cis-trans isomerase; | Fkbp2         | 24.3745 | 23.1574 | 8  | 15.344 | 15.338 | 65   | 0.438013 | 1 |
| P45952;Q91WS8;Q  | Medium-chain specific acyl-CoA de    | Acadm         | 24.5688 | 24.5378 | 12 | 46.481 | 78.423 | 77   | 0.891883 | 1 |
| Q91YS2;Q7TMW1;I  | Ran GTPase-activating protein 1      | Rangap1       | 22.9919 | 23.1224 | 11 | 63.516 | 20.7   | 41   | 0.2359   | 1 |
| P46460           | Vesicle-fusing ATPase                | Nsf           | 31.0311 | 31.0497 | 71 | 82.613 | 323.31 | 2676 | 0.916126 | 1 |
| P46471;Q3UIH5;Q  | 26S protease regulatory subunit 7    | Psmc2         | 25.1663 | 24.9915 | 24 | 48.647 | 102.29 | 190  | 0.780029 | 1 |
| P46660           | Alpha-internexin                     | Ina           | 27.8508 | 27.9974 | 32 | 55.382 | 323.31 | 637  | 0.793095 | 1 |
| Q8BMP9;Q5U412;C  | Dolichyl-diphosphooligosaccharide    | Stt3a         | 20.4445 | 22.0235 | 7  | 80.53  | 4.3137 | 9    | 0.124842 | 1 |
| P47199;Q80XR3;Q  | Quinone oxidoreductase               | Cryz          | 24.0544 | 24.1789 | 13 | 35.268 | 61.127 | 94   | 0.576536 | 1 |
| Q768S5;P47708    | Rabphilin-3A                         | Rph3a         | 27.127  | 27.1785 | 29 | 75.492 | 323.31 | 302  | 0.901245 | 1 |
| Q544B1;Q3UJW1;C  | Aldehyde dehydrogenase, mitocho      | Aldh2         | 27.3314 | 27.382  | 29 | 56.537 | 323.31 | 640  | 0.813024 | 1 |
| P47746;Q99NU3    | Cannabinoid receptor 1               | Cnr1          | 24.6936 | 25.0266 | 6  | 52.83  | 15.892 | 45   | 0.509688 | 1 |
| Q5RKN9;Q3UAS2;P  | F-actin-capping protein subunit alp  | Capza1        | 23.0469 | 23.8913 | 9  | 32.953 | 55.359 | 50   | 0.282289 | 1 |
| Q5DQJ3;P47754;Q  | F-actin-capping protein subunit alp  | Capza2        | 27.4969 | 27.5712 | 18 | 32.967 | 323.31 | 509  | 0.500645 | 1 |
| Q5SS02;P47759    | Neuron-specific protein family mer   | Nsg2          | 22.2462 | 20.8078 | 3  | 19     | 3.4258 | 17   | 0.265734 | 1 |
| Q3TXK9;P47791;Q  | Glutathione reductase, mitochondi    | Gsr           | 25.4981 | 25.501  | 15 | 52.566 | 156.79 | 180  | 0.983753 | 1 |
| Q543X6;P47809;Q  | Dual specificity mitogen-activated   | Map2k4        | 25.3304 | 25.1897 | 17 | 44.113 | 86.652 | 177  | 0.299938 | 1 |
| P47857;Q99K08    | ATP-dependent 6-phosphofructoki      | Pfkm          | 29.6352 | 29.6653 | 39 | 85.268 | 323.31 | 1406 | 0.825861 | 1 |
| Q3UCH0;P47911;E  | 60S ribosomal protein L6             | Rpl6;Gm5428   | 25.0853 | 24.8705 | 14 | 33.509 | 53.605 | 165  | 0.410606 | 1 |
| Q58E35;P47955;E9 | 60S acidic ribosomal protein P1      | Rplp1;Gm1007  | 25.171  | 23.8345 | 2  | 11.475 | 18.216 | 73   | 0.513372 | 1 |
| Q58EU6;Q3U850;P  | 60S ribosomal protein L5             | Rpl5          | 24.8405 | 24.9529 | 10 | 34.4   | 45.411 | 144  | 0.863763 | 1 |
| Q5RKP3;P47963;A  | 60S ribosomal protein L13            | Rpl13         | 23.4866 | 25.0431 | 6  | 24.597 | 123.8  | 91   | 0.317556 | 1 |
| P48036           | Annexin A5                           | Anxa5         | 24.136  | 27.066  | 24 | 35.752 | 198.46 | 519  | 0.28945  | 1 |
| Q548L6;P48318    | Glutamate decarboxylase 1            | Gad1          | 25.8655 | 25.5228 | 15 | 66.648 | 105.2  | 96   | 0.558147 | 1 |

|                 |                                      |               |         |         |    |        |        |      |          |   |
|-----------------|--------------------------------------|---------------|---------|---------|----|--------|--------|------|----------|---|
| Q548L4;P48320   | Glutamate decarboxylase 2            | Gad2          | 26.8039 | 26.8005 | 22 | 65.223 | 293.74 | 269  | 0.986953 | 1 |
| Q8C4T8;Q3UTV4;Q | G protein-activated inward rectifier | Kcnj6         | 21.3701 | 20.7647 | 2  | 47.48  | 4.6815 | 7    | 0.672578 | 1 |
| P48678          | Prelamin-A/C;Lamin-A/C               | Lmna          | 27.3348 | 27.4164 | 40 | 74.237 | 242.81 | 352  | 0.740689 | 1 |
| P48722;E0CY23   | Heat shock 70 kDa protein 4L         | Hspa4l        | 27.7039 | 27.7303 | 49 | 94.381 | 256.01 | 527  | 0.925393 | 1 |
| P48771          | Cytochrome c oxidase subunit 7A2     | Cox7a2        | 24.1503 | 24.0923 | 2  | 9.2908 | 7.7732 | 71   | 0.92921  | 1 |
| P48774;E9PVM7;E | Glutathione S-transferase Mu 5       | Gstm5         | 25.8095 | 28.0637 | 21 | 26.635 | 257.05 | 471  | 0.417349 | 1 |
| P48962;Q8BVI9   | ADP/ATP translocase 1                | Slc25a4       | 31.9646 | 31.9409 | 28 | 32.904 | 323.31 | 3556 | 0.955838 | 1 |
| Q3U7F3;Q3TIK8;Q | Heterogeneous nuclear ribonucleo     | Hnrnpa1       | 26.6415 | 26.7261 | 16 | 34.238 | 248.53 | 349  | 0.686736 | 1 |
| P49442          | Inositol polyphosphate 1-phosphat    | Inpp1         | 24.4788 | 24.8166 | 11 | 43.346 | 61.481 | 92   | 0.147966 | 1 |
| P49443;Q9EQE2;Q | Protein phosphatase 1A               | Ppm1a         | 24.8294 | 24.9094 | 17 | 42.432 | 80.361 | 127  | 0.844702 | 1 |
| Q543F6;P49615;A | Cyclin-dependent-like kinase 5       | Cdk5          | 24.3201 | 25.7985 | 21 | 33.288 | 91.008 | 233  | 0.297223 | 1 |
| Q3UWT6;P49722;C | Proteasome subunit alpha type;       | Prc           | 24.221  | 26.0496 | 12 | 27.509 | 112.74 | 266  | 0.488961 | 1 |
| P49813          | Tropomodulin-1                       | Tmod1         | 22.6707 | 23.0913 | 9  | 40.466 | 28.339 | 44   | 0.453195 | 1 |
| P50171;G3UX44;A | Estradiol 17-beta-dehydrogenase 8    | Hsd17b8;H2-Ke | 22.0308 | 23.1954 | 8  | 26.588 | 28.362 | 45   | 0.291119 | 1 |
| Q3TF14;P50247;Q | Adenosylhomocysteinase               | Ahcy          | 25.9893 | 25.943  | 24 | 47.688 | 257.31 | 233  | 0.876259 | 1 |
| P50396          | Rab GDP dissociation inhibitor alph  | Gdi1          | 29.8136 | 29.844  | 33 | 50.521 | 323.31 | 1716 | 0.717862 | 1 |
| P50428          | Arylsulfatase A                      | Arsa          | 21.7397 | 21.9195 | 5  | 53.748 | 14.724 | 11   | 0.884147 | 1 |
| P50516          | V-type proton ATPase catalytic sub   | Atp6v1a       | 31.082  | 31.1587 | 48 | 68.325 | 323.31 | 3024 | 0.534203 | 1 |
| P50518;A0A0N4SW | V-type proton ATPase subunit E 1     | Atp6v1e1      | 26.4579 | 28.8342 | 19 | 26.157 | 323.31 | 725  | 0.374351 | 1 |
| P50544;B1AR28;Q | Very long-chain specific acyl-CoA d  | Acadvl        | 25.6025 | 25.6641 | 20 | 70.875 | 54.182 | 76   | 0.849248 | 1 |
| Q53WT3;P50571;A | Gamma-aminobutyric acid recepto      | Gabrb1        | 22.3532 | 21.6    | 9  | 54.1   | 8.0384 | 10   | 0.600361 | 1 |
| Q05BN2;Q3UMW2   | Proliferation-associated protein 2G  | Pa2g4         | 24.4248 | 24.4487 | 17 | 41.508 | 70.814 | 115  | 0.982448 | 1 |
| Q4FJQ0;P51150   | Ras-related protein Rab-7a           | Rab7;Rab7a    | 26.3209 | 25.8621 | 15 | 23.489 | 273.74 | 539  | 0.826661 | 1 |
| Q3UKR3;Q3UG55;F | Uroporphyrinogen-III synthase        | Uros          | 20.596  | 21.1967 | 3  | 28.49  | 2.2617 | 9    | 0.051132 | 1 |
| P51174;A0A0R4J0 | Long-chain specific acyl-CoA dehyd   | Acadl         | 25.8883 | 25.862  | 19 | 47.907 | 161.37 | 197  | 0.937589 | 1 |
| Q5EBQ6;P51410;A | 60S ribosomal protein L9             | Rpl9          | 25.7416 | 23.9232 | 10 | 21.881 | 80.832 | 129  | 0.384478 | 1 |
| Q571K9;Q8CI86;Q | Phosphoinositide phospholipase C;    | Plcb3         | 22.722  | 21.8629 | 4  | 117.16 | 24.199 | 12   | 0.313725 | 1 |
| Q3TT11;P51660;Q | Peroxisomal multifunctional enzymr   | Hsd17b4       | 24.1309 | 23.8093 | 17 | 79.49  | 50.802 | 55   | 0.598967 | 1 |
| P51830;E9Q706   | Adenylate cyclase type 9             | Adcy9         | 24.0652 | 24.4843 | 19 | 150.95 | 63.905 | 77   | 0.402014 | 1 |
| Q8R436;Q541E2;Q | Glutathione synthetase               | Gss           | 22.6296 | 21.9743 | 8  | 51.945 | 15.604 | 36   | 0.273806 | 1 |
| P51859;E0CXA0;E | Hepatoma-derived growth factor       | Hdgf          | 22.8888 | 22.6783 | 8  | 26.268 | 26.384 | 38   | 0.696663 | 1 |
| P51863;Q921S5   | V-type proton ATPase subunit d 1     | Atp6v0d1      | 28.3031 | 28.3047 | 20 | 40.301 | 323.31 | 981  | 0.987987 | 1 |
| Q545A2;P51881   | ADP/ATP translocase 2;ADP/ATP tr     | Slc25a5       | 29.6818 | 29.6462 | 27 | 32.931 | 323.31 | 939  | 0.948926 | 1 |

|                  |                                     |         |         |         |    |        |        |      |          |   |
|------------------|-------------------------------------|---------|---------|---------|----|--------|--------|------|----------|---|
| Q9D393;P51906;Q  | Amino acid transporter;Excitatory   | Slc1a1  | 21.225  | 21.2609 | 2  | 56.709 | 6.5211 | 16   | 0.952176 | 1 |
| Q54550;P52196    | Sulfurtransferase;Thiosulfate sulfu | Tst     | 25.5516 | 25.6168 | 14 | 33.466 | 74.065 | 178  | 0.816275 | 1 |
| P52479           | Ubiquitin carboxyl-terminal hydrok  | Usp10   | 21.9632 | 21.0206 | 2  | 87.021 | 4.2308 | 17   | 0.246231 | 1 |
| P52480           | Pyruvate kinase PKM                 | Pkm     | 32.2259 | 32.146  | 41 | 57.844 | 323.31 | 4361 | 0.184968 | 1 |
| P52503           | NADH dehydrogenase [ubiquinone      | Ndufs6  | 24.4785 | 23.0697 | 8  | 13.02  | 23.093 | 32   | 0.420923 | 1 |
| P52760           | Ribonuclease UK114                  | Hrsp12  | 25.4286 | 24.5209 | 10 | 14.255 | 52.329 | 111  | 0.615335 | 1 |
| Q544L9;P52795    | Ephrin-B1                           | Efnb1   | 20.9734 | 20.873  | 2  | 37.859 | 6.0666 | 14   | 0.649296 | 1 |
| Q3UN55;Q3UDA8;I  | Carnitine O-palmitoyltransferase 2, | Cpt2    | 22.349  | 22.5028 | 7  | 73.964 | 16.126 | 22   | 0.794877 | 1 |
| Q7TND9;P53395    | Lipoamide acyltransferase compon    | Dbt     | 23.2427 | 23.054  | 9  | 53.26  | 19.644 | 43   | 0.722917 | 1 |
| P53702;Q8BP79    | Cytochrome c-type heme lyase        | Hccs    | 21.152  | 22.1303 | 9  | 30.977 | 14.806 | 20   | 0.29543  | 1 |
| Q5ND42;Q3UE53;C  | Phosphatidylinositol transfer prote | Pitpna  | 24.1144 | 27.1339 | 25 | 31.893 | 148.01 | 408  | 0.298628 | 1 |
| Q8JZZ5;P53811    | Phosphatidylinositol transfer prote | Pitpnb  | 21.4638 | 22.4977 | 11 | 31.616 | 11.237 | 29   | 0.225089 | 1 |
| Q8BPS5;Q8C2E6;Q  | Monocarboxylate transporter 1       | Slc16a1 | 24.2388 | 24.6204 | 5  | 38.157 | 52.993 | 38   | 0.028066 | 1 |
| Q0PD65;P53994;Q  | Ras-related protein Rab-2A          | Rab2a   | 27.6545 | 26.4726 | 18 | 23.547 | 215.31 | 705  | 0.279424 | 1 |
| P54071           | Isocitrate dehydrogenase [NADP],    | Idh2    | 26.6932 | 26.9367 | 26 | 50.906 | 211.39 | 430  | 0.033122 | 1 |
| Q9DCP3;Q91XT3;Q  | Stathmin                            | Stmn1   | 27.7596 | 25.0155 | 12 | 17.334 | 106.89 | 237  | 0.372466 | 1 |
| Q3TJ52;Q3UQN3;Q  | UV excision repair protein RAD23    | Rad23b  | 25.171  | 24.6813 | 12 | 34.613 | 84.381 | 105  | 0.274924 | 1 |
| Q8BKU2;P54775;Q  | 26S protease regulatory subunit 6E  | Psmc4   | 26.34   | 26.4351 | 23 | 47.394 | 213.84 | 234  | 0.314216 | 1 |
| Q8BTN3;P54797;D  | Transport and Golgi organization 2  | Tango2  | 21.2721 | 21.9939 | 4  | 30.874 | 2.9879 | 6    | 0.148284 | 1 |
| Q3TMB8;P54822;E  | Adenylosuccinate lyase              | Adsl    | 24.1119 | 23.6002 | 16 | 54.865 | 36.209 | 83   | 0.225083 | 1 |
| P54823           | Probable ATP-dependent RNA helic    | Ddx6    | 23.8373 | 23.7469 | 18 | 54.191 | 65.944 | 54   | 0.662282 | 1 |
| Q3U5N4;P54923    | [Protein ADP-ribosylarginine] hydr  | Adprh   | 22.8893 | 22.6592 | 9  | 40.068 | 41.365 | 45   | 0.729211 | 1 |
| Q9DBZ6;Q91VT3;Q  | ATP-binding cassette sub-family D   | Abcd3   | 22.9835 | 23.0815 | 6  | 75.475 | 11.203 | 32   | 0.724406 | 1 |
| Q0PD50;Q3UHW5;   | Ras-related protein Rab-8A          | Rab8a   | 20.8826 | 20.5133 | 7  | 23.668 | 5.8835 | 16   | 0.64294  | 1 |
| P55264;Q8BMC5    | Adenosine kinase                    | Adk     | 25.7241 | 25.6191 | 16 | 40.148 | 70.3   | 146  | 0.762666 | 1 |
| Q6PB52;Q6PEM5;C  | Alpha-2-macroglobulin receptor-as   | Lrpap1  | 23.7005 | 23.2716 | 9  | 35.491 | 26.36  | 47   | 0.270407 | 1 |
| P56135;F8WHP8    | ATP synthase subunit f, mitochond   | Atp5j2  | 27.1616 | 27.0284 | 6  | 10.344 | 20.329 | 282  | 0.762446 | 1 |
| Q3ULK1;P56371;B  | 2 Ras-related protein Rab-4A        | Rab4a   | 22.341  | 22.0567 | 10 | 24.336 | 10.848 | 27   | 0.867253 | 1 |
| P56379           | 6.8 kDa mitochondrial proteolipid   | Mp68    | 24.4622 | 21.509  | 2  | 6.6979 | 4.5847 | 27   | 0.281466 | 1 |
| P56380;Q3V1C8    | Bis(5-nucleosyl)-tetrphosphatase    | Nudt2   | 24.9416 | 23.3945 | 7  | 16.989 | 17.103 | 68   | 0.246401 | 1 |
| Q9D6M5;Q542J7;P  | Dynein light chain Tctex-type 3     | Dynlt3  | 21.7214 | 22.3939 | 3  | 12.945 | 9.7016 | 24   | 0.4668   | 1 |
| P56391;A0A140LIU | Cytochrome c oxidase subunit 6B1    | Cox6b1  | 26.3741 | 26.3709 | 9  | 10.071 | 43.416 | 157  | 0.99148  | 1 |
| P56480           | ATP synthase subunit beta, mitoch   | Atp5b   | 32.3028 | 32.4931 | 32 | 56.3   | 323.31 | 5485 | 0.324997 | 1 |

|   |               |         |         |    |        |        |      |          |   |
|---|---------------|---------|---------|----|--------|--------|------|----------|---|
| Q8C7W8;Q8C3T7;C Amino acid transporter;Excitatory i         | Slc1a3        | 29.5911 | 29.6218 | 11 | 59.592 | 323.31 | 805  | 0.946088 | 1 |
| Q80UI9;Q3TDI2;P5 Wolframin                                  | Wfs1          | 25.6321 | 25.3076 | 24 | 100.55 | 112.08 | 122  | 0.396541 | 1 |
| Q8CFQ9;Q564D0;C RNA-binding protein FUS                     | Fus           | 24.994  | 24.9899 | 10 | 52.601 | 81.644 | 69   | 0.996631 | 1 |
| Q3TDE4;Q3TD54;Q Nicastrin                                   | Ncstn         | 21.1376 | 23.9679 | 5  | 60.662 | 87.818 | 8    | 0.091403 | 1 |
| P57722;E9Q7D8;Q Poly(rC)-binding protein 3                  | Pcbp3         | 21.8567 | 21.1506 | 9  | 39.294 | 9.2661 | 18   | 0.177754 | 1 |
| Q3UJH5;Q3U861;P V-type proton ATPase subunit D              | Atp6v1d       | 25.4465 | 27.843  | 18 | 28.355 | 311.05 | 408  | 0.291468 | 1 |
| P57759 Endoplasmic reticulum resident protein               | Erp29         | 23.8112 | 24.5234 | 10 | 28.823 | 32.568 | 133  | 0.525596 | 1 |
| Q3ULT2;P57780;Q Alpha-actinin-4                             | Actn4         | 28.0287 | 28.1608 | 61 | 104.98 | 323.31 | 637  | 0.664626 | 1 |
| P57784;G5E883 U2 small nuclear ribonucleoprotein            | Snrpa1        | 21.7887 | 22.8003 | 7  | 28.357 | 22.162 | 33   | 0.303113 | 1 |
| Q8C7F9;Q8C6H4;Q Transmembrane 9 superfamily member          | Tm9sf2        | 21.6688 | 21.6061 | 4  | 75.357 | 14.367 | 7    | 0.95334  | 1 |
| P58044;G3XA48 Isopentenyl-diphosphate Delta-isomerase       | Idi1          | 22.029  | 23.2259 | 7  | 26.289 | 12.94  | 53   | 0.378864 | 1 |
| Q3UMI7;Q3UDC8;F Elongation factor 2                         | Eef2          | 29.5878 | 29.6727 | 52 | 95.326 | 323.31 | 1242 | 0.717953 | 1 |
| P58281;H7BX01;Q Dynamin-like 120 kDa protein, mitochondrial | Opa1;mKIAA051 | 27.9607 | 28.099  | 55 | 111.34 | 323.31 | 606  | 0.731436 | 1 |
| Q543N6;P58389;Q Serine/threonine-protein phosphatase        | Ppp2r4        | 26.1047 | 26.1315 | 12 | 36.71  | 187.81 | 243  | 0.890096 | 1 |
| P58404;Q3U3S0 Striatin-4                                    | Strn4         | 25.3088 | 25.5226 | 17 | 81.644 | 80.482 | 91   | 0.533843 | 1 |
| Q8C076;P59016 Vacuolar protein sorting-associated protein   | Vps33b        | 22.1565 | 22.0174 | 7  | 70.526 | 4.8208 | 9    | 0.753444 | 1 |
| Q3UGC5;Q3TNR7;F Bcl-2-like protein 13                       | Bcl2l13       | 22.7046 | 22.4535 | 7  | 46.647 | 24.189 | 21   | 0.513277 | 1 |
| Q3TEG7;Q0PD64;P Ras-related protein Rab-2B                  | Rab2b         | 22.8262 | 22.2455 | 12 | 21.465 | 6.0916 | 28   | 0.402047 | 1 |
| Q3TQR3;P59325;Q Eukaryotic translation initiation factor    | Eif5          | 23.1795 | 23.0951 | 12 | 48.968 | 34.439 | 98   | 0.88657  | 1 |
| Q9D3C4;Q7TPD9;P Actin-related protein 2/3 complex subunit   | Arpc4         | 28.8727 | 26.8762 | 11 | 19.653 | 117.28 | 511  | 0.359638 | 1 |
| Q3UJN2;Q3U1C2;P RuvB-like 1                                 | Ruvbl1        | 23.5526 | 23.7541 | 12 | 50.213 | 31.748 | 97   | 0.55981  | 1 |
| Q3UYM8;P60202;C Myelin proteolipid protein                  | Plp1          | 29.98   | 30.1885 | 9  | 30.077 | 93.256 | 811  | 0.841205 | 1 |
| Q9CT23;Q3UIG0;P Eukaryotic translation initiation factor    | Eif3e         | 22.8495 | 23.0031 | 13 | 49.567 | 53.359 | 69   | 0.785857 | 1 |
| P60335 Poly(rC)-binding protein 1                           | Pcbp1         | 26.742  | 26.5991 | 15 | 37.497 | 165.56 | 384  | 0.232099 | 1 |
| P60469;C7G3P1;A Liprin-alpha-3                              | Ppfia3        | 26.9392 | 26.8538 | 43 | 133.42 | 161.68 | 284  | 0.672729 | 1 |
| P60487;Q6IS27 Pyridoxal phosphate phosphatase               | Pdxp          | 24.0918 | 26.9259 | 20 | 31.512 | 142.8  | 419  | 0.403525 | 1 |
| P60521 Gamma-aminobutyric acid receptor subunit             | Gabarapl2     | 23.8411 | 22.6245 | 8  | 13.667 | 12.484 | 45   | 0.495855 | 1 |
| Q3UDU9;P60670;Q Nuclear protein localization protein        | Nploc4        | 22.6521 | 22.4592 | 10 | 67.956 | 21.172 | 23   | 0.263493 | 1 |
| P60761 Neurogranin;NEUG(55-78)                              | Nrgn          | 28.0687 | 26.7465 | 2  | 7.4963 | 30.905 | 36   | 0.054172 | 1 |
| Q14A12;P60764;A Ras-related C3 botulinum toxin substrate    | Rac3          | 22.3907 | 21.6731 | 9  | 21.379 | 6.6418 | 11   | 0.254106 | 1 |
| P60766;Q3UL78 Cell division control protein 42 homolog      | Cdc42         | 27.9395 | 26.6277 | 9  | 21.258 | 146.52 | 381  | 0.330353 | 1 |
| P60840 Alpha-endosulfine                                    | Ensa          | 21.7371 | 21.1081 | 4  | 13.335 | 9.095  | 10   | 0.508368 | 1 |
| Q4FZL1;Q5F2A7;P6 Eukaryotic initiation factor 4A-I          | Eif4a1        | 25.4003 | 25.4095 | 23 | 46.022 | 171.65 | 131  | 0.983754 | 1 |

|                  |                                      |             |         |         |    |        |        |      |          |   |
|------------------|--------------------------------------|-------------|---------|---------|----|--------|--------|------|----------|---|
| Q5BLK2;P60867    | 40S ribosomal protein S20            | Rps20       | 26.1339 | 23.9785 | 5  | 13.373 | 34.972 | 113  | 0.432673 | 1 |
| P60879           | Synaptosomal-associated protein 2    | Snap25      | 28.4783 | 28.999  | 20 | 23.315 | 323.31 | 843  | 0.385897 | 1 |
| P60904;G5E8T0;Q5 | DnaJ homolog subfamily C member      | Dnajc5      | 28.0443 | 28.5427 | 10 | 22.101 | 323.31 | 443  | 0.485114 | 1 |
| Q4FJL0;P61027;Q3 | Ras-related protein Rab-10           | Rab10       | 27.399  | 27.267  | 13 | 22.541 | 63.628 | 400  | 0.324713 | 1 |
| Q0PD49;P61028;Q3 | Ras-related protein Rab-8B           | Rab8b       | 23.5432 | 21.8705 | 6  | 23.603 | 13.119 | 37   | 0.056927 | 1 |
| P61082;F7CDT0;F6 | NEDD8-conjugating enzyme Ubc12       | Ube2m       | 26.501  | 24.1993 | 8  | 20.9   | 22.351 | 128  | 0.332224 | 1 |
| Q6ZWQ6;P61087;A  | Ubiquitin-conjugating enzyme E2 K    | Ube2k       | 24.6716 | 23.5404 | 10 | 22.406 | 68.812 | 67   | 0.566844 | 1 |
| Q6ZWS1;P61148;D  | Fibroblast growth factor;Fibroblast  | Fgf1        | 22.1241 | 21      | 4  | 17.417 | 4.9203 | 9    | 0.303691 | 1 |
| Q5SW83;P61161;Q  | Actin-related protein 2              | Actr2       | 27.4188 | 27.4217 | 17 | 44.76  | 272.63 | 562  | 0.991041 | 1 |
| P61164           | Alpha-centractin                     | Actr1a      | 27.2211 | 27.1665 | 19 | 42.613 | 272.7  | 593  | 0.775554 | 1 |
| P61202;Q3UK65;Q  | COP9 signalosome complex subunit     | Cops2       | 25.0729 | 25.1917 | 19 | 51.596 | 130.42 | 93   | 0.721391 | 1 |
| Q3U344;P61205;P  | ADP-ribosylation factor 3;ADP-ribo   | Arf3;Arf1   | 30.334  | 28.1876 | 16 | 20.601 | 323.31 | 1297 | 0.384945 | 1 |
| Q3TIR2;Q14AC7;P6 | ADP-ribosylation factor-like protein | Arl1        | 21.9509 | 21.7717 | 6  | 20.483 | 13.131 | 40   | 0.893853 | 1 |
| Q6NXX7;Q3UHY8;C  | ATP-binding cassette sub-family E r  | Abce1       | 22.8203 | 23.0285 | 14 | 64.505 | 36.572 | 34   | 0.646329 | 1 |
| Q6ZWR0;P61226    | Ras-related protein Rap-2b           | Rap2b       | 27.1406 | 24.4612 | 13 | 20.504 | 142.58 | 255  | 0.367729 | 1 |
| Q4FZH2;P61255;B1 | 60S ribosomal protein L26            | Rpl26       | 26.6177 | 24.0572 | 9  | 17.258 | 20.93  | 122  | 0.336937 | 1 |
| P61264           | Syntaxin-1B                          | Stx1b       | 29.979  | 29.941  | 20 | 33.244 | 323.31 | 1232 | 0.913451 | 1 |
| Q4FK54;P61290;A2 | Proteasome activator complex sub     | Psme3       | 20.483  | 20.3003 | 4  | 29.506 | 5.7908 | 10   | 0.641592 | 1 |
| Q0PD53;P61294    | Ras-related protein Rab-6B           | Rab6b       | 23.6395 | 22.6809 | 12 | 23.461 | 49.821 | 56   | 0.528972 | 1 |
| P61329;O35340    | Fibroblast growth factor 12;Fibrobl  | Fgf12       | 25.2445 | 23.5488 | 7  | 27.399 | 19.549 | 97   | 0.392533 | 1 |
| Q5BLJ9;P61358;Q9 | 60S ribosomal protein L27            | Rpl27       | 25.6003 | 23.7803 | 7  | 15.798 | 13.718 | 127  | 0.424282 | 1 |
| Q5M9N6;Q4VAF2;I  | 60S ribosomal protein L37a           | Rpl37a      | 24.97   | 22.4415 | 5  | 8.9946 | 8.4173 | 27   | 0.11072  | 1 |
| Q14BR4;P61750;Q  | ADP-ribosylation factor 4            | Arf4        | 24.4952 | 23.1124 | 11 | 20.396 | 17.36  | 36   | 0.349636 | 1 |
| P61922;Q3V1S0    | 4-aminobutyrate aminotransferase     | Abat        | 28.5597 | 28.4221 | 33 | 56.451 | 323.31 | 1087 | 0.742022 | 1 |
| Q80ZU1;Q3U3H9;P  | DDB1- and CUL4-associated factor     | Dcaf7       | 22.1489 | 22.1459 | 7  | 38.813 | 21.629 | 18   | 0.998051 | 1 |
| P61967;D3Z0D6;D  | AP-1 complex subunit sigma-1A        | Ap1s1       | 23.403  | 21.8453 | 6  | 18.733 | 16.261 | 46   | 0.223275 | 1 |
| Q3U8H8;P61971    | Nuclear transport factor 2           | Nutf2       | 23.0996 | 22.2775 | 4  | 14.379 | 16.529 | 38   | 0.644202 | 1 |
| P62071;A0A1B0GR  | Ras-related protein R-Ras2;Ras-rel   | Rras2;Rras  | 21.6068 | 21.7157 | 3  | 23.399 | 3.691  | 17   | 0.866903 | 1 |
| Q4FZE6;P62082;F6 | 40S ribosomal protein S7             | Rps7;Gm9493 | 25.7955 | 25.0476 | 11 | 22.127 | 38.45  | 181  | 0.642683 | 1 |
| P62137;Q3U8W0;C  | Serine/threonine-protein phosphat    | Ppp1ca      | 27.7179 | 27.6657 | 24 | 37.54  | 323.31 | 687  | 0.797716 | 1 |
| P62141           | Serine/threonine-protein phosphat    | Ppp1cb      | 26.3714 | 26.2694 | 22 | 37.186 | 119.22 | 259  | 0.546691 | 1 |
| Q542I9;P62192    | 26S protease regulatory subunit 4    | Psmc1       | 25.3543 | 25.167  | 20 | 49.184 | 110.92 | 180  | 0.676977 | 1 |
| P62196;Q8K1K2;Q  | 26S protease regulatory subunit 8    | Psmc5       | 25.3583 | 25.4083 | 28 | 45.626 | 171.55 | 219  | 0.826832 | 1 |

|  |                 |         |         |    |        |        |      |          |   |
|--|-----------------|---------|---------|----|--------|--------|------|----------|---|
| P62204;Q3UKW2;C Calmodulin;Calmodulin-like proteir | Calm1;Calml3    | 27.8392 | 25.826  | 12 | 16.837 | 263.88 | 413  | 0.47221  | 1 |
| Q497E9;P62242;Q540S ribosomal protein S8           | Rps8            | 24.7394 | 25.8129 | 11 | 24.205 | 210.48 | 260  | 0.377438 | 1 |
| Q5M9M4;P62245;F40S ribosomal protein S15a          | Rps15a          | 25.5678 | 25.4543 | 9  | 14.839 | 32.526 | 137  | 0.838632 | 1 |
| Q5SS40;P62259;Q814-3-3 protein epsilon             | Ywhae           | 27.7478 | 30.2969 | 30 | 29.174 | 323.31 | 1389 | 0.318042 | 1 |
| Q9CWI9;Q497E1;Q40S ribosomal protein S23           | Rps23           | 26.1213 | 23.9089 | 7  | 15.835 | 16.754 | 68   | 0.314368 | 1 |
| Q3UC02;Q9DB79;P40S ribosomal protein S11           | Rps11           | 27.1403 | 24.7293 | 12 | 18.431 | 34.949 | 211  | 0.359351 | 1 |
| Q921R2;Q5BLJ7;P640S ribosomal protein S13          | Rps13           | 26.7368 | 24.662  | 11 | 16.142 | 32.208 | 214  | 0.435992 | 1 |
| P62315 Small nuclear ribonucleoprotein Sn          | Snrpd1          | 24.5036 | 23.1873 | 4  | 13.281 | 28.232 | 33   | 0.473936 | 1 |
| Q14AF6;P62317;D5Small nuclear ribonucleoprotein Sn | Snrpd2;Gm5445   | 24.505  | 23.3466 | 7  | 13.527 | 39.262 | 80   | 0.442337 | 1 |
| Q91VM2;P62320 Small nuclear ribonucleoprotein Sn   | Snrpd3          | 24.5146 | 22.9217 | 3  | 13.985 | 19.936 | 63   | 0.407673 | 1 |
| Q3U0D7;P62331 ADP-ribosylation factor 6            | Arf6            | 25.0841 | 23.9036 | 7  | 20.082 | 25.427 | 115  | 0.474797 | 1 |
| Q14AQ1;P62334;Q26S protease regulatory subunit 1C  | Psmc6           | 25.1803 | 25.1625 | 20 | 44.172 | 84.701 | 186  | 0.884043 | 1 |
| P62482;Q3UPV6;E1Voltage-gated potassium channel s  | Kcnab2          | 26.3019 | 26.396  | 21 | 41.021 | 268.81 | 265  | 0.72865  | 1 |
| P62631 Elongation factor 1-alpha 2                 | Eef1a2          | 29.0369 | 28.9517 | 21 | 50.454 | 323.31 | 879  | 0.716741 | 1 |
| Q545F8;Q545X8;Q40S ribosomal protein S4;40S ribos  | Rps4x;Rps4l;Grr | 24.0435 | 26.5984 | 16 | 27.504 | 64.173 | 304  | 0.359694 | 1 |
| P62715;Q8VED4;Q1Serine/threonine-protein phosphat  | Ppp2cb          | 22.8473 | 22.2933 | 17 | 35.575 | 8.2895 | 25   | 0.010244 | 1 |
| P62737;Q3U122;Q1Actin, aortic smooth muscle;Actin, | Acta2;Actg2     | 23.5016 | 24.9357 | 27 | 42.009 | 15.813 | 33   | 0.373284 | 1 |
| Q3UJ76;P62743;A0AP-2 complex subunit sigma         | Ap2s1           | 27.285  | 27.4224 | 7  | 17.018 | 33.022 | 403  | 0.740933 | 1 |
| Q4FJM5;P62746;Q1Rho-related GTP-binding protein Rl | Rhob            | 27.0437 | 25.0022 | 11 | 22.123 | 35.059 | 225  | 0.360437 | 1 |
| P62748 Hippocalcin-like protein 1                  | Hpcal1          | 22.69   | 22.0779 | 12 | 22.338 | 5.6678 | 20   | 0.661804 | 1 |
| Q5BLK1;P62754;Q840S ribosomal protein S6           | Rps6            | 22.2585 | 24.1209 | 6  | 28.68  | 25.094 | 46   | 0.159381 | 1 |
| Q4W4C9;P62761;C1Visinin-like protein 1             | Vsnl1           | 29.1172 | 27.0261 | 19 | 22.142 | 151.12 | 733  | 0.365153 | 1 |
| P62774 Myotrophin                                  | Mtpn            | 24.4957 | 24.1221 | 5  | 12.861 | 51.79  | 54   | 0.826152 | 1 |
| Q544F7;P62812;Q3Gamma-aminobutyric acid recepto    | Gabra1          | 25.5905 | 26.2533 | 14 | 51.753 | 75.603 | 102  | 0.239646 | 1 |
| P62814 V-type proton ATPase subunit B, br          | Atp6v1b2        | 30.5115 | 30.5233 | 32 | 56.55  | 323.31 | 2899 | 0.960838 | 1 |
| Q3UB66;Q0PD67;P1Ras-related protein Rab-1A         | Rab1;Rab1A      | 27.7107 | 26.5568 | 12 | 22.678 | 162.66 | 434  | 0.251068 | 1 |
| Q3TU26;Q542T7;P1Ras-related protein Rab-3C         | Rab3c           | 26.193  | 26.24   | 7  | 25.623 | 40.597 | 271  | 0.859348 | 1 |
| Q3ULW0;P62827;C1GTP-binding nuclear protein Ran    | Ran;1700009N1   | 27.3114 | 27.9695 | 13 | 24.351 | 88.707 | 544  | 0.357354 | 1 |
| P62830 60S ribosomal protein L23                   | Rpl23           | 25.3134 | 23.757  | 7  | 14.865 | 48.118 | 128  | 0.53519  | 1 |
| P62835;C5H0E8;A0Ras-related protein Rap-1A         | Rap1a;Gm9392    | 22.0003 | 21.6112 | 11 | 20.987 | 11.468 | 20   | 0.758844 | 1 |
| Q3UT95;P62838;A0Ubiquitin-conjugating enzyme E2 D  | Ube2d2a;Ube2c   | 25.9105 | 24.2104 | 4  | 16.735 | 57.801 | 88   | 0.342364 | 1 |
| Q9D7P1;Q9CY61;Q40S ribosomal protein S24           | Rps24           | 23.2455 | 23.2668 | 4  | 15.325 | 18.382 | 58   | 0.985701 | 1 |
| Q58EA6;P62852 40S ribosomal protein S25            | Rps25           | 26.1849 | 24.2276 | 5  | 13.742 | 15.631 | 167  | 0.399279 | 1 |

|                 |   |                |         |         |    |        |        |      |          |   |
|-----------------|---|----------------|---------|---------|----|--------|--------|------|----------|---|
| Q497N1;P62855   | 40S ribosomal protein S26               | Rps26          | 25.7576 | 23.8533 | 5  | 13.015 | 16.972 | 66   | 0.415383 | 1 |
| P62869          | Transcription elongation factor B p     | Tceb2          | 24.8692 | 24.0432 | 11 | 13.17  | 22.843 | 93   | 0.717518 | 1 |
| Q3TQ70;P62874;Q | Guanine nucleotide-binding protein      | Gnb1           | 27.9201 | 29.3439 | 19 | 37.377 | 323.31 | 1063 | 0.429546 | 1 |
| Q3U9V4;P62880;E | Guanine nucleotide-binding protein      | Gnb2           | 28.9236 | 30.1415 | 20 | 37.331 | 323.31 | 1348 | 0.39919  | 1 |
| Q497D7;Q58DZ3;P | 60S ribosomal protein L30               | Rpl30          | 25.1512 | 24.0669 | 7  | 12.656 | 80.272 | 108  | 0.521876 | 1 |
| Q56A15;P62897   | Cytochrome c, somatic                   | Cycs           | 28.6768 | 26.6241 | 14 | 11.605 | 150.46 | 416  | 0.480864 | 1 |
| Q9CY93;Q5M9K9;P | 60S ribosomal protein L31               | Rpl31          | 25.4496 | 23.7178 | 8  | 14.411 | 17.224 | 80   | 0.402782 | 1 |
| Q5YLV3;P62908;Q | 40S ribosomal protein S3                | Rps3           | 25.2513 | 26.4289 | 24 | 26.674 | 94.948 | 355  | 0.212337 | 1 |
| P62911;Q5PR09   | 60S ribosomal protein L32               | Rpl32          | 26.5864 | 24.6036 | 11 | 15.86  | 27.54  | 70   | 0.330772 | 1 |
| Q3UJS0;P62918;Q | 60S ribosomal protein L8                | Rpl8           | 23.7747 | 25.2206 | 12 | 28.066 | 33.421 | 57   | 0.316117 | 1 |
| Q642L7;P62983;A | 5 Ubiquitin-40S ribosomal protein S2    | Rps27a;Ubc;Gr  | 28.8967 | 28.6507 | 7  | 17.951 | 131.05 | 553  | 0.45516  | 1 |
| Q5SW18;P63005;Q | Platelet-activating factor acetylhyd    | Pafah1b1       | 27.0222 | 26.9112 | 23 | 46.67  | 323.31 | 347  | 0.821486 | 1 |
| Q0PD63;P63011   | Ras-related protein Rab-3A              | Rab3a          | 29.1693 | 29.4479 | 9  | 24.97  | 152.93 | 1110 | 0.407902 | 1 |
| Q3UBA6;Q3TH56;P | Heat shock cognate 71 kDa protein       | Hspa8          | 31.8175 | 31.8524 | 46 | 70.898 | 323.31 | 3211 | 0.806301 | 1 |
| P63024          | Vesicle-associated membrane prot        | Vamp3          | 22.3483 | 22.7135 | 6  | 11.48  | 3.9091 | 21   | 0.898074 | 1 |
| P63028;D3YU75   | Translationally-controlled tumor pr     | Tpt1           | 26.4671 | 24.2731 | 7  | 19.462 | 50.056 | 140  | 0.432746 | 1 |
| Q3UX28;Q3TCV4;P | Mitochondrial pyruvate carrier 1        | Mpc1           | 24.9583 | 23.1766 | 5  | 12.454 | 241.62 | 32   | 0.368894 | 1 |
| Q5NTY0;Q3TK61;P | DnaJ homolog subfamily A membe          | Dnaja1         | 25.2716 | 25.6088 | 15 | 44.868 | 190.44 | 138  | 0.224758 | 1 |
| P63038          | 60 kDa heat shock protein, mitoch       | Hspd1          | 30.3744 | 30.3127 | 48 | 60.955 | 323.31 | 1902 | 0.407451 | 1 |
| P63040;D3YZ72   | Complexin-1                             | Cplx1          | 22.9371 | 21.6478 | 6  | 15.122 | 36.106 | 21   | 0.315283 | 1 |
| P63046;Q8BQV8   | Sulfotransferase 4A1;Sulfotransfer      | Sult4a1        | 22.433  | 24.2628 | 13 | 33.053 | 36.5   | 145  | 0.275305 | 1 |
| Q3TK95;P63073;A | C Eukaryotic translation initiation fac | Eif4e          | 23.1662 | 23.8118 | 6  | 25.053 | 13.163 | 53   | 0.423252 | 1 |
| P63085;Q3UF82;Q | Mitogen-activated protein kinase 1      | Mapk1;Erk2     | 28.4998 | 28.5694 | 28 | 41.275 | 323.31 | 832  | 0.676598 | 1 |
| Q6ZWM8;Q3U7K1;  | Serine/threonine-protein phosphat       | Ppp1cc         | 24.6352 | 24.6376 | 22 | 36.983 | 77.876 | 68   | 0.994155 | 1 |
| Q9CSX6;P63089;B | Pleiotrophin                            | Ptn            | 25.6048 | 23.4929 | 4  | 18.252 | 13.296 | 24   | 0.258517 | 1 |
| Z4YKV1;P63094;Q | 6 Guanine nucleotide-binding protein    | Gnas           | 25.7622 | 25.8599 | 14 | 44.178 | 169.01 | 193  | 0.551883 | 1 |
| P63101          | 14-3-3 protein zeta/delta               | Ywhaz          | 30.4493 | 32.1511 | 30 | 27.771 | 323.31 | 2248 | 0.379917 | 1 |
| Q8C0A7;P63115   | Asc-type amino acid transporter 1       | Slc7a10        | 21.9087 | 22.0881 | 3  | 57.525 | 4.1007 | 14   | 0.84218  | 1 |
| P63137          | Gamma-aminobutyric acid recepto         | Gabbr2         | 23.7365 | 24.0142 | 10 | 59.196 | 14.877 | 31   | 0.350364 | 1 |
| P63141          | Potassium voltage-gated channel s       | Kcna2          | 25.4287 | 25.6891 | 11 | 56.7   | 61.834 | 179  | 0.346321 | 1 |
| P63168;Q9D6F6;Q | Dynein light chain 1, cytoplasmic       | Dynll1;BC0485C | 24.6094 | 24.3544 | 7  | 10.366 | 51.204 | 38   | 0.746541 | 1 |
| P63213          | Guanine nucleotide-binding protein      | Gng2           | 25.7143 | 25.5523 | 6  | 7.8501 | 60.758 | 81   | 0.877554 | 1 |
| P63216          | Guanine nucleotide-binding protein      | Gng3           | 24.5537 | 23.4394 | 4  | 8.3047 | 63.222 | 34   | 0.099433 | 1 |

|   |         |         |         |    |        |        |       |          |   |
|---|---------|---------|---------|----|--------|--------|-------|----------|---|
| Q5M9L7;Q8BT90;P 40S ribosomal protein S17                                       | Rps17   | 25.8898 | 24.2163 | 7  | 15.524 | 72.797 | 154   | 0.48072  | 1 |
| Q3UN66;P63318;Q Protein kinase C;Protein kinase C g                             | Prkcg   | 28.5007 | 28.5003 | 39 | 78.357 | 323.31 | 944   | 0.99772  | 1 |
| P63321;Q9CXY0 Ras-related protein Ral-A   | Rala    | 23.8279 | 26.2525 | 12 | 23.553 | 59.88  | 228   | 0.375384 | 1 |
| Q5M9K7;Q3U9P0;F 40S ribosomal protein S10                                       | Rps10   | 26.9926 | 24.0847 | 8  | 18.916 | 74.77  | 227   | 0.304511 | 1 |
| P63330 Serine/threonine-protein phosphatase 2C alpha                            | PPP2CA  | 27.1446 | 27.0453 | 17 | 35.608 | 323.31 | 434   | 0.584952 | 1 |
| P67778;Q5SQG5;Q Prohibitin  | Phb     | 25.2751 | 28.0403 | 18 | 29.82  | 185.92 | 619   | 0.362574 | 1 |
| Q4VAG4;P67984 60S ribosomal protein L22   | Rpl22   | 24.6989 | 23.4477 | 2  | 14.759 | 8.4868 | 54    | 0.506185 | 1 |
| Q9CXK3;Q497E4;P Actin, alpha cardiac muscle 1;Actin                             | ACTC1   | 25.5271 | 26.1864 | 28 | 41.946 | 323.31 | 202   | 0.43099  | 1 |
| Q561N4;P68037;Q Ubiquitin-conjugating enzyme E2 L                               | UBE2L3  | 25.288  | 23.8528 | 8  | 17.861 | 54.145 | 148   | 0.578268 | 1 |
| P68040 Guanine nucleotide-binding protein G2L1                                  | GNB2L1  | 24.1979 | 26.3728 | 19 | 35.076 | 224.9  | 310   | 0.291978 | 1 |
| P68181;H6TMF6;H cAMP-dependent protein kinase catalytic subunit                 | PRKACB  | 27.1962 | 27.2768 | 24 | 40.707 | 135.31 | 469   | 0.508909 | 1 |
| P68368;A0A0A0M0C Tubulin alpha-4A chain   | Tuba4a  | 29.9113 | 29.7827 | 33 | 49.924 | 323.31 | 1448  | 0.719823 | 1 |
| P68369;Q5FW91;P Tubulin alpha-1A chain;Tubulin alpha-1A                         | Tuba1a  | 33.786  | 33.6006 | 36 | 50.135 | 323.31 | 16581 | 0.331846 | 1 |
| P68372;Q9DCR1;Q Tubulin beta-4B chain   | Tubb4b  | 33.5418 | 33.3771 | 37 | 49.83  | 323.31 | 10898 | 0.210338 | 1 |
| Q52L87;P68373 Tubulin alpha-1C chain  | Tuba1c  | 27.5746 | 27.3508 | 36 | 49.909 | 10.171 | 482   | 0.878971 | 1 |
| P68404 Protein kinase C beta type   | PRKCB   | 27.4553 | 27.6303 | 34 | 76.75  | 193.26 | 590   | 0.482463 | 1 |
| P68510 14-3-3 protein eta   | YWHAH   | 25.7586 | 28.5244 | 24 | 28.211 | 323.31 | 456   | 0.36568  | 1 |
| P70122;F6TN03 Ribosome maturation protein SBD1                                  | SBD1    | 20.9916 | 21.9642 | 6  | 28.78  | 5.0937 | 10    | 0.346281 | 1 |
| Q3TFE8;P70168;Q3 Importin subunit beta-1  | KPNB1   | 28.1268 | 28.1992 | 40 | 97.112 | 323.31 | 596   | 0.817244 | 1 |
| P70188;Q3UZA5 Kinesin-associated protein 3                                      | KIFAP3  | 23.3595 | 22.6966 | 6  | 91.29  | 40.318 | 18    | 0.601461 | 1 |
| Q5D098;P70195 Proteasome subunit beta type;Proteasome subunit beta-7            | PSMB7   | 23.8905 | 25.7264 | 13 | 29.76  | 34.029 | 103   | 0.348967 | 1 |
| Q14BZ3;P70202 Latexin   | LXN     | 22.8811 | 24.2741 | 5  | 25.492 | 49.201 | 70    | 0.367797 | 1 |
| P70206;Q3U3W7 Plexin-A1   | PLXNA1  | 25.9065 | 26.0857 | 39 | 211.1  | 173.06 | 175   | 0.422113 | 1 |
| P70207 Plexin-A2  | PLXNA2  | 22.8395 | 23.1551 | 20 | 211.53 | 11.646 | 21    | 0.806301 | 1 |
| P70227 Inositol 1,4,5-trisphosphate receptor type 3                             | ITPR3   | 22.2103 | 22.0118 | 10 | 304.27 | 6.1121 | 22    | 0.887816 | 1 |
| P70232 Neural cell adhesion molecule 1-like 1                                   | CHL1    | 25.7778 | 25.9782 | 23 | 135.07 | 97.852 | 102   | 0.384023 | 1 |
| Q5EBQ2;Q3TGC5;P Phosphatidylethanolamine-binding protein 1                      | PEBP1   | 29.6465 | 26.1094 | 14 | 20.83  | 323.31 | 716   | 0.342298 | 1 |
| Q3UGN9;Q3TQ49;C Signal transducing adapter molecule 1                           | STAM    | 23.6989 | 23.7707 | 11 | 51.144 | 65.815 | 68    | 0.852393 | 1 |
| Q921W2;Q545C1;F Nucleolysin TIAR  | TIAL1   | 22.2726 | 22.2122 | 7  | 41.53  | 10.396 | 20    | 0.841949 | 1 |
| P70333;Q3UR26 Heterogeneous nuclear ribonucleoprotein A2                        | HNRNP26 | 23.3785 | 23.7157 | 11 | 49.279 | 47.401 | 75    | 0.750651 | 1 |
| P70336;F8VPK5;Q6 Rho-associated protein kinase 2;Rho GTPase-activated protein 2 | ROCK2   | 27.2937 | 27.2347 | 51 | 160.58 | 203.45 | 298   | 0.723707 | 1 |
| P70349 Histidine triad nucleotide-binding protein 1                             | HINT1   | 26.3098 | 24.5145 | 8  | 13.777 | 50.405 | 151   | 0.486511 | 1 |
| Q9CWQ7;Q8C2D2; Ubiquitin fusion degradation protease 1                          | UFD1L   | 21.7169 | 21.867  | 6  | 34.482 | 12.64  | 12    | 0.728895 | 1 |

|  |         |         |    |        |        |      |          |          |
|--|---------|---------|----|--------|--------|------|----------|----------|
| Q8BW03;Q8BM84; ELAV-like protein;ELAV-like protein Elavl1          | 22.1054 | 24.1143 | 11 | 36.153 | 45.696 | 78   | 0.24306  | 1        |
| P70392;D3Z6K8 Ras-specific guanine nucleotide-rel Rasgrf2          | 24.0322 | 23.9366 | 14 | 135.67 | 31.649 | 36   | 0.83577  | 1        |
| Q4FE56;P70398 Ubiquitin carboxyl-terminal hydrok: Usp9x            | 27.9133 | 27.9072 | 87 | 290.21 | 323.31 | 495  | 0.956256 | 1        |
| Q3TKM5;Q3TGZ3;F Isocitrate dehydrogenase [NAD] su Idh3g            | 28.2834 | 28.2834 | 16 | 42.314 | 323.31 | 631  | 0.999982 | 0.999982 |
| Q3TG37;P70441 Na(+)/H(+) exchange regulatory co: Slc9a3r1          | 25.2314 | 25.204  | 15 | 38.6   | 234.93 | 127  | 0.963251 | 1        |
| Q3TYD5;P70663;Q: SPARC-like protein 1 Sparcl1                      | 24.1716 | 24.3624 | 11 | 72.342 | 30.654 | 64   | 0.677922 | 1        |
| Q60817;P70670;Q: Nascent polypeptide-associated co Naca            | 23.0094 | 23.6051 | 5  | 23.384 | 38.604 | 76   | 0.378561 | 1        |
| Q8BNT4;P70677 Caspase-3;Caspase-3 subunit p17;C Casp3              | 20.6717 | 20.7892 | 4  | 21.603 | 2.3712 | 9    | 0.895848 | 1        |
| P70697;A0A0A0M0 Uroporphyrinogen decarboxylase Urod                | 21.5329 | 21.5844 | 3  | 40.691 | 14.739 | 13   | 0.913394 | 1        |
| P70699;F6R5R5 Lysosomal alpha-glucosidase Gaa                      | 21.6115 | 22.8975 | 8  | 106.25 | 16.529 | 23   | 0.115624 | 1        |
| Q5DTG0;P70704;A: Phospholipid-transporting ATPase; Atp8a1          | 27.8342 | 27.9999 | 39 | 134.68 | 323.31 | 445  | 0.577977 | 1        |
| Q3TIJ7;Q3TET0;P8C T-complex protein 1 subunit eta Cct7             | 27.8174 | 27.7995 | 29 | 59.652 | 323.31 | 410  | 0.843192 | 1        |
| Q542X7;P80314;Q: T-complex protein 1 subunit beta Cct2             | 27.8487 | 27.7232 | 37 | 57.477 | 323.31 | 744  | 0.551618 | 1        |
| Q564F4;Q3UJZ8;Q: T-complex protein 1 subunit delta Cct4            | 27.3733 | 27.2932 | 29 | 58.066 | 248.21 | 412  | 0.641472 | 1        |
| P80316 T-complex protein 1 subunit epsilon Cct5                    | 27.7362 | 27.7449 | 29 | 59.623 | 323.31 | 566  | 0.940767 | 1        |
| Q52KG9;Q3TIX8;Q: T-complex protein 1 subunit zeta Cct6a            | 28.0959 | 28.0851 | 28 | 58.076 | 300.42 | 449  | 0.950113 | 1        |
| Q3U4U6;P80318;E: T-complex protein 1 subunit gamma Cct3            | 27.7644 | 27.855  | 33 | 60.629 | 323.31 | 486  | 0.651583 | 1        |
| Q5M9P1;P83882 60S ribosomal protein L36a Rpl36a                    | 23.7313 | 21.9964 | 6  | 12.441 | 10.045 | 23   | 0.300931 | 1        |
| Q6F4J1;Q6F4J0;Q8 Tubulin gamma chain;Tubulin gamma Tubg1;Tubg2     | 22.972  | 22.2667 | 7  | 51.1   | 94.252 | 34   | 0.49686  | 1        |
| P84075;E9PV73;A2 Neuron-specific calcium-binding pr Hpca           | 28.2303 | 25.2495 | 14 | 22.427 | 79.639 | 373  | 0.271717 | 1        |
| P84084 ADP-ribosylation factor 5 Arf5                              | 26.3596 | 24.5335 | 15 | 20.529 | 37.709 | 117  | 0.207228 | 1        |
| P84086 Complexin-2 Cplx2   | 25.8145 | 24.2036 | 9  | 15.394 | 35.471 | 108  | 0.31339  | 1        |
| Q5FWI9;P84091;Q: AP-2 complex subunit mu Ap2m1                     | 29.4015 | 29.3943 | 31 | 49.654 | 323.31 | 1175 | 0.958451 | 1        |
| Q3U781;Q9D6W4;I Serine/arginine-rich splicing factor Srsf3;Gm12355 | 25.5354 | 23.5517 | 6  | 14.203 | 10.412 | 71   | 0.316755 | 1        |
| P84309 Adenylate cyclase type 5 Adcy5                              | 23.2205 | 22.1752 | 7  | 139.12 | 7.4747 | 14   | 0.32731  | 1        |
| P97300;H3BIX4;Z4 Neuroplastin Nptn                                 | 29.1908 | 29.2351 | 16 | 44.373 | 323.31 | 613  | 0.763438 | 1        |
| Q4FJX4;P97315 Cysteine and glycine-rich protein 1 Csrp1            | 28.1996 | 25.3127 | 10 | 20.583 | 116.93 | 169  | 0.299671 | 1        |
| Q3UQY7;P97333 Neuropilin-1 Nrp1                                    | 21.9427 | 23.2224 | 3  | 93.826 | 2.1948 | 9    | 0.683754 | 1        |
| Q564F3;Q3UAC2;P: 40S ribosomal protein S3a Rps3a1;Rps3a            | 23.8166 | 26.4555 | 18 | 29.885 | 74.184 | 274  | 0.349531 | 1        |
| P97355;E9PZ58 Spermine synthase Sms                                | 22.4987 | 23.4388 | 8  | 41.313 | 97.481 | 62   | 0.341638 | 1        |
| Q544Q7;P97370;Q Sodium/potassium-transporting AT Atp1b3            | 24.532  | 24.3883 | 10 | 31.775 | 17.51  | 100  | 0.420667 | 1        |
| Q3U541;P97379;Q: Ras GTPase-activating protein-bind G3bp2          | 25.9976 | 25.8003 | 18 | 54.087 | 218.37 | 145  | 0.439566 | 1        |
| P97384;D3Z7U0 Annexin A11;Annexin Anxa11                           | 22.1789 | 22.0025 | 12 | 54.079 | 20.468 | 55   | 0.707997 | 1        |

|                 |  |           |         |         |    |        |        |      |          |   |
|-----------------|--|-----------|---------|---------|----|--------|--------|------|----------|---|
| Q3THX4;P97390   | Vacuolar protein sorting-associated protein 45       | Vps45     | 23.8594 | 23.9047 | 17 | 65.038 | 41.318 | 77   | 0.896798 | 1 |
| P97427          | Dihydropyrimidinase-related protein 1                | Crmp1     | 22.2018 | 24.2063 | 35 | 62.167 | 4.6056 | 8    | 0.302713 | 1 |
| Q7TMN7;P97429;S | Annexin A4   | Anxa4     | 20.2205 | 20.5424 | 3  | 35.929 | 2.6453 | 4    | 0.607349 | 1 |
| Q6NZC3;Q3TMQ7;I | Zinc transporter 3                                   | Slc30a3   | 25.5982 | 25.8169 | 11 | 41.852 | 109.89 | 171  | 0.265111 | 1 |
| Q3TB69;Q3UP74;P | Aminopeptidase N                                     | Anpep     | 22.9962 | 22.7632 | 10 | 80.398 | 12.486 | 21   | 0.890712 | 1 |
| P97492          | Regulator of G-protein signaling 14                  | Rgs14     | 22.7216 | 22.9031 | 13 | 59.846 | 27.967 | 21   | 0.547526 | 1 |
| Q3UNA7;Q3TEF1;P | Glutamate--cysteine ligase catalytic subunit         | Gclc      | 22.1531 | 22.6309 | 12 | 72.585 | 44.791 | 28   | 0.577039 | 1 |
| Q544A1;P97765;A | WW domain-binding protein 2                          | Wbp2      | 22.9274 | 25.0608 | 10 | 28.032 | 50.601 | 89   | 0.281178 | 1 |
| P97807          | Fumarate hydratase, mitochondrial                    | Fh        | 28.606  | 28.7737 | 27 | 54.356 | 323.31 | 1010 | 0.418561 | 1 |
| P97855;Q3UR88;Q | Ras GTPase-activating protein-binding protein 1      | G3bp1     | 21.9233 | 21.481  | 5  | 51.828 | 6.2569 | 12   | 0.234389 | 1 |
| P97930;Q6GRA7;D | Thymidylate kinase                                   | Dtymk     | 21.2279 | 20.9669 | 6  | 23.914 | 8.8974 | 13   | 0.778329 | 1 |
| P97952          | Sodium channel subunit beta-1                        | Scn1b     | 22.325  | 22.5787 | 5  | 24.65  | 9.3302 | 20   | 0.78032  | 1 |
| P99024          | Tubulin beta-5 chain                                 | Tubb5     | 30.6691 | 30.5153 | 33 | 49.67  | 323.31 | 1767 | 0.262551 | 1 |
| P99026          | Proteasome subunit beta type-4                       | Psmb4     | 24.5866 | 23.9491 | 8  | 29.116 | 43.446 | 120  | 0.719207 | 1 |
| P99027          | 60S acidic ribosomal protein P2                      | Rplp2     | 23.7845 | 22.816  | 4  | 11.651 | 19.821 | 47   | 0.621887 | 1 |
| P99028          | Cytochrome b-c1 complex subunit 1                    | Uqcrc1    | 23.3544 | 22.6351 | 4  | 10.435 | 46.273 | 35   | 0.651991 | 1 |
| Q3UWS9;Q3U7H9;  | Peroxiredoxin-5, mitochondrial                       | Prdx5     | 29.9429 | 27.4798 | 13 | 20.713 | 323.31 | 1047 | 0.450956 | 1 |
| Q543R4;Q00493   | Carboxypeptidase E                                   | Cpe       | 25.4446 | 25.2836 | 20 | 53.255 | 138.33 | 169  | 0.413824 | 1 |
| Q790Y8;Q00612;Q | Glucose-6-phosphate 1-dehydrogenase                  | G6pdx     | 24.9297 | 24.6732 | 23 | 59.262 | 56.784 | 125  | 0.348573 | 1 |
| Q3V2G1;Q00623;Q | Apolipoprotein A-I;Proapolipoprotein A-I             | Apoa1     | 23.2299 | 25.0488 | 16 | 30.684 | 29.075 | 106  | 0.373756 | 1 |
| Q00898          | Alpha-1-antitrypsin 1-5                              | Serpina1e | 23.5991 | 23.1248 | 13 | 45.891 | 59.996 | 56   | 0.379688 | 1 |
| Q58EU7;Q00915   | Retinol-binding protein 1                            | Rbp1      | 21.7658 | 21.6928 | 8  | 15.846 | 18.148 | 31   | 0.958279 | 1 |
| Q00PI9          | Heterogeneous nuclear ribonucleoprotein L            | Hnrnpul2  | 25.7284 | 25.7713 | 20 | 84.939 | 84.993 | 135  | 0.922258 | 1 |
| Q6PDS5;Q01065;Q | Calcium/calmodulin-dependent protein kinase 3, delta | Pde1b     | 24.6862 | 24.4922 | 18 | 52.536 | 90.316 | 76   | 0.724517 | 1 |
| Q9D031;Q01730;A | Ras suppressor protein 1                             | Rsu1      | 22.8659 | 24.472  | 10 | 31.461 | 83.297 | 37   | 0.253312 | 1 |
| Q01853;Q8BNF8   | Transitional endoplasmic reticulum chaperone         | Vcp       | 29.7708 | 29.8044 | 50 | 89.321 | 323.31 | 1352 | 0.855649 | 1 |
| Q3UZT7;Q02248;E | Catenin beta-1                                       | Ctnnb1    | 27.9235 | 27.8288 | 33 | 85.496 | 323.31 | 510  | 0.600723 | 1 |
| Q02257          | Junction plakoglobin                                 | Jup       | 22.4983 | 22.132  | 13 | 81.8   | 11.084 | 16   | 0.614356 | 1 |
| Q02788;D3Z7D5   | Collagen alpha-2(VI) chain                           | Col6a2    | 21.9641 | 20.9608 | 5  | 110.33 | 6.4345 | 17   | 0.36197  | 1 |
| Q03137;Q99KA8   | Ephrin type-A receptor 4;Receptor                    | Epha4     | 25.4408 | 25.3511 | 18 | 109.81 | 77.931 | 134  | 0.831859 | 1 |
| Q03141;Q9JKE5;Q | MAP/microtubule affinity-regulating protein 3        | Mark3     | 21.4625 | 21.2772 | 13 | 84.389 | 7.6183 | 12   | 0.135159 | 1 |
| Q03265;D3Z6F5   | ATP synthase subunit alpha, mitochondrial            | Atp5a1    | 31.9881 | 32.0622 | 39 | 59.752 | 323.31 | 4909 | 0.690325 | 1 |
| Q80X33;Q03717;Q | Potassium voltage-gated channel subfamily B member 1 | Kcnb1     | 22.672  | 23.2423 | 4  | 86.566 | 8.1323 | 13   | 0.434483 | 1 |

|                  |                                       |              |         |         |    |        |        |      |          |   |
|------------------|---------------------------------------|--------------|---------|---------|----|--------|--------|------|----------|---|
| Q04447           | Creatine kinase B-type                | Ckb          | 32.4169 | 32.3512 | 28 | 42.713 | 323.31 | 6221 | 0.404637 | 1 |
| Q04690           | Neurofibromin                         | Nf1          | 25.649  | 25.5276 | 37 | 319.59 | 57.441 | 100  | 0.691861 | 1 |
| Q8CBP1;Q8C762;Q  | Non-specific protein-tyrosine kinas   | Yes1         | 20.3591 | 21.1659 | 6  | 60.657 | 4.8868 | 7    | 0.199106 | 1 |
| Q04857;Q8C6Y0    | Collagen alpha-1(VI) chain            | Col6a1       | 23.4764 | 23.103  | 10 | 108.49 | 18.615 | 30   | 0.606785 | 1 |
| Q0VDL6;Q04899;Q  | Cyclin-dependent kinase 18            | Cdk18        | 22.2086 | 22.4492 | 8  | 51.847 | 17.863 | 32   | 0.794515 | 1 |
| Q49713;Q05816;Q3 | Fatty acid-binding protein, epiderr   | Fabp5        | 26.8479 | 24.4426 | 12 | 15.137 | 149.97 | 233  | 0.350081 | 1 |
| Q05A62;D3YTL1    | Dynein light chain 1, axonemal        | Dnal1        | 23.6205 | 22.5757 | 3  | 21.465 | 6.1136 | 16   | 0.366127 | 1 |
| Q05C56;Q9QYB5;Q  | Gamma-adducin                         | Add3         | 26.0525 | 26.0424 | 22 | 76.616 | 161.92 | 175  | 0.956584 | 1 |
| Q05D44;Q8BYY7    | Eukaryotic translation initiation fac | Eif5b        | 22.1283 | 23.1624 | 5  | 137.61 | 9.5848 | 12   | 0.326634 | 1 |
| Q06138;Q8K312    | Calcium-binding protein 39            | Cab39        | 25.4318 | 25.7067 | 18 | 39.842 | 124.96 | 220  | 0.349943 | 1 |
| Q06185;Q5EBI8    | ATP synthase subunit e, mitochonc     | Atp5i;Atp5k  | 27.515  | 25.0787 | 8  | 8.2355 | 41.198 | 206  | 0.343784 | 1 |
| Q7TT34;Q64348;Ql | Amyloid-like protein 2                | Aplp2        | 23.0244 | 23.2262 | 9  | 79.014 | 41.682 | 17   | 0.867351 | 1 |
| Q549A5;Q06890;Q  | Clusterin;Clusterin;Clusterin beta c  | Clu          | 25.0613 | 25.1317 | 14 | 51.655 | 56.479 | 115  | 0.794467 | 1 |
| Q922A2;Q3TJ49;Ql | Annexin;Annexin A7                    | Anxa7        | 25.7215 | 25.7875 | 19 | 49.909 | 144.38 | 282  | 0.846951 | 1 |
| Q07417           | Short-chain specific acyl-CoA dehyd   | Acads        | 22.1151 | 22.0307 | 9  | 44.889 | 17.617 | 33   | 0.921634 | 1 |
| Q08331;Q8CCS7    | Calretinin                            | Calb2        | 24.0445 | 25.8075 | 17 | 31.372 | 33.484 | 158  | 0.435943 | 1 |
| Q0KL02           | Triple functional domain protein      | Trio         | 26.2112 | 26.1921 | 39 | 347.86 | 129.87 | 223  | 0.773393 | 1 |
| Q0P5W2;Q8C0L0;A  | Thioredoxin-related transmembrar      | Tmx4         | 23.1759 | 23.1774 | 5  | 37.131 | 11.178 | 56   | 0.995798 | 1 |
| Q0PD15;Q8BHD0    | Ras-related protein Rab-39A           | Rab39;Rab39a | 23.7152 | 24.3584 | 3  | 24.977 | 7.7808 | 45   | 0.593235 | 1 |
| Q3TYH2;Q0PD40;Q  | Ras-related protein Rab-15            | Rab15        | 21.2758 | 20.7829 | 6  | 24.332 | 4.4549 | 11   | 0.534846 | 1 |
| Q0PD62;Q9CZT8;A  | Ras-related protein Rab-3B            | Rab3b        | 24.7238 | 24.9439 | 6  | 24.757 | 19.813 | 163  | 0.431323 | 1 |
| Q0PD66;Q9D1G1;C  | Ras-related protein Rab-1B            | Rab1b        | 25.7583 | 24.2287 | 10 | 22.187 | 61.486 | 140  | 0.252968 | 1 |
| Q0QEZ4;Q9CQA3;C  | Succinate dehydrogenase [ubiquin      | Sdhb         | 24.1482 | 27.2203 | 15 | 27.208 | 74.753 | 303  | 0.351766 | 1 |
| Q0VB06;Q571F3;Q  | Adaptin ear-binding coat-associate    | Necap1       | 26.0529 | 25.9431 | 10 | 29.639 | 102.7  | 217  | 0.577202 | 1 |
| Q0VBD0           | Integrin beta                         | Itgb8        | 21.6276 | 20.9042 | 5  | 84.518 | 5.705  | 8    | 0.465666 | 1 |
| Q0VF55           | Calcium-transporting ATPase           | Atp2b3       | 27.4488 | 27.6906 | 49 | 134.36 | 235.42 | 310  | 0.387361 | 1 |
| Q0VGS8;Q9Z2W9    | Glutamate receptor 3                  | Gria3        | 26.8341 | 26.9245 | 27 | 100.49 | 323.31 | 299  | 0.302061 | 1 |
| Q3U281;Q0VGU0;C  | GTP-binding protein SAR1b             | Sar1b        | 23.6541 | 22.591  | 11 | 22.31  | 30.34  | 27   | 0.264851 | 1 |
| Q0VGU4           | Neurosecretory protein VGF            | Vgf          | 21.416  | 21.206  | 1  | 68.231 | 29.057 | 20   | 0.854356 | 1 |
| Q11011;E9Q039;Ff | Puromycin-sensitive aminopeptida      | Npepps       | 28.5269 | 28.5036 | 46 | 103.32 | 323.31 | 849  | 0.876655 | 1 |
| Q148P2;Q9D404    | 3-oxoacyl-[acyl-carrier-protein] syn  | Oxsm         | 21.7346 | 21.938  | 7  | 48.643 | 16.524 | 26   | 0.796297 | 1 |
| Q148T5;Q148T4;Ql | Tenascin                              | Tnc          | 21.0656 | 21.5956 | 3  | 172.25 | 5.8686 | 9    | 0.514598 | 1 |
| Q149D1;Q8BH55;C  | Threonine synthase-like 1             | Thnsl1       | 22.8711 | 23.0425 | 13 | 83.099 | 22.855 | 31   | 0.450335 | 1 |

|                                  |  |                    |         |         |    |        |        |     |          |   |
|----------------------------------|--|--------------------|---------|---------|----|--------|--------|-----|----------|---|
| Q14AG7;Q920N7                    | Synaptotagmin-12                                     | Syt12              | 22.027  | 22.3183 | 8  | 46.68  | 15.325 | 15  | 0.62132  | 1 |
| Q14AZ9;Q8BGC4;Q8CA04;Q14B21;Q39S | Zinc-binding alcohol dehydrogenase                   | Zadh2              | 22.4044 | 22.8207 | 8  | 40.528 | 18.339 | 37  | 0.586463 | 1 |
| Q14BB9                           | MAP6 domain-containing protein 1                     | Map6d1             | 20.3211 | 20.2402 | 2  | 30.274 | 4.3616 | 4   | 0.85492  | 1 |
| Q14BF8;Q5NCF2;B                  | Trafficking protein particle complex                 | Trappc1            | 25.505  | 23.6725 | 6  | 20.432 | 21.075 | 66  | 0.257045 | 1 |
| Q14BH8                           | Cacna2d1 protein                                     | Cacna2d1           | 21.1037 | 19.5365 | 3  | 16.881 | 4.3259 | 15  | 0.166338 | 1 |
| Q14BI2;A0A0J9YVF                 | Metabotropic glutamate receptor 7                    | Grm2               | 28.0721 | 27.9751 | 36 | 122.7  | 323.31 | 357 | 0.460166 | 1 |
| Q14BI2;A0A0J9YVF                 | Metabotropic glutamate receptor 7                    | Grm2               | 26.7436 | 26.841  | 23 | 95.886 | 199.54 | 239 | 0.655314 | 1 |
| Q14BV7;Q9D061                    | Acyl-CoA-binding domain-containing protein 6         | Acbd6              | 21.4229 | 22.7931 | 7  | 30.887 | 11.664 | 22  | 0.278662 | 1 |
| Q14C24;Q9D883;G                  | Splicing factor U2AF 35 kDa subunit                  | U2af1              | 20.8164 | 21.6576 | 6  | 27.815 | 11.711 | 18  | 0.403516 | 1 |
| Q14C26;Q9EP72                    | ER membrane protein complex subunit                  | Emc7               | 21.6383 | 21.0452 | 4  | 26.31  | 5.8188 | 7   | 0.577039 | 1 |
| Q14C38;Q8CCT4                    | Transcription elongation factor A polypeptide        | Tceal5             | 23.9176 | 24.066  | 7  | 22.038 | 68.608 | 61  | 0.758369 | 1 |
| Q8BSI7;Q14C51;Q3                 | Pentatricopeptide repeat domain-containing protein 3 | Ptcd3              | 20.5531 | 21.3151 | 3  | 51.963 | 5.9286 | 12  | 0.178599 | 1 |
| Q19AB3;Q7TPD3;Q                  | Roundabout homolog 2                                 | Robo2              | 22.4385 | 23.264  | 7  | 167.25 | 5.5845 | 9   | 0.566118 | 1 |
| Q1A602                           | Non-muscle alpha-actinin 4                           | Actn4              | 24.3307 | 24.2925 | 59 | 104.91 | 5.0044 | 15  | 0.963456 | 1 |
| Q3TWP9;Q3TM70;E                  | H domain-containing protein 4                        | Ehd4               | 20.8986 | 22.2169 | 11 | 61.466 | 9.0625 | 22  | 0.126024 | 1 |
| Q1MXF8;Q56A07                    | Sodium channel subunit beta-2                        | Scn2b              | 24.2038 | 24.16   | 8  | 24.227 | 29.041 | 45  | 0.903544 | 1 |
| Q9D6G1;Q544Z3;Q                  | Heterogeneous nuclear ribonucleoprotein              | Hnrnpab            | 24.8755 | 24.9132 | 9  | 29.922 | 43.976 | 160 | 0.847542 | 1 |
| Q2KHK7;Q8BI08                    | Protein MAL2   | Mal2               | 26.6677 | 26.7634 | 2  | 19.094 | 46.151 | 132 | 0.532445 | 1 |
| Q2M3X8;B1B1B8                    | Phosphatase and actin regulator 1                    | Phactr1            | 23.9341 | 23.824  | 11 | 66.285 | 24.805 | 37  | 0.581868 | 1 |
| Q2UZW7;Q6PER3                    | Microtubule-associated protein RP                    | Mapre3             | 26.4982 | 27.4058 | 19 | 31.966 | 171.53 | 361 | 0.281169 | 1 |
| Q2YDW1;Q3UGC7;                   | Eukaryotic translation initiation factor             | Eif3j;Eif3j1;Eif3j | 22.2161 | 21.5106 | 9  | 25.276 | 18.583 | 19  | 0.363543 | 1 |
| Q9DCC5;Q32P00;I6                 | Chromobox protein homolog 3                          | Cbx3               | 24.0762 | 22.1267 | 5  | 20.811 | 24.196 | 27  | 0.238399 | 1 |
| Q32P16;Q91V09;S4                 | WD repeat-containing protein 13                      | Wdr13              | 23.425  | 23.3344 | 10 | 53.663 | 47.997 | 59  | 0.893351 | 1 |
| Q3B7Z2                           | Oxysterol-binding protein 1                          | Osbp               | 22.878  | 22.6613 | 10 | 88.796 | 15.29  | 35  | 0.597496 | 1 |
| Q3KN99;Q8JZP2                    | Synapsin-3   | Syn3               | 24.6355 | 24.6057 | 17 | 63.312 | 86.58  | 87  | 0.852198 | 1 |
| Q3KNA5;Q8BHH2                    | Ras-related protein Rab-9B                           | Rab9b              | 21.6621 | 21.6537 | 4  | 22.704 | 5.8414 | 23  | 0.993633 | 1 |
| Q3KQQ1;Q3UVN5;I                  | NSFL1 cofactor p47                                   | Nsfl1c             | 26.0576 | 26.1946 | 18 | 40.594 | 181.24 | 223 | 0.521472 | 1 |
| Q3KQQ4;Q91X22                    | Serpina1b protein                                    | Serpina1b          | 25.2365 | 25.0609 | 16 | 45.896 | 138.9  | 151 | 0.598225 | 1 |
| Q3ZB62;Q3T1F6;Q                  | Myelin-associated glycoprotein                       | Mag                | 24.6705 | 25.0682 | 11 | 64.296 | 37.057 | 109 | 0.520408 | 1 |
| Q3TN93;Q3T992;Q                  | Ubiquilin-1  | Ubqln1             | 23.2378 | 23.5596 | 11 | 58.678 | 20.875 | 59  | 0.445208 | 1 |
| Q78KL9;Q3TAV0;Q                  | Oligoribonuclease, mitochondrial                     | Rexo2              | 22.5177 | 22.5044 | 3  | 23.613 | 18.784 | 17  | 0.994604 | 1 |
| Q3TE80;Q3T9M2;A0A087WSJ7;Q9CWW9  |  | 2410002F23Rik      | 20.3404 | 19.9968 | 3  | 32.373 | 3.5126 | 6   | 0.418261 | 1 |
| Q3T9Z2;Q91Z53;D6                 | Glyoxylate reductase/hydroxypyruvate reductase       | Grhpr              | 25.2661 | 25.5556 | 17 | 35.328 | 282    | 170 | 0.63076  | 1 |

|  |         |         |    |        |        |     |          |   |
|--|---------|---------|----|--------|--------|-----|----------|---|
| Q8K239;Q3TA37;Q Elongation factor Ts;Elongation fac Tsfm       | 23.04   | 24.8621 | 8  | 35.116 | 79.614 | 74  | 0.321751 | 1 |
| Q3TA40;Q8R0A7;Q Uncharacterized protein KIAA0513 6430548M08Ril | 25.0104 | 24.7968 | 19 | 45.218 | 83.362 | 140 | 0.634448 | 1 |
| Q3TA75;Q6P5B5;Q Fragile X mental retardation syndrc Fxr2       | 22.3011 | 21.4794 | 5  | 70.528 | 8.1365 | 10  | 0.415841 | 1 |
| Q3TBX9;Q3UGI8;Q Tuberin Tsc2                                   | 23.4728 | 23.1782 | 9  | 157.14 | 15.304 | 24  | 0.284291 | 1 |
| Q3TCD4;Q9WUR2;  Enoyl-CoA delta isomerase 2, mito Eci2         | 21.6835 | 21.6231 | 6  | 41.779 | 10.395 | 38  | 0.870855 | 1 |
| Q3TCH7;Q3UD60;C Cullin-4A Cul4a                                | 20.6637 | 20.9829 | 11 | 87.752 | 3.4224 | 5   | 0.193104 | 1 |
| Q543B9;Q3TCS0;Q Prolyl endopeptidase Prep                      | 25.1865 | 25.2458 | 23 | 80.751 | 78.849 | 130 | 0.870259 | 1 |
| Q3TD51;Q570Z8 Phosphatidylinositol-binding clathr Picalm       | 23.3333 | 24.0606 | 15 | 64.647 | 128.82 | 46  | 0.507515 | 1 |
| Q3TD71;Q8K021;Q Secretory carrier-associated memb Scamp1       | 26.1327 | 26.3    | 10 | 38.028 | 123.21 | 102 | 0.788    | 1 |
| Q7TMG8;Q3TD78;(Protein NipSnap homolog 2 Gbas                  | 25.6108 | 26.9949 | 13 | 32.898 | 202.97 | 233 | 0.337031 | 1 |
| Q3TDA1;Q8BX94;Q Oxysterol-binding protein;Oxysterc Osbpl2      | 21.4643 | 21.4801 | 9  | 55.372 | 13.183 | 20  | 0.979785 | 1 |
| Q3TDA7;Q9WVE8;(Protein kinase C and casein kinase Pacsin2      | 24.1569 | 23.7445 | 11 | 55.832 | 59.134 | 41  | 0.285565 | 1 |
| Q3TDD8;Q3UGC0;(Eukaryotic translation initiation fac Eif4b     | 25.5603 | 25.4864 | 15 | 68.709 | 222.33 | 64  | 0.777569 | 1 |
| Q3TDD9 Protein phosphatase 1 regulatory s Ppp1r21              | 22.525  | 22.751  | 14 | 88.337 | 28.807 | 27  | 0.821323 | 1 |
| Q3U6V5;Q3TL10;Q Eukaryotic peptide chain release fa Etf1       | 21.5585 | 21.0352 | 8  | 43.571 | 17.657 | 23  | 0.55558  | 1 |
| Q3TDK6 Protein rogdi homolog Rogdi                             | 23.1043 | 24.585  | 13 | 32.1   | 74.473 | 104 | 0.267705 | 1 |
| Q3TDL0;Q8BV13 COP9 signalosome complex subuni Cops7b           | 21.7893 | 21.5069 | 3  | 29.707 | 10.688 | 15  | 0.890412 | 1 |
| Q3TDN2;D3Z2H4 FAS-associated factor 2 Faf2                     | 22.0085 | 22.4017 | 7  | 52.471 | 17.017 | 41  | 0.203199 | 1 |
| Q3TDN8;Q8R164 Valacyclovir hydrolase Bphl                      | 24.1517 | 25.5388 | 15 | 33.705 | 77.86  | 152 | 0.443162 | 1 |
| Q3TDX2;Q8VEJ9 Vacuolar protein sorting-associated Vps4a        | 21.4629 | 21.6125 | 7  | 48.834 | 15.59  | 23  | 0.891437 | 1 |
| Q3TE95;Q8BP92 Reticulocalbin-2 Rcn2                            | 22.4225 | 21.8131 | 9  | 41.039 | 30.362 | 37  | 0.615403 | 1 |
| Z4YKB8;Q3TEA8;Z4 Heterochromatin protein 1-binding Hp1bp3      | 24.2859 | 23.6553 | 11 | 60.85  | 60.818 | 67  | 0.255274 | 1 |
| Q3TEN9;Q64516;Q Glycerol kinase Gyk;Gk                         | 24.7239 | 24.693  | 23 | 57.427 | 92.057 | 133 | 0.790901 | 1 |
| Q3TES0;Q3UHH6 IQ motif and SEC7 domain-containi Iqsec3         | 23.3401 | 23.2462 | 9  | 129.12 | 14.099 | 19  | 0.459508 | 1 |
| Q5PPQ7;Q499X7;Q Coronin;Coronin-1C Coro1c                      | 27.1338 | 27.0357 | 22 | 53.092 | 323.31 | 419 | 0.715038 | 1 |
| Q3TEX7;Q80U63;Q Mitofusin-2 Mfn2                               | 23.6595 | 24.174  | 22 | 86.186 | 44.864 | 60  | 0.29601  | 1 |
| Q4FK11;Q3UM20;(Non-POU domain-containing octan Nono            | 26.3912 | 26.4285 | 20 | 54.54  | 146.46 | 173 | 0.900191 | 1 |
| Q3TF84;Q922Q8 Leucine-rich repeat-containing pro Lrrc59        | 22.8577 | 23.6546 | 11 | 20.408 | 41.253 | 59  | 0.408829 | 1 |
| Q3TMC5;Q3TF87;C Aspartate--tRNA ligase, cytoplasmic Dars       | 25.8188 | 25.9246 | 25 | 57.181 | 93.761 | 194 | 0.593212 | 1 |
| Q3TFD0;Q9CZN7;Q Serine hydroxymethyltransferase Shmt2          | 22.0602 | 22.6934 | 9  | 55.42  | 14.549 | 24  | 0.344198 | 1 |
| Q3TFF0 Uncharacterized protein Dnaja2                          | 25.3562 | 25.6071 | 17 | 45.746 | 129.23 | 245 | 0.166574 | 1 |
| Q8BWW3;Q8BZ65; Phosphoacetylglucosamine mutase Pgm3            | 22.1237 | 22.8921 | 10 | 54.989 | 17.907 | 27  | 0.433754 | 1 |
| Q3TFK2;Q8C0C2;Q Ubiquitin carboxyl-terminal hydroly Usp11      | 19.9471 | 20.6958 | 5  | 62.958 | 3.2552 | 6   | 0.034656 | 1 |

|  |         |         |    |        |        |      |          |   |
|--|---------|---------|----|--------|--------|------|----------|---|
| Q6PDC2;Q9CZL0;Q Transmembrane emp24 domain-cc Tmed9            | 22.1275 | 22.893  | 4  | 27.127 | 6.3598 | 27   | 0.506716 | 1 |
| Q3TG12;Q9WUA2; Phenylalanine--tRNA ligase beta su Farsb        | 24.997  | 25.1214 | 19 | 65.565 | 48.98  | 165  | 0.233684 | 1 |
| Q3TGR2;Q8K0E8 Fibrinogen beta chain;Fibrinopeptid Fgb          | 21.3003 | 21.1996 | 12 | 54.752 | 68.523 | 28   | 0.710085 | 1 |
| Q6ZWQ5;Q3TGS7;(Sorting nexin-12 Snx12                          | 26.7708 | 24.4887 | 13 | 18.884 | 33.293 | 171  | 0.369428 | 1 |
| Q3U4R0;Q3TGX0;C Secretory carrier-associated memb Scamp4       | 22.4899 | 20.1851 | 2  | 25.368 | 5.5476 | 18   | 0.052987 | 1 |
| Q3TH57;Q8CGF7 Transcription elongation regulator Tcerg1        | 22.5068 | 22.195  | 7  | 123.79 | 6.843  | 17   | 0.72532  | 1 |
| Q544H0;Q3THA0;C Eukaryotic translation initiation fac Eif3g    | 22.1102 | 22.651  | 6  | 35.638 | 23.454 | 50   | 0.183009 | 1 |
| Q3THA6;Q8BL97 Serine/arginine-rich splicing factor Srsf7       | 24.0083 | 24.2163 | 10 | 27.377 | 22.394 | 58   | 0.737757 | 1 |
| Q3THC1;Q9CR00;Q 26S proteasome non-ATPase reguli Psmc9         | 21.6133 | 23.068  | 8  | 24.692 | 16.435 | 25   | 0.103554 | 1 |
| Q3THE2;Q6ZWQ9;(Myosin regulatory light chain 12B Myl12b;Myl12a | 24.3944 | 22.5369 | 7  | 19.779 | 8.2257 | 71   | 0.25115  | 1 |
| Q3TMT4;Q3THE7;C 4-trimethylaminobutyraldehyde de Aldh9a1       | 24.8035 | 24.8145 | 16 | 53.529 | 135.08 | 97   | 0.977497 | 1 |
| Q3THH1;Q922R8;Q Protein disulfide-isomerase A6 Pdia6           | 25.6524 | 25.8384 | 11 | 48.657 | 182.29 | 247  | 0.39792  | 1 |
| Q3TIG8;Q3THL7;F2 Voltage-dependent anion-selective Vdac1       | 28.7028 | 30.9774 | 22 | 30.795 | 323.31 | 2730 | 0.25205  | 1 |
| Q8BU29;Q6NXZ0;C Dipeptidyl peptidase 3 Dpp3                    | 26.4015 | 26.4757 | 31 | 82.882 | 178.72 | 184  | 0.460969 | 1 |
| Q3THQ5;Q60864 Stress-induced-phosphoprotein 1 Stip1            | 28.1777 | 28.2008 | 42 | 62.5   | 323.31 | 486  | 0.950079 | 1 |
| Q99J57;Q3THS6;Q S-adenosylmethionine synthase;S- Mat2a         | 24.1083 | 24.1261 | 14 | 43.688 | 39.248 | 94   | 0.973481 | 1 |
| Q3THU8;Q8VEM8;(Phosphate carrier protein, mitochc Slc25a3      | 29.9627 | 30.1162 | 23 | 39.613 | 271.17 | 862  | 0.814424 | 1 |
| Q3UWN7;Q3UCY7; V-type proton ATPase subunit S1 Atp6ap1         | 24.9338 | 24.9247 | 6  | 41.856 | 36.02  | 134  | 0.963153 | 1 |
| Q6NZD2;Q3U4S1;C Sorting nexin-1 Snx1                           | 25.132  | 25.0883 | 17 | 58.878 | 95.377 | 96   | 0.754142 | 1 |
| Q3TI65;Q9CRB8 Mitochondrial fission process prote Mtfp1        | 23.7121 | 22.3284 | 7  | 18.318 | 14.835 | 77   | 0.28289  | 1 |
| Q3TIC8;Q9CZ13;Q3 Cytochrome b-c1 complex subunit Uqcrc1        | 29.1967 | 29.363  | 23 | 52.752 | 323.31 | 1356 | 0.655245 | 1 |
| Q3TX06;Q3TIK1;Q9 Golgi reassembly-stacking protein :Gorasp2    | 22.1891 | 21.5019 | 6  | 47.068 | 17.678 | 18   | 0.582174 | 1 |
| Q8BU21;Q8BML9;( Glutamine--tRNA ligase Qars                    | 24.8854 | 24.9748 | 18 | 87.729 | 43.894 | 33   | 0.83986  | 1 |
| Q542F1;Q3TIP8;Q9 Chloride intracellular channel prote Clic1    | 21.3377 | 21.7023 | 6  | 27.013 | 4.0391 | 12   | 0.308531 | 1 |
| Q3TIR3;A0A1B0GSI Synembryn-A Ric8a                             | 21.2294 | 21.3956 | 6  | 59.846 | 10.272 | 8    | 0.800756 | 1 |
| Q80ZZ0;Q3TIT3;Q8 EH domain-containing protein 1 Ehd1           | 24.0278 | 23.7392 | 27 | 60.602 | 41.74  | 52   | 0.766799 | 1 |
| Q3TIU7;Q91VD9;Q NADH-ubiquinone oxidoreductase Ndufs1          | 29.6835 | 29.739  | 43 | 79.662 | 323.31 | 1076 | 0.86442  | 1 |
| Q8C292;Q8C1V4;Q Lysine--tRNA ligase Kars                       | 23.8587 | 24.0649 | 16 | 67.883 | 33.293 | 70   | 0.290588 | 1 |
| Q3TJ01;Q99LF4 tRNA-splicing ligase RtcB homolog Rtcb           | 25.3247 | 25.1373 | 24 | 55.253 | 108.74 | 166  | 0.6041   | 1 |
| Q3TJA9;Q99M87 DnaJ homolog subfamily A membe Dnaja3            | 23.5786 | 22.5518 | 9  | 49.486 | 76.282 | 43   | 0.49383  | 1 |
| Q3TJC2;Q61205;D3 Platelet-activating factor acetylhyd Pafah1b3 | 22.4881 | 24.293  | 11 | 25.853 | 16.183 | 63   | 0.289567 | 1 |
| Q6GQU1;Q3TJE3;Q Hexokinase;Hexokinase-1 Hk1                    | 31.5431 | 31.4771 | 62 | 102.3  | 323.31 | 2758 | 0.796399 | 1 |
| Q3TJG6;Q9R0Q7;D Prostaglandin E synthase 3 Ptges3              | 26.8885 | 24.4955 | 8  | 18.747 | 91.563 | 135  | 0.349817 | 1 |

|   |                 |         |         |    |        |        |     |          |   |
|---|-----------------|---------|---------|----|--------|--------|-----|----------|---|
| Q8C5E7;Q3TJN6;Q Sorting nexin-5                       | Snx5            | 22.0509 | 22.102  | 9  | 46.798 | 25.392 | 40  | 0.974597 | 1 |
| Q543Y2;Q3TJP6;Q Hematopoietic progenitor cell anti    | Cd34            | 22.5417 | 21.6447 | 4  | 35.262 | 10.35  | 16  | 0.443879 | 1 |
| Q3U6Z1;Q3TJX0;Q Plastin-2                             | Lcp1            | 23.1707 | 23.304  | 14 | 70.172 | 19.423 | 21  | 0.714445 | 1 |
| Q922Z3;Q3UPJ8;Q Heat shock protein 75 kDa, mitoch     | Trap1           | 23.8864 | 23.9569 | 18 | 80.077 | 54.374 | 66  | 0.772469 | 1 |
| Q3TKM9;Q9CPW4; Actin-related protein 2/3 complex      | Arpc5           | 25.8029 | 23.7532 | 4  | 16.228 | 27.364 | 114 | 0.369513 | 1 |
| Q3TKV1;Q8VDM4;(26S proteasome non-ATPase regul        | Psm2;Gm5422     | 27.1349 | 26.9718 | 38 | 100.2  | 267.48 | 387 | 0.444271 | 1 |
| Q3TL72;Q8C878;Q NEDD8-activating enzyme E1 cataly     | Uba3            | 22.6414 | 23.2485 | 14 | 49.957 | 52.532 | 44  | 0.56746  | 1 |
| Q3TL79;Q8BK64 Activator of 90 kDa heat shock pro      | Ahsa1           | 24.3642 | 24.1952 | 12 | 38.145 | 102.74 | 109 | 0.620422 | 1 |
| Q3TLE2;Q8CIB5;Q Fermitin family homolog 2             | Fermt2          | 23.388  | 23.4759 | 14 | 77.8   | 45.184 | 42  | 0.782907 | 1 |
| Q9JJQ6;Q3TLS9;Q8 Factor VIII intron 22 protein        | F8a;F8a1        | 22.219  | 21.9503 | 7  | 40.473 | 69.627 | 17  | 0.565942 | 1 |
| Q3UDN2;Q3TX19;C Vacuolar protein sorting-associater   | Vps53           | 23.9562 | 24.009  | 17 | 94.35  | 78.375 | 41  | 0.763718 | 1 |
| Q3TM89;Q3UCC5;(PEST proteolytic signal-containing     | Pcnp            | 20.8167 | 21.3288 | 3  | 15.561 | 8.4212 | 5   | 0.425075 | 1 |
| Q3TMH2 Secernin-3                                     | Scrn3           | 23.2086 | 23.3549 | 8  | 47.661 | 20.751 | 56  | 0.687363 | 1 |
| Q3UIJ2;Q3TML6;Q Eukaryotic translation initiation fac | Eif2s3x;Eif2s3y | 24.7567 | 24.4445 | 16 | 51.105 | 100.2  | 74  | 0.13751  | 1 |
| Q8BM63;Q3TMN8;5-AMP-activated protein kinase sul      | Prkag2          | 21.1538 | 21.0782 | 5  | 30.466 | 6.5172 | 19  | 0.706    | 1 |
| Q3TMZ1;Q922Q4;(Pyrroline-5-carboxylate reductase;     | Pycr2           | 21.3467 | 22.6535 | 10 | 33.659 | 16.068 | 27  | 0.284051 | 1 |
| Q3TN26;Q3TP13;Q Long-chain fatty acid transport pro   | Slc27a1         | 22.6853 | 22.84   | 7  | 69.409 | 7.2207 | 14  | 0.901945 | 1 |
| Q542H2;Q3TN31;Q Proteasome subunit alpha type;Prc     | Psm7            | 25.1601 | 26.8711 | 13 | 27.855 | 157.74 | 305 | 0.383421 | 1 |
| Q3TN35;Q8BJU0 Small glutamine-rich tetratricopept     | Sgta            | 24.2988 | 24.3125 | 10 | 34.194 | 41.766 | 135 | 0.967691 | 1 |
| Q3TNH0;Q3UR33;C Lamina-associated polypeptide 2, i    | Tmpo            | 23.2638 | 22.8815 | 11 | 46.049 | 48.674 | 45  | 0.288506 | 1 |
| Q3TPD9;Q3U2X5;C Amine oxidase [flavin-containing]     | A Maoa          | 26.0158 | 26.1619 | 16 | 58.786 | 76.365 | 181 | 0.497957 | 1 |
| Q3TPX4;Q3U8A5;E Exocyst complex component 5           | Exoc5           | 22.6131 | 23.2297 | 13 | 81.737 | 44.261 | 40  | 0.272616 | 1 |
| Q3TPZ5;Q99KJ8 Dynactin subunit 2                      | Dctn2           | 26.7928 | 26.9255 | 19 | 44.116 | 323.31 | 340 | 0.72337  | 1 |
| Q3TQK9;E9PXB7;Q E3 ubiquitin-protein ligase NEDD4-    | Nedd4l          | 22.4923 | 22.2706 | 12 | 103.61 | 10.704 | 22  | 0.62359  | 1 |
| Q3TQY2;Q8CBY8 Dynactin subunit 4                      | Dctn4           | 24.1582 | 24.1046 | 13 | 52.241 | 63.927 | 81  | 0.847395 | 1 |
| Q3TR90;Q9JMG7 Hepatoma-derived growth factor-r        | Hdgfrp3         | 22.366  | 24.0503 | 6  | 19.822 | 12.426 | 63  | 0.319463 | 1 |
| Q3TRJ1;Q9EQH3;Q Vacuolar protein sorting-associater   | Vps35           | 28.2497 | 28.4114 | 42 | 91.712 | 323.31 | 793 | 0.239827 | 1 |
| Q3TRJ7;Q62419;Q Endophilin-A2                         | Sh3gl1          | 25.2679 | 25.2609 | 18 | 41.518 | 100.54 | 89  | 0.976086 | 1 |
| Q3UZI3;Q3TW51;Q Staphylococcal nuclease domain-cc     | Snd1            | 25.3669 | 25.3051 | 25 | 102.09 | 76.707 | 122 | 0.926425 | 1 |
| Q3TS44;Q9R1P4;(Proteasome subunit alpha type;Prc      | Psm1            | 24.3596 | 26.622  | 21 | 29.546 | 110.14 | 262 | 0.373097 | 1 |
| Q3TT94;Q571J7;Q Serine/threonine-protein phosphat     | Ppp2r2a         | 26.6314 | 26.5339 | 16 | 51.691 | 270.15 | 361 | 0.588733 | 1 |
| Q3TU79;Q9QYJ3;Q DnaJ homolog subfamily B membe        | Dnajb1          | 21.599  | 22.8918 | 10 | 38.167 | 21.078 | 34  | 0.253662 | 1 |
| Q3UPK6;Q3TUX3;C Proteasome subunit alpha type;Prc     | Psm5;Gm8394     | 23.7957 | 26.0279 | 10 | 26.411 | 119.38 | 157 | 0.368742 | 1 |

|   |             |         |         |    |        |        |     |          |   |
|---|-------------|---------|---------|----|--------|--------|-----|----------|---|
| Q3TV20;Q61024;Q Asparagine synthetase [glutamine-   | Asns        | 22.6951 | 22.4692 | 8  | 64.286 | 14.699 | 45  | 0.575026 | 1 |
| Q3TVJ8;Q9D8L3;Q Translocon-associated protein sub   | Ssr4        | 22.7877 | 22.2287 | 4  | 18.936 | 10.524 | 24  | 0.608063 | 1 |
| Q8CAJ7;Q3U3I6;Q Aspartyl aminopeptidase             | Dnpep       | 24.4048 | 23.8046 | 16 | 52.206 | 87.279 | 100 | 0.536873 | 1 |
| Q3UYP2;Q3TVT6;Q Prenylcysteine oxidase              | Pcyox1      | 24.8858 | 25.0485 | 14 | 56.466 | 73.944 | 102 | 0.592774 | 1 |
| Q99JB5;Q9CPS5;Q 26S proteasome non-ATPase regul     | Psmc8       | 21.9936 | 23.7122 | 7  | 29.938 | 25.701 | 52  | 0.307346 | 1 |
| Q542K4;Q3TVZ1;Q Catalase                            | Cat         | 23.9869 | 23.8102 | 18 | 59.765 | 49.032 | 55  | 0.548757 | 1 |
| Q3TW28 Tripeptidyl-peptidase 2                      | Tpp2        | 27.2359 | 27.4705 | 43 | 138.46 | 263.6  | 312 | 0.494354 | 1 |
| Q3TW74;Q922D8;C-1-tetrahydrofolate synthase, cyto   | Mthfd1      | 24.676  | 24.5672 | 16 | 101.17 | 57.371 | 66  | 0.903031 | 1 |
| Q8BVK3;Q3TW96 UDP-N-acetylhexosamine pyropho        | Uap1l1      | 22.7576 | 23.0115 | 8  | 56.872 | 22.763 | 34  | 0.677538 | 1 |
| Q3TWG5;Q8R1Q8 Cytoplasmic dynein 1 light interme    | Dync1li1    | 26.8538 | 26.8271 | 29 | 56.614 | 256.95 | 339 | 0.880982 | 1 |
| Q3ULF7;Q3TWJ4;Q Actin-related protein 3             | Actr3       | 28.2597 | 28.2472 | 24 | 47.357 | 323.31 | 763 | 0.97557  | 1 |
| Q3TWN8;Q9Z110;C Delta-1-pyrroline-5-carboxylate syr | Aldh18a1    | 23.0298 | 23.3301 | 13 | 87.262 | 32.041 | 34  | 0.600283 | 1 |
| Q3TWW8;Q8BKL0; Serine/arginine-rich splicing factor | Srsf6;Srsf4 | 21.9066 | 21.4543 | 4  | 39.025 | 6.5092 | 17  | 0.798204 | 1 |
| Q3UA21;Q3TX70;Q Syntaxin-6                          | Stx6        | 22.0254 | 23.399  | 6  | 28.997 | 21.356 | 40  | 0.283804 | 1 |
| Q5RKP0;Q499X4;Q Synaptic vesicle membrane protei    | Vat1        | 25.755  | 25.7394 | 16 | 42.521 | 165.57 | 196 | 0.964239 | 1 |
| Q99JZ4;Q3TXJ4;P3 GTP-binding protein SAR1a          | Sar1a       | 25.471  | 23.194  | 11 | 22.399 | 30.34  | 91  | 0.316992 | 1 |
| Q3TXK6;Q9QZE7;A Translin-associated protein X       | Tsnax       | 21.8508 | 23.1391 | 7  | 32.912 | 16.811 | 34  | 0.164736 | 1 |
| Q3TXN1;Q8VDQ1 Prostaglandin reductase 2             | Ptgr2       | 23.341  | 23.524  | 6  | 34.268 | 47.973 | 46  | 0.813928 | 1 |
| Q3TXS7;Q8BU34;Q 26S proteasome non-ATPase regul     | Psmc1       | 26.6255 | 26.5758 | 26 | 105.73 | 111.71 | 211 | 0.812702 | 1 |
| Q3UXP2;Q3TXT7;Q RuvB-like 2                         | Ruvbl2      | 22.7664 | 23.0666 | 13 | 51.143 | 35.549 | 41  | 0.703654 | 1 |
| Q3TXU5 Deoxyhypusine synthase                       | Dhps        | 21.9056 | 21.7332 | 7  | 40.642 | 19.211 | 17  | 0.605671 | 1 |
| Q3TXV4;Q921E2 Ras-related protein Rab-31            | Rab31       | 22.8469 | 21.6946 | 6  | 21.462 | 10.162 | 29  | 0.156632 | 1 |
| Q7TPN5;Q3TXX8;Q Neural Wiskott-Aldrich syndrome p   | Wasl        | 24.2788 | 23.7377 | 14 | 54.258 | 77.811 | 54  | 0.365723 | 1 |
| Q3URF1;Q3TY32;Q Synaptopodin                        | Synpo       | 27.4089 | 26.8814 | 25 | 74.016 | 323.31 | 428 | 0.00212  | 1 |
| Q3TY78;Q66L47;Q Guanine nucleotide-binding protei   | Gnal        | 22.9352 | 21.869  | 8  | 44.281 | 59.172 | 19  | 0.394838 | 1 |
| Q3TYA4;Q8R3T5;B Syntaxin-binding protein 6          | Stxbp6      | 21.4874 | 20.1841 | 4  | 23.685 | 4.6599 | 7   | 0.13785  | 1 |
| Q6DFY2;Q3TYL3 Opioid-binding protein/cell adhesio   | Opcml       | 26.4117 | 26.4043 | 11 | 37.156 | 77.675 | 333 | 0.979814 | 1 |
| Q3TYX3 SET and MYND domain-containing               | Smyd5       | 21.8194 | 21.2095 | 6  | 47.095 | 12.149 | 19  | 0.377258 | 1 |
| Q3UJ89;Q3TZ45;Q Acetyl-coenzyme A synthetase;Ace    | Acss1       | 22.1543 | 21.6327 | 5  | 74.622 | 7.9089 | 15  | 0.28099  | 1 |
| Q3TZE2;Q7TQG7;Q Disintegrin and metalloproteinase   | Adam11      | 21.6986 | 21.8929 | 6  | 84.038 | 6.7182 | 8   | 0.829362 | 1 |
| Q3U0F3;Q91VK4;A Integral membrane protein 2C;CT-f   | Itm2c       | 21.2382 | 22.4452 | 5  | 30.51  | 13.801 | 28  | 0.16697  | 1 |
| Q3U0M1;E9PZ41;E Trafficking protein particle comple | Trappc9     | 22.7757 | 22.5198 | 10 | 128.23 | 18.66  | 16  | 0.137948 | 1 |
| Q3U0T9;Q6PHN9 Ras-related protein Rab-35            | Rab35       | 23.7662 | 24.5303 | 9  | 23.025 | 51.694 | 108 | 0.611327 | 1 |

|  |                                    |         |         |         |        |        |        |          |          |   |
|--|------------------------------------|---------|---------|---------|--------|--------|--------|----------|----------|---|
| Q3U0U5;Q3TC53;C Adenylyl cyclase-associated protei | Cap1                               | 28.9128 | 28.8991 | 28      | 51.574 | 323.31 | 790    | 0.95324  | 1        |   |
| Q3U0V1   | Far upstream element-binding prot  | Khsrp   | 25.3463 | 25.445  | 20     | 76.775 | 78.158 | 102      | 0.812814 | 1 |
| Q3U125;Q9CYH2;D Redox-regulatory protein FAM213/   | Fam213a                            | 24.6317 | 24.4538 | 11      | 25.682 | 15.148 | 89     | 0.30397  | 1        |   |
| Q5PPR2;Q3U1G4;C Exocyst complex component 1        | Exoc1                              | 23.4572 | 23.0015 | 11      | 100.19 | 42.455 | 35     | 0.5526   | 1        |   |
| Q3U1J4;Q91YC8                                      | DNA damage-binding protein 1       | Ddb1    | 27.6284 | 27.555  | 38     | 126.85 | 201.87 | 390      | 0.848946 | 1 |
| Q3U5I5;Q3U1Q4;Q Growth factor receptor-bound pro   | Grb2                               | 23.9344 | 25.6562 | 15      | 25.238 | 45.312 | 132    | 0.379392 | 1        |   |
| Q3U1S6;Q91W50;C Cold shock domain-containing prot  | Csde1                              | 24.3992 | 24.7785 | 19      | 88.79  | 76.161 | 87     | 0.420008 | 1        |   |
| Q3U1V3;Q99MK8;C Beta-adrenergic receptor kinase 1  | Adrbk1                             | 24.2722 | 23.9648 | 19      | 79.638 | 62.441 | 68     | 0.585533 | 1        |   |
| Q3U297;Q80ZJ6                                      | Protein zer-1 homolog              | Zer1    | 21.7597 | 21.7238 | 5      | 87.737 | 57.432 | 13       | 0.963425 | 1 |
| Q3U2G2;Q571M2;C Heat shock 70 kDa protein 4        | Hspa4                              | 29.1878 | 29.0262 | 53      | 94.208 | 323.31 | 963    | 0.654632 | 1        |   |
| Q3U2G9;Q9D997;C N-acetyl-D-glucosamine kinase      | Nagk                               | 22.5356 | 22.2271 | 8       | 37.268 | 17.034 | 41     | 0.734584 | 1        |   |
| Q3U3T6;Q3U335;C Serine/threonine-protein kinase 24 | Stk24                              | 23.3938 | 23.2319 | 12      | 47.954 | 42.451 | 49     | 0.803244 | 1        |   |
| Q3U379;Q9QZF2                                      | Glypican-1;Secreted glypican-1     | Gpc1    | 24.8172 | 24.5036 | 9      | 61.359 | 39.785 | 47       | 0.253872 | 1 |
| Q3U3H5;Q68FH4;C N-acetylgalactosamine kinase       | Galk2                              | 20.4022 | 20.4375 | 6       | 50.503 | 7.08   | 7      | 0.967019 | 1        |   |
| Q99L69;Q3U3J1;P5 2-oxoisovalerate dehydrogenase s  | Bckdha                             | 22.1224 | 22.2376 | 9       | 50.358 | 40.462 | 25     | 0.842023 | 1        |   |
| Q4FJQ6;Q3U3L3;Q Serpin B6                          | Serpinb6a;Serpi                    | 24.0883 | 24.1706 | 11      | 42.598 | 49.56  | 74     | 0.820937 | 1        |   |
| Q3U484;Q62095                                      | ATP-dependent RNA helicase DDX3    | Ddx3y   | 26.2439 | 26.1945 | 25     | 73.384 | 114.88 | 206      | 0.875287 | 1 |
| Q3U489;Q9WUR9;C Adenylate kinase 4, mitochondrial  | Ak4                                | 24.5213 | 26.2764 | 13      | 25.061 | 89.467 | 268    | 0.397437 | 1        |   |
| Q3U4H0;Q61166                                      | Microtubule-associated protein RP  | Mapre1  | 24.9151 | 25.5661 | 12     | 30.016 | 78.929 | 81       | 0.296218 | 1 |
| Q3U4W8;P56399                                      | Ubiquitin carboxyl-terminal hydrol | Usp5    | 28.5561 | 28.6508 | 37     | 93.354 | 323.31 | 785      | 0.585482 | 1 |
| Q3V1M8;Q3U4Z7;C Vigilin                            | Hdlbp                              | 24.6341 | 25.0279 | 20      | 141.74 | 43.082 | 57     | 0.270674 | 1        |   |
| Q5XJF6;Q3U561;P5 Ribosomal protein;60S ribosomal p | Rpl10a                             | 23.0865 | 25.0911 | 9       | 24.831 | 22.502 | 115    | 0.317282 | 1        |   |
| Q3U5L3;Q9CWK8;C Sorting nexin-2                    | Snx2                               | 25.1159 | 25.0569 | 19      | 58.48  | 106.17 | 122    | 0.438277 | 1        |   |
| Q3U5Q7   | UMP-CMP kinase 2, mitochondrial    | Cmpk2   | 23.2615 | 23.3934 | 15     | 50.036 | 36.619 | 58       | 0.612934 | 1 |
| Q9D066;Q924B0;Q Inositol monophosphatase 1         | Impa1                              | 24.7691 | 26.8526 | 18      | 30.395 | 104.16 | 264    | 0.32743  | 1        |   |
| Q78P93;Q3U646;Q Acid ceramidase;Acid ceramidase s  | Asah1                              | 23.5365 | 23.5268 | 15      | 44.669 | 52.573 | 130    | 0.990856 | 1        |   |
| Q6NZM8;Q3U647;C Bifunctional 3-phosphoadenosine    | Papss1                             | 22.0335 | 21.7403 | 3       | 68.494 | 15.862 | 8      | 0.365276 | 1        |   |
| Q3UCC6;Q3U6C7;C Succinyl-CoA ligase subunit beta;S | Sucla2                             | 28.0352 | 28.0058 | 30      | 50.796 | 323.31 | 677    | 0.942223 | 1        |   |
| Q3U6L3;Q9QUH0;C Glutaredoxin-1                     | Glrx                               | 21.4993 | 20.958  | 4       | 11.871 | 8.1777 | 13     | 0.597194 | 1        |   |
| Q3U6P5;Q9Z204                                      | Heterogeneous nuclear ribonucleo   | Hnrnp   | 25.8463 | 25.9061 | 13     | 36.905 | 59.786 | 163      | 0.667357 | 1 |
| Q3U6T2;Q9QWR8;C Alpha-N-acetylgalactosaminidase    | Naga                               | 21.2095 | 21.5773 | 2       | 47.25  | 5.4    | 14     | 0.610792 | 1        |   |
| Q3U6U7;Q3UDG2;C Tryptophan--tRNA ligase, cytoplas  | Wars                               | 24.4926 | 24.6717 | 25      | 53.64  | 114.15 | 183    | 0.589445 | 1        |   |
| Q3U741;Q501J6;Q Probable ATP-dependent RNA helic   | Ddx17                              | 24.4748 | 24.6383 | 24      | 72.584 | 44.454 | 73     | 0.149089 | 1        |   |

|   |        |         |         |    |        |        |      |          |   |
|---|--------|---------|---------|----|--------|--------|------|----------|---|
| Q3U7Z6;Q9DBJ1;Q Phosphoglycerate mutase 1                           | Pgam1  | 28.6653 | 30.9781 | 22 | 28.832 | 323.31 | 1491 | 0.3643   | 1 |
| Q3U878;Q3UGB5;C DAZ-associated protein 1                            | Dazap1 | 23.4059 | 23.5739 | 5  | 43.077 | 35.566 | 50   | 0.407678 | 1 |
| Q3U893;Q8C166;B Copine-1  | Cpne1  | 23.5381 | 23.645  | 9  | 58.928 | 34.688 | 39   | 0.716463 | 1 |
| Q5SWN2;Q3U8B3;I Replication protein A 70 kDa DNA-I Rpa1             |        | 21.3298 | 21.4501 | 3  | 71.413 | 2.6499 | 6    | 0.941316 | 1 |
| Q3U8R9;Q8CDN6;C Thioredoxin-like protein 1                          | Txnl1  | 24.5928 | 24.46   | 12 | 32.179 | 92.702 | 101  | 0.680975 | 1 |
| Q3U8S0;Q9DCR2 AP-3 complex subunit sigma-1                          | Ap3s1  | 22.4418 | 21.4953 | 7  | 21.732 | 20.482 | 24   | 0.454532 | 1 |
| Q8VHM5;Q3UMT8;Q3U8W9;Q99KG1;Q3UZIO;Q3UKV5 Hnrnpr                    |        | 25.533  | 25.6988 | 22 | 70.887 | 55.188 | 172  | 0.414807 | 1 |
| Q6IRT4;Q8BTW2;Q Eukaryotic translation initiation fac Eif3f         |        | 23.7911 | 24.0824 | 10 | 37.881 | 56.339 | 53   | 0.530892 | 1 |
| Q3U926;Q66GT5 Phosphatidylglycerophosphatase a Ptpmt1               |        | 22.0408 | 22.0315 | 6  | 28.692 | 9.5028 | 18   | 0.983567 | 1 |
| Q3U9A8;Q9JJU8 SH3 domain-binding glutamic acid- Sh3bgrl             |        | 22.3028 | 21.149  | 7  | 12.739 | 9.969  | 23   | 0.495463 | 1 |
| Q3U9U5;Q61335 B-cell receptor-associated protein Bcap31             |        | 22.8616 | 23.0172 | 6  | 27.986 | 8.2503 | 23   | 0.872289 | 1 |
| Q3UA17;Q791V5;A Mitochondrial carrier homolog 2 Mtch2               |        | 27.147  | 27.2033 | 13 | 33.489 | 152.5  | 326  | 0.856923 | 1 |
| Q80W39;Q3UJB0;C Splicing factor 3b, subunit 2 Sf3b2                 |        | 24.2898 | 23.9851 | 10 | 98.183 | 15.922 | 34   | 0.508034 | 1 |
| Q3UBP6;Q3UBQ4 Actin, cytoplasmic 1 Actb                             |        | 29.8559 | 29.9397 | 30 | 41.768 | 125.6  | 434  | 0.800461 | 1 |
| Q3UBU9;Q62446 Peptidyl-prolyl cis-trans isomerase; Fkbp3            |        | 23.0643 | 23.8947 | 10 | 25.147 | 31.949 | 50   | 0.452312 | 1 |
| Q3UC72;Q3UPA3;C Rab GDP dissociation inhibitor beta Gdi2            |        | 29.2492 | 29.2321 | 40 | 57.439 | 323.31 | 1552 | 0.911651 | 1 |
| Q3UCW0;Q61187;I Tumor susceptibility gene 101 prot Tsg101           |        | 21.9271 | 22.0873 | 7  | 44.123 | 13.813 | 35   | 0.846265 | 1 |
| Q8C2Q8;Q9D9D7;C ATP synthase subunit gamma;ATP Atp5c1               |        | 27.3256 | 28.9177 | 16 | 30.255 | 251.66 | 625  | 0.263849 | 1 |
| Q3UD67;Q8BGQ7;C Alanine--tRNA ligase, cytoplasmic Aars              |        | 27.4    | 27.1696 | 34 | 106.88 | 323.31 | 283  | 0.547448 | 1 |
| Q80X31;Q3UDC9;C Sodium/hydrogen exchanger;Sodiu Slc9a1              |        | 23.8556 | 23.8747 | 6  | 91.499 | 19.551 | 21   | 0.971867 | 1 |
| Q3UDE2 Tubulin--tyrosine ligase-like proteir Ttl12                  |        | 22.4874 | 22.7103 | 10 | 74.042 | 14.575 | 33   | 0.713325 | 1 |
| Q3UDH4;Q80ZX0 Sec24-related gene family, membe Sec24b               |        | 22.9884 | 22.9859 | 6  | 112.07 | 15.499 | 22   | 0.998269 | 1 |
| Q3UDQ7;Q8JZQ2;C AFG3-like protein 2 Afg3l2                          |        | 25.2851 | 25.4991 | 23 | 88.748 | 112.22 | 112  | 0.512976 | 1 |
| Q3UE37 Ubiquitin-conjugating enzyme E2 Z Ube2z                      |        | 21.9172 | 22.5748 | 7  | 38.368 | 13.545 | 21   | 0.209265 | 1 |
| Q3UKF5;Q3UE92;Q Xaa-Pro aminopeptidase 1 Xpnpep1                    |        | 24.3579 | 24.7503 | 19 | 69.59  | 51.949 | 96   | 0.392831 | 1 |
| Q3UEB3;Q0VDY2 Poly(U)-binding-splicing factor PUF Puf60             |        | 23.3367 | 23.2345 | 13 | 60.248 | 51.999 | 29   | 0.638964 | 1 |
| Q3UEM7;Q3UER8;I Fibrinogen gamma chain Fgg                          |        | 21.1447 | 21.957  | 6  | 49.391 | 11.469 | 34   | 0.224254 | 1 |
| Q3UF95;Q9Z1R2;G Large proline-rich protein BAG6 Bag6                |        | 25.428  | 25.4441 | 17 | 119.14 | 90.245 | 88   | 0.958678 | 1 |
| Q3UFY7;A0A0R4J1 7-methylguanosine phosphate-spe Nt5c3b              |        | 20.6157 | 21.6759 | 6  | 34.425 | 6.5487 | 12   | 0.224381 | 1 |
| Q3UFZ6;Q60865 Caprin-1 Caprin1                                      |        | 22.6322 | 23.4199 | 6  | 37.582 | 16.908 | 22   | 0.488204 | 1 |
| Q8BNH4;Q3UHC4;C Kinesin-like protein;Kinesin-like prc Kif3b         |        | 23.2224 | 23.386  | 13 | 85.259 | 46.594 | 38   | 0.497602 | 1 |
| Q3V331;Q3UG14;P Guanine nucleotide-binding proteir Gnb5             |        | 26.5643 | 26.6584 | 12 | 38.765 | 297.4  | 223  | 0.761439 | 1 |
| Q3UGC1;Q8C079;B Striatin-interacting protein 1;Striat Strip1;Strip2 |        | 22.0439 | 21.8679 | 3  | 95.657 | 3.488  | 14   | 0.881205 | 1 |

|                 |   |         |         |     |        |        |      |          |   |
|-----------------|---|---------|---------|-----|--------|--------|------|----------|---|
| Q3UGC8;Q91ZA3   | Propionyl-CoA carboxylase alpha cl Pcca       | 26.3183 | 26.2027 | 28  | 79.921 | 127.76 | 188  | 0.608622 | 1 |
| Q3UGK2;Q3UZ17;C | Putative RNA-binding protein Luc7- Luc7l2     | 21.9151 | 21.5521 | 7   | 45.441 | 8.1177 | 25   | 0.447312 | 1 |
| Q5SUH7;Q3UPG6;C | Clathrin interactor 1 Clint1                  | 21.5696 | 21.0823 | 4   | 67.73  | 13.11  | 13   | 0.592524 | 1 |
| Q3UGM5;Q6PEB6;I | MOB-like protein phocein Mob4                 | 22.6147 | 24.6088 | 9   | 26.002 | 55.705 | 62   | 0.339549 | 1 |
| Q3UGR5          | Haloacid dehalogenase-like hydroly Hdhhd2     | 24.2205 | 26.1935 | 10  | 28.73  | 69.925 | 225  | 0.375677 | 1 |
| Q3UGY7;Q6NS60   | F-box only protein 41 Fbxo41                  | 23.7687 | 22.6801 | 12  | 94.33  | 23.334 | 32   | 0.360904 | 1 |
| Q3UGY8          | Brefeldin A-inhibited guanine nucle Arfgef3   | 24.772  | 24.9297 | 25  | 240.09 | 42.648 | 70   | 0.559342 | 1 |
| Q3UH19          | Microtubule-associated protein Mapt           | 28.835  | 28.8574 | 20  | 44.951 | 323.31 | 767  | 0.95954  | 1 |
| Q3UH39;Q61330;C | Contactin-2 Cntn2                             | 24.1907 | 24.2219 | 11  | 113.24 | 27.527 | 44   | 0.906694 | 1 |
| Q3UH59;Q61879;C | Myosin-10 Myh10                               | 30.0994 | 30.0246 | 121 | 233.45 | 323.31 | 1613 | 0.804721 | 1 |
| Q3UH60          | Disco-interacting protein 2 homolo Dip2b      | 25.9764 | 26.0084 | 35  | 171.12 | 85.828 | 123  | 0.827891 | 1 |
| Q3UHB1;Q692V2   | 5-nucleotidase domain-containing Nt5dc3       | 24.627  | 24.8148 | 21  | 63.17  | 133.77 | 115  | 0.584409 | 1 |
| Q6NV54;Q3UHB5;C | C-Jun-amino-terminal kinase-interact Mapk8ip3 | 24.4539 | 24.3896 | 14  | 147.6  | 28.993 | 54   | 0.841181 | 1 |
| Q3UHB8          | Coiled-coil domain-containing prot Ccdc177    | 22.5447 | 22.5678 | 11  | 79.856 | 19.946 | 20   | 0.936523 | 1 |
| Q3UHD6;A0A0G2JF | Sorting nexin-27 Snx27                        | 24.2642 | 24.3137 | 17  | 60.988 | 47.305 | 83   | 0.600873 | 1 |
| Q3UHD7;Q61137;A | Astrotactin-1 Astn1                           | 24.9307 | 24.5139 | 16  | 143.95 | 69.432 | 73   | 0.457797 | 1 |
| Q3UHD9          | Arf-GAP with GTPase, ANK repeat a Agap2       | 25.1902 | 25.1344 | 22  | 124.51 | 127.01 | 98   | 0.757375 | 1 |
| Q3UHG5;Q6PDN6;I | Tetraspanin;Tetraspanin-7 Tspan7              | 26.0458 | 25.8947 | 3   | 25.412 | 44.543 | 53   | 0.82733  | 1 |
| Q3UJH0          | AP2-associated protein kinase 1 Aak1          | 28.3406 | 28.3078 | 39  | 103.35 | 323.31 | 652  | 0.94787  | 1 |
| Q8CFR5;Q3UHP1;C | Dystrobrevin;Dystrobrevin alpha Dtna          | 21.4891 | 21.7757 | 8   | 76.947 | 38.998 | 17   | 0.839582 | 1 |
| Q3UHK1;Q0VDP2;C | Proton myo-inositol cotransporter Slc2a13     | 24.348  | 24.3816 | 8   | 69.062 | 51.823 | 56   | 0.876634 | 1 |
| Q3UHK5;Q6ZQ49;C | Sodium/potassium-transporting AT Atp1a2       | 31.119  | 31.2544 | 64  | 112.22 | 323.31 | 1298 | 0.75933  | 1 |
| Q3UHK6          | Teneurin-4 Tenm4                              | 22.6311 | 22.5027 | 11  | 308.42 | 11.694 | 19   | 0.931104 | 1 |
| Q3UHL1;A0A0A6YV | CaM kinase-like vesicle-associated Camkv      | 28.6596 | 28.614  | 29  | 54.819 | 323.31 | 1034 | 0.700835 | 1 |
| Q3UHQ6;Q6PGE1   | Protein dopey-2 Dopey2                        | 22.3099 | 20.8907 | 3   | 257.48 | 2.8945 | 5    | 0.299548 | 1 |
| Q9CRS5;Q5SUT0;Q | RNA-binding protein EWS Ewsr1                 | 23.2994 | 23.1093 | 3   | 34.616 | 4.4245 | 15   | 0.616096 | 1 |
| Q3UIA5;Q9WTX6;C | Cullin-1 Cul1                                 | 22.7528 | 23.9051 | 22  | 89.676 | 88.619 | 50   | 0.423677 | 1 |
| Q3UIB5;Q99LB2;Q | Dehydrogenase/reductase SDR fam Dhrs4         | 21.732  | 22.3552 | 6   | 27.726 | 6.979  | 21   | 0.520374 | 1 |
| Q3UID0;Q6PDG5;C | SWI/SNF complex subunit SMARCC Smarcc2;Smarcc | 22.6218 | 22.2044 | 9   | 124.68 | 10.88  | 20   | 0.661455 | 1 |
| Q8C2D7;Q80WB1;C | Protein arginine N-methyltransfera Prmt1      | 24.3194 | 24.1182 | 15  | 39.562 | 44.754 | 74   | 0.527176 | 1 |
| Q3UJ95;Q80XI4   | Phosphatidylinositol 5-phosphate 4 Pip4k2b    | 25.2696 | 24.9375 | 19  | 47.318 | 288.13 | 211  | 0.630942 | 1 |
| Q3UJU9          | Regulator of microtubule dynamics Rmdn3       | 22.8326 | 22.8434 | 9   | 52.028 | 66.028 | 33   | 0.991953 | 1 |
| Q3UK85;Q9QZB9;H | Dynactin subunit 5 Dctn5                      | 21.8957 | 21.0354 | 2   | 20.216 | 4.5467 | 10   | 0.307449 | 1 |

|                   |  |         |         |    |        |        |     |          |   |
|-------------------|--|---------|---------|----|--------|--------|-----|----------|---|
| Q3UKJ7            | WD40 repeat-containing protein S1 Smu1                   | 20.9182 | 20.467  | 4  | 57.543 | 8.8836 | 16  | 0.074177 | 1 |
| Q3UL32;Q9QYI3;F7  | DnaJ homolog subfamily C member Dnajc7                   | 20.7839 | 20.9187 | 7  | 56.447 | 11.584 | 13  | 0.843361 | 1 |
| Q3ULL5;Q99L45     | Eukaryotic translation initiation factor Eif2s2          | 22.4167 | 22.5014 | 8  | 38.092 | 15.307 | 27  | 0.897755 | 1 |
| Q3UM45            | Protein phosphatase 1 regulatory subunit Ppp1r7          | 27.1105 | 27.0766 | 30 | 41.291 | 323.31 | 402 | 0.829059 | 1 |
| Q3UMG4            | Alpha-internexin Ina                                     | 23.2337 | 22.1656 | 20 | 37.277 | 22.002 | 52  | 0.472323 | 1 |
| Q3UMR5            | Calcium uniporter protein, mitochondrial Mcu             | 25.2465 | 25.5406 | 7  | 39.681 | 34.275 | 121 | 0.322894 | 1 |
| Q3UNH4            | G protein-regulated inducer of neuropilin1 Gprin1        | 27.0394 | 27.5951 | 30 | 95.495 | 234.31 | 281 | 0.116486 | 1 |
| Q3URS8;Q3UNV7;C   | Myeloid leukemia factor 2 Mlf2                           | 22.919  | 24.7531 | 6  | 28.154 | 71.734 | 67  | 0.306015 | 1 |
| Q3UNZ8;Q3UZ08;A   | Quinone oxidoreductase-like protein BC026585             | 22.2517 | 21.7747 | 5  | 37.808 | 21.728 | 28  | 0.347208 | 1 |
| Q3UPL0;S4R2A9     | Protein transport protein Sec31A Sec31a                  | 26.3765 | 26.1019 | 21 | 133.57 | 123.98 | 93  | 0.136637 | 1 |
| Q3UQM7;Q9Z127;C   | Large neutral amino acid transporter Slc7a5              | 23.7173 | 24.1215 | 4  | 55.872 | 29.555 | 23  | 0.664821 | 1 |
| Q3UQM8;Q8BMS4     | Ubiquinone biosynthesis O-methyltransferase Coq3         | 20.1341 | 20.8353 | 5  | 34.462 | 6.3994 | 10  | 0.543109 | 1 |
| Q3URG1;Q7TQD2     | Tubulin polymerization-promoting factor Tppp             | 27.9193 | 29.2619 | 13 | 23.574 | 323.31 | 424 | 0.407253 | 1 |
| Q3URM4;Q9D1Q6     | Endoplasmic reticulum resident protein Erp44             | 23.6953 | 23.8145 | 11 | 46.746 | 42.51  | 97  | 0.595396 | 1 |
| Q3URS9            | Coiled-coil domain-containing protein Ccdc51             | 20.572  | 20.8498 | 4  | 45.132 | 4.2135 | 12  | 0.102514 | 1 |
| Q4FJN9;Q3US29;Q1  | Farnesyl pyrophosphate synthase Fdps                     | 24.874  | 24.8316 | 13 | 40.581 | 129.26 | 102 | 0.868575 | 1 |
| Q3US73;Q9WVK8     | Cholesterol 24-hydroxylase Cyp46a1                       | 23.2954 | 23.3835 | 19 | 56.813 | 33.942 | 67  | 0.480566 | 1 |
| Q3USC7;Q8VE33;A   | Ganglioside-induced differentiation factor Gdap1l1       | 25.6191 | 25.6931 | 15 | 41.92  | 176.65 | 209 | 0.846158 | 1 |
| Q3USR5;Q80UW2     | F-box only protein 2 Fbxo2                               | 24.2536 | 24.2608 | 10 | 33.676 | 82.329 | 98  | 0.969462 | 1 |
| Q6ZPM1;Q3UT32;C   | Zinc finger FYVE domain-containing protein mKIAA1589;Zfy | 21.3466 | 21.7516 | 7  | 86.625 | 9.9616 | 9   | 0.332466 | 1 |
| Q3UTI7;Q9QUR7     | Peptidyl-prolyl cis-trans isomerase Pin1                 | 24.5091 | 23.2216 | 8  | 18.374 | 31.043 | 69  | 0.325111 | 1 |
| Q3UTJ2;A0A0R4J1\1 | Sorbin and SH3 domain-containing protein Sorbs2          | 25.1702 | 25.1701 | 30 | 132.35 | 89.994 | 120 | 0.999415 | 1 |
| Q8C7D7;Q3UU20;C   | Protein HID1 Hid1  | 21.4356 | 20.7064 | 2  | 27.851 | 2.4563 | 4   | 0.391182 | 1 |
| Q3UUG6;A0A0J9YL   | TBC1 domain family member 24 Tbc1d24                     | 24.9514 | 25.1723 | 18 | 63.235 | 129.56 | 169 | 0.27357  | 1 |
| Q3UUH0;Q91YI0;E   | Argininosuccinate lyase Asl                              | 23.2581 | 22.8396 | 16 | 51.769 | 70.955 | 50  | 0.11436  | 1 |
| Q3UUI3            | Acyl-coenzyme A thioesterase THE1 Them4                  | 22.8156 | 22.8773 | 6  | 26.031 | 30.535 | 83  | 0.970618 | 1 |
| Q3UUQ7            | GPI inositol-deacylase Pgap1                             | 22.0304 | 22.4305 | 4  | 104.58 | 4.2621 | 10  | 0.787769 | 1 |
| Q3UVL4            | Vacuolar protein sorting-associated protein Vps51        | 24.3333 | 24.2902 | 15 | 86.186 | 62.492 | 72  | 0.931713 | 1 |
| Q3UVW2            | Gamma-aminobutyric acid receptor Gabrg2                  | 25.4983 | 25.1511 | 9  | 51.803 | 78.394 | 65  | 0.41972  | 1 |
| Q3UW32;Q9EST5     | Acidic leucine-rich nuclear phosphoprotein Anp32b        | 20.3294 | 21.6026 | 5  | 28.285 | 7.8621 | 16  | 0.183    | 1 |
| Q3UW40;Q8BP67;C   | 60S ribosomal protein L24 Rpl24                          | 25.198  | 23.251  | 7  | 18.252 | 15.754 | 106 | 0.228326 | 1 |
| Q505N7;Q3UW66;C   | Sulfurtransferase;3-mercaptopyruvate Mpst                | 22.9012 | 24.5997 | 12 | 33.039 | 69.376 | 109 | 0.242024 | 1 |
| Q8K0I5;Q3UWQ9;C   | Hydroxymethylglutaryl-CoA synthase Hmgcs1                | 23.3816 | 23.0672 | 12 | 57.552 | 26.596 | 40  | 0.515382 | 1 |

|                 |                                       |                |         |         |    |        |        |      |          |   |
|-----------------|---------------------------------------|----------------|---------|---------|----|--------|--------|------|----------|---|
| Q3UWU7;Q5PR73   | GTP-binding protein Di-Ras2           | Diras2         | 24.2726 | 26.0119 | 12 | 22.498 | 53.035 | 202  | 0.42227  | 1 |
| Q3UXI9;Q9CXY6   | Interleukin enhancer-binding facto    | Ilf2           | 24.2885 | 24.6001 | 13 | 43.01  | 39.131 | 115  | 0.099436 | 1 |
| Q3UXZ6          | Protein FAM81A                        | Fam81a         | 23.5879 | 23.3807 | 14 | 41.709 | 27.082 | 47   | 0.4931   | 1 |
| Q8VC72;Q5M9P5;C | NADH dehydrogenase [ubiquinone        | Ndufs8         | 26.2489 | 24.341  | 9  | 24.011 | 54.356 | 162  | 0.222776 | 1 |
| Q3UY21;Q80YU5;Q | Myelin-oligodendrocyte glycoprote     | Mog            | 25.3808 | 25.5904 | 10 | 28.374 | 33.254 | 122  | 0.81206  | 1 |
| Q3UY68;Q91YS8;Q | Calcium/calmodulin-dependent pr       | Camk1          | 23.2202 | 22.9858 | 12 | 41.624 | 24.179 | 64   | 0.471164 | 1 |
| Q3UYC0          | Protein phosphatase 1H                | Ppm1h          | 25.4853 | 25.5877 | 22 | 56.379 | 129.69 | 225  | 0.678418 | 1 |
| Q3UYG8;A2AS33   | O-acetyl-ADP-ribose deacetylase       | MacroD2        | 23.7137 | 23.5843 | 5  | 52.144 | 47.734 | 19   | 0.894974 | 1 |
| Q3UYV9          | Nuclear cap-binding protein subuni    | Ncbp1          | 20.8024 | 20.3287 | 4  | 91.926 | 3.3518 | 10   | 0.439849 | 1 |
| Q3UZ58;Q61578;Q | NADPH:adrenodoxin oxidoreducta        | Fdxr           | 23.4829 | 23.7654 | 13 | 57.309 | 26.212 | 45   | 0.621851 | 1 |
| Q3UZJ4;Q61151   | Serine/threonine-protein phosphat     | Ppp2r5e        | 25.2688 | 25.282  | 19 | 50.83  | 158.5  | 130  | 0.974819 | 1 |
| Q3V028;Z4YJ5;Q8 | Ubiquitin carboxyl-terminal hydrok    | Cyld           | 24.2205 | 23.9238 | 7  | 106.62 | 13.741 | 21   | 0.709554 | 1 |
| Q6P572;Q3V030;Q | Myotubularin-related protein 2        | Mtmr2;mKIAA1   | 21.5455 | 21.3255 | 4  | 65.767 | 3.6086 | 8    | 0.752256 | 1 |
| Q3V038          | Tetratricopeptide repeat protein      | Ttc9           | 21.239  | 22.1162 | 6  | 24.35  | 5.1945 | 23   | 0.261511 | 1 |
| Q3V0K9;Q3V3X1   | Plastin-1                             | Pls1           | 21.3767 | 20.7963 | 4  | 70.407 | 3.8843 | 3    | 0.065943 | 1 |
| Q6P6P5;Q3V0N8;Q | Solute carrier family 12 member 6     | Slc12a6        | 22.3678 | 21.8324 | 11 | 122.66 | 4.6053 | 19   | 0.137062 | 1 |
| Q3V0T8;Q9WTN0;C | Geranylgeranyl pyrophosphate syn      | Ggps1          | 20.933  | 21.3404 | 5  | 34.706 | 5.7185 | 8    | 0.352967 | 1 |
| Q8BTS0;Q5U222;Q | Probable ATP-dependent RNA helic      | Ddx5           | 26.5771 | 26.8046 | 28 | 69.265 | 98.608 | 289  | 0.347542 | 1 |
| Q3V100;Q924M7;C | Mannose-6-phosphate isomerase         | Mpi            | 23.6371 | 23.6084 | 11 | 46.575 | 35.317 | 85   | 0.834924 | 1 |
| Q3V117;Q91V92;Q | ATP-citrate synthase                  | Acly           | 28.2845 | 28.4    | 50 | 120.79 | 323.31 | 638  | 0.864592 | 1 |
| Q3V156;Q91XL9;Q | Oxysterol-binding protein;Oxysterc    | Osbpl1a        | 25.2054 | 25.4609 | 19 | 63.433 | 106.48 | 205  | 0.555517 | 1 |
| Q3V1Q3;Q80TL1   | Adenylate cyclase type 2              | Adcy2          | 24.2317 | 24.2817 | 12 | 123.91 | 53.188 | 63   | 0.758025 | 1 |
| Q564E5;Q3V244;Q | Eukaryotic translation initiation fac | Eif4h;mKIAA003 | 24.0209 | 26.3811 | 10 | 27.341 | 105.46 | 112  | 0.394722 | 1 |
| Q3V386;Q8VHI6   | Wiskott-Aldrich syndrome protein      | Wasf3          | 24.6926 | 24.5813 | 10 | 55.217 | 90.213 | 80   | 0.527923 | 1 |
| Q3V3E0;Q8BUN5;E | Mothers against decapentaplegic h     | Smad3;Smad2    | 21.323  | 21.6931 | 4  | 41.931 | 4.6998 | 12   | 0.768538 | 1 |
| Q3V3R1          | Monofunctional C1-tetrahydrofolat     | Mthfd1l        | 25.8653 | 25.6168 | 27 | 105.73 | 82.764 | 102  | 0.777833 | 1 |
| Q3V3U0;Q8CI94;Q | Alpha-1,4 glucan phosphorylase;G      | Pygb           | 29.7056 | 29.8678 | 59 | 96.715 | 323.31 | 1923 | 0.310096 | 1 |
| Q45VK7          | Cytoplasmic dynein 2 heavy chain      | Dync2h1        | 23.368  | 20.8458 | 2  | 492.33 | 2.9364 | 14   | 0.101664 | 1 |
| Q497T6;Q8BXC6   | COMM domain-containing protein        | Commd2         | 20.4821 | 20.5689 | 3  | 22.848 | 3.3463 | 7    | 0.921038 | 1 |
| Q499E3;Q80ZF8;Q | Brain-specific angiogenesis inhibito  | Adgrb3;Bai3    | 22.4615 | 22.2064 | 10 | 171.25 | 24.92  | 19   | 0.875871 | 1 |
| Q4FJK0;Q9CQ62   | 2,4-dienoyl-CoA reductase, mitoch     | Decr1          | 22.2474 | 23.8323 | 9  | 36.213 | 56.95  | 75   | 0.281609 | 1 |
| Q4FJL2;Q8K0T0   | Reticulon;Reticulon-1                 | Rtn1           | 29.4509 | 29.3504 | 22 | 83.571 | 323.31 | 849  | 0.490873 | 1 |
| Q4FJR4;Q922H2;Q | [Pyruvate dehydrogenase (acetyl-t     | Pdk3           | 24.5741 | 24.8144 | 12 | 47.922 | 100    | 102  | 0.589267 | 1 |

|  |   |                |         |         |    |        |        |     |          |   |
|--|---|----------------|---------|---------|----|--------|--------|-----|----------|---|
| Q4FJT0   | Matr3 protein                           | Matr3          | 28.4856 | 28.6134 | 36 | 94.643 | 323.31 | 588 | 0.762304 | 1 |
| Q4FJU3;Q9DCT8                                      | Cysteine-rich protein 2                 | Crip2          | 25.1314 | 24.3304 | 6  | 22.727 | 32.2   | 96  | 0.409672 | 1 |
| Q4FK57;Q4FJZ3;Q8ERO1-like protein alpha            |   | Ero1l          | 22.0929 | 21.9418 | 5  | 54.084 | 7.5902 | 19  | 0.739119 | 1 |
| Q4FK22;Q69ZP5;Q9ENDoplasmic reticulum-Golgi inter  |   | Ergic1         | 22.0255 | 22.7455 | 9  | 32.562 | 16.153 | 33  | 0.319571 | 1 |
| Q4FK36;Q9R0P5                                      | Destrin                                 | Dstn           | 28.7656 | 25.8622 | 18 | 18.521 | 246.26 | 443 | 0.339052 | 1 |
| Q4FK49;Q9D819;Q9INorganic pyrophosphatase          |   | Ppa1           | 24.7635 | 26.0088 | 19 | 32.667 | 141.62 | 252 | 0.423988 | 1 |
| Q9DCZ0;Q9D0J2;Q9ATP synthase subunit delta, mitoch |   | Atp5d          | 26.0716 | 24.1155 | 2  | 17.558 | 48.351 | 40  | 0.436195 | 1 |
| Q4FZK2;Q9D8N0;Q9Elongation factor 1-gamma          |   | Eef1g          | 27.562  | 27.6544 | 25 | 50.06  | 189.24 | 453 | 0.828588 | 1 |
| Q4KL41;Q9DCC8;A9MITochondrial import receptor sub  |   | Tomm20         | 21.8938 | 22.3193 | 4  | 16.284 | 4.3876 | 15  | 0.795182 | 1 |
| Q4KL76;Q64433;Q910 kDa heat shock protein, mitoch  |   | Hspe1;Cpn10-rs | 26.1703 | 23.9608 | 11 | 10.963 | 28.919 | 157 | 0.340264 | 1 |
| Q4KMM3;E9Q0A7                                      | Oxidation resistance protein 1          | Oxr1           | 28.4873 | 28.2475 | 43 | 95.911 | 323.31 | 613 | 0.522967 | 1 |
| Q4KUS2;H3BJZ7                                      | Protein unc-13 homolog A                | Unc13a         | 25.8632 | 25.7568 | 38 | 193.78 | 115.64 | 135 | 0.55184  | 1 |
| Q4V9W8;Q91ZR1;C9Ras-related protein Rab-4B         |   | Rab4b          | 23.8872 | 23.6512 | 11 | 23.629 | 97.911 | 119 | 0.812347 | 1 |
| Q4V9Z5   | Seizure 6-like protein 2                | Sez6l2         | 24.1526 | 23.7171 | 10 | 97.503 | 21.716 | 37  | 0.66941  | 1 |
| Q4VA29;Q9CQE8                                      | UPF0568 protein C14orf166 homolog       | 2700060E02Rik  | 23.8135 | 25.0255 | 10 | 28.152 | 48.082 | 151 | 0.323747 | 1 |
| Q4VA32;Q9CQR4                                      | Acyl-coenzyme A thioesterase 13         | A9Acot13       | 26.308  | 24.2544 | 6  | 15.183 | 90.903 | 107 | 0.424597 | 1 |
| Q4VA93;P20444                                      | Protein kinase C;Protein kinase C alpha | Prkca          | 24.3363 | 24.4136 | 25 | 76.823 | 65.412 | 84  | 0.924822 | 1 |
| Q4VAE3   | Transmembrane protein 65                | Tmem65         | 25.1782 | 24.3738 | 5  | 24.918 | 20.32  | 136 | 0.25875  | 1 |
| Q4VAE6;Q9QUI0;A9Transforming protein RhoA          |   | Rhoa           | 28.7743 | 26.9265 | 13 | 21.782 | 267.65 | 579 | 0.297647 | 1 |
| Q4VAE8;Q9CQC7;C9NADH dehydrogenase [ubiquinone     |   | Ndufb4         | 27.4967 | 24.5047 | 8  | 15.315 | 84.879 | 294 | 0.402565 | 1 |
| Q4VAI2;Q9D358                                      | Low molecular weight phosphotyrosine    | Acp1           | 24.9957 | 24.2095 | 6  | 18.192 | 19.406 | 97  | 0.536353 | 1 |
| Q4VBD2   | Transmembrane anterior posterior        | Tapt1          | 21.8774 | 20.5008 | 3  | 63.893 | 5.2686 | 7   | 0.30581  | 1 |
| Q4VBX4;Q9D2M8;A9Ubiquitin-conjugating enzyme E2 v  |   | Ube2v2         | 27.1607 | 24.7143 | 10 | 16.367 | 51.163 | 187 | 0.348507 | 1 |
| Q6ZWZ7;Q6PHZ1;C960S ribosomal protein L17          |   | Rpl17          | 25.7984 | 23.6168 | 9  | 21.397 | 35.57  | 99  | 0.409804 | 1 |
| Q505D7   | Optic atrophy 3 protein homolog         | Opa3           | 23.8175 | 23.0784 | 5  | 20.11  | 8.7001 | 59  | 0.31814  | 1 |
| Q50HX4;Q50HX2;C9Ras-related protein Rab-14         |   | Rab14          | 27.1746 | 27.0146 | 18 | 23.897 | 196.07 | 481 | 0.859246 | 1 |
| Q52KP0;Q9JJI8                                      | 60S ribosomal protein L38               | Rpl38          | 22.7803 | 22.6769 | 4  | 8.2038 | 15.091 | 51  | 0.958576 | 1 |
| Q52KR3;F8QPD5                                      | Protein prune homolog 2                 | Prune2         | 22.6605 | 23.1042 | 5  | 339.51 | 5.8651 | 23  | 0.120029 | 1 |
| Q52L50;Q99JI6                                      | Ras-related protein Rap-1b              | Rap1b          | 27.0027 | 24.4146 | 11 | 20.825 | 83.011 | 327 | 0.383816 | 1 |
| Q8R2S3;Q8C550;Q9Nucleolar protein 3                |   | Nol3           | 22.1989 | 23.0766 | 8  | 24.627 | 30.491 | 37  | 0.380489 | 1 |
| Q540D7;Q9JII6;Q8ALcohol dehydrogenase [NADP(+)]    |   | Akr1a1         | 27.2234 | 27.2707 | 21 | 36.586 | 315.36 | 359 | 0.693687 | 1 |
| Q9ESR1;Q540E6;Q9GTP-binding protein Rheb           |   | Rheb           | 24.7896 | 24.3368 | 9  | 20.393 | 17.822 | 80  | 0.417875 | 1 |
| Q541Z2;Q61239                                      | Protein farnesyltransferase/geranyl     | Fnta           | 22.4861 | 21.9695 | 7  | 44.013 | 28.337 | 35  | 0.70528  | 1 |

|                 |                                      |               |         |         |    |        |        |      |          |   |
|-----------------|--------------------------------------|---------------|---------|---------|----|--------|--------|------|----------|---|
| Q542D9;Q62351   | Transferrin receptor protein 1       | Tfrc          | 21.3565 | 21.5891 | 7  | 85.73  | 8.4086 | 19   | 0.369384 | 1 |
| Q8BSZ8;Q543H0;Q | Spermidine synthase                  | Srm           | 22.485  | 24.178  | 14 | 34.019 | 32.438 | 118  | 0.285039 | 1 |
| Q8BTJ1;Q543K5;Q | Phosphoserine aminotransferase       | Psat1         | 26.5913 | 26.5364 | 18 | 40.473 | 94.603 | 353  | 0.636114 | 1 |
| Q543N3;Q61792;A | LIM and SH3 domain protein 1         | Lasp1         | 25.6428 | 25.5479 | 16 | 29.994 | 136.56 | 145  | 0.863455 | 1 |
| Q543N5;Q9QYB1   | Chloride intracellular channel prote | Clic4         | 22.2225 | 23.6229 | 9  | 28.729 | 23.004 | 32   | 0.334238 | 1 |
| Q543P6;Q8VHQ9;C | Acyl-coenzyme A thioesterase 11      | Acot11        | 22.8809 | 22.7498 | 6  | 67.354 | 9.4736 | 23   | 0.693649 | 1 |
| Q543P7;Q9WUL7   | ADP-ribosylation factor-like protei  | Arl3          | 24.8184 | 23.4605 | 9  | 20.486 | 42.31  | 88   | 0.374473 | 1 |
| Q543Y7;Q61644;Q | Protein kinase C and casein kinase   | Pacsin1       | 29.0724 | 29.0899 | 31 | 50.575 | 323.31 | 869  | 0.958933 | 1 |
| Q544F6;Q9CQI6   | Coactosin-like protein               | Cot11         | 26.6133 | 24.5031 | 12 | 15.944 | 92.458 | 269  | 0.405978 | 1 |
| Q8CBE6;Q8BPJ7;Q | Dystroglycan;Alpha-dystroglycan;B    | Dag1          | 21.4741 | 22.4088 | 6  | 96.886 | 10.606 | 17   | 0.459727 | 1 |
| Q544I1;Q9QYF9;Q | Protein NDRG3                        | Ndr3          | 25.61   | 25.6161 | 13 | 41.555 | 150.22 | 194  | 0.947067 | 1 |
| Q544M1;Q8K356;C | Lymphocyte antigen 6H                | Ly6h          | 26.3841 | 24.0057 | 5  | 14.669 | 38.851 | 50   | 0.21535  | 1 |
| Q8BUM1;Q544R5;C | TAR DNA-binding protein 43           | Tardbp        | 25.2916 | 25.5478 | 14 | 33.634 | 173.43 | 175  | 0.426216 | 1 |
| Q545E6;Q62348   | Translin                             | Tsn           | 23.0702 | 24.3754 | 11 | 26.201 | 20.226 | 74   | 0.450345 | 1 |
| Q545G0;Q9R1P1   | Proteasome subunit beta type;Pro     | Psm3          | 24.3726 | 23.7394 | 11 | 22.965 | 53.565 | 151  | 0.802275 | 1 |
| Q545Q2;Q64310;E | Surfeit locus protein 4              | Surf4         | 21.6122 | 20.7863 | 4  | 30.381 | 7.8747 | 13   | 0.510183 | 1 |
| Q548F2;Q69ZN0;Q | Guanine deaminase                    | Gda           | 28.7776 | 29.0499 | 33 | 51.012 | 323.31 | 1042 | 0.331954 | 1 |
| Q549X4;Q99P58;Q | Ras-related protein Rab-27B          | Rab27b        | 21.492  | 22.4177 | 7  | 24.56  | 12.743 | 24   | 0.455786 | 1 |
| Q54A87;Q9WTT4;E | V-type proton ATPase subunit G 2     | Atp6v1g2      | 26.9909 | 24.4798 | 11 | 13.651 | 323.31 | 227  | 0.348504 | 1 |
| Q8BMQ1;Q54AE3;C | Guanine nucleotide-binding protei    | Gnb3          | 22.5368 | 23.568  | 4  | 32.401 | 7.5604 | 27   | 0.368012 | 1 |
| Q564E8;Q9D8E6;Q | 60S ribosomal protein L4             | Rpl4          | 26.2015 | 26.1941 | 20 | 47.153 | 126.55 | 273  | 0.983242 | 1 |
| Q564F2;Q64520;E | Guanylate kinase                     | Guk1          | 23.0133 | 22.4664 | 11 | 21.918 | 25.504 | 66   | 0.780629 | 1 |
| Q8BZN7;Q569Z6;Q | Thyroid hormone receptor-associat    | Thrap3        | 23.4126 | 21.9213 | 8  | 80.11  | 13.004 | 17   | 0.252509 | 1 |
| Q571A2;Q9D4H8;E | Cullin-2                             | Cul2          | 23.5838 | 23.8904 | 24 | 87.181 | 45.894 | 54   | 0.313805 | 1 |
| Q58E70;D3Z2H9;Q | 3TJ53;Q8K0Z5;E9Q5J9                  | Tpm3;Tpm3-rs7 | 26.1594 | 28.2279 | 29 | 29.02  | 292.43 | 469  | 0.361044 | 1 |
| Q59J78;Q3TLI6   | Mimitin, mitochondrial               | Ndufaf2       | 24.793  | 23.2904 | 7  | 19.628 | 14.836 | 36   | 0.322894 | 1 |
| Q5BKQ9;Q8BG32;C | 26S proteasome non-ATPase reguli     | Psm11         | 25.2847 | 25.5632 | 25 | 47.436 | 74.977 | 183  | 0.377274 | 1 |
| Q5DQR4          | Syntaxin-binding protein 5-like      | Stxbp5l       | 25.9909 | 26.0255 | 21 | 131.84 | 50.38  | 89   | 0.947393 | 1 |
| Q5DTY9          | BTB/POZ domain-containing protei     | Kctd16        | 24.9585 | 24.5226 | 17 | 48.972 | 48.782 | 141  | 0.195255 | 1 |
| Q5EBJ4          | Ermin                                | Ermn          | 21.7225 | 21.2885 | 3  | 32.148 | 5.1647 | 12   | 0.566315 | 1 |
| Q5EBP9;Q62318;Q | Transcription intermediary factor 1  | Trim28        | 24.7259 | 24.7478 | 18 | 88.846 | 64.764 | 92   | 0.872595 | 1 |
| Q5EBQ0;Q3TX38;Q | Voltage-dependent anion-selective    | Vdac3         | 27.2295 | 28.0569 | 14 | 30.884 | 234.91 | 529  | 0.120358 | 1 |
| Q5F258;Q68FF6   | ARF GTPase-activating protein GIT1   | Git1          | 26.1312 | 26.201  | 30 | 84.194 | 115.33 | 176  | 0.831985 | 1 |

|                  |   |                |         |         |     |        |        |      |          |   |
|------------------|---|----------------|---------|---------|-----|--------|--------|------|----------|---|
| Q5F285;F6YWB5    | Transmembrane protein 256               | Tmem256        | 22.0479 | 22.2986 | 2   | 11.655 | 18.004 | 10   | 0.863865 | 1 |
| Q5FWJ5;Q3TUA1;P  | Heterogeneous nuclear ribonucleo        | Hnrnpk         | 28.5167 | 28.6138 | 26  | 51.028 | 323.31 | 789  | 0.263697 | 1 |
| Q5FWK3;Q8BQW4;   | Rho GTPase-activating protein 1         | Arhgap1        | 26.7475 | 26.6952 | 23  | 50.41  | 323.31 | 370  | 0.796153 | 1 |
| Q5GH67;Q5DTU2    | XK-related protein 4                    | Xkr4           | 23.4582 | 22.6002 | 5   | 71.502 | 18.708 | 17   | 0.396659 | 1 |
| Q5H8C4           | Vacuolar protein sorting-associate      | Vps13a         | 25.7432 | 25.6065 | 29  | 359.4  | 79.892 | 98   | 0.284321 | 1 |
| Q5HZI2           | C2 calcium-dependent domain-con         | C2cd4cC2CD4 f  | 22.0005 | 22.0867 | 6   | 44.614 | 12.422 | 13   | 0.910724 | 1 |
| Q5HZY7;Q9CR51;Q  | V-type proton ATPase subunit G 1        | Atp6v1g1       | 22.363  | 20.883  | 5   | 13.724 | 25.056 | 21   | 0.305915 | 1 |
| Q5I0W0;Q9CQQ7;   | (ATP synthase F(0) complex subunit      | Atp5f1         | 28.8674 | 29.2759 | 17  | 28.948 | 137.74 | 489  | 0.731421 | 1 |
| Q5ICG5;Q8R1X1;Q8 | BYJ0;E9Q7Y2                             | Acs16          | 26.8911 | 26.8928 | 33  | 77.969 | 167.87 | 325  | 0.994511 | 1 |
| Q5J7N1;Q3U2W7;   | (GTPase KRas;GTPase KRas, N-termi       | Kras;Hras      | 25.3298 | 23.7529 | 9   | 21.482 | 15.4   | 85   | 0.298324 | 1 |
| Q5J8K6;Q5J8K8;Q6 | ERC protein 2                           | Erc2           | 25.7636 | 25.7941 | 28  | 110.64 | 65.897 | 109  | 0.926756 | 1 |
| Q5M8N0;Q9CW19;   | CB1 cannabinoid receptor-interacti      | Cnrip1         | 28      | 25.3597 | 8   | 18.612 | 111.29 | 238  | 0.34016  | 1 |
| Q5M8N4           | Epimerase family protein SDR39U1        | Sdr39u1        | 21.2043 | 22.2748 | 5   | 32.994 | 9.2081 | 31   | 0.272448 | 1 |
| Q5M9J2;Q9D0S9    | Histidine triad nucleotide-binding      | Hint2          | 23.1504 | 23.2594 | 5   | 17.32  | 20.414 | 59   | 0.920568 | 1 |
| Q8BTX5;Q5M9L0;   | C Eukaryotic translation initiation fac | Eif3h          | 24.0883 | 24.1056 | 11  | 39.846 | 27.371 | 44   | 0.927009 | 1 |
| Q5M9P3;Q9CZX8;   | L 40S ribosomal protein S19             | Rps19          | 26.4856 | 24.9021 | 12  | 16.661 | 66.463 | 235  | 0.488065 | 1 |
| Q5NCJ9;Q8R1I1    | Cytochrome b-c1 complex subunit         | Uqcr10         | 24.5074 | 23.5833 | 3   | 7.4454 | 12.352 | 64   | 0.52945  | 1 |
| Q5ND51;Q64010;   | C Adapter molecule crk                  | Crk            | 24.3314 | 24.2568 | 10  | 33.814 | 48.21  | 88   | 0.371617 | 1 |
| Q5RJI5;D3Z5P0    | Serine/threonine-protein kinase BF      | Brsk1          | 23.4267 | 23.5886 | 13  | 85.154 | 22.777 | 38   | 0.506696 | 1 |
| Q5RJV4;Q7TNU0;Q  | Phosphoglucomutase-1                    | Pgm2;Pgm1      | 27.7567 | 27.7503 | 35  | 61.383 | 323.31 | 373  | 0.985774 | 1 |
| Q5RKP4;Q8BMR3;   | (Dolichyl-diphosphooligosaccharide      | Rpn1           | 25.9588 | 25.9972 | 18  | 68.396 | 80.002 | 199  | 0.781032 | 1 |
| Q5U438;Q5SQB7;   | C Nucleophosmin                         | Npm1;Gm5611    | 25.3636 | 24.4749 | 11  | 32.588 | 63.645 | 130  | 0.263939 | 1 |
| Q5SQX6;F6QD74    | Cytoplasmic FMR1-interacting prot       | Cyfp2          | 29.3797 | 29.3831 | 64  | 145.66 | 323.31 | 1112 | 0.960317 | 1 |
| Q5SRA0;Q9R1V7    | Disintegrin and metalloproteinase       | Adam23         | 24.5082 | 24.6303 | 12  | 93.042 | 63.361 | 77   | 0.789657 | 1 |
| Q5SRX1;Q5SXA5;Q  | TOM1-like protein 2                     | Tom1l2         | 26.3288 | 26.3024 | 21  | 55.662 | 268.58 | 292  | 0.88094  | 1 |
| Q5SSM3;F6T1Y2    | Rho GTPase-activating protein 44        | Arhgap44       | 24.4217 | 24.3394 | 14  | 88.993 | 46.46  | 47   | 0.809515 | 1 |
| Q5SUR0;Q3UTT7    | Phosphoribosylformylglycinamidi         | Pfas           | 25.6411 | 25.5583 | 22  | 144.63 | 55.389 | 111  | 0.617962 | 1 |
| Q5SUR3;Q9WTX5;   | (S-phase kinase-associated protein      | Skp1a;Skp1     | 25.8305 | 23.7442 | 9   | 18.672 | 22.142 | 122  | 0.306377 | 1 |
| Q5SWR1;Q9DBG3;   | IAP complex subunit beta;AP-2 com       | Ap2b1          | 31.1559 | 31.0271 | 70  | 105.72 | 323.31 | 2568 | 0.447024 | 1 |
| Q5SWU9           | Acetyl-CoA carboxylase 1;Biotin car     | Acaca          | 24.6864 | 24.6357 | 22  | 265.25 | 23.137 | 59   | 0.923883 | 1 |
| Q8BK37;Q5SWZ0;   | C Phosphoribosyl pyrophosphate syn      | Prpsap2        | 24.1021 | 24.2042 | 12  | 40.92  | 61.895 | 110  | 0.721162 | 1 |
| Q5SX53;Q9CR62;Q  | Mitochondrial 2-oxoglutarate/mal        | Slc25a11       | 27.7131 | 27.9198 | 18  | 34.155 | 224.61 | 707  | 0.540615 | 1 |
| Q5SXR6;Q68FD5;Q  | Clathrin heavy chain;Clathrin heavy     | Cltc;mKIAA0034 | 33.7913 | 33.7383 | 122 | 191.98 | 323.31 | 8381 | 0.288429 | 1 |

|                 |                                      |                |         |         |    |        |        |      |          |   |
|-----------------|--------------------------------------|----------------|---------|---------|----|--------|--------|------|----------|---|
| Q5U3K5          | Rab-like protein 6                   | Rabl6          | 21.6362 | 20.5736 | 8  | 79.83  | 12.057 | 16   | 0.142641 | 1 |
| Q5U458;E9Q8B3   | DnaJ homolog subfamily C membe       | Dnajc11        | 24.2211 | 24.2461 | 10 | 63.232 | 34.725 | 48   | 0.900544 | 1 |
| Q5XG69          | Soluble lamin-associated protein o   | Fam169a        | 22.7101 | 23.3278 | 6  | 73.239 | 21.716 | 17   | 0.545507 | 1 |
| Q5XJY5;Q3U4S9;Q | Coatomer subunit delta               | Arcn1          | 23.9946 | 23.655  | 17 | 57.229 | 41.402 | 60   | 0.390763 | 1 |
| Q5XK33;Q9CZB0;F | Succinate dehydrogenase cytochro     | Sdhc           | 26.0698 | 25.8109 | 6  | 18.381 | 22.872 | 125  | 0.782971 | 1 |
| Q60597;Z4YJV4   | 2-oxoglutarate dehydrogenase, mii    | Ogdh           | 29.3416 | 29.3972 | 55 | 116.45 | 323.31 | 1107 | 0.843813 | 1 |
| Q921L6;Q8BNA5;Q | Src substrate cortactin              | Cttn           | 26.901  | 26.7145 | 21 | 57.086 | 113.17 | 184  | 0.52919  | 1 |
| Q642K0;Q60605;Q | Myosin light polypeptide 6           | Myl6           | 25.8588 | 24.9157 | 8  | 16.961 | 50.306 | 157  | 0.662072 | 1 |
| Q60625          | Intercellular adhesion molecule 5    | Icam5          | 27.7115 | 27.3709 | 20 | 96.944 | 162.93 | 382  | 0.230859 | 1 |
| Q9DC36;Q8CDE0;C | Flotillin-2                          | Flot2          | 26.0474 | 25.9746 | 20 | 47.008 | 94.498 | 276  | 0.782402 | 1 |
| Q60668;F6ZV59;G | Heterogeneous nuclear ribonucleo     | Hnrnpd         | 26.485  | 26.6579 | 16 | 38.354 | 96.936 | 313  | 0.487903 | 1 |
| Q60676;F7BX26   | Serine/threonine-protein phosphat    | Ppp5c          | 25.4485 | 25.5225 | 23 | 56.876 | 100.6  | 191  | 0.769974 | 1 |
| Q60692          | Proteasome subunit beta type-6       | Psm6           | 26.685  | 23.9456 | 10 | 25.378 | 110.63 | 111  | 0.234108 | 1 |
| Q61177;Q60737;Q | Casein kinase II subunit alpha       | Csnk2a1        | 26.0839 | 26.1411 | 19 | 45.179 | 174.51 | 221  | 0.768657 | 1 |
| Q60749          | KH domain-containing, RNA-bindin     | Khdrbs1        | 23.7829 | 23.8078 | 6  | 48.37  | 27.822 | 45   | 0.935953 | 1 |
| Q60770;A2AEC9;A | Syntaxin-binding protein 3           | Stxbp3;Stxbp3a | 20.9202 | 20.7198 | 2  | 67.942 | 2.6194 | 6    | 0.232713 | 1 |
| Q60771          | Claudin-11                           | Cldn11         | 26.3264 | 26.7744 | 3  | 22.114 | 13.875 | 64   | 0.770273 | 1 |
| Q60902;A0A1D5RL | Epidermal growth factor receptor s   | Eps15l1        | 24.8604 | 25.0367 | 24 | 99.307 | 68.759 | 136  | 0.472927 | 1 |
| Q60932          | Voltage-dependent anion-selective    | Vdac1          | 22.6337 | 25.2219 | 22 | 32.351 | 4.0241 | 96   | 0.311806 | 1 |
| Q60960          | Importin subunit alpha-5;Importin    | Kpna1          | 23.9857 | 24.3434 | 13 | 60.182 | 77.629 | 69   | 0.323671 | 1 |
| Q60972          | Histone-binding protein RBBP4        | Rbbp4          | 23.2321 | 23.69   | 12 | 47.655 | 51.904 | 74   | 0.331777 | 1 |
| Q60I30;Q9D892;Q | Inosine triphosphate pyrophosphat    | Itpa           | 24.8979 | 23.5752 | 10 | 21.897 | 39.316 | 138  | 0.449127 | 1 |
| Q61001;Q6ZQA1   | Laminin subunit alpha-5              | Lama5;mKIAA0!  | 24.0901 | 23.8277 | 20 | 404.05 | 137.24 | 43   | 0.59259  | 1 |
| Q61081          | Hsp90 co-chaperone Cdc37;Hsp90       | Cdc37          | 24.3343 | 24.6562 | 15 | 44.593 | 81.512 | 104  | 0.366581 | 1 |
| Q61102          | ATP-binding cassette sub-family B    | Abcb7          | 24.2361 | 23.9028 | 8  | 82.58  | 34.083 | 29   | 0.589664 | 1 |
| Q61120          | SHC-transforming protein 3           | Shc3           | 21.238  | 20.5764 | 3  | 52.12  | 6.5183 | 8    | 0.573836 | 1 |
| Q61171;Q5M9N9;I | Peroxiredoxin-2                      | Prdx2          | 29.5653 | 27.046  | 14 | 21.778 | 170.94 | 924  | 0.347136 | 1 |
| Q61206;Q8BTA2   | Platelet-activating factor acetylhyd | Pafah1b2       | 23.6671 | 25.8167 | 10 | 25.581 | 125.27 | 203  | 0.32336  | 1 |
| Q61292;Q3USI2   | Laminin subunit beta-2               | Lamb2          | 25.8781 | 25.9519 | 38 | 196.58 | 201.31 | 155  | 0.925876 | 1 |
| Q61361          | Brevican core protein                | Bcan           | 22.4579 | 23.4073 | 9  | 95.814 | 5.4779 | 13   | 0.314535 | 1 |
| Q61411;Q9R0B8;P | GTPase HRas;GTPase HRas, N-term      | Hras           | 27.2274 | 24.7674 | 12 | 21.298 | 81.801 | 302  | 0.343044 | 1 |
| Q61423          | Potassium voltage-gated channel s    | Kcna4          | 22.2385 | 22.0905 | 5  | 73.469 | 5.3924 | 11   | 0.637863 | 1 |
| Q61425          | Hydroxyacyl-coenzyme A dehydrog      | Hadh           | 24.4077 | 25.6336 | 14 | 34.463 | 323.31 | 166  | 0.400686 | 1 |

|  |  |         |         |     |        |        |      |          |   |
|--|--|---------|---------|-----|--------|--------|------|----------|---|
| Q8BRR9;Q61481;Ff Calcium/calmodulin-dependent 3,5 Pde1a          |  | 25.6839 | 25.5397 | 25  | 62.346 | 148.65 | 220  | 0.531979 | 1 |
| Q61548;Q3UI39;E9 Clathrin coat assembly protein AP1 Snap91       |  | 30.7392 | 30.5378 | 27  | 91.85  | 323.31 | 1495 | 0.323253 | 1 |
| Q61553;A0A0G2JD Fascin   | Fscn1  | 28.8544 | 28.9082 | 30  | 54.507 | 323.31 | 835  | 0.767843 | 1 |
| Q61599   | Rho GDP-dissociation inhibitor 2 Arhgdib         | 20.5326 | 22.0764 | 3   | 22.851 | 3.8841 | 3    | 0.23231  | 1 |
| Q61627   | Glutamate receptor ionotropic, del Grid1         | 21.5451 | 21.7216 | 4   | 112.21 | 9.5904 | 9    | 0.861146 | 1 |
| Q61649   | Alpha-globin mRNA                                | 24.8759 | 24.7998 | 5   | 6.2159 | 4.6059 | 62   | 0.981545 | 1 |
| Q61655;Q8R3C7;Q ATP-dependent RNA helicase DDX1 Ddx19a;Ddx19b    |  | 21.0102 | 21.4709 | 7   | 53.932 | 10.684 | 18   | 0.360426 | 1 |
| Q61699;E9Q0U7  | Heat shock protein 105 kDa Hsph1                 | 28.2124 | 28.2125 | 41  | 96.406 | 323.31 | 665  | 0.999756 | 1 |
| Q61753   | D-3-phosphoglycerate dehydrogen Phgdh            | 26.5247 | 26.4242 | 19  | 56.585 | 131.01 | 287  | 0.824052 | 1 |
| Q61768;E9QAK5  | Kinesin-1 heavy chain;Kinesin-like $\zeta$ Kif5b | 25.02   | 24.8173 | 29  | 109.55 | 116.52 | 62   | 0.59553  | 1 |
| Q61838   | Alpha-2-macroglobulin;Alpha-2-mac A2m            | 25.9958 | 26.6504 | 43  | 165.85 | 144.85 | 164  | 0.303328 | 1 |
| Q922E1;Q8C1W8;C NAD(P) transhydrogenase, mitochondc Nnt          |  | 26.6239 | 26.6642 | 26  | 113.88 | 77.935 | 164  | 0.941381 | 1 |
| Q61990   | Poly(rC)-binding protein 2 Pcbp2                 | 26.0066 | 25.937  | 14  | 38.221 | 93.45  | 257  | 0.783539 | 1 |
| Q62048;D3Z375  | Astrocytic phosphoprotein PEA-15 Pea15;Pea15a    | 26.0426 | 24.7741 | 8   | 15.054 | 101.57 | 257  | 0.646436 | 1 |
| Q8C671;Q62093  | Serine/arginine-rich splicing factor Srsf2       | 23.1571 | 25.0863 | 6   | 29     | 101.69 | 75   | 0.340594 | 1 |
| Q62108   | Disks large homolog 4 Dlg4                       | 29.0472 | 29.0289 | 36  | 80.471 | 323.31 | 820  | 0.940238 | 1 |
| Q62189;D3Z0S6;Q U1 small nuclear ribonucleoprotein Snrpa         |  | 22.1127 | 23.5186 | 9   | 31.835 | 32.005 | 42   | 0.248032 | 1 |
| Q62261;A0A0A0M Spectrin beta chain, non-erythrocy Sptbn1         |  | 32.459  | 32.423  | 180 | 274.22 | 323.31 | 5793 | 0.905075 | 1 |
| Q62277;A4FUR8;Ff Synaptophysin                                   | Syp  | 29.7407 | 29.6581 | 7   | 34.024 | 138.6  | 516  | 0.770128 | 1 |
| Q7TS70;Q62415;Q Apoptosis-stimulating of p53 prote Ppp1r13b;Trp5 |  | 21.6825 | 20.7724 | 2   | 104.45 | 1.9079 | 7    | 0.059443 | 1 |
| Q62417;E9QNA7;E Sorbin and SH3 domain-containing Sorbs1          |  | 22.322  | 22.05   | 6   | 143.07 | 10.941 | 12   | 0.46178  | 1 |
| Q62418   | Drebrin-like protein Dbnl                        | 25.4884 | 25.1591 | 19  | 48.699 | 189.56 | 177  | 0.152167 | 1 |
| Q62420;A2ALV3;Q Endophilin-A1                                    | Sh3gl2   | 29.2547 | 29.1526 | 23  | 39.955 | 323.31 | 985  | 0.339989 | 1 |
| Q62425;A0A0N4SV Cytochrome c oxidase subunit NDL Ndufa4          |  | 28.1389 | 27.7479 | 7   | 9.3267 | 51.488 | 247  | 0.658305 | 1 |
| Q62426   | Cystatin-B Cstb                                  | 23.1426 | 22.8693 | 3   | 11.045 | 6.5871 | 23   | 0.842488 | 1 |
| Q63810   | Calcineurin subunit B type 1 Ppp3r1              | 25.8686 | 24.9071 | 11  | 19.3   | 65.387 | 127  | 0.585032 | 1 |
| Q63844;A0A0U1RP Mitogen-activated protein kinase 3 Mapk3         |  | 25.8034 | 25.7696 | 22  | 43.066 | 211.08 | 166  | 0.931656 | 1 |
| Q91YS7;Q63932;Q Dual specificity mitogen-activated   Map2k2      |  | 22.9085 | 23.2429 | 13  | 44.302 | 29.803 | 35   | 0.774115 | 1 |
| Q641P0   | Actin-related protein 3B Actr3b                  | 25.5924 | 25.6867 | 22  | 47.579 | 153.15 | 236  | 0.795235 | 1 |
| Q64332;Q8CE19  | Synapsin-2 Syn2                                  | 30.2668 | 30.5567 | 28  | 63.372 | 323.31 | 2342 | 0.436735 | 1 |
| Q64337;D3YZJ1  | Sequestosome-1 Sqstm1                            | 22.7077 | 22.7975 | 7   | 48.162 | 40.57  | 63   | 0.884845 | 1 |
| Q64442   | Sorbitol dehydrogenase Sord                      | 22.863  | 24.0478 | 8   | 38.249 | 25.505 | 41   | 0.418942 | 1 |
| Q64521;A2AQR0  | Glycerol-3-phosphate dehydrogen Gpd2             | 28.6098 | 28.7289 | 48  | 80.953 | 323.31 | 932  | 0.597463 | 1 |

|                 |                                      |                 |         |         |     |        |        |      |          |   |
|-----------------|--------------------------------------|-----------------|---------|---------|-----|--------|--------|------|----------|---|
| Q9D2U9;Q8CGP0;C | Histone H2B type 3-A;Histone H2B     | Hist3h2ba;Hist3 | 23.8575 | 22.4507 | 7   | 13.994 | 3.5258 | 40   | 0.435416 | 1 |
| Q64727          | Vinculin                             | Vcl             | 26.541  | 26.4254 | 33  | 116.72 | 159.26 | 175  | 0.763887 | 1 |
| Q64737;Q3UJP8;Q | Trifunctional purine biosynthetic pi | Gart            | 23.7746 | 23.5902 | 13  | 107.5  | 49.257 | 51   | 0.754365 | 1 |
| Q66JR8          | Ptms protein                         | Ptms            | 25.5324 | 22.7698 | 6   | 23.158 | 5.5459 | 18   | 0.160059 | 1 |
| Q68FG2;Q3UGZ4   | Spectrin beta chain                  | Sptbn2          | 31.0688 | 30.9857 | 146 | 270.92 | 323.31 | 3081 | 0.677374 | 1 |
| Q68FM6          | Protein phosphatase 1 regulatory s   | Elfn2           | 24.6341 | 24.7952 | 11  | 90.028 | 29.395 | 45   | 0.250732 | 1 |
| Q69ZI9;Q8R307;Q | Vacuolar protein sorting-associated  | Vps18           | 22.7176 | 22.0372 | 6   | 90.125 | 11.519 | 12   | 0.50543  | 1 |
| Q69ZK9          | Neuroigin-2                          | Nlgn2           | 24.5939 | 24.3547 | 12  | 90.988 | 32.877 | 43   | 0.369248 | 1 |
| Q69ZW3          | EH domain-binding protein 1          | Ehbp1           | 21.3345 | 20.5894 | 4   | 139.1  | 4.122  | 7    | 0.430473 | 1 |
| Q69ZX3;E9QPE7;O | Myosin-11                            | Myh11           | 26.8909 | 27.089  | 91  | 228.27 | 323.31 | 360  | 0.538413 | 1 |
| Q69ZY2;Q8C522;Q | Endonuclease domain-containing 1     | Endod1          | 25.5269 | 25.8959 | 13  | 64.639 | 70.415 | 103  | 0.374751 | 1 |
| Q6A087          | MKIAA0302 protein                    | Sptbn2          | 26.1718 | 26.0239 | 126 | 222.92 | 45.424 | 53   | 0.688136 | 1 |
| Q6A0A9          | Constitutive coactivator of PPAR-g   | FAM120A         | 23.1775 | 23.3453 | 12  | 121.64 | 17.108 | 21   | 0.726101 | 1 |
| Q6A0D1;Q9CRD2   | ER membrane protein complex sub      | Emc2            | 20.9593 | 21.2519 | 4   | 34.934 | 9.1586 | 7    | 0.61896  | 1 |
| Q6DFY8          | BMP/retinoic acid-inducible neural   | Brinp2          | 21.012  | 21.8771 | 4   | 89.227 | 8.9031 | 14   | 0.35044  | 1 |
| Q6DI95;Q6P2B1;Q | Transportin-3                        | Tnpo3           | 24.0671 | 24.1747 | 12  | 104.2  | 43.927 | 53   | 0.865708 | 1 |
| Q6GQS1;F6X0P2   | Calcium-binding mitochondrial carri  | Slc25a23        | 22.819  | 22.57   | 11  | 52.496 | 23.31  | 37   | 0.79557  | 1 |
| Q6GQT9          | Nodal modulator 1                    | Nomo1           | 24.8473 | 24.8339 | 15  | 133.42 | 82.985 | 49   | 0.959024 | 1 |
| Q6GR78;Q53ZT3;P | Amyloid beta A4 protein;N-APP;Sol    | App             | 27.1851 | 27.2766 | 21  | 78.442 | 151.01 | 214  | 0.822089 | 1 |
| Q6GT24;Q6A0D0;D | Peroxiredoxin-6                      | Prdx6           | 26.3747 | 29.1829 | 21  | 24.826 | 323.31 | 835  | 0.368922 | 1 |
| Q6I6G8          | E3 ubiquitin-protein ligase HECW2    | Hecw2           | 21.8467 | 21.0812 | 7   | 176.23 | 6.7325 | 10   | 0.369998 | 1 |
| Q6IRU2          | Tropomyosin alpha-4 chain            | Tpm4            | 21.5649 | 21.7565 | 8   | 28.467 | 24.796 | 20   | 0.509069 | 1 |
| Q6IRU5;F7BHJ0   | Clathrin light chain B               | Cltb            | 23.9488 | 26.4525 | 11  | 25.171 | 89.528 | 163  | 0.265568 | 1 |
| Q8K0E2;Q8BIT7;Q | Exocyst complex component 3          | Exoc3           | 22.7398 | 22.3404 | 12  | 86.454 | 32.113 | 38   | 0.715639 | 1 |
| Q6NS52          | Diacylglycerol kinase beta           | Dgkb            | 23.4222 | 23.1597 | 9   | 90.271 | 29.921 | 38   | 0.303517 | 1 |
| Q6NS82;A0A087W  | Protein FAM134A                      | Fam134a         | 21.8193 | 21.6461 | 3   | 57.541 | 4.0093 | 19   | 0.717844 | 1 |
| Q6NVE8          | WD repeat-containing protein 44      | Wdr44           | 24.0567 | 23.7732 | 10  | 101.55 | 34.373 | 33   | 0.450982 | 1 |
| Q6NVF0;Q8BXT3   | Inositol polyphosphate 5-phosphat    | Ocrl            | 21.8402 | 22.0033 | 11  | 104.28 | 11.067 | 12   | 0.894024 | 1 |
| Q6NXW0;Q9WUA6   | RAC-gamma serine/threonine-prot      | Akt3            | 22.9626 | 22.9636 | 6   | 55.657 | 14.687 | 25   | 0.996461 | 1 |
| Q6NZL0          | Protein SOGA3                        | Soga3           | 24.058  | 24.3548 | 21  | 103.48 | 39.396 | 64   | 0.742338 | 1 |
| Q6P069          | Sorcin                               | Sri             | 25.1894 | 23.2638 | 9   | 21.627 | 18.848 | 81   | 0.320451 | 1 |
| Q9D689;Q6P1F5;Q | Huntingtin-interacting protein 1-re  | Hip1r           | 24.6226 | 24.6237 | 19  | 119.37 | 43.719 | 44   | 0.998361 | 1 |
| Q6P1J1;Q3TXY0;Q | Crmp1 protein                        | Crmp1           | 29.5614 | 29.534  | 36  | 74.22  | 323.31 | 1183 | 0.838852 | 1 |

|                  |   |                   |         |         |    |        |        |     |          |   |
|------------------|---|-------------------|---------|---------|----|--------|--------|-----|----------|---|
| Q6P4T2           | U5 small nuclear ribonucleoprotein                          | Snrnp200          | 25.3548 | 25.4506 | 31 | 244.54 | 137.91 | 99  | 0.379839 | 1 |
| Q6P5E4           | UDP-glucose:glycoprotein glucosyltransferase                | Uggt1             | 25.7773 | 25.7751 | 25 | 176.43 | 88.225 | 113 | 0.990233 | 1 |
| Q6P5F7           | Protein tyrosine phosphatase                                | Ttyh3             | 23.329  | 23.745  | 7  | 57.713 | 71.294 | 25  | 0.722124 | 1 |
| Q6P5F9           | Exportin-1  | Xpo1              | 25.4872 | 25.7899 | 27 | 123.09 | 126.66 | 124 | 0.641987 | 1 |
| Q6P5U7           | NACHT and WD repeat domain-containing protein               | Nwd2              | 24.3998 | 24.2866 | 18 | 197.41 | 37.112 | 43  | 0.389668 | 1 |
| Q6P6I8;Q2M4I8;AC | Signal-regulatory protein alpha                             | Sirpa;Ptpns1      | 28.0193 | 28.1816 | 14 | 55.986 | 323.31 | 547 | 0.479809 | 1 |
| Q6P8X1;Q8R0Z4    | Sorting nexin-6;Sorting nexin-6, N-terminal                 | Snx6              | 22.2575 | 22.1377 | 10 | 46.648 | 19.112 | 51  | 0.896222 | 1 |
| Q6P9K9;Q6ZQ56;E! | Neurexin-3  | Nrxn3;mKIAA07     | 26.7311 | 26.6755 | 33 | 173.43 | 118.62 | 196 | 0.823419 | 1 |
| Q6ZPX7;Q6P9R2    | Serine/threonine-protein kinase                             | OxsmKIAA1101;Oxsm | 22.1236 | 21.8039 | 5  | 49.953 | 16.538 | 11  | 0.719236 | 1 |
| Q6PAC1;Q3UCW8;!  | Gelsolin  | Gsn               | 25.6797 | 25.7558 | 20 | 80.762 | 79.782 | 125 | 0.729348 | 1 |
| Q6PAK3           | Protein arginine N-methyltransferase                        | Prmt8             | 20.9975 | 21.0108 | 7  | 45.276 | 7.0202 | 20  | 0.970684 | 1 |
| Q6PAL3;Q8BNE3;Q  | AP-3 complex subunit sigma-2                                | Ap3s2             | 23.3377 | 21.9678 | 5  | 22.031 | 10.577 | 26  | 0.232556 | 1 |
| Q6PAM0;D6RG50    | 5-AMP-activated protein kinase                              | Prkab2            | 20.2495 | 20.2109 | 4  | 30.209 | 2.5931 | 4   | 0.965317 | 1 |
| Q6PAR5           | GTPase-activating protein and VPS domain-containing protein | Gapvd1            | 22.8184 | 21.1955 | 7  | 162.4  | 7.1146 | 15  | 0.111118 | 1 |
| Q6PB44           | Tyrosine-protein phosphatase non-receptor type 23           | Ptpn23            | 25.0357 | 24.963  | 24 | 185.21 | 58.932 | 63  | 0.71228  | 1 |
| Q6PB66           | Leucine-rich PPR motif-containing protein                   | Lrpprc            | 27.0516 | 27.0841 | 52 | 156.61 | 171.91 | 304 | 0.835177 | 1 |
| Q6PCP5;E0CYB9;F7 | Mitochondrial fission factor                                | Mff               | 23.6112 | 24.0325 | 12 | 32.931 | 23.634 | 50  | 0.491813 | 1 |
| Q6PDI5;A2ALV7;A2 | Proteasome-associated protein                               | Ecm29;Al31418     | 24.4775 | 24.143  | 14 | 203.7  | 46.375 | 35  | 0.561047 | 1 |
| Q6PDL0;A0A1D5R1  | Cytoplasmic dynein 1 light intermediate chain               | Dync1li2          | 24.2646 | 24.2456 | 17 | 54.218 | 73.025 | 121 | 0.975852 | 1 |
| Q6PDY2           | 2-aminoethanethiol dioxygenase                              | Ado               | 20.7522 | 21.4715 | 5  | 28.372 | 15.17  | 21  | 0.400621 | 1 |
| Q6PE01           | U5 small nuclear ribonucleoprotein                          | Snrnp40           | 22.5616 | 22.3165 | 5  | 39.275 | 20.497 | 12  | 0.696669 | 1 |
| Q6PE15;F6X5P5    | Mycophenolic acid acyl-glucuronidase                        | Abhd10            | 22.0073 | 22.766  | 5  | 33.04  | 7.3292 | 22  | 0.289784 | 1 |
| Q6PGB6           | N-alpha-acetyltransferase 50                                | Naa50             | 22.1309 | 21.156  | 4  | 19.414 | 4.6956 | 11  | 0.149271 | 1 |
| Q6PGE7           | Sodium-dependent proline transporter                        | Slc6a7            | 23.7121 | 23.6791 | 8  | 71.065 | 36.505 | 42  | 0.906985 | 1 |
| Q6PGF7           | Exocyst complex component 8                                 | Exoc8             | 23.8789 | 23.4501 | 16 | 81.034 | 33.579 | 57  | 0.395387 | 1 |
| Q6PGL7;A0A0N4SV  | WASH complex subunit  | Fam21             | 21.15   | 21.6814 | 3  | 145.31 | 8.8528 | 10  | 0.70725  | 1 |
| Q6PGN3;A0A0A6Y1  | Serine/threonine-protein kinase                             | Dclk2             | 22.9026 | 22.6076 | 11 | 82.978 | 22.545 | 49  | 0.775303 | 1 |
| Q6PHU5           | Sortilin  | Sort1             | 22.7494 | 22.6824 | 7  | 91.199 | 9.3411 | 14  | 0.956691 | 1 |
| Q6PJ91           | Gstm7 protein   | Gstm7             | 22.4316 | 24.2307 | 14 | 25.68  | 12.389 | 47  | 0.283449 | 1 |
| Q6R891           | Neurabin-2  | Ppp1r9b           | 27.019  | 26.8454 | 26 | 89.519 | 228.49 | 221 | 0.750945 | 1 |
| Q6VNS1;A0A0A6YV  | NT-3 growth factor receptor;Tyrosine kinase                 | Ntrk3             | 22.6259 | 22.4726 | 10 | 92.759 | 4.9537 | 12  | 0.68612  | 1 |
| Q6XE40;O88910    | MAGUK p55 subfamily member 3                                | Mpp3              | 25.0239 | 25.0097 | 21 | 66.486 | 97.307 | 113 | 0.959282 | 1 |
| Q6ZPE2           | Myotubularin-related protein 5                              | Sbf1              | 27.0061 | 26.5393 | 50 | 208.69 | 166.58 | 267 | 0.028429 | 1 |

|                  |                                       |               |         |         |    |        |        |      |          |   |
|------------------|---------------------------------------|---------------|---------|---------|----|--------|--------|------|----------|---|
| Q6ZPF3           | T-lymphoma invasion and metasta       | Tiam2         | 21.094  | 21.283  | 2  | 192.56 | 5.1089 | 8    | 0.69437  | 1 |
| Q6ZPJ3           | E2/E3 hybrid ubiquitin-protein liga   | Ube2o         | 26.5238 | 26.332  | 28 | 140.83 | 134.42 | 211  | 0.269821 | 1 |
| Q6ZPU9;H3BIY2    | KIF1-binding protein                  | Kbp;2510003E0 | 22.5788 | 22.6729 | 8  | 71.051 | 13.706 | 26   | 0.634855 | 1 |
| Q6ZPY3;Q8K596    | Sodium/calcium exchanger 2            | Slc8a2        | 28.5878 | 28.823  | 28 | 79.755 | 323.31 | 484  | 0.55903  | 1 |
| Q6ZQ18           | Protein EFR3 homolog B                | Efr3b         | 24.4477 | 24.8796 | 17 | 92.405 | 34.329 | 60   | 0.330787 | 1 |
| Q6ZQ38;Q3UMI9    | Cullin-associated NEDD8-dissociate    | Cand1         | 29.7684 | 29.393  | 64 | 136.33 | 323.31 | 1058 | 0.46258  | 1 |
| Z4YJT3;Q6ZQ58;Q3 | La-related protein 1                  | Larp1         | 23      | 23.0593 | 7  | 121.15 | 11.883 | 13   | 0.898518 | 1 |
| Q6ZQ84;Q9JLV5;E9 | Cullin-3                              | mKIAA0617;Cul | 24.9296 | 24.9105 | 27 | 91.276 | 62.868 | 89   | 0.958237 | 1 |
| Q6ZQK4           | MKIAA0044 protein                     | Ppp2r5c       | 22.096  | 21.866  | 15 | 53.017 | 17.457 | 46   | 0.593763 | 1 |
| Q6ZWN5;F7CJS8;D  | 40S ribosomal protein S9              | Rps9          | 25.8859 | 24.6414 | 15 | 22.591 | 40.012 | 143  | 0.433611 | 1 |
| Q6ZWR6           | Nesprin-1                             | Syne1         | 23.0413 | 22.9397 | 22 | 1009.9 | 33.324 | 26   | 0.763097 | 1 |
| Q6ZWW7;G3UWD7    | 60S ribosomal protein L35             | Rpl35;Gm1026  | 25.4214 | 23.4403 | 4  | 14.552 | 18.087 | 47   | 0.379512 | 1 |
| Q6ZWX6           | Eukaryotic translation initiation fac | Eif2s1        | 23.9339 | 23.9341 | 11 | 36.108 | 52.296 | 76   | 0.998976 | 1 |
| Q6ZWY7;Q9WU28    | Prefoldin subunit 5                   | Pfdn5         | 22.4044 | 20.7513 | 5  | 17.964 | 10.281 | 11   | 0.263973 | 1 |
| Q6ZWZ6;P63323    | 40S ribosomal protein S12             | Rps12         | 25.4998 | 24.2105 | 7  | 14.515 | 53.23  | 96   | 0.485435 | 1 |
| Q71M36           | Chondroitin sulfate proteoglycan 5    | Cspg5         | 25.943  | 25.9813 | 8  | 60.405 | 48.446 | 109  | 0.92466  | 1 |
| Q76MZ3;Q8C2E1;C  | Serine/threonine-protein phosphat     | Ppp2r1a       | 29.9118 | 29.9305 | 38 | 65.322 | 323.31 | 1232 | 0.874365 | 1 |
| Q78IK2           | Up-regulated during skeletal muscl    | Usmg5         | 24.6096 | 24.6946 | 4  | 6.3814 | 22.506 | 90   | 0.742308 | 1 |
| Q78IK4;Q9CZB4;B1 | MICOS complex subunit                 | Mic27         | 20.6164 | 21.5253 | 5  | 29.26  | 7.8773 | 9    | 0.242866 | 1 |
| Q78JE5;D6REV6    | F-box only protein 22                 | Fbxo22        | 21.7623 | 21.4915 | 7  | 44.202 | 28.686 | 18   | 0.780127 | 1 |
| Q78ZM0;Q9CU14;C  | Sorting nexin-3                       | Snx3          | 25.9365 | 24.176  | 11 | 18.762 | 19.021 | 94   | 0.358318 | 1 |
| Q7TPT7;Q790I0;Q9 | Valine--tRNA ligase                   | Vars          | 26.9647 | 27.1054 | 35 | 140.23 | 323.31 | 223  | 0.380687 | 1 |
| Q791T5;Q8CEY5    | Mitochondrial carrier homolog 1       | Mtch1         | 25.113  | 25.4462 | 13 | 41.565 | 50.225 | 98   | 0.584408 | 1 |
| Q7M6W1;A3QM89    | Reticulon                             | Rtn1          | 26.6758 | 26.6624 | 10 | 23.557 | 19.807 | 337  | 0.964319 | 1 |
| Q7TMB8;A0A0U1R   | Cytoplasmic FMR1-interacting prot     | Cyfp1         | 25.0369 | 25.4602 | 43 | 145.24 | 60.205 | 108  | 0.233175 | 1 |
| Q7TMH5;Q9D1P0;I  | 39S ribosomal protein L13, mitoch     | Mrpl13        | 22.4865 | 22.286  | 6  | 20.371 | 3.1798 | 18   | 0.649878 | 1 |
| Q7TMM9;Q99J49    | Tubulin beta-2A chain                 | Tubb2a        | 30.7346 | 30.6689 | 32 | 49.906 | 323.31 | 2738 | 0.743881 | 1 |
| Q7TN29;Q3UM96    | Stromal membrane-associated pro       | Smap2         | 20.804  | 21.5986 | 6  | 46.577 | 7.4918 | 11   | 0.126529 | 1 |
| Q7TNC9;Q3TZT4;E9 | QAS7;Q8BNK3                           | Inpp5a        | 22.5839 | 22.2961 | 8  | 47.622 | 19.972 | 25   | 0.668998 | 1 |
| Q7TNF0;O35527;H  | Double C2-like domain-containing      | Doc2a         | 21.2298 | 21.6203 | 9  | 44.608 | 17.022 | 22   | 0.699653 | 1 |
| Q8K5D8;Q91V89;Q  | Protein phosphatase 2a regulatory     | ppp2r5d;Ppp2r | 25.3648 | 25.4586 | 22 | 65.312 | 144.41 | 137  | 0.682081 | 1 |
| Q7TNR6           | Immunoglobulin superfamily mem        | Igsf21        | 21.267  | 21.8662 | 6  | 51.937 | 10.815 | 17   | 0.535978 | 1 |
| Q7TNY3;Q9JHG6;Q  | Calcipressin-1                        | Rcan1         | 21.6575 | 22.0723 | 4  | 28.136 | 8.9307 | 19   | 0.492203 | 1 |

|                   |                                    |                |         |         |    |        |        |      |          |   |
|-------------------|------------------------------------|----------------|---------|---------|----|--------|--------|------|----------|---|
| Q7TPM6            | Fibronectin type III and SPRY doma | Fsd1           | 23.1772 | 23.496  | 14 | 55.524 | 31.498 | 64   | 0.559135 | 1 |
| Q7TPR4            | Alpha-actinin-1                    | Actn1          | 22.6363 | 21.4181 | 65 | 103.07 | 5.8773 | 10   | 0.357562 | 1 |
| Q7TQ95;A2ASL8;A   | Protein lunapark                   | Lnp            | 22.0844 | 22.4295 | 7  | 47.499 | 11.585 | 23   | 0.633917 | 1 |
| Q7TQI3;D3YWF6     | Ubiquitin thioesterase OTUB1       | Otub1          | 25.9996 | 27.4916 | 15 | 31.27  | 323.31 | 595  | 0.37797  | 1 |
| Q7TSH2            | Phosphorylase b kinase regulatory  | Phkb           | 21.3822 | 21.9736 | 3  | 123.89 | 3.9519 | 3    | 0.306319 | 1 |
| Q7TSJ2;A0A140LIT  | Microtubule-associated protein 6   | Map6           | 29.9063 | 29.6792 | 61 | 96.449 | 323.31 | 1528 | 0.376644 | 1 |
| Q7TSV4            | Phosphoglucomutase-2               | Pgm2           | 21.6613 | 21.786  | 4  | 68.747 | 5.1683 | 9    | 0.867309 | 1 |
| Q7TSZ3;Q8BMJ2;Q   | Leucine--tRNA ligase, cytoplasmic  | Lars           | 25.2464 | 25.1592 | 19 | 134.19 | 44.684 | 88   | 0.756689 | 1 |
| Q7TT37            | Elongator complex protein 1        | Ikbkap         | 23.636  | 23.2874 | 8  | 149.58 | 10.624 | 18   | 0.169238 | 1 |
| Q80SW1            | Putative adenosylhomocysteinase    | Ahcyl1         | 28.3458 | 28.3947 | 29 | 58.951 | 323.31 | 510  | 0.832383 | 1 |
| Q80T41            | Gamma-aminobutyric acid type B r   | Gabbr2         | 25.4667 | 25.8163 | 18 | 105.67 | 74.886 | 105  | 0.449238 | 1 |
| Q80TB8;Q8BL94     | Synaptic vesicle membrane proteir  | Vat1l          | 25.2861 | 25.4815 | 18 | 45.817 | 97.189 | 225  | 0.621298 | 1 |
| Q80TH1;Q52KF7;A   | Disks large homolog 3              | Dlg3           | 26.1989 | 26.6058 | 36 | 103.83 | 162.66 | 165  | 0.427921 | 1 |
| Q80TJ1;K4DI76;J3C | Calcium-dependent secretion activ  | Cadps          | 29.7786 | 29.7864 | 60 | 153.11 | 323.31 | 1398 | 0.954392 | 1 |
| Q80TL4;F6SBE4     | Protein KIAA1045                   | Kiaa1045;N281  | 27.7156 | 27.8287 | 24 | 45.222 | 323.31 | 538  | 0.659584 | 1 |
| Q80TL7;B9EKJ3     | Protein MON2 homolog               | Mon2           | 23.5151 | 23.4699 | 13 | 189.08 | 21.756 | 25   | 0.867991 | 1 |
| Q80TM9;B7ZN33;F   | Nischarin                          | Nisch          | 22.7361 | 23.1767 | 13 | 175.01 | 34.371 | 53   | 0.359138 | 1 |
| Q80TT4;Q9CZW5;C   | Mitochondrial import receptor sub  | Tomm70a        | 27.3814 | 27.3934 | 26 | 69.531 | 323.31 | 444  | 0.972388 | 1 |
| Q80TZ3            | Putative tyrosine-protein phosphat | Dnajc6         | 28.1318 | 28.1958 | 33 | 102.3  | 268.29 | 602  | 0.874808 | 1 |
| Q80U23            | Syntaphilin                        | Snph           | 23.6826 | 23.3796 | 10 | 53.752 | 30.457 | 20   | 0.417592 | 1 |
| Q80U56            | Late secretory pathway protein AV  | Avl9           | 22.5785 | 22.6081 | 9  | 72.185 | 19.232 | 21   | 0.975028 | 1 |
| Q80UE5;Q80UE3;Q   | Band 4.1-like protein 2            | Epb4.1l2;Epb41 | 26.1981 | 26.3004 | 31 | 101.81 | 110.85 | 211  | 0.669862 | 1 |
| Q80UK0            | SEC14 domain and spectrin repeat   | Sestd1         | 22.3548 | 21.4836 | 5  | 79.375 | 24.742 | 10   | 0.119143 | 1 |
| Q80UL3;Q9R0N0;Q   | Galactokinase                      | Galk1          | 23.5741 | 23.5373 | 14 | 42.309 | 95.755 | 52   | 0.95469  | 1 |
| Q80UU9            | Membrane-associated progesteror    | Pgrmc2         | 20.2922 | 21.6851 | 3  | 23.334 | 4.5507 | 23   | 0.307124 | 1 |
| Q80VD1            | Protein FAM98B                     | Fam98b         | 22.5635 | 22.4653 | 8  | 45.349 | 24.506 | 36   | 0.868165 | 1 |
| Q80VM5            | Dipeptidyl aminopeptidase-like prc | Dpp6           | 27.0695 | 27.1006 | 24 | 91.213 | 105.38 | 266  | 0.926433 | 1 |
| Q80VP0            | Tectonin beta-propeller repeat-cor | Tecpr1         | 24.7468 | 25.0685 | 21 | 130.26 | 76.059 | 89   | 0.235133 | 1 |
| Q80VP1            | Epsin-1                            | Epn1           | 26.6676 | 26.8439 | 14 | 60.211 | 223.67 | 287  | 0.411938 | 1 |
| Q80WG5            | Volume-regulated anion channel si  | Lrrc8a         | 23.0473 | 23.0755 | 7  | 94.118 | 9.0662 | 14   | 0.849206 | 1 |
| Q80WJ7;E9PUX0;F   | Protein LYRIC                      | Mtdh           | 22.3253 | 21.66   | 8  | 63.845 | 13.685 | 25   | 0.272841 | 1 |
| Q80WM4            | Hyaluronan and proteoglycan link   | Hapln4         | 22.9194 | 23.1317 | 7  | 42.808 | 17.955 | 45   | 0.563973 | 1 |
| Q8CCX6;Q80WQ2;I   | Protein VAC14 homolog              | Vac14          | 22.724  | 22.8218 | 7  | 76.152 | 25.108 | 16   | 0.844528 | 1 |

|                   |  |               |         |         |    |        |        |     |          |   |
|-------------------|--|---------------|---------|---------|----|--------|--------|-----|----------|---|
| Q80X50;Q8BJ53;Q8B | Ubiquitin-associated protein 2-like                            | Ubp2l;lig-2a  | 21.6916 | 21.6418 | 7  | 116.8  | 13.017 | 25  | 0.957256 | 1 |
| Q80X54;Q91YJ2     | Sorting nexin-4  | Snx4          | 22.7416 | 22.5546 | 13 | 47.04  | 39.1   | 67  | 0.673982 | 1 |
| Q80X80;Q8CAA2;Q8C | C2 domain-containing protein 2-like                            | C2cd2l;mKIAA0 | 24.0297 | 24.198  | 14 | 76.328 | 38.851 | 80  | 0.741408 | 1 |
| Q80X85            | 28S ribosomal protein S7, mitochondrial                        | Mrps7         | 20.7626 | 20.9564 | 4  | 28.062 | 5.4557 | 6   | 0.881845 | 1 |
| Q80X90            | Filamin-B  | Flnb          | 22.3545 | 23.0036 | 11 | 277.82 | 12.373 | 17  | 0.448728 | 1 |
| Q80X95            | Ras-related GTP-binding protein A                              | Rraga         | 20.9072 | 22.6721 | 8  | 36.566 | 55.117 | 18  | 0.144127 | 1 |
| Q80XD3            | Regulator of G-protein-signaling 7                             | Rgs7          | 26.9092 | 26.888  | 22 | 55.014 | 184.1  | 338 | 0.955124 | 1 |
| Q80XN0;D3Z2Y8     | D-beta-hydroxybutyrate dehydrogenase                           | Bdh1          | 24.6915 | 26.3151 | 16 | 38.299 | 89.578 | 416 | 0.205716 | 1 |
| Q80Y09;Q9WU78;Q8  | Programmed cell death 6-interacting protein                    | Pdcd6ip       | 26.2481 | 26.1488 | 31 | 96.31  | 178.66 | 178 | 0.80127  | 1 |
| Q80Z38;D3Z5K8;AC  | SH3 and multiple ankyrin repeat domain                         | Shank2        | 27.6876 | 27.5886 | 46 | 158.97 | 277.13 | 438 | 0.622103 | 1 |
| Q80ZJ1            | Ras-related protein Rap-2a                                     | Rap2a         | 25.4677 | 23.7437 | 13 | 20.642 | 21.886 | 97  | 0.319154 | 1 |
| Q80ZJ8;Q8K046;E9  | EF-hand calcium-binding domain-containing protein 2b           | Cracr2b       | 22.9711 | 23.4009 | 2  | 44.437 | 2.6027 | 9   | 0.820974 | 1 |
| Q80ZW2            | Protein THEM6  | Them6         | 23.2188 | 21.6087 | 8  | 23.802 | 19.717 | 40  | 0.116465 | 1 |
| Q810A3;Q6P3Y6     | Tetratricopeptide repeat protein 9c                            | Ttc9c         | 21.296  | 21.637  | 2  | 19.997 | 2.5477 | 12  | 0.755029 | 1 |
| Q810B6;B7ZP20     | Rabankyrin-5   | Ankfy1        | 24.3706 | 24.1068 | 13 | 128.65 | 27.329 | 44  | 0.572771 | 1 |
| Q810U3            | Neurofascin  | Nfasc         | 29.1243 | 29.2758 | 39 | 137.97 | 323.31 | 878 | 0.256723 | 1 |
| Q810U4            | Neuronal cell adhesion molecule 1                              | Nrcam         | 28.5132 | 28.4417 | 29 | 138.52 | 323.31 | 455 | 0.675674 | 1 |
| Q8R2U8;Q8BFP9     | [Pyruvate dehydrogenase (acetyl-transferring) subunit alpha]   | Pdk1          | 23.5313 | 23.5387 | 11 | 48.836 | 84.089 | 62  | 0.971363 | 1 |
| Q8BFQ8            | Parkinson disease 7 domain-containing protein 1                | Pddc1         | 23.8487 | 22.7433 | 7  | 23.277 | 26.63  | 80  | 0.306959 | 1 |
| Q8BFR5            | Elongation factor Tu, mitochondrial                            | Tufm          | 28.4017 | 28.4178 | 30 | 49.508 | 323.31 | 736 | 0.974539 | 1 |
| Q8BFS6;D3Z7F7     | Serine/threonine-protein phosphatase 1                         | Cpped1        | 20.9215 | 21.9612 | 6  | 35.247 | 7.1902 | 11  | 0.063371 | 1 |
| Q8BFT9;D3Z379     | Synaptic vesicle 2-related protein                             | Svop          | 22.5045 | 22.547  | 6  | 60.768 | 14.948 | 17  | 0.979566 | 1 |
| Q8BFU3            | RING finger protein 214  | Rnf214        | 23.3568 | 23.5225 | 10 | 73.624 | 35.371 | 35  | 0.566402 | 1 |
| Q8BFY6            | Peflin   | Pef1          | 22.692  | 23.9219 | 8  | 29.227 | 19.177 | 88  | 0.404465 | 1 |
| Q8BFZ9;A0A1B0GS   | Erlin-2  | Erlin2        | 23.6988 | 23.7451 | 10 | 37.872 | 29.011 | 68  | 0.923595 | 1 |
| Q8BG18            | N-terminal EF-hand calcium-binding domain-containing protein 1 | Necab1        | 23.5692 | 23.174  | 11 | 40.933 | 52.47  | 81  | 0.409813 | 1 |
| Q8BG39            | Synaptic vesicle glycoprotein 2B                               | Sv2b          | 28.2772 | 28.3189 | 20 | 77.456 | 248.32 | 506 | 0.945716 | 1 |
| Q8BG40            | Katanin p80 WD40 repeat-containing protein 1                   | Katnb1        | 22.8384 | 22.1495 | 5  | 72.638 | 10.123 | 11  | 0.104884 | 1 |
| Q8BG51            | Mitochondrial Rho GTPase 1                                     | Rhot1         | 24.3139 | 23.9038 | 12 | 72.241 | 21.1   | 62  | 0.032439 | 1 |
| Q8BGB7            | Enolase-phosphatase E1   | Enoph1        | 22.7466 | 24.2325 | 6  | 28.6   | 38.83  | 90  | 0.184011 | 1 |
| Q8BGH2            | Sorting and assembly machinery component 50                    | Samm50        | 26.0196 | 25.9883 | 21 | 51.863 | 104.91 | 298 | 0.816265 | 1 |
| Q8BGK5            | Solute carrier family 35 member F1                             | Slc35f1       | 21.4271 | 21.6786 | 1  | 45.304 | 2.0478 | 11  | 0.7042   | 1 |
| Q8BGN8            | Synaptoporin   | Synpr         | 24.3906 | 24.4354 | 5  | 29.228 | 14.667 | 78  | 0.940363 | 1 |

|                  |   |         |         |    |        |        |      |          |   |
|------------------|---|---------|---------|----|--------|--------|------|----------|---|
| Q8BGR6;B7ZN40    | ADP-ribosylation factor-like protein Arl15            | 21.6656 | 20.252  | 5  | 22.905 | 7.266  | 10   | 0.100807 | 1 |
| Q8BGR9           | Ubiquitin-like domain-containing C Ublcp1             | 20.5061 | 21.0144 | 3  | 36.836 | 3.7507 | 18   | 0.369357 | 1 |
| Q8BGT8;F7D3N3;F1 | Phytanoyl-CoA hydroxylase-interactin Phyhipl          | 27.3453 | 27.1506 | 19 | 42.34  | 152.28 | 263  | 0.662949 | 1 |
| Q8BGU5           | Cyclin-Y Ccny   | 22.023  | 22.8673 | 7  | 39.394 | 13.962 | 47   | 0.256099 | 1 |
| Q8BGX2           | Uncharacterized protein C19orf52 homolog              | 22.0516 | 23.8315 | 10 | 29.415 | 41.135 | 55   | 0.283203 | 1 |
| Q8BH44           | Coronin-2B Coro2b                                     | 25.4515 | 25.1999 | 21 | 54.936 | 54.71  | 164  | 0.363862 | 1 |
| Q8BH57           | WD repeat-containing protein 48 Wdr48                 | 22.804  | 22.877  | 14 | 76.006 | 27.18  | 32   | 0.95979  | 1 |
| Q8BH58           | TIP41-like protein Tiprl                              | 21.6294 | 21.8925 | 7  | 31.253 | 13.764 | 23   | 0.70762  | 1 |
| Q8BH59           | Calcium-binding mitochondrial carrier Slc25a12        | 29.8697 | 29.9426 | 42 | 74.569 | 323.31 | 1988 | 0.751398 | 1 |
| Q8BH66;Q6PGE9    | Atlastin-1 Atl1                                       | 27.3192 | 27.3931 | 25 | 63.377 | 223.45 | 381  | 0.740829 | 1 |
| Q8BH80;Q9QY76;C  | Vesicle-associated membrane protein Vapb              | 24.2152 | 25.4652 | 10 | 26.918 | 52.38  | 112  | 0.546979 | 1 |
| Q8BH95           | Enoyl-CoA hydratase, mitochondrial Echs1              | 24.5025 | 26.4742 | 11 | 31.474 | 85.712 | 253  | 0.34467  | 1 |
| Q8BHC2;Q9CX00    | IST1 homolog Ist1                                     | 22.2694 | 22.1977 | 9  | 31.201 | 13.429 | 27   | 0.926426 | 1 |
| Q8BHC4;B0QZX9    | Dephospho-CoA kinase domain-containing Dcakd          | 22.4235 | 21.0671 | 4  | 26.476 | 6.5847 | 9    | 0.168127 | 1 |
| Q8BHE3           | Caytaxin Atcay  | 26.4563 | 26.4518 | 10 | 42.178 | 63.571 | 165  | 0.986403 | 1 |
| Q8BHL3           | TBC1 domain family member 10B Tbc1d10b                | 24.1173 | 24.0534 | 8  | 87.274 | 18.577 | 30   | 0.906862 | 1 |
| Q8BHL5           | Engulfment and cell motility protein Elmo2            | 22.9729 | 22.719  | 11 | 83.886 | 16.444 | 26   | 0.622101 | 1 |
| Q8BHZ0;Q9CWE1    | Protein FAM49A Fam49a                                 | 23.1342 | 22.4155 | 14 | 37.342 | 37.522 | 86   | 0.050003 | 1 |
| Q8BIG7;H3BJ37    | Catechol O-methyltransferase domain-containing Comtd1 | 23.2872 | 24.3481 | 8  | 28.96  | 51.527 | 55   | 0.585008 | 1 |
| Q8BIJ6;E9PWN2;Q8 | Isoleucine--tRNA ligase, mitochondrial Iars2          | 27.1555 | 27.0518 | 30 | 112.8  | 211.35 | 263  | 0.738232 | 1 |
| Q8BIW1           | Protein prune homolog Prune                           | 24.1818 | 24.0277 | 13 | 50.239 | 80.457 | 71   | 0.741763 | 1 |
| Q8BJH1           | Zinc finger C2HC domain-containing Zc2hc1a            | 24.3453 | 23.7895 | 12 | 35.152 | 22     | 63   | 0.258473 | 1 |
| Q8BJY1           | 26S proteasome non-ATPase regulator Psm5              | 24.9682 | 24.8774 | 20 | 55.971 | 97.866 | 113  | 0.771547 | 1 |
| Q8BK72           | 28S ribosomal protein S27, mitochondrial Mrps27       | 21.3306 | 21.0306 | 6  | 47.778 | 9.2261 | 25   | 0.690219 | 1 |
| Q8BKC5;Q3TT04;Q  | Importin-5 Ipo5                                       | 26.7148 | 26.8866 | 38 | 123.59 | 192.98 | 296  | 0.729187 | 1 |
| Q8BKS6;Q8C167    | Prolyl endopeptidase-like Prepl                       | 24.5722 | 24.6816 | 19 | 75.909 | 41.445 | 94   | 0.43381  | 1 |
| Q8BKZ9           | Pyruvate dehydrogenase protein X Pdhx                 | 25.3861 | 25.753  | 12 | 53.998 | 289.24 | 186  | 0.391232 | 1 |
| Q8BL66;Q05CS7    | Early endosome antigen 1 Eea1                         | 26.4991 | 26.1782 | 40 | 160.91 | 158.47 | 124  | 0.515785 | 1 |
| Q8BL86           | Metallo-beta-lactamase domain-containing Mblac2       | 22.2468 | 23.2443 | 11 | 31.205 | 14.889 | 39   | 0.311367 | 1 |
| Q8BLE7;A0A0R4J0A | Vesicular glutamate transporter 2 Slc17a6             | 28.045  | 28.0962 | 17 | 64.56  | 148.32 | 287  | 0.848243 | 1 |
| Q8BLF1           | Neutral cholesterol ester hydrolase Nceh1             | 24.9325 | 25.028  | 12 | 45.739 | 60.107 | 124  | 0.747386 | 1 |
| Q9D6C8;Q8BLR2    | Copine-4 Cpne4  | 23.1331 | 22.7149 | 9  | 52.783 | 11.768 | 28   | 0.400849 | 1 |
| Q8BLY2           | Probable threonine--tRNA ligase 2, Tarsl2             | 21.1944 | 21.9117 | 8  | 91.317 | 13.112 | 28   | 0.436295 | 1 |

|                   |  |         |         |     |        |        |      |          |   |
|-------------------|--|---------|---------|-----|--------|--------|------|----------|---|
| Q8BMF3;Q3UZW5     | NADP-dependent malic enzyme, m Me3                           | 25.2753 | 25.538  | 25  | 67.098 | 224.27 | 151  | 0.629122 | 1 |
| Q8BMF4            | Dihydrolipoyllysine-residue acetyl CoA                       | 29.0052 | 29.0664 | 25  | 67.941 | 323.31 | 913  | 0.544125 | 1 |
| Q8BMI3;A2A9W7;S   | ADP-ribosylation factor-binding protein Gga3                 | 23.1139 | 24.0777 | 9   | 77.972 | 56.581 | 26   | 0.430102 | 1 |
| Q8BMJ3;Q4FJR7;Q   | Eukaryotic translation initiation factor Eif1ax;Eif1a        | 24.5273 | 22.3476 | 4   | 16.46  | 5.5505 | 22   | 0.274987 | 1 |
| Q8BMK4            | Cytoskeleton-associated protein 4 Ckap4                      | 23.9284 | 23.2395 | 12  | 63.691 | 24.65  | 33   | 0.590084 | 1 |
| Q8BMS1;Q3TB39     | Trifunctional enzyme subunit alpha Hadha                     | 27.3642 | 27.3705 | 33  | 82.669 | 323.31 | 359  | 0.97612  | 1 |
| Q8BNU0            | Armadillo repeat-containing protein Armc6                    | 22.8283 | 23.4613 | 11  | 50.683 | 50.816 | 48   | 0.142701 | 1 |
| Q8BNW9            | Kelch repeat and BTB domain-containing protein Kbtbd11       | 24.1975 | 24.1789 | 20  | 67.945 | 50.928 | 73   | 0.971299 | 1 |
| Q8BNY6            | Neuronal calcium sensor 1 Ncs1                               | 22.6963 | 21.3254 | 4   | 21.878 | 4.9849 | 19   | 0.379815 | 1 |
| Q8BP40            | Lysophosphatidic acid phosphatase Acp6                       | 20.5784 | 21.5674 | 3   | 47.624 | 6.2341 | 8    | 0.191311 | 1 |
| Q8BP47            | Asparagine--tRNA ligase, cytoplasmic Nars                    | 25.6875 | 25.7054 | 21  | 64.279 | 112.94 | 211  | 0.919595 | 1 |
| Q9JJ43;Q8BP71     | RNA binding protein fox-1 homolog Rbfox1;Rbfox2              | 23.3754 | 23.3261 | 5   | 42.678 | 12.294 | 22   | 0.944186 | 1 |
| Q8BPN8;B0V2P5;F   | DmX-like protein 2 Dmxl2                                     | 29.5169 | 29.5173 | 121 | 338.2  | 323.31 | 1191 | 0.997463 | 1 |
| Q8BRF7            | Sec1 family domain-containing protein Scfd1                  | 21.5627 | 21.7219 | 5   | 72.322 | 5.3936 | 11   | 0.765076 | 1 |
| Q8BRQ9;Q925N0     | Sideroflexin;Sideroflexin-5 Sfxn5                            | 26.1665 | 25.7502 | 11  | 32.783 | 91.294 | 182  | 0.440161 | 1 |
| Q8BTF0;Q8CIE6;F8  | Coatomer subunit alpha;Coatomer Copa                         | 25.3927 | 25.4954 | 29  | 138.52 | 65.834 | 110  | 0.877374 | 1 |
| Q8BTG3            | T-complex protein 11-like protein 1 Tcp11l1                  | 20.9186 | 20.9399 | 6   | 56.331 | 5.2066 | 14   | 0.941392 | 1 |
| Q8BTG7            | Protein NDRG4 Ndr4   | 25.7263 | 25.7766 | 15  | 38.508 | 236.63 | 157  | 0.849597 | 1 |
| Q8BTI8;A0A087WR   | Serine/arginine repetitive matrix protein Srrm2              | 22.2267 | 22.1925 | 5   | 294.84 | 7.0819 | 5    | 0.980598 | 1 |
| Q8BTX9;A0A1D5RL   | Inactive hydroxysteroid dehydrogenase Hsd1l1                 | 22.7994 | 22.4643 | 9   | 36.867 | 15.314 | 28   | 0.619377 | 1 |
| Q8BTZ7            | Mannose-1-phosphate guanylyltransferase Gmppb                | 22.9431 | 22.8526 | 11  | 39.916 | 47.464 | 46   | 0.854864 | 1 |
| Q8BU20;Q9CQH3;I   | NADH dehydrogenase [ubiquinone] Ndufb5                       | 26.452  | 25.877  | 9   | 21.738 | 40.778 | 210  | 0.174942 | 1 |
| Q8BU30            | Isoleucine--tRNA ligase, cytoplasmic Iars                    | 25.8482 | 25.9424 | 31  | 144.27 | 68.39  | 128  | 0.515941 | 1 |
| Q8BU88            | 39S ribosomal protein L22, mitochondrial Mrpl22              | 22.7495 | 21.421  | 3   | 23.805 | 4.255  | 12   | 0.11686  | 1 |
| Q8BUK6            | Protein Hook homolog 3 Hook3                                 | 23.2873 | 23.3494 | 12  | 83.217 | 38.602 | 37   | 0.566034 | 1 |
| Q8BUN9;B1AXF2     | Solute carrier family 24 (sodium/potassium) Slc24a2          | 24.2338 | 25.2871 | 7   | 74.24  | 68.419 | 66   | 0.128384 | 1 |
| Q8BVG4            | Dipeptidyl peptidase 9 Dpp9                                  | 23.4422 | 23.2624 | 1   | 98     | 20.11  | 16   | 0.638912 | 1 |
| Q8BVI4;D3YWR7;A   | Dihydropteridine reductase Qdpr                              | 23.9102 | 26.5683 | 15  | 25.57  | 145.93 | 265  | 0.340891 | 1 |
| Q8BVI5;F7CJY7;F6X | Syntaxin-16 Stx16  | 23.1387 | 23.4271 | 9   | 37.08  | 67.199 | 52   | 0.709314 | 1 |
| Q8BVQ5            | Protein phosphatase methyltransferase Ppme1                  | 26.1797 | 26.1243 | 18  | 42.256 | 192.73 | 269  | 0.764055 | 1 |
| Q8BW75            | Amine oxidase [flavin-containing] E Maob                     | 26.2751 | 26.3349 | 20  | 58.557 | 195.56 | 176  | 0.878384 | 1 |
| Q8BWG8;J3QNU6     | Beta-arrestin-1 Arrb1  | 24.8722 | 24.9103 | 11  | 46.972 | 48.296 | 89   | 0.900942 | 1 |
| Q8BWM0            | Prostaglandin G/H synthase 2;Prostaglandin synthase 2 Ptges2 | 21.9877 | 23.4574 | 15  | 43.323 | 29.433 | 50   | 0.469125 | 1 |

|                 |  |                |         |         |    |        |        |      |          |   |
|-----------------|--|----------------|---------|---------|----|--------|--------|------|----------|---|
| Q8BWR2;B1AV57   | PITH domain-containing protein 1                   | Pithd1         | 21.5861 | 23.1885 | 9  | 24.192 | 20.029 | 34   | 0.182496 | 1 |
| Q8BWT1;Q3UKH3   | 3-ketoacyl-CoA thiolase, mitochondrial             | Acaa2          | 26.2975 | 26.1089 | 20 | 41.829 | 175.2  | 214  | 0.325157 | 1 |
| Q8BX10;B7ZNW0;A | Serine/threonine-protein phosphatase               | Pgam5          | 21.8793 | 22.9898 | 14 | 31.994 | 17.832 | 34   | 0.236534 | 1 |
| Q8BXQ4;Q8K2V6   | Importin-11  | Ipo11          | 21.3786 | 21.3165 | 3  | 82.159 | 8.9721 | 9    | 0.959776 | 1 |
| Q8BXR1;D3YY38   | Probable cationic amino acid transporter           | Slc7a14        | 24.8111 | 25.1598 | 8  | 83.983 | 60.902 | 59   | 0.316257 | 1 |
| Q8BXV2;A0A0G2JG | BRI3-binding protein                               | Bri3bp         | 22.5202 | 21.7999 | 2  | 28.263 | 6.7423 | 29   | 0.645586 | 1 |
| Q8BXZ1          | Protein disulfide-isomerase TMX3                   | Tmx3           | 23.4674 | 23.041  | 8  | 51.847 | 74.633 | 27   | 0.655476 | 1 |
| Q8BY89          | Choline transporter-like protein 2                 | Slc44a2        | 23.1097 | 23.7373 | 7  | 80.109 | 11.429 | 33   | 0.539244 | 1 |
| Q8BYA0          | Tubulin-specific chaperone D                       | Tbcd           | 21.8306 | 21.29   | 8  | 133.32 | 25.342 | 12   | 0.709143 | 1 |
| Q8BYI9          | Tenascin-R   | Tnr            | 30.3752 | 30.3753 | 40 | 149.59 | 323.31 | 1517 | 0.999243 | 1 |
| Q8BZ29;Q3UQA6;A | Progesterone receptor                              | Pgr            | 23.2962 | 23.7189 | 2  | 78.076 | 2.0345 | 10   | 0.833381 | 1 |
| Q8C027;Q91W86   | Vacuolar protein sorting-associated protein 11     | Vps11          | 21.0936 | 20.677  | 3  | 93.215 | 3.8257 | 6    | 0.58886  | 1 |
| Q8C031          | Leucine-rich repeat-containing protein 4c          | Lrrc4c         | 22.38   | 22.1197 | 7  | 71.991 | 7.8989 | 9    | 0.70172  | 1 |
| Q8C052;B2RWW1;  | Microtubule-associated protein 1S                  | Map1s          | 23.4611 | 23.3618 | 10 | 102.94 | 24.487 | 30   | 0.826167 | 1 |
| Q8C078;A0A0G2JE | Calcium/calmodulin-dependent protein kinase 2      | Camkk2         | 23.901  | 23.6679 | 13 | 64.617 | 30.328 | 53   | 0.434991 | 1 |
| Q8C0C7;E9PWY9;C | Phenylalanine--tRNA ligase alpha subunit           | Farsa          | 25.2058 | 25.0229 | 16 | 57.598 | 75.165 | 107  | 0.58503  | 1 |
| Q8C0D5          | Elongation factor Tu GTP-binding domain            | Eftud1         | 21.809  | 22.0936 | 5  | 125.78 | 8.5613 | 11   | 0.049219 | 1 |
| Q8C0E2          | Vacuolar protein sorting-associated protein 26b    | Vps26b         | 25.7684 | 25.8155 | 18 | 39.124 | 50.111 | 147  | 0.901306 | 1 |
| Q8C0M9          | Isoaspartyl peptidase/L-asparaginase               | Asrgl1         | 25.9549 | 25.8168 | 14 | 33.95  | 60.481 | 208  | 0.775194 | 1 |
| Q8C0T5;Q4VBF8   | Signal-induced proliferation-associated protein 11 | Sipa11         | 25.4988 | 25.2745 | 32 | 197.03 | 78.684 | 85   | 0.198244 | 1 |
| Q8C129;Q8BZ14;Q | Leucyl-cystinyl aminopeptidase                     | Lnpep          | 23.7828 | 23.4098 | 11 | 117.3  | 13.905 | 22   | 0.652281 | 1 |
| Q8C163;E9PZS5   | Nuclease EXOG, mitochondrial                       | Exog           | 23.4815 | 23.4786 | 8  | 41.383 | 37.626 | 69   | 0.988139 | 1 |
| Q8C1L7;Q9CQR2   | 40S ribosomal protein S21                          | mCG_6739;Rps21 | 20.2866 | 20.8449 | 5  | 8.88   | 11.717 | 16   | 0.395868 | 1 |
| Q8C2D1;Q8VDX8;C | Histidine--tRNA ligase, cytoplasmic                | Hars           | 23.8746 | 23.7725 | 18 | 57.402 | 75.899 | 92   | 0.802822 | 1 |
| Q8C2Q3;E9QL13;Q | RNA-binding protein 14                             | Rbm14;p16      | 22.0675 | 21.4817 | 7  | 69.448 | 20.426 | 19   | 0.618688 | 1 |
| Q8C419          | Probable G-protein coupled receptor                | Gpr158         | 25.5301 | 25.4977 | 28 | 134.42 | 75.3   | 118  | 0.918049 | 1 |
| Q8VC93;Q8C460;A | ERI1 exoribonuclease 3                             | Eri3           | 24.1989 | 23.037  | 6  | 29.682 | 10.938 | 38   | 0.363437 | 1 |
| Q8C4Q6          | Axin interactor, dorsalization-associated protein  | Aida           | 21.1051 | 21.7421 | 4  | 34.888 | 6.9563 | 7    | 0.449996 | 1 |
| Q8C5H8;Q14BL1;Q | NAD kinase 2, mitochondrial                        | Nadk2          | 23.5843 | 23.9971 | 13 | 50.858 | 46.747 | 78   | 0.535298 | 1 |
| Q8C5R8;Q32M04   | Phosphoribosyl pyrophosphate synthetase 11         | Prps11         | 23.9436 | 22.9755 | 7  | 34.82  | 50.025 | 16   | 0.207362 | 1 |
| Q8C729          | Protein FAM126B                                    | Fam126b        | 23.6076 | 23.3823 | 12 | 58.586 | 23.228 | 44   | 0.531853 | 1 |
| Q8C7K6          | Prenylcysteine oxidase-like                        | Pcyox1l        | 23.4461 | 23.2002 | 9  | 54.874 | 51.568 | 38   | 0.364221 | 1 |
| Q8C845;Q9D8Y0   | EF-hand domain-containing protein                  | Efhd2          | 25.3705 | 27.3889 | 18 | 26.8   | 129.04 | 400  | 0.401975 | 1 |

|                  |                                       |               |         |         |         |        |        |        |          |          |   |
|------------------|---------------------------------------|---------------|---------|---------|---------|--------|--------|--------|----------|----------|---|
| Q8C854;A2ATP5;A1 | Myelin expression factor 2            | Myef2         | 25.1388 | 25.1237 | 20      | 63.294 | 66.962 | 113    | 0.951759 | 1        |   |
| Q8C8N2           | Protein SCAI                          | Scai          | 25.7726 | 25.7517 | 25      | 70.274 | 109.07 | 215    | 0.93086  | 1        |   |
| Q8C996           | Transmembrane protein 163             | Tmem163       | 22.5577 | 23.0292 | 4       | 31.193 | 22.267 | 18     | 0.584393 | 1        |   |
| Q8C9V6;Q8R0J2;Q8 | Mannose-P-dolichol utilization def    | Mpdu1         | 21.8027 | 21.4071 | 2       | 25.668 | 3.4366 | 11     | 0.6865   | 1        |   |
| Q8CA71;Q8CEK6    | Protein shisa-4                       | Shisa4        | 21.8601 | 22.8115 | 2       | 21.483 | 5.1859 | 45     | 0.481442 | 1        |   |
| Q8CAA7;I6L9A5    | Glucose 1,6-bisphosphate synthase     | Pgm2l1        | 27.5563 | 27.5551 | 33      | 70.279 | 236.53 | 515    | 0.994593 | 1        |   |
| Q8CAB8           | GATS-like protein 2                   | Gatsl2        | 21.0472 | 21.2759 | 4       | 36.112 | 6.3644 | 19     | 0.706487 | 1        |   |
| Q8CAQ8           | MICOS complex subunit                 | Mic60         | Immt    | 28.9104 | 28.9889 | 51     | 83.899 | 323.31 | 854      | 0.851996 | 1 |
| Q8CAY6;G3XA25;Q  | Acetyl-CoA acetyltransferase, cyto    | Acat2;Acat3   | 25.5534 | 25.5291 | 15      | 41.297 | 117.17 | 188    | 0.863315 | 1        |   |
| Q8CBE3;Q3UK24    | WD repeat-containing protein 37       | Wdr37         | 25.5109 | 25.4215 | 20      | 55.045 | 105.94 | 182    | 0.552681 | 1        |   |
| Q8CC13           | AP complex subunit beta               | Ap1b1         | 29.0147 | 29.0818 | 63      | 105    | 323.31 | 536    | 0.898513 | 1        |   |
| Q8CC88           | von Willebrand factor A domain-co     | Vwa8          | 22.7753 | 22.912  | 8       | 213.42 | 38.219 | 22     | 0.538434 | 1        |   |
| Q8CCK0;Q8BP16;A1 | Core histone macro-H2A.2;Core his     | H2afy2;H2afy3 | 21.7451 | 22.4445 | 7       | 40.092 | 14.088 | 12     | 0.451171 | 1        |   |
| Q8CFX3;Q8QZT6    | Protocadherin 1                       | Pcdh1         | 25.9425 | 25.9454 | 17      | 112.41 | 194.19 | 89     | 0.974716 | 1        |   |
| Q8CG72           | Poly(ADP-ribose) glycohydrolase       | Al            | Adprhl2 | 22.4913 | 22.6693 | 6      | 39.414 | 15.038 | 38       | 0.409153 | 1 |
| Q8CG76           | Aflatoxin B1 aldehyde reductase       | m             | Akr7a2  | 24.8094 | 24.7797 | 10     | 40.612 | 78.01  | 99       | 0.869169 | 1 |
| Q8CGA0           | Protein phosphatase 1F                | Ppm1f         | 23.3819 | 23.9391 | 12      | 49.61  | 99.46  | 64     | 0.41359  | 1        |   |
| Q8CGF6           | WD repeat-containing protein 47       | Wdr47         | 24.418  | 24.4898 | 17      | 102.31 | 49.671 | 97     | 0.885657 | 1        |   |
| Q8CGK3;Q3V2D0    | Lon protease homolog, mitochond       | Lonp1         | 26.0935 | 26.1762 | 30      | 105.84 | 228.16 | 195    | 0.831604 | 1        |   |
| Q8CGY8           | UDP-N-acetylglucosamine--peptide      | Ogt           | 26.7829 | 26.5668 | 41      | 116.95 | 107.1  | 223    | 0.195047 | 1        |   |
| Q8CHK3           | Lysophospholipid acyltransferase      | 7             | Mboat7  | 24.4395 | 24.6446 | 6      | 53.435 | 99.818 | 49       | 0.499044 | 1 |
| Q8CHP8;Q5XK18;Q  | Phosphoglycolate phosphatase          | Pgp           | 24.5043 | 25.7814 | 18      | 34.54  | 210.2  | 201    | 0.360178 | 1        |   |
| Q8CHT0           | Delta-1-pyrroline-5-carboxylate de    | Aldh4a1       | 23.6926 | 23.7965 | 10      | 61.84  | 36.515 | 43     | 0.756751 | 1        |   |
| Q8CHU3;Q5NCM6;   | Epsin-2                               | Epn2          | 22.9325 | 22.3109 | 7       | 63.471 | 13.334 | 25     | 0.124918 | 1        |   |
| Q8CHW4           | Translation initiation factor eIF-2B  | Eif2b5        | 21.6367 | 21.6613 | 5       | 80.085 | 5.8464 | 8      | 0.980204 | 1        |   |
| Q8CHX7           | Raftlin-2                             | Rftn2         | 21.429  | 21.7164 | 4       | 54.971 | 14.648 | 12     | 0.642835 | 1        |   |
| Q8CI32           | BAG family molecular chaperone        | re            | Bag5    | 22.0646 | 22.1601 | 7      | 50.942 | 11.79  | 15       | 0.875865 | 1 |
| Q8CI71           | Coiled-coil domain-containing prot    | Ccdc132       | 24.7218 | 24.6809 | 17      | 111.17 | 32.88  | 69     | 0.945379 | 1        |   |
| Q8CIJ3;Q8JZQ9    | Eukaryotic translation initiation fac | Eif3b         | 24.2954 | 24.5141 | 16      | 108.98 | 45.303 | 49     | 0.434248 | 1        |   |
| Q8CIN4           | Serine/threonine-protein kinase       | P             | Pak2    | 23.5331 | 23.8506 | 17     | 57.93  | 41.535 | 61       | 0.323751 | 1 |
| Q8CJ19;A0A1D5RM  | Protein-methionine sulfoxide oxid     | Mical3        | 24.5221 | 24.2939 | 18      | 223.72 | 26.75  | 40     | 0.351286 | 1        |   |
| Q8CJ40           | Rootletin                             | Crocc         | 21.1838 | 22.4549 | 8       | 226.94 | 30.601 | 18     | 0.092217 | 1        |   |
| Q8CJ61           | CKLF-like MARVEL transmembrane        | Cmtm4         | 22.3762 | 21.0481 | 3       | 22.921 | 2.7952 | 14     | 0.047693 | 1        |   |

|                 |                                      |         |         |         |    |        |        |     |          |   |
|-----------------|--------------------------------------|---------|---------|---------|----|--------|--------|-----|----------|---|
| Q8CJG0;Q6PHA2;Q | Protein argonaute-2;Piwi-like prote  | Ago2    | 21.8455 | 22.5369 | 9  | 97.303 | 12.415 | 11  | 0.489597 | 1 |
| Q8HW98;A0A0U1R  | IgLO family member 5                 | Iglon5  | 20.5908 | 20.7594 | 2  | 36.766 | 5.8594 | 4   | 0.849446 | 1 |
| Q8JZN5          | Acyl-CoA dehydrogenase family me     | Acad9   | 25.1992 | 25.4996 | 25 | 68.721 | 112.5  | 152 | 0.373905 | 1 |
| Q8JZR6          | Electroneutral sodium bicarbonate    | Slc4a8  | 23.6205 | 23.4674 | 18 | 122.42 | 16.835 | 36  | 0.784376 | 1 |
| Q8JZS0;Q3TUM0   | Protein lin-7 homolog A              | Lin7a   | 25.6627 | 26.3872 | 10 | 25.992 | 39.073 | 153 | 0.506866 | 1 |
| Q8JZU2;F6VVY4   | Tricarboxylate transport protein, r  | Slc25a1 | 22.4023 | 23.2974 | 7  | 33.931 | 10.375 | 35  | 0.084364 | 1 |
| Q8JZW4          | Copine-5                             | Cpne5   | 24.2296 | 24.4811 | 17 | 65.592 | 95.177 | 96  | 0.53083  | 1 |
| Q8K010;E9Q484;Q | 5-oxoprolinase                       | Oplah   | 24.2425 | 24.0775 | 12 | 137.61 | 17.299 | 42  | 0.628487 | 1 |
| Q8K0E9;Q9DBB8   | Trans-1,2-dihydrobenzene-1,2-diol    | Dhdh    | 22.5042 | 22.5083 | 6  | 36.641 | 44.388 | 35  | 0.992132 | 1 |
| Q8K0G5          | Protein TSSC1                        | Tssc1   | 23.4173 | 23.8721 | 10 | 43.126 | 76.328 | 71  | 0.496197 | 1 |
| Q8K0U4          | Heat shock 70 kDa protein 12A        | Hspa12a | 28.1462 | 28.2799 | 42 | 74.87  | 323.31 | 642 | 0.691073 | 1 |
| Q8K0Z7          | Translational activator of cytochrom | Taco1   | 22.1502 | 21.5641 | 5  | 32.314 | 7.0708 | 23  | 0.358753 | 1 |
| Q8K183;D3Z7R1   | Pyridoxal kinase                     | Pdxk    | 27.6171 | 27.7719 | 19 | 35.015 | 323.31 | 539 | 0.008137 | 1 |
| Q8K1M6;Q3U4P3   | Dynamamin-1-like protein             | Dnm1l   | 28.7239 | 28.7711 | 46 | 82.657 | 323.31 | 877 | 0.761742 | 1 |
| Q8K1Z0;F6SFF5   | Ubiquinone biosynthesis protein C    | Coq9    | 22.6012 | 24.3252 | 8  | 35.082 | 24.351 | 77  | 0.329487 | 1 |
| Q8K212;Q3TAB8;Q | Phosphofurin acidic cluster sorting  | Pacs1   | 26.4382 | 26.1397 | 25 | 104.83 | 66.468 | 188 | 0.363849 | 1 |
| Q8K215          | LYR motif-containing protein 4       | Lym4    | 22.4852 | 22.5784 | 5  | 10.854 | 9.1216 | 29  | 0.91525  | 1 |
| Q8K232;Q9QYC0;F | Alpha-adducin                        | Add1    | 29.312  | 29.2439 | 33 | 80.623 | 323.31 | 939 | 0.811705 | 1 |
| Q8K273          | Membrane magnesium transporter       | Mmgt1   | 20.5956 | 20.8565 | 2  | 14.677 | 7.2937 | 4   | 0.626695 | 1 |
| Q8K274          | Ketosamine-3-kinase                  | Fn3krp  | 23.613  | 23.6849 | 11 | 34.468 | 30.273 | 49  | 0.692212 | 1 |
| Q8K2B3          | Succinate dehydrogenase [ubiquin     | Sdha    | 28.9396 | 28.8936 | 36 | 72.585 | 323.31 | 810 | 0.900047 | 1 |
| Q8K2C6;Q5M8R0   | NAD-dependent protein deacylase      | Sirt5   | 21.2662 | 22.2066 | 9  | 34.134 | 16.261 | 18  | 0.346296 | 1 |
| Q8K2C9          | Very-long-chain (3R)-3-hydroxyacyl   | Hacd3   | 25.7946 | 26.1461 | 10 | 43.131 | 49.251 | 148 | 0.318647 | 1 |
| Q8K2D8;Q9J119   | Acidic fibroblast growth factor intr | Fibp    | 21.2808 | 21.1437 | 5  | 41.871 | 8.9787 | 19  | 0.517837 | 1 |
| Q8K2Q7          | BRO1 domain-containing protein B     | Brox    | 22.1301 | 21.8404 | 6  | 46.201 | 12.612 | 16  | 0.794249 | 1 |
| Q8K341          | Alpha-tubulin N-acetyltransferase    | Atat1   | 22.8453 | 22.8925 | 13 | 47.163 | 20.863 | 30  | 0.885181 | 1 |
| Q8K354          | Carbonyl reductase [NADPH] 3         | Cbr3    | 23.1003 | 24.2065 | 12 | 30.953 | 41.067 | 63  | 0.350448 | 1 |
| Q8K394          | Inactive phospholipase C-like prote  | Plcl2   | 25.2341 | 25.4672 | 23 | 125.77 | 51.603 | 62  | 0.562991 | 1 |
| Q8K3H0          | DCC-interacting protein 13-alpha     | Appl1   | 25.5417 | 25.5727 | 23 | 79.327 | 85.89  | 142 | 0.899457 | 1 |
| Q8K411          | Presequence protease, mitochondri    | Pitrm1  | 22.1868 | 22.254  | 6  | 117.37 | 9.7753 | 12  | 0.933611 | 1 |
| Q8K4F5;D3YYK0   | Alpha/beta hydrolase domain-cont     | Abhd11  | 21.3095 | 22.587  | 7  | 33.56  | 9.9016 | 24  | 0.07393  | 1 |
| Q8K4R4;A0A0A0M  | Cytoplasmic phosphatidylinositol t   | Pitpnc1 | 21.6361 | 21.5178 | 4  | 38.383 | 10.832 | 13  | 0.910688 | 1 |
| Q8K4Z3          | NAD(P)H-hydrate epimerase            | Apoa1bp | 24.0158 | 25.751  | 11 | 30.972 | 59.57  | 126 | 0.374931 | 1 |

|                 |                                       |         |         |         |    |        |        |     |          |   |
|-----------------|---------------------------------------|---------|---------|---------|----|--------|--------|-----|----------|---|
| Q8K4Z5;Q3TVM1;C | Splicing factor 3A subunit 1          | Sf3a1   | 22.2836 | 21.2249 | 6  | 88.544 | 6.5483 | 6   | 0.334169 | 1 |
| Q8QZS1;E0CX19   | 3-hydroxyisobutyryl-CoA hydrolase     | Hibch   | 25.5805 | 25.4928 | 18 | 43.037 | 112.33 | 165 | 0.412363 | 1 |
| Q8QZT1;Q3TQP7   | Acetyl-CoA acetyltransferase, mito    | Acat1   | 28.7328 | 28.702  | 23 | 44.816 | 323.31 | 570 | 0.926275 | 1 |
| Q8QZT2          | Centriole, cilia and spindle-associat | Ccsap   | 22.4323 | 22.0072 | 6  | 28.378 | 20.397 | 36  | 0.529918 | 1 |
| Q8QZV4;E9PXX4   | Serine/threonine-protein kinase 32    | Stk32c  | 24.1972 | 24.3971 | 11 | 55.262 | 97.045 | 58  | 0.569916 | 1 |
| Q8QZY1          | Eukaryotic translation initiation fac | Eif3l   | 23.7331 | 23.6607 | 17 | 66.612 | 33.404 | 62  | 0.694769 | 1 |
| Q8R010;Q8R3V2   | Aminoacyl tRNA synthase complex       | Aimp2   | 22.0022 | 22.1429 | 8  | 35.377 | 15.237 | 43  | 0.671958 | 1 |
| Q8R016          | Bleomycin hydrolase                   | Blmh    | 25.3273 | 25.2654 | 25 | 52.511 | 131.31 | 143 | 0.950041 | 1 |
| Q8R050;Q8CCV1;Q | Eukaryotic peptide chain release fa   | Gspt1   | 24.0767 | 24.2668 | 14 | 68.625 | 50.988 | 45  | 0.429773 | 1 |
| Q8R071          | Inositol-trisphosphate 3-kinase A     | Itpka   | 26.5661 | 26.376  | 24 | 50.934 | 287.81 | 315 | 0.663402 | 1 |
| Q8R0F8          | Acylpyruvase FAHD1, mitochondriæ      | Fahd1   | 23.1681 | 24.7521 | 8  | 25.172 | 26.177 | 36  | 0.249205 | 1 |
| Q8R0H9;Q3TB03   | ADP-ribosylation factor-binding prc   | Gga1    | 23.0953 | 22.5495 | 8  | 69.971 | 41.898 | 22  | 0.23318  | 1 |
| Q8R0Y6;Q8CIF2   | Cytosolic 10-formyltetrahydrofolat    | Aldh11l | 27.6592 | 27.6643 | 50 | 98.708 | 316.17 | 477 | 0.987516 | 1 |
| Q8R123          | FAD synthase;Molybdenum cofactr       | Flad1   | 21.6574 | 21.7121 | 13 | 54.766 | 19.836 | 26  | 0.950906 | 1 |
| Q8R127;Q3ULN6   | Saccharopine dehydrogenase-like c     | Scppdh  | 25.0214 | 24.9358 | 10 | 47.129 | 85.861 | 96  | 0.810531 | 1 |
| Q8R191          | Synaptogyrin-3                        | Syngr3  | 27.4323 | 27.6261 | 7  | 24.561 | 42.658 | 202 | 0.720573 | 1 |
| Q8R1B4;Q66JU1   | Eukaryotic translation initiation fac | Eif3c   | 24.8224 | 24.702  | 16 | 105.53 | 49.673 | 68  | 0.802001 | 1 |
| Q8R1G2          | Carboxymethylenebutenolidase ho       | Cmb1    | 21.5293 | 22.507  | 4  | 27.902 | 23.258 | 9   | 0.268642 | 1 |
| Q8R1S0;D3YW66   | Ubiquinone biosynthesis monooxy;      | Coq6    | 21.3612 | 22.4592 | 7  | 51.392 | 16.531 | 27  | 0.295604 | 1 |
| Q8R1T1          | Charged multivesicular body protei    | Chmp7   | 22.2111 | 21.8914 | 7  | 50.632 | 26.247 | 23  | 0.665999 | 1 |
| Q8R2R9          | AP-3 complex subunit mu-2             | Ap3m2   | 24.4957 | 24.4122 | 14 | 46.916 | 41.4   | 106 | 0.675561 | 1 |
| Q9D375;Q8R2Y0   | Monoacylglycerol lipase ABHD6         | Abhd6   | 22.2715 | 21.7292 | 11 | 32.788 | 28.776 | 28  | 0.441695 | 1 |
| Q8R2Y8          | Peptidyl-tRNA hydrolase 2, mitochr    | Ptrh2   | 22.6167 | 22.4472 | 5  | 19.526 | 16.392 | 31  | 0.623523 | 1 |
| Q8R2Z5          | von Willebrand factor A domain-co     | Vwa1    | 21.2653 | 21.2433 | 5  | 44.708 | 7.4099 | 9   | 0.974719 | 1 |
| Q8R3Z6          | Paraspeckle component 1               | Pspc1   | 24.7417 | 24.8542 | 14 | 58.758 | 45.954 | 84  | 0.468405 | 1 |
| Q8R3F5          | Malonyl-CoA-acyl carrier protein tr   | Mcat    | 21.5644 | 21.6997 | 4  | 41.928 | 8.1082 | 27  | 0.778215 | 1 |
| Q8R404          | Protein QIL1                          | Qil1    | 23.007  | 22.1251 | 8  | 13.373 | 15.829 | 30  | 0.542945 | 1 |
| Q8R464          | Cell adhesion molecule 4              | Cadm4   | 25.0261 | 25.1056 | 11 | 42.723 | 104.32 | 125 | 0.731373 | 1 |
| Q8R480          | Nuclear pore complex protein Nup.     | Nup85   | 22.2241 | 21.4383 | 2  | 74.775 | 7.6653 | 10  | 0.353977 | 1 |
| Q8R4E6          | Purine-rich element-binding protei    | Purg    | 21.2518 | 20.8811 | 7  | 39.937 | 6.2184 | 22  | 0.59072  | 1 |
| Q8R4N0;Q9DCJ6   | Citrate lyase subunit beta-like prot  | Clybl   | 21.1122 | 21.927  | 8  | 37.548 | 65.813 | 22  | 0.427809 | 1 |
| Q8R550;Q3TA88;B | SH3 domain-containing kinase-binc     | Sh3kbp1 | 21.2853 | 21.5201 | 4  | 78.169 | 6.9155 | 8   | 0.55033  | 1 |
| Q8R570;B2FDF6   | Synaptosomal-associated protein 4     | Snap47  | 24.3142 | 24.7848 | 20 | 46.524 | 90.323 | 169 | 0.119126 | 1 |

|                      |   |          |         |         |    |        |        |      |          |   |
|----------------------|---|----------|---------|---------|----|--------|--------|------|----------|---|
| Q8R5C5;Q8R1B2        | Beta-centractin                               | Actr1b   | 25.961  | 25.8645 | 18 | 42.281 | 164.37 | 220  | 0.677728 | 1 |
| Q8R5H1               | Ubiquitin carboxyl-terminal hydrolase         | Usp15    | 23.3465 | 23.3028 | 13 | 112.32 | 29.767 | 21   | 0.92728  | 1 |
| Q8R5H6               | Wiskott-Aldrich syndrome protein              | Wasf1    | 26.9014 | 26.8731 | 17 | 61.508 | 323.31 | 261  | 0.903679 | 1 |
| Q8R5J9               | PRA1 family protein 3                         | Arl6ip5  | 24.9724 | 25      | 7  | 21.557 | 44.123 | 117  | 0.952624 | 1 |
| Q8R5L1;O35658        | Complement component 1 Q subcomponent         | C1qb     | 23.6729 | 25.3948 | 6  | 31.025 | 29.324 | 164  | 0.336461 | 1 |
| Q8VBT9               | Tether containing UBX domain for              | Aspscr1  | 21.7627 | 21.69   | 9  | 59.795 | 6.6183 | 12   | 0.86213  | 1 |
| Q8VBV7               | COP9 signalosome complex subunit              | Cops8    | 25.7336 | 23.8076 | 6  | 23.255 | 44.186 | 99   | 0.360365 | 1 |
| Q8VBY2;B1AUD3        | Calcium/calmodulin-dependent protein kinase   | Camkk1   | 23.8978 | 23.7188 | 17 | 55.837 | 29.182 | 55   | 0.553769 | 1 |
| Q8VBZ3               | Cleft lip and palate transmembrane protein    | Clptm1   | 22.6144 | 22.6314 | 7  | 75.29  | 34.098 | 29   | 0.989957 | 1 |
| Q8VCE6               | 5(3)-deoxyribonucleotidase, mitochondrial     | Nt5m     | 21.0091 | 21.5435 | 5  | 25.602 | 10.429 | 23   | 0.658612 | 1 |
| Q8VCT3;E9PYF1;Q8VCE6 | Aminopeptidase B                              | Rnpep    | 25.3308 | 25.4162 | 22 | 72.415 | 173.74 | 113  | 0.495351 | 1 |
| Q8VCW8               | Acyl-CoA synthetase family member             | Acsf2    | 26.3964 | 26.3846 | 27 | 67.95  | 260.61 | 179  | 0.974234 | 1 |
| Q8VD33;E0CZ99;E0CZ99 | Small glutamine-rich tetratricopeptide repeat | Sgtb     | 23.657  | 23.4998 | 8  | 33.429 | 44.001 | 38   | 0.550026 | 1 |
| Q8VD37;F7CPX0        | SH3-containing GRB2-like protein 3            | Sgip1    | 27.3274 | 27.1596 | 28 | 86.062 | 317.14 | 362  | 0.714829 | 1 |
| Q8VDD5;Q3UFT0        | Myosin-9                                      | Myh9     | 27.6063 | 27.5861 | 84 | 226.37 | 323.31 | 411  | 0.952095 | 1 |
| Q8VDK1;D3YY53        | Nitrilase homolog 1                           | Nit1     | 23.0443 | 24.9536 | 15 | 35.705 | 41.755 | 85   | 0.242468 | 1 |
| Q8VDK4;Q9WTR5;Q9WTR5 | Cadherin-13                                   | Cdh13    | 24.2969 | 24.4478 | 7  | 78.116 | 68.752 | 47   | 0.592973 | 1 |
| Q8VDM6               | Heterogeneous nuclear ribonucleoprotein       | Hnrnpul1 | 22.8792 | 22.9221 | 8  | 96.001 | 8.3096 | 18   | 0.966425 | 1 |
| Q8VDN2;Q3TXF9;Q3TXF9 | Sodium/potassium-transporting ATPase          | Atp1a1   | 31.7272 | 31.6817 | 61 | 112.98 | 323.31 | 1692 | 0.888676 | 1 |
| Q8VDP4               | Cell cycle and apoptosis regulator            | Ccar2    | 24.14   | 23.7856 | 10 | 103    | 13.88  | 35   | 0.518643 | 1 |
| Q8VE22;F7ARZ1;Q8VE22 | 28S ribosomal protein S23, mitochondrial      | Mrps23   | 22.3054 | 21.908  | 6  | 20.348 | 5.4863 | 19   | 0.388593 | 1 |
| Q8VE47               | Ubiquitin-like modifier-activating enzyme     | Uba5     | 22.9629 | 23.1589 | 9  | 44.789 | 64.451 | 51   | 0.250468 | 1 |
| Q8VE70;F8WI55;Q8VE70 | Programmed cell death protein 10              | Pdcd10   | 22.3235 | 22.6613 | 5  | 24.715 | 12.406 | 32   | 0.687884 | 1 |
| Q8VE88               | Protein FAM114A2                              | Fam114a2 | 21.2974 | 21.9865 | 5  | 54.044 | 10.918 | 17   | 0.370306 | 1 |
| Q8VED9               | Galectin-related protein                      | Lgalsl   | 26.3861 | 24.3372 | 8  | 18.955 | 21.345 | 134  | 0.344611 | 1 |
| Q8VEH3;F6QKK2        | ADP-ribosylation factor-like protein          | Arl8a    | 26.1451 | 23.6344 | 10 | 21.39  | 63.38  | 274  | 0.330031 | 1 |
| Q8VEH5               | EPM2A-interacting protein 1                   | Epm2aip1 | 24.6868 | 24.9207 | 14 | 70.095 | 147.72 | 98   | 0.587296 | 1 |
| Q8VEK0;D3YVV1        | Cell cycle control protein 50A                | Tmem30a  | 23.9041 | 23.5348 | 6  | 41.06  | 20.306 | 31   | 0.501123 | 1 |
| Q8VHL1               | Histone-lysine N-methyltransferase            | Setd7    | 23.6653 | 23.8887 | 8  | 40.506 | 28.913 | 40   | 0.520305 | 1 |
| Q8VI75;Q5U4C5        | Importin-4                                    | Ipo4     | 22.6101 | 23.021  | 7  | 119.27 | 26.963 | 23   | 0.806084 | 1 |
| Q8VIJ6;Q3TZL2        | Splicing factor, proline- and glutamine-rich  | Sfpq     | 27.349  | 27.345  | 24 | 75.441 | 241.1  | 233  | 0.993261 | 1 |
| Q8VIM9               | Immunity-related GTPase family Q              | Irgq     | 23.0981 | 23.1768 | 8  | 59.323 | 39.598 | 29   | 0.812977 | 1 |
| Q91V28;Q9DCD0;C6     | 6-phosphogluconate dehydrogenase              | Pgd      | 24.6114 | 24.4705 | 17 | 53.261 | 106.67 | 140  | 0.774114 | 1 |

|                 |  |                |         |         |    |        |        |      |          |   |
|-----------------|--|----------------|---------|---------|----|--------|--------|------|----------|---|
| Q91V35;P18052   | Receptor-type tyrosine-protein phr     | Ptpra          | 24.4039 | 24.4653 | 15 | 89.841 | 48.857 | 64   | 0.842134 | 1 |
| Q91V36;A0A0R4J0 | Nuclear receptor-binding protein 2     | Nrbp2          | 21.5505 | 22.0215 | 6  | 57.348 | 6.4366 | 12   | 0.418899 | 1 |
| Q91V55;D3YYM6;D | 40S ribosomal protein S5;40S ribos     | Rps5           | 26.0391 | 24.0351 | 14 | 22.876 | 56.435 | 212  | 0.388703 | 1 |
| Q91V61;Q3U4F0   | Sideroflexin-3                         | Sfxn3          | 28.5046 | 28.5903 | 17 | 35.406 | 323.31 | 706  | 0.797339 | 1 |
| Q9D096;Q91V64   | Isochorismatase domain-containin       | Isoc1          | 21.0748 | 21.3082 | 4  | 19.318 | 9.0951 | 11   | 0.626587 | 1 |
| Q91V76          | Ester hydrolase C11orf54 homolog       |                | 22.0729 | 22.5903 | 6  | 34.995 | 9.4951 | 31   | 0.290551 | 1 |
| Q91VA7          | Isocitrate dehydrogenase [NAD] su      | Idh3b          | 29.0248 | 29.0076 | 25 | 42.194 | 323.31 | 841  | 0.953489 | 1 |
| Q91VB8;Q9CY10;Q | Hemoglobin subunit alpha               | haemaglobin al | 31.5115 | 29.5221 | 11 | 15.112 | 309.32 | 1135 | 0.479967 | 1 |
| Q91VC3;A0A0N4SV | Eukaryotic initiation factor 4A-III;Ei | Eif4a3;Gm8994  | 23.5224 | 23.6191 | 17 | 46.839 | 48.636 | 64   | 0.929672 | 1 |
| Q91VE0;Q9CV67   | Long-chain fatty acid transport pro    | Slc27a4        | 22.4071 | 23.3528 | 13 | 72.318 | 19.106 | 47   | 0.264973 | 1 |
| Q91VH6;Q3TWT2   | Protein MEMO1                          | Memo1          | 20.5509 | 20.8624 | 3  | 33.692 | 2.1455 | 11   | 0.717739 | 1 |
| Q91VM5          | RNA binding motif protein, X-linkec    | Rbmx11         | 25.6199 | 25.532  | 16 | 42.161 | 122.77 | 125  | 0.764077 | 1 |
| Q91VM9;D3Z636   | Inorganic pyrophosphatase 2, mito      | Ppa2           | 25.1932 | 24.9836 | 18 | 38.114 | 76.818 | 182  | 0.645649 | 1 |
| Q91VR5;Q922B8;Q | ATP-dependent RNA helicase DDX1        | Ddx1           | 26.1686 | 26.502  | 30 | 82.499 | 215.68 | 177  | 0.242826 | 1 |
| Q91VR7          | Microtubule-associated proteins 1/     | Map1lc3a       | 27.0604 | 24.8051 | 5  | 14.272 | 22.036 | 125  | 0.387929 | 1 |
| Q91VT4          | Carbonyl reductase family member       | Cbr4           | 21.6838 | 21.7879 | 5  | 25.414 | 12.613 | 22   | 0.906716 | 1 |
| Q91VW3          | SH3 domain-binding glutamic acid-      | Sh3bgrl3       | 22.4729 | 21.5377 | 4  | 10.477 | 31.62  | 29   | 0.587359 | 1 |
| Q91VZ6;D3YVX4   | Stromal membrane-associated pro        | Smap1          | 25.3795 | 25.3238 | 6  | 47.66  | 29.15  | 89   | 0.798365 | 1 |
| Q91W61          | F-box/LRR-repeat protein 15            | Fbxl15         | 20.5603 | 19.8559 | 4  | 33.125 | 11.149 | 8    | 0.233566 | 1 |
| Q9JKY7;Q91W87   | Cytochrome P450 CYP2D22                | Cyp2d22        | 21.2476 | 21.0256 | 2  | 56.467 | 3.1424 | 16   | 0.481385 | 1 |
| Q91WC0          | Histone-lysine N-methyltransferase     | Setd3          | 22.0266 | 22.1406 | 5  | 67.175 | 15.384 | 8    | 0.832989 | 1 |
| Q91WD5;D3YXT0   | NADH dehydrogenase [ubiquinone         | Ndufs2         | 27.7288 | 27.8735 | 23 | 52.625 | 323.31 | 734  | 0.680591 | 1 |
| Q91WS0          | CDGSH iron-sulfur domain-containi      | Cisd1          | 27.6604 | 27.0303 | 9  | 12.097 | 251.54 | 340  | 0.519458 | 1 |
| Q91X52;A2AC16   | L-xylulose reductase                   | Dcxr           | 21.9324 | 22.8209 | 3  | 25.746 | 2.2332 | 11   | 0.726256 | 1 |
| Q91X72          | Hemopexin                              | Hpx            | 22.2905 | 22.7417 | 12 | 51.317 | 26.334 | 38   | 0.575089 | 1 |
| Q91X97;D3YVA2;D | Neurocalcin-delta                      | Ncald          | 26.4092 | 24.0008 | 13 | 22.245 | 22.56  | 161  | 0.264835 | 1 |
| Q91XF0          | Pyridoxine-5-phosphate oxidase         | Pnpo           | 21.9955 | 22.1479 | 5  | 30.114 | 8.9636 | 21   | 0.822151 | 1 |
| Q91XH5;G3UXX3;Q | Sepiapterin reductase                  | Spr            | 23.9839 | 26.1153 | 16 | 27.928 | 99.28  | 268  | 0.395394 | 1 |
| Q9Z2P7;Q91XH6;O | Vesicle transport through interacti    | Vti1b          | 21.2822 | 22.6211 | 9  | 26.481 | 20.691 | 18   | 0.142677 | 1 |
| Q91XM9;E9Q2L2;D | Disks large homolog 2                  | Dlg2           | 28.049  | 28.0751 | 43 | 94.879 | 323.31 | 648  | 0.908989 | 1 |
| Q91XU3          | Phosphatidylinositol 5-phosphate 4     | Pip4k2c        | 24.1624 | 24.3505 | 13 | 47.335 | 76.616 | 121  | 0.837399 | 1 |
| Q91XV3          | Brain acid soluble protein 1           | Basp1          | 29.4681 | 29.4062 | 20 | 22.086 | 323.31 | 754  | 0.907185 | 1 |
| Q91XW9;Q8K4A2   | MCG133388, isoform CRA_f               | Pcdhgc5        | 21.6961 | 21.4748 | 5  | 101.89 | 4.3632 | 10   | 0.767397 | 1 |

|                  |   |               |         |         |    |        |        |     |          |   |
|------------------|---|---------------|---------|---------|----|--------|--------|-----|----------|---|
| Q91YP0           | L-2-hydroxyglutarate dehydrogenase                  | L2hgdh        | 22.6676 | 22.2432 | 10 | 50.898 | 26.885 | 55  | 0.561885 | 1 |
| Q91YP2;Q3TB65;Q  | Neurolysin, mitochondrial                           | Nln           | 23.981  | 24.0165 | 15 | 80.428 | 38.169 | 62  | 0.94106  | 1 |
| Q91YR1           | Twinfilin-1   | Twf1          | 24.009  | 23.4963 | 13 | 40.079 | 127.81 | 63  | 0.004049 | 1 |
| Q91Z31;A0A0G2JG  | Polypyrimidine tract-binding protein                | Ptbp2         | 25.0892 | 25.1641 | 16 | 57.488 | 178.72 | 136 | 0.913919 | 1 |
| Q91Z61           | GTP-binding protein                                 | Diras1        | 22.8193 | 22.1098 | 6  | 22.264 | 11.575 | 37  | 0.103622 | 1 |
| Q91ZJ5;Q8R0M2;Q  | UTP--glucose-1-phosphate uridylyltransferase        | Ugp2          | 25.6626 | 25.5817 | 20 | 56.979 | 208.23 | 198 | 0.812226 | 1 |
| Q91ZP9;Q3B7X9;Q  | N-terminal EF-hand calcium-binding domain protein   | Necab2        | 22.1139 | 21.972  | 6  | 43.44  | 32.986 | 19  | 0.721335 | 1 |
| Q91ZZ3           | Beta-synuclein                                      | Sncb          | 27.7927 | 25.2852 | 8  | 14.051 | 151.66 | 210 | 0.383799 | 1 |
| Q920I9           | WD repeat-containing protein 7                      | Wdr7          | 28.8024 | 28.7444 | 60 | 163.45 | 323.31 | 728 | 0.70416  | 1 |
| Q920P5           | Adenylate kinase isoenzyme 5                        | Ak5           | 24.6533 | 24.6183 | 15 | 63.322 | 91.704 | 85  | 0.906951 | 1 |
| Q9CSH0;Q921F4    | Heterogeneous nuclear ribonucleoprotein             | Hnrnp11       | 24.32   | 23.8955 | 15 | 63.39  | 58.048 | 54  | 0.460806 | 1 |
| Q921G7;Q6PF96    | Electron transfer flavoprotein-ubiquinone reductase | Etfdh         | 24.5796 | 24.8297 | 23 | 68.09  | 51.801 | 68  | 0.637688 | 1 |
| Q921H8;H3BJZ9;H3 | 3-ketoacyl-CoA thiolase A, peroxisomal              | Acaa1a;Acaa1b | 23.587  | 23.7309 | 10 | 43.953 | 30.655 | 47  | 0.710483 | 1 |
| Q921I1           | Serotransferrin                                     | Tf            | 27.1334 | 27.2397 | 38 | 76.723 | 277.06 | 330 | 0.858037 | 1 |
| Q921M7           | Protein FAM49B                                      | Fam49b        | 26.1895 | 26.4326 | 17 | 36.776 | 231.06 | 453 | 0.460416 | 1 |
| Q921Q7           | Ras and Rab interactor 1                            | Rin1          | 22.4471 | 22.2595 | 7  | 83.013 | 23.205 | 22  | 0.443187 | 1 |
| Q921V3;Q9Z1J3    | Cysteine desulfurase, mitochondrial                 | Nfs1          | 23.6986 | 23.9658 | 14 | 50.584 | 43.906 | 67  | 0.483187 | 1 |
| Q922B1           | O-acetyl-ADP-ribose deacetylase                     | MacroD1       | 21.537  | 22.9397 | 4  | 35.294 | 16.696 | 36  | 0.360975 | 1 |
| Q922Q1           | Mitochondrial amidoxime reductase                   | Mar-02        | 23.9921 | 23.9674 | 19 | 38.194 | 66.795 | 128 | 0.987668 | 1 |
| Q922R1;Q3TKL5    | UPF0183 protein C16orf70 homolog                    | D230025D16Rik | 22.2013 | 22.1451 | 6  | 47.416 | 37.198 | 35  | 0.920646 | 1 |
| Q923G3;A2AMW0;   | F-actin-capping protein subunit beta                | Capzb         | 24.4623 | 27.5281 | 22 | 30.628 | 293.95 | 516 | 0.31474  | 1 |
| Q923L3           | CUB and sushi domain-containing protein             | Csmd1         | 22.7571 | 22.0463 | 3  | 387.86 | 3.4029 | 5   | 0.229957 | 1 |
| Q923T9;Q6ZWS7    | Calcium/calmodulin-dependent protein kinase 2 gamma | Camk2g        | 25.7493 | 25.8056 | 23 | 59.606 | 52.936 | 197 | 0.836713 | 1 |
| Q9JMF0;Q923Z0;D  | G-protein coupled receptor family 5 member B        | Gprc5b        | 23.9104 | 24.0175 | 4  | 29.305 | 8.9143 | 12  | 0.879588 | 1 |
| Q924L1           | LETM1 domain-containing protein                     | Letmd1        | 20.2272 | 21.5235 | 4  | 41.7   | 5.9597 | 6   | 0.346543 | 1 |
| Q925E7;F6RV17    | Serine/threonine-protein phosphatase 2B             | Ppp2r2d       | 21.859  | 20.6436 | 11 | 51.957 | 18.838 | 11  | 0.156616 | 1 |
| Q925I1           | ATPase family AAA domain-containing protein 3       | Atad3         | 24.5262 | 24.8164 | 19 | 66.741 | 71.773 | 73  | 0.076804 | 1 |
| Q99J08           | SEC14-like protein 2                                | Sec14l2       | 23.2395 | 23.2548 | 13 | 46.3   | 26.164 | 66  | 0.965263 | 1 |
| Q99J09;F7D5L2    | Methylosome protein 50                              | Wdr77         | 21.6746 | 22.093  | 5  | 36.942 | 31.164 | 20  | 0.556462 | 1 |
| Q99J36           | THUMP domain-containing protein                     | Thumpd1       | 21.9422 | 22.5697 | 8  | 38.884 | 23.538 | 28  | 0.663958 | 1 |
| Q99J77;Q9JJH0;Q3 | Sialic acid synthase                                | Nans          | 22.5673 | 22.0499 | 9  | 40.024 | 40.68  | 30  | 0.53564  | 1 |
| Q99J83           | Autophagy protein 5                                 | Atg5          | 21.4152 | 21.3808 | 4  | 32.402 | 11.499 | 10  | 0.973147 | 1 |
| Q99JB2;A2AG39;F6 | Stomatin-like protein 2, mitochondrial              | Stoml2        | 23.0958 | 23.1294 | 9  | 38.384 | 60.74  | 78  | 0.943319 | 1 |

|                   |  |         |         |    |        |        |      |          |   |
|-------------------|--|---------|---------|----|--------|--------|------|----------|---|
| Q99JI4;Q8C1T2     | 26S proteasome non-ATPase regul: Psmc6         | 24.7236 | 24.6025 | 24 | 45.536 | 64.826 | 142  | 0.78875  | 1 |
| Q99JP7            | Gamma-glutamyltransferase 7;Gan Ggt7           | 25.6972 | 25.6403 | 14 | 70.251 | 301.51 | 143  | 0.891273 | 1 |
| Q99JR1            | Sideroflexin-1 Sfxn1                           | 26.5346 | 26.5535 | 12 | 35.649 | 216.92 | 192  | 0.911536 | 1 |
| Q99JX4;A2A702     | Eukaryotic translation initiation fac Eif3m    | 22.9117 | 22.8681 | 7  | 42.516 | 20.319 | 57   | 0.891316 | 1 |
| Q99JY0            | Trifunctional enzyme subunit beta, Hadhb       | 26.2627 | 26.1826 | 22 | 51.386 | 169.48 | 304  | 0.835296 | 1 |
| Q99JY8            | Lipid phosphate phosphohydrolase Ppap2b        | 24.7862 | 25.0146 | 4  | 35.216 | 20.765 | 83   | 0.388056 | 1 |
| Q99K10;Q4KMN5;F   | Neuroigin-1 Nlgn1                              | 22.1385 | 20.8827 | 9  | 94.148 | 6.2557 | 9    | 0.214641 | 1 |
| Q99K70;B1AWT2;B   | Ras-related GTP-binding protein C; Rragc;Rragd | 23.4143 | 22.8971 | 13 | 44.12  | 36.331 | 71   | 0.33229  | 1 |
| Q99K86;Q9R069;Q   | Basal cell adhesion molecule Bcam              | 22.7754 | 22.7979 | 11 | 70.857 | 29.988 | 29   | 0.956313 | 1 |
| Q99KC8            | von Willebrand factor A domain-co Vwa5a        | 21.8883 | 22.0345 | 7  | 87.142 | 6.8049 | 12   | 0.882298 | 1 |
| Q99KE1;Q3TSD4     | NAD-dependent malic enzyme, mit Me2            | 22.5446 | 22.3895 | 10 | 65.798 | 30.862 | 22   | 0.896561 | 1 |
| Q99KI0            | Aconitate hydratase, mitochondria Aco2         | 31.2193 | 31.295  | 48 | 85.462 | 323.31 | 2485 | 0.750454 | 1 |
| Q99KP6            | Pre-mRNA-processing factor 19 Prpf19           | 23.9691 | 24.0294 | 14 | 55.238 | 55.972 | 74   | 0.879886 | 1 |
| Q99KQ4;Q3TLX1     | Nicotinamide phosphoribosyltransl Nampt        | 22.4558 | 22.0378 | 13 | 55.446 | 31.512 | 34   | 0.687267 | 1 |
| Q99KR7            | Peptidyl-prolyl cis-trans isomerase Ppif       | 24.5507 | 23.3255 | 3  | 21.737 | 7.0269 | 50   | 0.229319 | 1 |
| Q99KV1            | DnaJ homolog subfamily B membe Dnajb11         | 22.2765 | 22.2209 | 4  | 40.555 | 17.944 | 21   | 0.949972 | 1 |
| Q99KW9            | T-cell immunomodulatory protein Itfg1          | 22.0253 | 22.2217 | 7  | 67.464 | 7.6655 | 18   | 0.660548 | 1 |
| Q99L04;Q3TVU9     | Dehydrogenase/reductase SDR fan Dhcs1          | 22.3021 | 23.037  | 11 | 34.005 | 33.444 | 33   | 0.333802 | 1 |
| Q99L13;A0ZNJ2     | 3-hydroxyisobutyrate dehydrogenase Hibadh      | 23.5556 | 25.4572 | 13 | 35.44  | 69.581 | 188  | 0.330514 | 1 |
| Q99L43;A2AMQ5;C   | Phosphatidate cytidyltransferase Cds2          | 26.2558 | 26.7315 | 7  | 51.313 | 114.1  | 166  | 0.173588 | 1 |
| Q99LB6            | Methionine adenosyltransferase 2 Mat2b         | 24.4168 | 24.5419 | 12 | 37.392 | 87.178 | 90   | 0.649452 | 1 |
| Q99LC3            | NADH dehydrogenase [ubiquinone Ndufa10         | 27.4326 | 27.6142 | 24 | 40.603 | 323.31 | 710  | 0.215054 | 1 |
| Q99LC5            | Electron transfer flavoprotein subu Etfb       | 25.1851 | 27.8354 | 18 | 35.009 | 221.81 | 324  | 0.310056 | 1 |
| Q99LD8;O08972     | N(G),N(G)-dimethylarginine dimethyl Ddah2      | 21.6637 | 22.7154 | 7  | 29.645 | 8.9347 | 27   | 0.248572 | 1 |
| Q99LP6;Q3UTB8     | GrpE protein homolog 1, mitochondon Grpel1     | 22.4752 | 23.1015 | 5  | 24.307 | 7.6991 | 41   | 0.652151 | 1 |
| Q99LR1;D6RFU2     | Monoacylglycerol lipase ABHD12 Abhd12          | 25.3286 | 25.327  | 16 | 45.269 | 68.199 | 208  | 0.993405 | 1 |
| Q99LS3;A0A0J9YV;F | Phosphoserine phosphatase Psph                 | 22.555  | 23.4407 | 6  | 25.096 | 13.128 | 45   | 0.550276 | 1 |
| Q99LX0;A2A813;A2  | Protein deglycase DJ-1 Park7                   | 27.8305 | 25.2033 | 15 | 20.021 | 185.99 | 314  | 0.35892  | 1 |
| Q99LY9;B1ARW4     | NADH dehydrogenase [ubiquinone Ndufs5          | 26.5437 | 24.7023 | 10 | 12.648 | 28.008 | 157  | 0.41168  | 1 |
| Q99M71            | Mammalian ependymin-related pr Epr1            | 24.0772 | 25.4576 | 7  | 25.485 | 36.199 | 186  | 0.36943  | 1 |
| Q99MN9;A0PJE6;Q   | Propionyl-CoA carboxylase beta ch Pccb         | 25.3561 | 25.2852 | 25 | 58.408 | 149.4  | 251  | 0.755903 | 1 |
| Q99MR0;F8WI57     | Actin-like protein 6B Actl6b                   | 22.4578 | 22.1513 | 5  | 46.891 | 12.138 | 32   | 0.596384 | 1 |
| Q99MR8;Q3TVD9     | Methylcrotonoyl-CoA carboxylase : Mccc1        | 24.7972 | 25.1623 | 21 | 79.343 | 52.956 | 49   | 0.299961 | 1 |

|  |         |         |    |        |        |     |          |   |
|--|---------|---------|----|--------|--------|-----|----------|---|
| Q99N15;Q9CYT3;A 3-hydroxyacyl-CoA dehydrogenase Hsd17b10           | 23.4202 | 26.5097 | 14 | 27.273 | 130.37 | 264 | 0.300981 | 1 |
| Q99N96 39S ribosomal protein L1, mitochondrial Mrpl1               | 20.1239 | 20.8557 | 5  | 37.596 | 12.221 | 10  | 0.004164 | 1 |
| Q99NE5;F6TZK4;F6 Regulating synaptic membrane exc Rims1            | 24.3858 | 24.5935 | 19 | 163.16 | 36.179 | 53  | 0.52618  | 1 |
| Q99P31;A0A0U1RF Hsp70-binding protein 1 Hspbp1                     | 21.1222 | 21.5543 | 6  | 39.166 | 9.769  | 24  | 0.536959 | 1 |
| Q99P72 Reticulon-4 Rtn4  | 29.1312 | 28.9849 | 43 | 126.61 | 323.31 | 719 | 0.57389  | 1 |
| Q99PH4;Q8C5J1;Q Aldehyde dehydrogenase;Fatty ald Aldh3a2           | 21.6184 | 21.714  | 7  | 56.624 | 16.164 | 38  | 0.912978 | 1 |
| Q99PL6;Q6KAM0 UBX domain-containing protein 6 Ubxn6                | 24.338  | 24.4517 | 16 | 49.795 | 128.3  | 151 | 0.868449 | 1 |
| Q99PT1 Rho GDP-dissociation inhibitor 1 Arhgdia                    | 25.0422 | 28.3489 | 14 | 23.407 | 323.31 | 454 | 0.356581 | 1 |
| Q99PU5 Long-chain-fatty-acid--CoA ligase A Acsbg1                  | 25.5163 | 25.452  | 23 | 80.425 | 102.93 | 174 | 0.907272 | 1 |
| Q99PV0;Q3UNG1;E Pre-mRNA-processing-splicing factor Prpf8          | 25.4235 | 25.4196 | 30 | 273.61 | 62.225 | 107 | 0.98106  | 1 |
| Q9CPP6;Q9CX78 NADH dehydrogenase [ubiquinone Ndufa5                | 26.5421 | 24.7155 | 9  | 13.36  | 162.72 | 149 | 0.475352 | 1 |
| Q9CPQ1 Cytochrome c oxidase subunit 6C Cox6c                       | 28.1494 | 27.8055 | 9  | 8.4689 | 44.715 | 275 | 0.60244  | 1 |
| Q9CPQ3;Q3UBW3 Mitochondrial import receptor sub Tomm22             | 24.795  | 22.814  | 5  | 15.537 | 47.974 | 83  | 0.225444 | 1 |
| Q9D037;Q9CQY3;C ATP synthase subunit g, mitochondrial Atp5l        | 27.5798 | 26.7039 | 5  | 11.364 | 80.706 | 297 | 0.472874 | 1 |
| Q9CPS6;F8WH96 Histidine triad nucleotide-binding protein Hint3     | 23.3331 | 22.3029 | 3  | 18.787 | 5.263  | 39  | 0.419296 | 1 |
| Q9CPT3 N-acylneuraminase-9-phosphatase Nanp                        | 21.8468 | 21.6811 | 5  | 27.808 | 12.29  | 11  | 0.490446 | 1 |
| Q9CPT4 Myeloid-derived growth factor Mydgf                         | 23.1416 | 22.5649 | 4  | 17.982 | 10.261 | 23  | 0.578227 | 1 |
| Q9CPU4 Microsomal glutathione S-transferase Mgst3                  | 26.0155 | 26.3443 | 6  | 16.958 | 98.39  | 186 | 0.259137 | 1 |
| Q9CPV4;E9Q197;F Glyoxalase domain-containing protein Glod4         | 24.9007 | 27.0378 | 19 | 33.316 | 260.7  | 405 | 0.36094  | 1 |
| Q9CPX4;A0A1B0GF Ferritin;Ferritin light chain 1;Ferritin Ftl1;Ftl2 | 25.1133 | 24.1027 | 8  | 20.772 | 30.435 | 99  | 0.183731 | 1 |
| Q9CPX6 Ubiquitin-like-conjugating enzyme Atg3                      | 21.3665 | 20.9777 | 5  | 35.796 | 10.897 | 15  | 0.628007 | 1 |
| Q9CPY7 Cytosol aminopeptidase Lap3                                 | 25.4121 | 25.3211 | 26 | 56.141 | 106.57 | 261 | 0.609808 | 1 |
| Q9CQ10 Charged multivesicular body protein Chmp3                   | 21.8811 | 22.4025 | 6  | 25.219 | 9.4866 | 23  | 0.46948  | 1 |
| Q9CQ19 Myosin regulatory light polypeptide Myl9                    | 24.1892 | 22.1813 | 8  | 19.854 | 18.534 | 58  | 0.189859 | 1 |
| Q9CQ22;A0A0A6Y Ragulator complex protein LAMTOR1 Lamtor1           | 24.1111 | 23.0857 | 6  | 17.749 | 14.79  | 63  | 0.444328 | 1 |
| Q9CQ54;Q9D846;A NADH dehydrogenase [ubiquinone Ndufc2              | 26.3659 | 26.6545 | 9  | 14.164 | 97.996 | 251 | 0.386167 | 1 |
| Q9CQ60;Q8CBG6;L 6-phosphogluconolactonase Pgl3                     | 25.0004 | 26.2328 | 14 | 27.254 | 179.25 | 184 | 0.461821 | 1 |
| Q9CQ65 S-methyl-5-thioadenosine phosphoryltransferase Mtap         | 21.1886 | 22.6114 | 7  | 31.062 | 6.4845 | 18  | 0.195647 | 1 |
| Q9CQ69 Cytochrome b-c1 complex subunit Uqcrcq                      | 27.1852 | 26.6758 | 11 | 9.7681 | 88.16  | 224 | 0.620117 | 1 |
| Q9CQ75 NADH dehydrogenase [ubiquinone Ndufa2                       | 25.3975 | 23.7662 | 5  | 10.916 | 38.945 | 108 | 0.421013 | 1 |
| Q9CQ85;E9PXB9;Z Mitochondrial import inner membrane Timm22         | 21.6026 | 21.6506 | 2  | 20.114 | 3.6691 | 21  | 0.976643 | 1 |
| Q9CQ91 NADH dehydrogenase [ubiquinone Ndufa3                       | 23.9381 | 23.9926 | 3  | 9.3308 | 7.0778 | 37  | 0.946011 | 1 |
| Q9CQ92;G3X9U9 Mitochondrial fission 1 protein Fis1                 | 24.8674 | 23.5419 | 6  | 17.008 | 54.545 | 73  | 0.540299 | 1 |

|                 |                                     |                |         |         |    |        |        |     |          |   |
|-----------------|-------------------------------------|----------------|---------|---------|----|--------|--------|-----|----------|---|
| Q9CQA1          | Trafficking protein particle comple | Trappc5        | 22.8705 | 22.4999 | 7  | 20.795 | 15.254 | 23  | 0.695204 | 1 |
| Q9CQB4;Q9D855   | Cytochrome b-c1 complex subunit     | Uqcrb          | 25.1827 | 24.3371 | 12 | 13.561 | 98.86  | 165 | 0.701773 | 1 |
| Q9CQB5;D3Z3X4   | CDGSH iron-sulfur domain-containi   | Cisd2          | 21.216  | 21.4218 | 5  | 15.242 | 10.179 | 17  | 0.892852 | 1 |
| Q9CQD1          | Ras-related protein Rab-5A          | Rab5a          | 24.8481 | 26.7505 | 10 | 23.598 | 102.93 | 272 | 0.373353 | 1 |
| Q9CQD4;Q3TJ28;Q | Charged multivesicular body protei  | Chmp1b2;Chmp   | 20.9109 | 21.7669 | 2  | 22.161 | 2.8907 | 14  | 0.354631 | 1 |
| Q9CQE1;B1AWZ5   | Protein NipSnap homolog 3B          | Nipsnap3b      | 22.3374 | 22.8557 | 6  | 28.308 | 27.805 | 39  | 0.649213 | 1 |
| Q9CQE3;D3Z198;D | 28S ribosomal protein S17, mitoch   | Mrps17         | 21.0382 | 20.8451 | 4  | 13.382 | 2.9623 | 11  | 0.845414 | 1 |
| Q9CQF3;A0A1D5R1 | Cleavage and polyadenylation spec   | Nudt21         | 23.3799 | 25.0652 | 9  | 26.24  | 29.761 | 65  | 0.377709 | 1 |
| Q9CQJ6;E9Q0G1   | Density-regulated protein           | Denr           | 21.7959 | 21.4525 | 3  | 22.166 | 5.8699 | 30  | 0.660299 | 1 |
| Q9CQJ8          | NADH dehydrogenase [ubiquinone      | Ndubf9         | 26.4395 | 24.535  | 10 | 21.984 | 97.672 | 270 | 0.430517 | 1 |
| Q9CQM5          | Thioredoxin domain-containing prc   | Txndc17        | 22.4873 | 23.4978 | 4  | 14.015 | 22.717 | 35  | 0.379789 | 1 |
| Q9CQM9;A0A1B0G  | Glutaredoxin-3                      | Glrx3          | 24.2143 | 24.0459 | 14 | 37.778 | 125.47 | 82  | 0.679937 | 1 |
| Q9CQR6;A0A0N4S\ | Serine/threonine-protein phosphat   | Ppp6c          | 23.18   | 23.9446 | 11 | 35.159 | 37.58  | 76  | 0.227152 | 1 |
| Q9CQS4;Q3TTH1   | Solute carrier family 25 member 4   | Slc25a46       | 23.4732 | 24.1818 | 10 | 46.224 | 181.92 | 41  | 0.410049 | 1 |
| Q9CQS8;E9PW43   | Protein transport protein Sec61 sul | Sec61b;Gm103   | 20.6532 | 21.7474 | 3  | 9.9583 | 4.5879 | 8   | 0.484459 | 1 |
| Q9CQV1          | Mitochondrial import inner memb     | Pam16          | 21.6244 | 20.6756 | 3  | 13.784 | 15.96  | 13  | 0.337239 | 1 |
| Q9CQW1          | Synaptobrevin homolog YKT6          | Ykt6           | 25.3679 | 23.5903 | 13 | 22.314 | 81.815 | 152 | 0.369116 | 1 |
| Q9DAB3;Q9CQW2;  | ADP-ribosylation factor-like protei | Arl8b          | 24.4923 | 22.8431 | 8  | 19.003 | 24.863 | 105 | 0.302539 | 1 |
| Q9CQX2;Q3TN44;C | Cytochrome b5 type B                | Cyb5b          | 26.9429 | 24.4724 | 7  | 16.318 | 156.74 | 228 | 0.378615 | 1 |
| Q9CQX8          | 28S ribosomal protein S36, mitoch   | Mrps36         | 25.0177 | 23.6587 | 4  | 11.101 | 37.682 | 46  | 0.53013  | 1 |
| Q9CQZ5          | NADH dehydrogenase [ubiquinone      | Ndufa6         | 27.0925 | 25.2943 | 7  | 15.283 | 42.376 | 153 | 0.39477  | 1 |
| Q9D6H6;Q9CQZ6   | NADH dehydrogenase [ubiquinone      | Ndubf3         | 24.959  | 25.209  | 5  | 11.691 | 23.101 | 62  | 0.007577 | 1 |
| Q9CR09;M0QWS4   | Ubiquitin-fold modifier-conjugatin  | Ufc1           | 24.556  | 22.8084 | 7  | 19.481 | 8.1987 | 60  | 0.368984 | 1 |
| Q9CR16;Q3UB60   | Peptidyl-prolyl cis-trans isomerase | Ppid           | 26.2796 | 26.0565 | 17 | 40.742 | 54.516 | 208 | 0.15029  | 1 |
| Q9CR26;Q3V4B3;F | Vacuolar protein sorting-associater | Vta1           | 23.7003 | 22.8273 | 8  | 33.913 | 20.662 | 44  | 0.430233 | 1 |
| Q9CWK0;Q9CR57;C | 60S ribosomal protein L14           | Rpl14;Rpl14-ps | 23.8773 | 25.031  | 4  | 26.316 | 15.242 | 100 | 0.241933 | 1 |
| Q9CR60          | Vesicle transport protein GOT1B     | Golt1b         | 21.2316 | 21.439  | 2  | 15.421 | 9.1108 | 15  | 0.438217 | 1 |
| Q9CR61          | NADH dehydrogenase [ubiquinone      | Ndubf7         | 26.8773 | 24.6066 | 14 | 16.331 | 101.43 | 300 | 0.389177 | 1 |
| Q9CR68          | Cytochrome b-c1 complex subunit     | Uqcrfs1        | 27.008  | 28.1817 | 17 | 29.367 | 172.11 | 411 | 0.373698 | 1 |
| Q9CRA5;Q3UWP6   | Golgi phosphoprotein 3              | Golph3         | 20.7724 | 21.3847 | 3  | 33.752 | 6.8938 | 14  | 0.565089 | 1 |
| Q9CRB6;Q1JPR8   | Tubulin polymerization-promoting    | Tppp3          | 25.3735 | 23.6169 | 8  | 18.965 | 35.456 | 83  | 0.25133  | 1 |
| Q9CRB9;Q91VG6   | MICOS complex subunit Mic19         | Chchd3         | 23.5673 | 25.3147 | 13 | 26.334 | 42.59  | 100 | 0.402814 | 1 |
| Q9CRD0;A0A0J9YU | OCIA domain-containing protein 1    | Ociad1         | 21.0743 | 23.1463 | 9  | 27.61  | 13.636 | 31  | 0.06275  | 1 |

|                  |                                      |         |         |         |    |        |        |     |          |   |
|------------------|--------------------------------------|---------|---------|---------|----|--------|--------|-----|----------|---|
| Q9CRY7           | Glycerophosphodiester phosphodi      | Gdpd1   | 21.4515 | 21.7312 | 7  | 35.866 | 13.533 | 21  | 0.706134 | 1 |
| Q9CS84;E0CY11    | Neurexin-1                           | Nrxn1   | 26.9839 | 27.1997 | 41 | 166.17 | 170.95 | 210 | 0.457291 | 1 |
| Q9CTY5;B7ZND1;A  | Calcium uptake protein 3, mitocho    | Micu3   | 22.5756 | 22.4527 | 7  | 59.809 | 10.945 | 27  | 0.90303  | 1 |
| Q9CU62;A0JLM6    | Structural maintenance of chromo     | Smc1a   | 21.9193 | 22.3911 | 4  | 143.23 | 3.7163 | 7   | 0.527096 | 1 |
| Q9CVB6;Q3UA52;C  | Actin-related protein 2/3 complex    | Arpc2   | 25.8101 | 28.5872 | 24 | 34.357 | 323.31 | 539 | 0.300948 | 1 |
| Q9CW07           | Protein phosphatase 1 regulatory s   | Ppp1r3g | 20.5284 | 20.7887 | 2  | 37.823 | 4.7779 | 12  | 0.793949 | 1 |
| Q9CWE0;D6RCX5;L  | Mitochondrial fission regulator 1-li | Mtfr1l  | 22.7656 | 22.6689 | 7  | 31.726 | 23.135 | 37  | 0.814745 | 1 |
| Q9CWJ9           | Bifunctional purine biosynthesis pr  | Atic    | 26.0627 | 26.3735 | 28 | 64.217 | 192.35 | 253 | 0.193899 | 1 |
| Q9CWS0;D3YU15;C  | N(G),N(G)-dimethylarginine dimetr    | Ddah1   | 27.6133 | 27.5742 | 24 | 31.381 | 323.31 | 540 | 0.822325 | 1 |
| Q9CWZ7;Q8C1T5;L  | Gamma-soluble NSF attachment pr      | Napg    | 27.3008 | 27.2625 | 20 | 34.732 | 251.14 | 312 | 0.857943 | 1 |
| Q9CX34           | Suppressor of G2 allele of SKP1 hor  | Sugt1   | 25.2388 | 25.1172 | 19 | 38.158 | 175.99 | 139 | 0.756243 | 1 |
| Q9CX86           | Heterogeneous nuclear ribonucleo     | Hnrnpa0 | 24.4881 | 25.6131 | 11 | 30.53  | 48.237 | 144 | 0.195953 | 1 |
| Q9CXI0           | 2-methoxy-6-polyprenyl-1,4-benzo     | Coq5    | 21.4423 | 21.5708 | 5  | 37.335 | 8.4124 | 11  | 0.871968 | 1 |
| Q9CXJ4           | ATP-binding cassette sub-family B    | Abcb8   | 22.5389 | 22.5148 | 6  | 77.999 | 12.662 | 10  | 0.967938 | 1 |
| Q9CXS4           | Centromere protein V                 | Cenpv   | 22.3644 | 23.7824 | 7  | 27.541 | 36.545 | 55  | 0.235152 | 1 |
| Q9CXT8;Q3TET5    | Mitochondrial-processing peptidas    | Pmpcb   | 22.1233 | 21.7786 | 9  | 54.614 | 43.694 | 23  | 0.774613 | 1 |
| Q9CXU4;Q9WTQ8;I  | Mitochondrial import inner memb      | Timm23  | 21.9547 | 20.9037 | 3  | 21.909 | 3.1474 | 7   | 0.14876  | 1 |
| Q9D6J9;Q9CXV1    | Succinate dehydrogenase [ubiquin     | Sdhd    | 22.4735 | 21.4797 | 2  | 17.009 | 2.9712 | 14  | 0.406883 | 1 |
| Q9CXW3;A0A0A6Y   | Calcyclin-binding protein            | Cacybp  | 24.4948 | 26.5805 | 14 | 26.51  | 212.46 | 156 | 0.35483  | 1 |
| Q9CY27;G3UWE1;C  | Very-long-chain enoyl-CoA reducta    | Tecr    | 25.6949 | 25.9623 | 10 | 36.09  | 30.188 | 82  | 0.599028 | 1 |
| Q9CY58;Q3UJK2;Q  | Plasminogen activator inhibitor 1    | RSerbp1 | 24.2547 | 24.3377 | 16 | 44.714 | 104.83 | 89  | 0.883433 | 1 |
| Q9CY64           | Biliverdin reductase A               | Blvra   | 23.7822 | 24.031  | 15 | 33.524 | 103.7  | 89  | 0.579382 | 1 |
| Q9CYG7           | Mitochondrial import receptor sub    | Tomm34  | 21.3385 | 21.8718 | 13 | 34.278 | 26.625 | 49  | 0.618241 | 1 |
| Q9CYI4;Q3TV90;A0 | Putative RNA-binding protein Luc7    | Luc7l   | 20.9935 | 21.2978 | 6  | 43.934 | 3.3883 | 10  | 0.493082 | 1 |
| Q9CYT6;Q8BKZ3;D  | Adenylyl cyclase-associated proteir  | Cap2    | 27.7923 | 27.8179 | 28 | 52.861 | 323.31 | 541 | 0.876259 | 1 |
| Q9CYW4           | Haloacid dehalogenase-like hydrok    | Hdhd3   | 22.7498 | 24.3689 | 11 | 28.027 | 43.309 | 60  | 0.318548 | 1 |
| Q9CZ04;D3Z440;D  | COP9 signalosome complex subuni      | Cops7a  | 24.0395 | 25.3244 | 11 | 30.224 | 79.973 | 105 | 0.333329 | 1 |
| Q9CZ30;Q3TJF2;Q3 | Obg-like ATPase 1                    | Ola1    | 26.0194 | 26.3269 | 24 | 44.729 | 186.68 | 302 | 0.355775 | 1 |
| Q9CZC8           | Secernin-1                           | Scrn1   | 26.9674 | 26.9304 | 23 | 46.325 | 312.19 | 396 | 0.861654 | 1 |
| Q9CZD3           | Glycine--tRNA ligase                 | Gars    | 25.4807 | 25.4577 | 19 | 81.877 | 111.12 | 115 | 0.915975 | 1 |
| Q9CZJ2           | Heat shock 70 kDa protein 12B        | Hspa12b | 22.5237 | 23.8416 | 8  | 76.118 | 9.1497 | 72  | 0.283483 | 1 |
| Q9CZP5           | Mitochondrial chaperone BCS1         | Bcs1l   | 22.43   | 22.9105 | 16 | 47.406 | 45.363 | 50  | 0.463854 | 1 |
| Q9CZR3;D3YXS8;Q  | Mitochondrial import receptor sub    | Tomm40l | 22.2237 | 22.3476 | 8  | 34.004 | 19.64  | 36  | 0.808837 | 1 |

|                 |                                      |           |         |         |    |        |        |      |          |   |
|-----------------|--------------------------------------|-----------|---------|---------|----|--------|--------|------|----------|---|
| Q9CZS1          | Aldehyde dehydrogenase X, mitochondr | Aldh1b1   | 22.9271 | 22.5953 | 12 | 57.552 | 22.928 | 36   | 0.172145 | 1 |
| Q9CZU6;Q0QEL9   | Citrate synthase, mitochondrial;     | Cit Cs    | 30.2231 | 30.3884 | 25 | 51.736 | 323.31 | 1470 | 0.406506 | 1 |
| Q9CZW4;E9PUC2   | Long-chain-fatty-acid--CoA ligase 3  | Acsl3     | 21.9    | 21.9388 | 5  | 80.491 | 25.807 | 17   | 0.9187   | 1 |
| Q9CZX0          | Elongator complex protein 3          | Elp3      | 21.7544 | 21.0936 | 5  | 62.384 | 9.5723 | 12   | 0.284603 | 1 |
| Q9D020          | Cytosolic 5-nucleotidase 3A          | Nt5c3a    | 22.7367 | 23.3359 | 11 | 37.252 | 24.25  | 40   | 0.419735 | 1 |
| Q9D023          | Mitochondrial pyruvate carrier 2     | Mpc2      | 26.2976 | 26.7086 | 5  | 14.286 | 22.09  | 118  | 0.469053 | 1 |
| Q9D051          | Pyruvate dehydrogenase E1 compo      | Pdhb      | 28.7861 | 28.8195 | 18 | 38.937 | 323.31 | 1185 | 0.70362  | 1 |
| Q9D0A3          | Arpin                                | Arpin     | 21.049  | 21.0741 | 3  | 25.193 | 4.4906 | 9    | 0.965225 | 1 |
| Q9D0E1;Q3THB3;Q | Heterogeneous nuclear ribonucleo     | Hnrnrm    | 25.3692 | 25.763  | 30 | 77.648 | 138.34 | 166  | 0.432276 | 1 |
| Q9D0I9;Q3TVC5;Q | Arginine--tRNA ligase, cytoplasmic   | Rars      | 24.571  | 24.6116 | 22 | 75.673 | 62.552 | 124  | 0.729747 | 1 |
| Q9D0J4          | ADP-ribosylation factor-like protei  | Arl2      | 24.7267 | 23.6639 | 3  | 20.864 | 5.9254 | 24   | 0.645073 | 1 |
| Q9D0K2;Q3UK61;C | Succinyl-CoA:3-ketoacid coenzyme     | Oxct1     | 28.2765 | 28.3216 | 23 | 55.988 | 323.31 | 826  | 0.667576 | 1 |
| Q9D0L7;D3Z5T2   | Armadillo repeat-containing protei   | Armc10    | 22.4358 | 23.6371 | 6  | 33.31  | 34.703 | 29   | 0.242799 | 1 |
| Q9D0L8          | mRNA cap guanine-N7 methyltrans      | Rnmt      | 21.3564 | 21.6652 | 7  | 53.291 | 16.764 | 19   | 0.764457 | 1 |
| Q9D0M3          | Cytochrome c1, heme protein, mit     | Cyc1      | 26.9919 | 28.7215 | 15 | 35.327 | 323.31 | 643  | 0.301229 | 1 |
| Q9D0M5;D6RIN4   | Dynein light chain 2, cytoplasmic    | Dynll2    | 27.3568 | 27.1705 | 8  | 10.35  | 64.823 | 272  | 0.466522 | 1 |
| Q9D0R2;Q3U630;C | Threonine--tRNA ligase, cytoplasmic  | Tars      | 22.5351 | 22.511  | 13 | 83.355 | 17.834 | 27   | 0.982397 | 1 |
| Q9D0T1          | NHP2-like protein 1;NHP2-like prot   | Nhp2l1    | 21.7277 | 21.8174 | 5  | 14.173 | 6.6022 | 18   | 0.930074 | 1 |
| Q9D164          | FXD domain-containing ion transp     | Fxyd6     | 26.4369 | 24.5819 | 6  | 10.374 | 150.88 | 188  | 0.403241 | 1 |
| Q9D172          | ES1 protein homolog, mitochondri     | D10Jhu81e | 25.1602 | 28.151  | 14 | 28.09  | 198.52 | 353  | 0.347597 | 1 |
| Q9D1A2;Q6KAT3;Q | Cytosolic non-specific dipeptidase   | Cndp2     | 26.0792 | 26.1959 | 30 | 52.767 | 163.71 | 267  | 0.688062 | 1 |
| Q9D1D4          | Transmembrane emp24 domain-cc        | Tmed10    | 24.4602 | 24.2857 | 6  | 24.911 | 20.98  | 72   | 0.678718 | 1 |
| Q9D1E6          | Tubulin-folding cofactor B           | Tbc1b     | 21.8174 | 24.1229 | 8  | 27.385 | 21.564 | 45   | 0.209351 | 1 |
| Q9D1K2;A0A0N4S\ | V-type proton ATPase subunit F       | Atp6v1f   | 23.8301 | 23.5299 | 8  | 13.37  | 60.638 | 57   | 0.8373   | 1 |
| Q9D1M0          | Protein SEC13 homolog                | Sec13     | 22.3219 | 22.2813 | 7  | 35.565 | 30.914 | 35   | 0.976969 | 1 |
| Q9D1M4          | Eukaryotic translation elongation f  | Eef1e1    | 23.8221 | 22.2357 | 4  | 19.859 | 7.2662 | 20   | 0.284713 | 1 |
| Q9D1N9          | 39S ribosomal protein L21, mitoch    | Mrpl21    | 20.6961 | 20.7506 | 3  | 23.366 | 4.2424 | 8    | 0.841582 | 1 |
| Q9D1P4          | Cysteine and histidine-rich domain   | Chordc1   | 23.6447 | 23.5592 | 11 | 37.35  | 31.211 | 47   | 0.573084 | 1 |
| Q9D1R9;A0A0G2JE | 60S ribosomal protein L34            | Rpl34     | 24.6654 | 23.8875 | 6  | 13.293 | 8.9677 | 36   | 0.559616 | 1 |
| Q9D289          | Trafficking protein particle comple  | Trappc6b  | 21.5261 | 21.0155 | 4  | 17.936 | 8.2255 | 13   | 0.663164 | 1 |
| Q9D2G2          | Dihydrolipoyllysine-residue succiny  | Dlst      | 27.1581 | 27.2972 | 12 | 48.994 | 190.55 | 453  | 0.383111 | 1 |
| Q9D2N9;Q80XK7   | Vacuolar protein sorting-associat    | Vps33a    | 22.4285 | 22.6475 | 11 | 67.554 | 20.708 | 43   | 0.365593 | 1 |
| Q9D2P8          | Myelin-associated oligodendrocyte    | Mobp      | 24.9681 | 24.778  | 5  | 19.197 | 17.32  | 64   | 0.86193  | 1 |

|                 |                                     |               |         |         |    |        |        |      |          |   |
|-----------------|-------------------------------------|---------------|---------|---------|----|--------|--------|------|----------|---|
| Q9D2V7          | Coronin-7                           | Coro7         | 24.1099 | 23.7082 | 12 | 100.81 | 33.674 | 31   | 0.300654 | 1 |
| Q9D328          | Transmembrane protein 35            | Tmem35        | 21.6967 | 21.2226 | 2  | 18.505 | 3.6647 | 10   | 0.393251 | 1 |
| Q9D379;E9PWK1;C | Epoxide hydrolase 1                 | Ephx1         | 22.3206 | 22.3447 | 12 | 52.576 | 20.007 | 34   | 0.980066 | 1 |
| Q9D394;A0A0G2JF | Protein RUFY3                       | Rufy3         | 25.9378 | 25.8824 | 23 | 53.006 | 286.41 | 193  | 0.73632  | 1 |
| Q9D3A9;A0A0U1RF | Protein tweety homolog 1            | Ttyh1         | 26.3373 | 26.4874 | 7  | 49.032 | 93.545 | 246  | 0.462314 | 1 |
| Q9D3D0;A2A5I7   | Alpha-tocopherol transfer protein-  | Ttpal         | 21.9304 | 21.8326 | 10 | 38.835 | 14.813 | 17   | 0.890202 | 1 |
| Q9D415;D3Z508;D | Disks large-associated protein 1    | Dlgap1        | 23.0994 | 23.6645 | 13 | 110.37 | 26.711 | 47   | 0.657403 | 1 |
| Q9D486;B2RY70   | C-Maf-inducing protein              | Cmip          | 21.512  | 21.1099 | 5  | 86.258 | 8.5979 | 13   | 0.604383 | 1 |
| Q9D4C9          | Clavesin-1                          | Clvs1         | 22.1064 | 22.0165 | 8  | 40.613 | 17.932 | 40   | 0.788856 | 1 |
| Q9D4H1;Q8K2J3   | Exocyst complex component 2         | Exoc2         | 22.4352 | 22.5368 | 10 | 103.96 | 16.133 | 23   | 0.918057 | 1 |
| Q9D517;Q3TXT9   | 1-acyl-sn-glycerol-3-phosphate acy  | Agpat3        | 23.0964 | 23.0703 | 9  | 43.295 | 12.787 | 33   | 0.985073 | 1 |
| Q9D5T0;Q9D9C1   | ATPase family AAA domain-contair    | Atad1         | 21.8922 | 22.4205 | 7  | 40.744 | 36.115 | 23   | 0.778689 | 1 |
| Q9D6D0;Q9CX10   | Solute carrier family 25, member 2  | Slc25a27      | 22.04   | 21.9991 | 10 | 35.797 | 47.098 | 29   | 0.976946 | 1 |
| Q9D6E4          | Tetratricopeptide repeat protein 9l | Ttc9b         | 20.9267 | 21.059  | 4  | 25.909 | 10.066 | 7    | 0.75705  | 1 |
| Q9D6F9          | Tubulin beta-4A chain               | Tubb4a        | 29.336  | 29.4539 | 35 | 49.585 | 323.31 | 1076 | 0.640826 | 1 |
| Q9D6J5;Q3V406;F | NADH dehydrogenase [ubiquinone      | Ndufb8        | 26.5846 | 25.8405 | 7  | 21.876 | 41.734 | 178  | 0.443846 | 1 |
| Q9D6J6;M0QWP9   | NADH dehydrogenase [ubiquinone      | Ndufv2        | 24.0031 | 25.3721 | 8  | 27.285 | 145.11 | 268  | 0.570023 | 1 |
| Q9D6K5;Q6Y642;Q | Synaptojanin-2-binding protein      | Synj2bp;Gm204 | 22.3243 | 22.5133 | 6  | 15.815 | 9.9499 | 17   | 0.815769 | 1 |
| Q9D6M3;E9PY45;E | Mitochondrial glutamate carrier 1   | Slc25a22      | 27.5091 | 28.2583 | 15 | 34.67  | 323.31 | 464  | 0.205741 | 1 |
| Q9D6R2          | Isocitrate dehydrogenase [NAD] su   | Idh3a         | 29.6579 | 29.7344 | 20 | 39.638 | 323.31 | 1016 | 0.65713  | 1 |
| Q9D6U8          | Protein FAM162A                     | Fam162a       | 25.2437 | 23.5543 | 8  | 17.725 | 24.098 | 63   | 0.490169 | 1 |
| Q9D7A8          | Armadillo repeat-containing protei  | Armc1         | 23.9132 | 23.8289 | 9  | 31.246 | 115.52 | 65   | 0.804991 | 1 |
| Q9D7I5          | Phospholysine phosphohistidine in   | Lhpp          | 22.5946 | 23.3608 | 5  | 29.144 | 26.07  | 30   | 0.604201 | 1 |
| Q9D7N9          | Adipocyte plasma membrane-asso      | Apmap         | 22.7809 | 23.7213 | 12 | 46.434 | 63.15  | 41   | 0.398213 | 1 |
| Q9D828;Q9Z1A1;Q | Trk-fused                           | Tfg           | 24.4015 | 24.0896 | 11 | 42.186 | 62.057 | 57   | 0.583482 | 1 |
| Q9D832          | DnaJ homolog subfamily B membe      | Dnajb4        | 21.7006 | 21.7023 | 7  | 37.781 | 13.612 | 20   | 0.998874 | 1 |
| Q9D880          | Mitochondrial import inner memb     | Timm50        | 23.357  | 23.6072 | 7  | 39.776 | 39.603 | 59   | 0.462789 | 1 |
| Q9D898          | Actin-related protein 2/3 complex   | Arpc5l        | 27.2787 | 24.6107 | 7  | 16.98  | 85.098 | 224  | 0.351779 | 1 |
| Q9D8B3          | Charged multivesicular body protei  | Chmp4b        | 20.1994 | 21.5826 | 6  | 24.936 | 9.9862 | 8    | 0.06987  | 1 |
| Q9D8S9          | BolA-like protein 1                 | Bola1         | 21.7629 | 21.0065 | 2  | 14.379 | 3.9659 | 7    | 0.358468 | 1 |
| Q9D8W5;B1AT36;C | 26S proteasome non-ATPase regul     | Psmc12        | 25.0569 | 24.8293 | 21 | 52.895 | 89.384 | 156  | 0.717315 | 1 |
| Q9D8W7;A0A0J9YL | OCIA domain-containing protein 2    | Ociad2        | 25.285  | 23.7053 | 10 | 16.925 | 20.49  | 88   | 0.321154 | 1 |
| Q9D8Y1          | Transmembrane protein 126A          | Tmem126a      | 21.798  | 20.9563 | 3  | 21.539 | 3.4927 | 8    | 0.378937 | 1 |

|                 |   |               |         |         |    |        |        |      |          |   |
|-----------------|---|---------------|---------|---------|----|--------|--------|------|----------|---|
| Q9D967          | Magnesium-dependent phosphatase                   | Mdp1          | 23.7907 | 22.313  | 5  | 18.582 | 9.243  | 46   | 0.408436 | 1 |
| Q9D9V3          | Ethylmalonyl-CoA decarboxylase                    | Echdc1        | 20.7599 | 22.2553 | 9  | 35.467 | 9.9721 | 11   | 0.153666 | 1 |
| Q9DAK9          | 14 kDa phosphohistidine phosphatase               | Phpt1         | 24.3226 | 22.6593 | 6  | 13.996 | 21.153 | 44   | 0.276726 | 1 |
| Q9DAR7;Q3TBW9   | m7GpppX diphosphatase                             | Dcps          | 23.4505 | 23.3221 | 12 | 38.988 | 44.902 | 84   | 0.58202  | 1 |
| Q9DAW9;A0A0G2J  | Calponin-3  | Cnn3          | 21.5744 | 21.6299 | 8  | 36.428 | 16.651 | 25   | 0.934492 | 1 |
| Q9DB05;Q9CXX1   | Alpha-soluble NSF attachment protein              | Napa          | 23.9466 | 26.4962 | 25 | 33.189 | 189.78 | 365  | 0.231827 | 1 |
| Q9DB20;Q3THG0;C | ATP synthase subunit O, mitochondrial             | Atp5o         | 29.5139 | 27.4518 | 15 | 23.363 | 266.52 | 699  | 0.318934 | 1 |
| Q9DB27          | Malignant T-cell-amplified sequence               | Mcts1         | 24.2262 | 22.0875 | 8  | 20.555 | 16.395 | 49   | 0.248002 | 1 |
| Q9DB29          | Isoamyl acetate-hydrolyzing esterase              | Iah1          | 20.8622 | 20.7541 | 4  | 27.974 | 4.6674 | 5    | 0.529531 | 1 |
| Q9DB32;D3YUS7;D | Hydroxyacylglutathione hydrolase                  | Haghl         | 21.8211 | 20.7707 | 4  | 31.49  | 10.32  | 13   | 0.211996 | 1 |
| Q9DB34;A0A1B0G1 | Charged multivesicular body protein               | Chmp2a        | 20.729  | 21.9909 | 3  | 25.134 | 3.7273 | 11   | 0.054827 | 1 |
| Q9DB41          | Mitochondrial glutamate carrier 2                 | Slc25a18      | 24.1432 | 23.5109 | 15 | 34.166 | 27.217 | 43   | 0.299861 | 1 |
| Q9DB60          | Prostamide/prostaglandin F synthase               | Fam213b       | 25.5826 | 23.4948 | 8  | 21.67  | 16.116 | 82   | 0.321078 | 1 |
| Q9DB72          | BTB/POZ domain-containing protein                 | Btbd17        | 20.8974 | 21.4122 | 4  | 52.602 | 3.701  | 21   | 0.377082 | 1 |
| Q9DB73;G3UZG6   | NADH-cytochrome b5 reductase 1                    | Cyb5r1        | 22.3199 | 23.9557 | 11 | 34.134 | 36.888 | 68   | 0.198988 | 1 |
| Q9DB77          | Cytochrome b-c1 complex subunit                   | Uqcrc2        | 29.6365 | 29.5405 | 24 | 48.234 | 323.31 | 1065 | 0.73706  | 1 |
| Q9DBC7;Q3TYK4;Q | cAMP-dependent protein kinase tyrosine            | Prkar1a       | 25.6611 | 25.8596 | 18 | 43.185 | 211.24 | 213  | 0.368858 | 1 |
| Q9DBE0          | Cysteine sulfinic acid decarboxylase              | Csad          | 19.9759 | 20.0867 | 3  | 55.144 | 5.2752 | 6    | 0.86717  | 1 |
| Q9DBE8          | Alpha-1,3/1,6-mannosyltransferase                 | Alg2          | 24.3217 | 24.324  | 13 | 47.404 | 38.066 | 66   | 0.994486 | 1 |
| Q9DBF1;G3UYR8   | Alpha-amino adipic semialdehyde dehydrogenase     | Aldh7a1       | 26.9396 | 26.8847 | 22 | 58.861 | 323.31 | 342  | 0.81529  | 1 |
| Q9DBH5          | Vesicular integral-membrane protein               | Lman2         | 21.7006 | 21.0925 | 7  | 40.429 | 13.223 | 22   | 0.368866 | 1 |
| Q9DBL1;Q3TMY2;E | Short/branched chain specific acyl-CoA synthetase | Acadsb        | 24.0196 | 23.675  | 14 | 47.874 | 54.527 | 52   | 0.159754 | 1 |
| Q9DBL7          | Bifunctional coenzyme A synthase                  | Coasy         | 21.3664 | 21.0132 | 5  | 62.022 | 9.7829 | 10   | 0.681802 | 1 |
| Q9DBP5;A0A0R4J0 | UMP-CMP kinase                                    | Cmpk1         | 26.2858 | 23.4958 | 12 | 22.165 | 53.039 | 251  | 0.325192 | 1 |
| Q9DBR7          | Protein phosphatase 1 regulatory subunit          | Ppp1r12a      | 23.4484 | 23.2009 | 7  | 114.99 | 12.844 | 14   | 0.817342 | 1 |
| Q9DBS2;B1AX95   | Tumor protein p63-regulated gene                  | Tprg1;Tprgl   | 23.5537 | 25.6058 | 14 | 29.814 | 125.2  | 191  | 0.252436 | 1 |
| Q9DC07          | LIM zinc-binding domain-containing protein        | Nabl          | 24.8742 | 25.747  | 17 | 31.113 | 70.456 | 112  | 0.329146 | 1 |
| Q9DC28;Q3UBT6;C | Casein kinase I isoform delta                     | Csnk1d;Csnk1e | 22.2265 | 22.6142 | 9  | 47.316 | 16.779 | 29   | 0.692547 | 1 |
| Q9DC51;Q3TJH1   | Guanine nucleotide-binding protein                | Gnai3         | 22.4275 | 22.5199 | 17 | 40.538 | 18.356 | 34   | 0.938193 | 1 |
| Q9DC61;Q3TY06;Q | Mitochondrial-processing peptidase                | Pmpca         | 24.2362 | 24.0337 | 17 | 58.278 | 65.235 | 72   | 0.562455 | 1 |
| Q9DC70          | NADH dehydrogenase [ubiquinone]                   | Ndufs7        | 26.9508 | 24.896  | 9  | 24.683 | 125.42 | 185  | 0.30427  | 1 |
| Q9DCC4          | Pyrroline-5-carboxylate reductase                 | Pycrl         | 22.0773 | 23.3449 | 6  | 28.721 | 26.578 | 32   | 0.389928 | 1 |
| Q9DCJ1          | Target of rapamycin complex subunit               | Mlst8         | 22.6446 | 22.2942 | 5  | 35.851 | 22.251 | 26   | 0.758261 | 1 |

|                  |  |         |         |    |        |        |      |          |   |
|------------------|--|---------|---------|----|--------|--------|------|----------|---|
| Q9DCJ5           | NADH dehydrogenase [ubiquinone Ndufa8          | 28.795  | 25.3006 | 12 | 19.992 | 89.699 | 309  | 0.31976  | 1 |
| Q9DCL9           | Multifunctional protein ADE2;Phos Paics        | 25.3503 | 25.4775 | 16 | 47.006 | 125.17 | 156  | 0.7269   | 1 |
| Q9DCM0           | Persulfide dioxygenase ETHE1, mit: Ethe1       | 22.4558 | 23.9318 | 9  | 27.738 | 20.172 | 65   | 0.364964 | 1 |
| Q9DCM2;A0A0N4S   | Glutathione S-transferase kappa 1 Gstk1        | 21.2357 | 21.7853 | 3  | 25.704 | 7.4825 | 20   | 0.661243 | 1 |
| Q9DCN2;Q9CY59;F  | NADH-cytochrome b5 reductase 3; Cyb5r3         | 23.6744 | 25.9752 | 15 | 34.127 | 153.81 | 213  | 0.313965 | 1 |
| Q9DCP2;A0A0A6YV  | Sodium-coupled neutral amino acid Slc38a3      | 24.7492 | 24.7891 | 5  | 55.591 | 29.267 | 49   | 0.909168 | 1 |
| Q9DCS3;A2A845    | Trans-2-enoyl-CoA reductase, mito Mecr         | 24.3578 | 24.1527 | 12 | 40.342 | 143.75 | 103  | 0.419221 | 1 |
| Q9DCS9;D3YUK4    | NADH dehydrogenase [ubiquinone Ndubf10         | 25.9064 | 25.0632 | 10 | 21.024 | 110.18 | 367  | 0.743963 | 1 |
| Q9DCT2           | NADH dehydrogenase [ubiquinone Ndufs3          | 25.5731 | 27.6274 | 18 | 30.149 | 222.84 | 624  | 0.39497  | 1 |
| Q9DCU6           | 39S ribosomal protein L4, mitochond Mrpl4      | 22.8264 | 22.0913 | 8  | 33.073 | 7.3348 | 11   | 0.663083 | 1 |
| Q9DCW4;A0A0U1R   | Electron transfer flavoprotein subu Etfb       | 24.4498 | 26.4999 | 16 | 27.623 | 112.57 | 301  | 0.350272 | 1 |
| Q9DCZ1;F6VY18    | GMP reductase 1 Gmpr                           | 22.5688 | 23.228  | 8  | 37.482 | 51.004 | 34   | 0.638547 | 1 |
| Q9DCZ4;Q3KNM9    | Apolipoprotein O Apoo                          | 26.376  | 25.6606 | 8  | 22.604 | 101.88 | 202  | 0.283711 | 1 |
| Q9DD18           | D-tyrosyl-tRNA(Tyr) deacylase 1 Dtd1           | 22.1396 | 24.3934 | 9  | 23.384 | 56.918 | 65   | 0.21727  | 1 |
| Q9EP69           | Phosphatidylinositide phosphatase Sacm1l       | 25.4423 | 25.7078 | 21 | 66.943 | 45.752 | 120  | 0.622155 | 1 |
| Q9EPE9;Q69Z96    | Manganese-transporting ATPase 1: Atp13a1;mKIAA | 21.8763 | 21.7885 | 6  | 132.39 | 5.7098 | 10   | 0.903038 | 1 |
| Q9EPK2           | Protein XRP2 Rp2                               | 22.6557 | 21.4243 | 6  | 39.376 | 6.7157 | 13   | 0.008131 | 1 |
| Q9EPK7;E9PUW7    | Exportin-7 Xpo7                                | 25.2849 | 25.0569 | 21 | 123.81 | 52.64  | 89   | 0.736046 | 1 |
| Q9EPL2           | Calsyntenin-1;Soluble Alc-alpha;CT Clstn1      | 22.7944 | 22.6738 | 7  | 108.9  | 27.7   | 15   | 0.928874 | 1 |
| Q9EPL8           | Importin-7 Ipo7                                | 26.2802 | 26.2714 | 24 | 119.49 | 172.62 | 237  | 0.989179 | 1 |
| Q9EPN1           | Neurobeachin Nbea                              | 27.7779 | 27.8377 | 75 | 326.74 | 323.31 | 495  | 0.691517 | 1 |
| Q9EPR4           | Solute carrier family 23 member 2 Slc23a2      | 23.4564 | 23.4431 | 7  | 70.048 | 31.565 | 24   | 0.958894 | 1 |
| Q9EPU0           | Regulator of nonsense transcripts 1 Upf1       | 25.2983 | 25.2232 | 22 | 123.97 | 46.296 | 72   | 0.880355 | 1 |
| Q9EQ06           | Estradiol 17-beta-dehydrogenase 1 Hsd17b11     | 22.0449 | 23.047  | 7  | 32.88  | 14.431 | 29   | 0.319233 | 1 |
| Q9EQ20;Q8K0L1    | Methylmalonate-semialdehyde de Aldh6a1         | 27.0939 | 26.9151 | 26 | 57.915 | 323.31 | 456  | 0.387545 | 1 |
| Q9EQ80;Q3V2R8;D  | NIF3-like protein 1 Nif3l1                     | 23.8107 | 23.7161 | 11 | 41.745 | 60.824 | 102  | 0.696709 | 1 |
| Q9EQF6           | Dihydropyrimidinase-related prote Dpysl5       | 28.2473 | 28.2687 | 31 | 61.516 | 323.31 | 489  | 0.937862 | 1 |
| Q9EQQ9;Q05CX1    | Protein O-GlcNAcase Mgea5                      | 24.4801 | 24.6439 | 16 | 103.16 | 53.198 | 61   | 0.853554 | 1 |
| Q9ER00;Q3TIL5;Q3 | Syntaxin-12 Stx12                              | 22.6978 | 24.9687 | 9  | 31.195 | 55.911 | 101  | 0.258545 | 1 |
| Q9ER35           | Fructosamine-3-kinase Fn3k                     | 22.5165 | 22.5089 | 7  | 35.032 | 14.764 | 22   | 0.99167  | 1 |
| Q9ER72;Q3U716;Q  | Cysteine--tRNA ligase, cytoplasmic Cars        | 24.2834 | 23.9083 | 22 | 94.859 | 79.299 | 56   | 0.484262 | 1 |
| Q9ERD7;Q9CRT0    | Tubulin beta-3 chain Tubb3                     | 30.2559 | 30.1021 | 28 | 50.418 | 323.31 | 2028 | 0.388586 | 1 |
| Q9ERI6;Q3UQM5;C  | Retinol dehydrogenase 14 Rdh14                 | 21.7902 | 22.0379 | 6  | 36.365 | 17.876 | 22   | 0.666647 | 1 |

|                  |   |            |         |         |     |        |        |      |          |   |
|------------------|---|------------|---------|---------|-----|--------|--------|------|----------|---|
| Q9ERK4;E9Q1T9;F6 | Exportin-2  | Cse1l      | 26.1699 | 26.1748 | 24  | 110.45 | 147.35 | 129  | 0.993959 | 1 |
| Q9ERL9           | Guanylate cyclase soluble subunit 3                           | Gucy1a3    | 21.8019 | 21.1056 | 5   | 77.587 | 12.259 | 12   | 0.301115 | 1 |
| Q9ERR1;Q9CZA6    | Nuclear distribution protein nudE-1                           | Ndel1;Nde1 | 21.1723 | 21.3072 | 4   | 38.365 | 8.7294 | 23   | 0.692414 | 1 |
| Q9ERS2           | NADH dehydrogenase [ubiquinone]                               | Ndufa13    | 26.6114 | 25.5372 | 11  | 16.859 | 60.945 | 345  | 0.587527 | 1 |
| Q9ERU9           | E3 SUMO-protein ligase RanBP2                                 | Ranbp2     | 22.2134 | 22.4884 | 6   | 341.12 | 6.6199 | 7    | 0.533336 | 1 |
| Q9ES28;A0A0R4J0  | Rho guanine nucleotide exchange factor                        | Arhgef7    | 24.1077 | 24.1632 | 22  | 97.055 | 44.306 | 60   | 0.907017 | 1 |
| Q9ES97;Q8C6L4    | Reticulon-3   | Rtn3       | 28.6077 | 28.3878 | 36  | 103.88 | 323.31 | 502  | 0.12251  | 1 |
| Q9ESJ4           | NCK-interacting protein with SH3 domain                       | Nckipsd    | 24.5145 | 24.5959 | 17  | 78.572 | 90.334 | 124  | 0.751332 | 1 |
| Q9ESW4           | Acylglycerol kinase, mitochondrial                            | Agk        | 25.2657 | 25.6061 | 17  | 46.975 | 196.35 | 220  | 0.420927 | 1 |
| Q9JHI5           | Isovaleryl-CoA dehydrogenase, mitochondrial                   | Ivd        | 25.2451 | 25.4321 | 18  | 46.325 | 267.03 | 101  | 0.727884 | 1 |
| Q9JHK4;Q3UIH7;Q5 | Geranylgeranyl transferase type-2                             | Rabggta    | 25.0377 | 25.1928 | 23  | 64.989 | 129.62 | 141  | 0.348198 | 1 |
| Q9JHS3           | Ragulator complex protein LAMTOR1                             | Lamtor2    | 21.0052 | 21.0043 | 5   | 13.48  | 4.097  | 7    | 0.998688 | 1 |
| Q9JHU4           | Cytoplasmic dynein 1 heavy chain 1                            | Dync1h1    | 31.6577 | 31.606  | 277 | 532.04 | 323.31 | 5150 | 0.778415 | 1 |
| Q9JHU9           | Inositol-3-phosphate synthase 1                               | Isyna1     | 23.9587 | 24.3699 | 13  | 60.931 | 45.048 | 82   | 0.383045 | 1 |
| Q9JHW2           | Omega-amidase NIT2  | Nit2       | 21.6194 | 23.0858 | 10  | 30.501 | 16.958 | 41   | 0.145049 | 1 |
| Q9JI90;G3XA54    | E3 ubiquitin-protein ligase RNF14                             | Rnf14      | 22.1218 | 22.0786 | 9   | 54.926 | 41.751 | 20   | 0.97215  | 1 |
| Q9JI91;Q8K3Q4;Q5 | Alpha-actinin-2   | Actn2      | 25.7233 | 25.7648 | 40  | 103.83 | 72.924 | 173  | 0.840458 | 1 |
| Q9JIA1;A0A0G2JGE | Leucine-rich glioma-inactivated protein 1                     | Lgi1       | 26.8522 | 27.0928 | 20  | 63.643 | 190.87 | 360  | 0.017628 | 1 |
| Q9JIF7           | Coatamer subunit beta   | Copb1      | 24.1983 | 24.2113 | 16  | 107.06 | 28.203 | 47   | 0.942622 | 1 |
| Q9JIG7           | Coiled-coil domain-containing protein                         | Ccdc22     | 22.657  | 22.454  | 11  | 70.843 | 23.71  | 24   | 0.186717 | 1 |
| Q9JIG8;A0A140LJ3 | PRA1 family protein 2   | Praf2      | 24.6126 | 24.3495 | 4   | 19.478 | 22.58  | 36   | 0.339139 | 1 |
| Q9JIK8;Q9WV85;Q5 | Nucleoside diphosphate kinase;Nucleoside diphosphate kinase 3 | Ndk3;Nme3  | 23.8329 | 22.371  | 4   | 18.852 | 14.715 | 19   | 0.101028 | 1 |
| Q9JIS5           | Synaptic vesicle glycoprotein 2A                              | Sv2a       | 29.7159 | 29.8605 | 21  | 82.646 | 323.31 | 667  | 0.743648 | 1 |
| Q9JIW9;Q8CCG5    | Ras-related protein Ral-B                                     | Ralb       | 20.7148 | 21.5306 | 10  | 23.349 | 5.7876 | 5    | 0.260919 | 1 |
| Q9JJ28           | Protein flightless-1 homolog                                  | Flii       | 22.4032 | 21.4605 | 5   | 144.8  | 10.645 | 8    | 0.429751 | 1 |
| Q9JJC6           | RILP-like protein 1   | Rilpl1     | 21.8975 | 21.8337 | 7   | 47.323 | 28.677 | 34   | 0.948704 | 1 |
| Q9JL8            | Serine--tRNA ligase, mitochondrial                            | Sars2      | 21.4772 | 21.8486 | 6   | 58.316 | 16.683 | 16   | 0.230689 | 1 |
| Q9JLR8;Q3UI08;D3 | Transmembrane protein 9B                                      | Tmem9b     | 23.516  | 21.8234 | 5   | 22.607 | 6.4173 | 22   | 0.254545 | 1 |
| Q9JLV2;D3YWS3    | Profilin-2;Profilin   | Pfn2       | 28.1383 | 25.8029 | 9   | 15.032 | 126.77 | 244  | 0.393452 | 1 |
| Q9JLV5;S4R247    | Voltage-dependent calcium channel                             | Cacng3     | 25.3119 | 25.225  | 8   | 35.515 | 77.899 | 78   | 0.875407 | 1 |
| Q9JJY3           | Sphingomyelin phosphodiesterase                               | Smpd3      | 21.1478 | 21.7525 | 6   | 71.196 | 7.7994 | 10   | 0.285769 | 1 |
| Q9JJZ2           | Tubulin alpha-8 chain   | Tuba8      | 22.2488 | 21.9877 | 21  | 50.051 | 13.991 | 32   | 0.685282 | 1 |
| Q9JK42           | [Pyruvate dehydrogenase (acetyl-transferring)]                | Pdk2       | 23.1365 | 23.9279 | 11  | 46.04  | 45.766 | 74   | 0.345284 | 1 |

|   |         |         |     |        |        |      |          |   |
|---|---------|---------|-----|--------|--------|------|----------|---|
| Q9JKB1;Q8BWQ9;E Ubiquitin carboxyl-terminal hydrolase 3;Uchl3;Uchl4   | 22.5199 | 24.4341 | 10  | 26.151 | 26.102 | 59   | 0.238283 | 1 |
| Q9JKC6 Cell cycle exit and neuronal differentiation 1;Cend1   | 29.5794 | 26.7106 | 12  | 14.987 | 323.31 | 150  | 0.25295  | 1 |
| Q9JKC8;H7BWW2;Q AP-3 complex subunit mu-1 Ap3m1   | 21.2073 | 21.0363 | 7   | 46.936 | 3.5066 | 5    | 0.594969 | 1 |
| Q9JKD3 Secretory carrier-associated membrane protein 5;Scamp5   | 25.8665 | 26.3723 | 4   | 26.068 | 15.177 | 200  | 0.474588 | 1 |
| Q9JJK7 Tropomodulin-2 Tmod2   | 27.2803 | 27.1201 | 22  | 39.51  | 323.31 | 390  | 0.41223  | 1 |
| Q9JKL4 NADH dehydrogenase [ubiquinone] 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100;Ndufaf3 | 21.8339 | 21.4049 | 5   | 20.733 | 5.6444 | 17   | 0.603117 | 1 |
| Q9JKR6;Q8VCI2 Hypoxia up-regulated protein 1 Hyou1  | 27.7028 | 27.6595 | 36  | 111.18 | 323.31 | 395  | 0.794869 | 1 |
| Q9JKX6;A0A0A6YV ADP-sugar pyrophosphatase Nudt5   | 20.7966 | 21.2373 | 5   | 23.984 | 5.5541 | 6    | 0.55304  | 1 |
| Q9JL04 Formin-2 Fmn2  | 23.4798 | 22.8569 | 7   | 167.38 | 24.915 | 17   | 0.413995 | 1 |
| Q9JL56;D3Z3E2 Glycerophosphodiester phosphodiesterase 1;Gde1  | 22.6927 | 23.24   | 5   | 37.629 | 7.0665 | 15   | 0.696729 | 1 |
| Q9JLI8 Squamous cell carcinoma antigen receptor 3;Sart3   | 22.7208 | 23.0543 | 13  | 109.62 | 13.079 | 17   | 0.294019 | 1 |
| Q9JLN9 Serine/threonine-protein kinase mTOR;Mtor  | 25.6934 | 25.54   | 44  | 288.79 | 202.72 | 130  | 0.662435 | 1 |
| Q9JLR1;Q9CYJ6 Protein transport protein Sec61 subunit 2;Sec61a2   | 22.263  | 22.5877 | 5   | 52.247 | 12.229 | 10   | 0.842616 | 1 |
| Q9JM13 Rab5 GDP/GTP exchange factor Rabgef1   | 21.1691 | 20.0235 | 4   | 56.868 | 6.3769 | 7    | 0.255004 | 1 |
| Q9JM14;A2A9X5 5(3)-deoxyribonucleotidase, cytosolic;Nt5c  | 23.5403 | 24.7134 | 7   | 23.076 | 38.664 | 97   | 0.673577 | 1 |
| Q9JM52;F7AMS7;C Misshapen-like kinase 1 Mink1   | 26.2104 | 26.2612 | 26  | 147.29 | 66.072 | 157  | 0.816778 | 1 |
| Q9JM76;H7BWZ3;A Actin-related protein 2/3 complex subunit 3;Arpc3   | 27.763  | 25.2495 | 9   | 20.524 | 44.22  | 326  | 0.341184 | 1 |
| Q9JMC3;Q8R1X2 DnaJ homolog subfamily A member 4;Dnaja4  | 22.5895 | 22.8815 | 8   | 44.901 | 16.484 | 31   | 0.22668  | 1 |
| Q9JME5 AP-3 complex subunit beta-2 Ap3b2  | 26.9218 | 26.6293 | 36  | 119.19 | 126.51 | 288  | 0.426031 | 1 |
| Q9JME7 Trafficking protein particle complex 2;Trappc2l1   | 21.6277 | 21.423  | 4   | 16.018 | 4.2176 | 10   | 0.439993 | 1 |
| Q9JMF3 Guanine nucleotide-binding protein gamma 13;Gng13  | 22.1386 | 20.4634 | 3   | 7.9793 | 3.4612 | 4    | 0.094752 | 1 |
| Q9JMH6;Q91Y95 Thioredoxin reductase 1, cytoplasmic;Txnrd1   | 25.2615 | 25.0797 | 16  | 67.083 | 158.32 | 142  | 0.232018 | 1 |
| Q9QUM9;E0CXB1 Proteasome subunit alpha type-6 Psma6   | 24.2442 | 26.5271 | 12  | 27.372 | 86.641 | 249  | 0.319567 | 1 |
| Q9QUP5 Hyaluronan and proteoglycan link protein 1;Hapln1  | 26.3953 | 26.2223 | 19  | 40.477 | 226.09 | 213  | 0.72073  | 1 |
| Q9QWW1;E9Q4F9;Homer protein homolog 2 Homer2  | 22.1568 | 21.6219 | 7   | 40.57  | 7.135  | 26   | 0.483621 | 1 |
| Q9QX52;Q9R0A0 Peroxisomal membrane protein PE14;Pex14   | 22.0907 | 21.3068 | 4   | 31.618 | 40.496 | 11   | 0.545104 | 1 |
| Q9QXB9 Developmentally-regulated GTP-binding protein 2;Drg2   | 22.6199 | 23.2207 | 10  | 40.718 | 30.197 | 58   | 0.076947 | 1 |
| Q9QXK3 Coatamer subunit gamma-2 Copg2   | 21.9943 | 21.6589 | 9   | 97.679 | 16.591 | 23   | 0.805998 | 1 |
| Q9QXS1;Q6S388;Q Plectin Plec  | 30.6198 | 30.5832 | 245 | 534.18 | 323.31 | 2440 | 0.885538 | 1 |
| Q9QXS6;Q3TRK3;A Drebrin Dbn1  | 28.1367 | 28.2025 | 31  | 77.286 | 323.31 | 558  | 0.876868 | 1 |
| Q9QXT0 Protein canopy homolog 2 Cnpy2   | 22.7738 | 21.3829 | 3   | 20.767 | 3.3701 | 7    | 0.242854 | 1 |
| Q9QXV0 ProSAAS;KEP;Big SAAS;Little SAAS;IPCSK1n;Pcsk1n  | 22.1809 | 20.4234 | 4   | 27.27  | 7.6567 | 12   | 0.074127 | 1 |
| Q9QXW9 Large neutral amino acid transporter 8;Slc7a8  | 24.0555 | 24.3295 | 5   | 57.872 | 5.5673 | 42   | 0.599746 | 1 |

|                  |                                       |              |         |         |     |        |        |      |          |   |
|------------------|---------------------------------------|--------------|---------|---------|-----|--------|--------|------|----------|---|
| Q9QXY6;Q8R0V6    | EH domain-containing protein 3        | Ehd3         | 27.5999 | 27.6599 | 37  | 60.82  | 323.31 | 461  | 0.594221 | 1 |
| Q9QYA2;Q3UQD0    | Mitochondrial import receptor sub     | Tomm40       | 23.2942 | 23.4777 | 12  | 37.895 | 30.332 | 50   | 0.773216 | 1 |
| Q9QYB8;Q8C0Y2    | Beta-adducin                          | Add2         | 27.8596 | 27.5951 | 30  | 80.641 | 323.31 | 377  | 0.497365 | 1 |
| Q9R1R9;Q9R1R8;Q  | Retinol dehydrogenase 11              | Rdh11;Ube-1c | 20.5973 | 20.9261 | 3   | 32.442 | 8.1669 | 11   | 0.601406 | 1 |
| Q9QYG0           | Protein NDRG2                         | Ndrg2        | 28.3973 | 28.5308 | 16  | 40.789 | 323.31 | 676  | 0.142656 | 1 |
| Q9QYJ0           | DnaJ homolog subfamily A membe        | Dnaja2       | 20.923  | 21.5661 | 17  | 45.745 | 17.397 | 23   | 0.183885 | 1 |
| Q9QYR9;Q6P2K2    | Acyl-coenzyme A thioesterase 2, m     | Acot2        | 23.65   | 23.8661 | 15  | 49.656 | 74.209 | 48   | 0.509962 | 1 |
| Q9QYS2           | Metabotropic glutamate receptor       | Grm3         | 27.3326 | 27.4378 | 21  | 99.113 | 158.09 | 303  | 0.626725 | 1 |
| Q9QYX7           | Protein piccolo                       | Pclo         | 29.1033 | 29.0849 | 129 | 550.83 | 323.31 | 854  | 0.93839  | 1 |
| Q9QZ06;Q8BQL7;F  | Toll-interacting protein              | Tollip       | 24.192  | 25.403  | 11  | 30.345 | 72.259 | 194  | 0.358056 | 1 |
| Q9QZ83           | Gamma actin-like protein              | Actg1        | 29.0713 | 29.0611 | 25  | 43.6   | 323.31 | 1315 | 0.983043 | 1 |
| Q9QZB7           | Actin-related protein 10              | Actr10       | 24.6262 | 24.6416 | 18  | 46.207 | 106.61 | 115  | 0.926861 | 1 |
| Q9QZD9;Q3T9Y8    | Eukaryotic translation initiation fac | Eif3i        | 23.6105 | 24.3825 | 10  | 36.46  | 106.51 | 74   | 0.234207 | 1 |
| Q9QZE5           | Coatomer subunit gamma-1              | Copg1        | 20.9594 | 20.9841 | 7   | 97.512 | 5.6125 | 8    | 0.960044 | 1 |
| Q9QZM0           | Ubiquilin-2                           | Ubqln2       | 25.1183 | 25.279  | 11  | 67.35  | 135.91 | 112  | 0.51637  | 1 |
| Q9QZQ8;Q8CA90    | Core histone macro-H2A.1;Histone      | H2afy        | 25.4025 | 25.3217 | 12  | 39.735 | 60.941 | 150  | 0.867294 | 1 |
| Q9QZX7           | Serine racemase                       | Srr          | 26.2493 | 26.2883 | 10  | 36.358 | 264.51 | 257  | 0.733661 | 1 |
| Q9R0D8;D3Z394    | WD repeat-containing protein 54       | Wdr54        | 22.9492 | 22.7013 | 7   | 35.612 | 24.219 | 25   | 0.198649 | 1 |
| Q9R0N7           | Synaptotagmin-7                       | Syt7         | 23.5415 | 23.5877 | 7   | 45.472 | 22.561 | 60   | 0.705153 | 1 |
| Q9R0P9;Q3TCH2;I7 | Ubiquitin carboxyl-terminal hydrol    | Uchl1        | 26.4683 | 29.1617 | 17  | 24.838 | 323.31 | 486  | 0.379905 | 1 |
| Q9R0Q6;A0A0G2JF  | Actin-related protein 2/3 complex     | Arpc1a       | 28.0419 | 27.969  | 25  | 41.626 | 308.05 | 568  | 0.647821 | 1 |
| Q9R0X4;Q32MW3    | Acyl-coenzyme A thioesterase 9, m     | Acot9;Acot10 | 24.2736 | 24.7168 | 18  | 50.56  | 133.83 | 155  | 0.474526 | 1 |
| Q9R0Y5           | Adenylate kinase isoenzyme 1          | Ak1          | 28.939  | 25.8308 | 15  | 21.539 | 282.98 | 406  | 0.322466 | 1 |
| Q9R118           | Serine protease HTRA1                 | Htra1        | 20.9797 | 21.5267 | 4   | 51.213 | 6.0292 | 24   | 0.067844 | 1 |
| Q9R1C6;F2Z490;Q8 | Diacylglycerol kinase epsilon         | Dgke         | 22.5004 | 22.7344 | 4   | 63.634 | 10.51  | 28   | 0.829324 | 1 |
| Q9R1P0;Q3TL95;Q  | Proteasome subunit alpha type-4;F     | Psma4        | 24.1903 | 25.8243 | 15  | 29.47  | 77.013 | 187  | 0.279218 | 1 |
| Q9R1P3;Q8BJX0    | Proteasome subunit beta type-2;Pr     | Psmb2        | 26.1376 | 23.424  | 14  | 22.906 | 52.315 | 175  | 0.235415 | 1 |
| Q9R1Q8;Q9D6K2    | Transgelin-3;Transgelin               | Tagln3       | 28.4785 | 25.2991 | 17  | 22.47  | 138.47 | 607  | 0.303273 | 1 |
| Q9R1T2           | SUMO-activating enzyme subunit 1      | Sae1         | 23.8743 | 24.2438 | 15  | 38.62  | 91.719 | 78   | 0.596008 | 1 |
| Q9R1T4;Q3UUU4    | Septin-6                              | Sept6        | 28.6058 | 28.4463 | 29  | 49.619 | 323.31 | 808  | 0.505055 | 1 |
| Q9WTL7           | Acyl-protein thioesterase 2           | Lypla2       | 23.0374 | 24.1883 | 9   | 24.794 | 34.658 | 96   | 0.558542 | 1 |
| Q9WTP6           | Adenylate kinase 2, mitochondrial;    | Ak2          | 22.0715 | 23.724  | 6   | 26.468 | 38.513 | 26   | 0.29215  | 1 |
| Q9WTP7;Q9D8W6    | GTP:AMP phosphotransferase AK3,       | Ak3          | 24.4517 | 26.0504 | 16  | 25.426 | 64.289 | 207  | 0.390343 | 1 |

|                  |   |         |         |    |        |        |      |          |   |
|------------------|---|---------|---------|----|--------|--------|------|----------|---|
| Q9WTR1           | Transient receptor potential cation Trpv2           | 22.607  | 22.2493 | 6  | 85.964 | 7.5393 | 12   | 0.69729  | 1 |
| Q9WTX2           | Interferon-inducible double-strand Prkra            | 20.5716 | 20.3277 | 4  | 34.371 | 7.9992 | 7    | 0.698642 | 1 |
| Q9WU79;A0A0R4J1  | Proline dehydrogenase 1, mitochondr Prodh           | 23.2151 | 23.3998 | 9  | 68.035 | 69.197 | 50   | 0.50228  | 1 |
| Q9WUA3;Q8C605    | ATP-dependent 6-phosphofructoki Pfkp                | 28.787  | 28.7923 | 39 | 85.454 | 323.31 | 1203 | 0.954121 | 1 |
| Q9WUB3;E9PUM3    | Glycogen phosphorylase, muscle fc Pygm              | 26.5582 | 26.7568 | 43 | 97.285 | 142.13 | 350  | 0.441815 | 1 |
| Q9WUD1;Q3TYJ0    | STIP1 homology and U box-contain Stub1              | 22.5026 | 23.0542 | 14 | 34.909 | 35.049 | 40   | 0.702304 | 1 |
| Q9WUM5           | Succinyl-CoA ligase [ADP/GDP-form Suclg1            | 27.7698 | 27.6754 | 14 | 36.154 | 323.31 | 353  | 0.573033 | 1 |
| Q9WUP7;A0A087M1  | Ubiquitin carboxyl-terminal hydroly Uchl5           | 22.6256 | 22.8999 | 8  | 37.616 | 14.392 | 43   | 0.319962 | 1 |
| Q9WV18;Q8CAF8    | Gamma-aminobutyric acid type B r Gabbr1             | 25.6637 | 25.7975 | 19 | 108.21 | 70.554 | 103  | 0.234652 | 1 |
| Q9WV34           | MAGUK p55 subfamily member 2 Mpp2                   | 27.3836 | 27.3278 | 30 | 61.554 | 323.31 | 375  | 0.73769  | 1 |
| Q9WV55           | Vesicle-associated membrane prot Vapa               | 26.183  | 27.6732 | 15 | 27.855 | 150.53 | 278  | 0.361135 | 1 |
| Q9WV69;Q3UEW2    | Dematin Dmtn  | 25.5618 | 25.2506 | 12 | 45.468 | 49.434 | 149  | 0.193026 | 1 |
| Q9WV92;A7YY80;B1 | Band 4.1-like protein 3;Band 4.1-lik Epb41l3;Epb4.1 | 29.75   | 29.671  | 56 | 103.34 | 323.31 | 1333 | 0.767412 | 1 |
| Q9WVA4           | Transgelin-2 Tagln2                                 | 23.1812 | 22.6601 | 9  | 22.395 | 13.644 | 29   | 0.55207  | 1 |
| Q9WVL0;Q9JJA0    | Maleylacetoacetate isomerase Gstz1                  | 23.5273 | 25.1895 | 8  | 24.275 | 75.772 | 91   | 0.342165 | 1 |
| Q9WVQ5           | Methylthioribulose-1-phosphate de Apip              | 20.5276 | 20.1723 | 2  | 26.949 | 3.1385 | 5    | 0.635523 | 1 |
| Q9Z0E0           | Neurochondrin Ncdn                                  | 29.2801 | 29.3265 | 34 | 78.894 | 323.31 | 1415 | 0.784512 | 1 |
| Q9Z0G0           | PDZ domain-containing protein GIF Gipc1             | 23.9024 | 23.948  | 12 | 36.129 | 42.677 | 42   | 0.674574 | 1 |
| Q9Z0H8;Q6A090    | CAP-Gly domain-containing linker Ꞥ Clip2;mKIAA025   | 25.7471 | 24.866  | 33 | 115.91 | 51.679 | 71   | 0.321258 | 1 |
| Q9Z0P4;Q6ZQE7;Q1 | Paralemmin-1 Palm                                   | 25.8377 | 25.8785 | 14 | 41.614 | 213.23 | 244  | 0.846511 | 1 |
| Q9Z0P5           | Twinfilin-2 Twf2                                    | 25.8205 | 25.7956 | 17 | 39.47  | 268.1  | 255  | 0.839968 | 1 |
| Q9Z0V2           | Potassium voltage-gated channel s Kcnd2             | 24.5449 | 24.983  | 8  | 70.576 | 20.422 | 55   | 0.038044 | 1 |
| Q9Z0Y1;E9Q919    | Dynactin subunit 3 Dctn3                            | 25.8699 | 24.263  | 11 | 20.978 | 33.7   | 84   | 0.373465 | 1 |
| Q9Z140;Q3UYN2;Q1 | Copine-6 Cpne6                                      | 26.9698 | 26.927  | 26 | 61.78  | 130.33 | 361  | 0.900199 | 1 |
| Q9Z1B3;Q2M4J2;Q1 | 1-phosphatidylinositol 4,5-bisphosꞤ Plcb1;mKIAA05   | 29.4898 | 29.3761 | 71 | 138.39 | 323.31 | 1128 | 0.505556 | 1 |
| Q9Z1F9           | SUMO-activating enzyme subunit 2 Uba2               | 23.5537 | 23.638  | 14 | 70.568 | 53.491 | 43   | 0.910666 | 1 |
| Q9Z1G3;Q3TG21;Q1 | V-type proton ATPase subunit C 1 Atp6v1c1           | 28.4549 | 28.5157 | 36 | 43.887 | 323.31 | 936  | 0.464499 | 1 |
| Q9Z1L5           | Voltage-dependent calcium channꞤ Cacna2d3           | 25.1129 | 25.1463 | 18 | 122.78 | 88.39  | 52   | 0.930333 | 1 |
| Q9Z1N5;Q3TB18;Q1 | Spliceosome RNA helicase Ddx39b;Ddx39b;Ddx39;       | 25.9384 | 25.935  | 20 | 49.035 | 143.25 | 348  | 0.987018 | 1 |
| Q9Z1P6;A0A068BG1 | NADH dehydrogenase [ubiquinone Ndufa7               | 26.3539 | 24.306  | 13 | 12.575 | 39.905 | 100  | 0.372787 | 1 |
| Q9Z1Q2           | Abhydrolase domain-containing pr Abhd16a            | 20.4272 | 22.6733 | 7  | 63.085 | 7.542  | 9    | 0.078047 | 1 |
| Q9Z1S5;Q5DTK0    | Neuronal-specific septin-3 Sep-03                   | 28.1846 | 28.2039 | 18 | 40.037 | 323.31 | 364  | 0.891983 | 1 |
| Q9Z1X4           | Interleukin enhancer-binding facto Ilf3             | 20.4141 | 21.3088 | 14 | 96.02  | 32.135 | 26   | 0.551776 | 1 |

|                   |   |         |         |         |     |        |        |      |          |   |
|-------------------|---|---------|---------|---------|-----|--------|--------|------|----------|---|
| Q9Z1Z0            | General vesicular transport factor $\rho$ | Uso1    | 24.054  | 24.1408 | 16  | 106.98 | 32.289 | 43   | 0.855281 | 1 |
| Q9Z266;V9GXI0;V9  | SNARE-associated protein                  | Snapin  | 21.5323 | 20.4958 | 2   | 14.904 | 7.2812 | 3    | 0.18274  | 1 |
| Q9Z268            | RasGAP-activating-like protein 1          | Rasal1  | 26.3808 | 26.3827 | 34  | 89.394 | 226.62 | 295  | 0.992936 | 1 |
| Q9Z2C4;I7HJQ9;Q8  | Myotubularin-related protein 1            | Mtmr1   | 23.2783 | 22.6062 | 12  | 75.313 | 31.392 | 32   | 0.407409 | 1 |
| Q9Z2D6            | Methyl-CpG-binding protein 2              | Mecp2   | 24.9235 | 24.7702 | 14  | 52.307 | 65.565 | 78   | 0.613777 | 1 |
| Q9Z2I0            | LETM1 and EF-hand domain-contai           | Letm1   | 26.8472 | 27.1251 | 32  | 82.988 | 323.31 | 361  | 0.57847  | 1 |
| Q9Z2I8;C6EQH3     | Succinyl-CoA ligase [GDP-forming]         | Suclg2  | 22.6912 | 23.5961 | 11  | 46.839 | 37.748 | 55   | 0.340132 | 1 |
| Q9Z2Q6;B7ZNM7;C   | Septin-5                                  | Sept5   | 29.308  | 29.2944 | 28  | 42.747 | 323.31 | 1053 | 0.895767 | 1 |
| Q9Z2X1;J3QM80;J3  | Heterogeneous nuclear ribonucleo          | Hnrnpf  | 23.7727 | 23.2422 | 10  | 45.729 | 50.949 | 40   | 0.550476 | 1 |
| Q9Z2Y3;D3Z6A7;E9  | Homer protein homolog 1                   | Homer1  | 27.5458 | 27.5322 | 28  | 41.412 | 323.31 | 393  | 0.944197 | 1 |
| S4R1C4;Q6DIB8     | Calcium-transporting ATPase               | Atp2b2  | 22.0663 | 22.7469 | 59  | 127.3  | 5.1467 | 9    | 0.647859 | 1 |
| S4R1P5;Q91ZU6;E9  | Dystonin                                  | Dst     | 25.2692 | 25.3082 | 38  | 870.52 | 70.18  | 54   | 0.854344 | 1 |
| S4R1Q0;S4R2I2;S4F | Ankyrin repeat and sterile alpha m        | Anks1b  | 25.7443 | 25.5938 | 19  | 55.078 | 52.856 | 219  | 0.358851 | 1 |
| S4R2F3            | Ankyrin-2                                 | Ank2    | 30.4126 | 30.3167 | 147 | 429.1  | 323.31 | 2223 | 0.595838 | 1 |
| S4R2R5            | Ankyrin-2                                 | Ank2    | 21.8794 | 21.2548 | 144 | 426.43 | 5.5497 | 6    | 0.410225 | 1 |
| V9GWW1;V9GXM1;    | ADP-ribosylation factor GTPase-act        | Arfgap1 | 24.9937 | 24.8656 | 13  | 44.207 | 95.09  | 182  | 0.580593 | 1 |
| V9GX34;Q571B7     | MKIAA1884 protein                         | Csmd2   | 22.2214 | 22.1615 | 6   | 392.47 | 6.3808 | 7    | 0.95686  | 1 |
| V9GZG5            | Glutamine synthetase                      |         | 23.6359 | 23.9565 | 13  | 42.018 | 86.696 | 127  | 0.82694  | 1 |
| W6PPR4;W6PPA1;S   | Ankyrin-3                                 | Ank3    | 25.854  | 25.6277 | 43  | 473.78 | 65.425 | 125  | 0.477195 | 1 |

### Striatum

|                                  |                                       |               |         |         |    |        |        |     |          |   |
|----------------------------------|---------------------------------------|---------------|---------|---------|----|--------|--------|-----|----------|---|
| A0A068BEQ2;P501                  | Estradiol 17-beta-dehydrogenase 8     | H2-Ke6;Hsd17b | 24.8097 | 24.9515 | 6  | 26.587 | 53.858 | 15  | 0.928108 | 1 |
| Q78ZJ8;A0A068BFF                 | Ras-related protein Rab-11B;Ras-re    | Rab11b;Rab11a | 29.8002 | 30.0221 | 14 | 24.489 | 137.59 | 324 | 0.633307 | 1 |
| Q7JCZ1;A0A075DC                  | Cytochrome c oxidase subunit 2        | mt-Co2;COX2;N | 29.8915 | 30.1268 | 6  | 25.976 | 103.81 | 424 | 0.80161  | 1 |
| Q7JCX7;Q7JCA9;G3                 | Cytochrome c oxidase subunit 3        | mt-Co3;COX3;C | 26.243  | 26.3885 | 1  | 29.922 | 4.5708 | 14  | 0.943551 | 1 |
| A0A076FSX1;A0A0                  | Solute carrier family 12 member 5     | Slc12a5       | 29.2876 | 29.453  | 31 | 123.59 | 280.73 | 390 | 0.826976 | 1 |
| A0A087WPE4;A0A                   | Transcription elongation factor B p   | Tceb1         | 24.9479 | 25.0257 | 3  | 5.4431 | 8.0704 | 18  | 0.957882 | 1 |
| A0A087WNV1;A0A                   | Arf-GAP domain and FG repeat-cor      | Agfg1         | 25.5683 | 25.558  | 6  | 53.974 | 25.479 | 19  | 0.982629 | 1 |
| E9Q6L0;B2RY22;J3                 | CLIP-associating protein 1            | Clasp1        | 24.0396 | 24.3262 | 9  | 160.23 | 13.61  | 7   | 0.856845 | 1 |
| Q3TYE5;A0A087WF                  | Limbic system-associated membrai      | Lsamp         | 30.0695 | 30.088  | 16 | 37.31  | 323.31 | 304 | 0.943208 | 1 |
| A0A087WPL5;E9Q                   | ATP-dependent RNA helicase A          | Dhx9          | 27.161  | 27.264  | 22 | 149.62 | 77.644 | 91  | 0.675995 | 1 |
| A0A087WPP8;Q6A                   | Abl interactor 2                      | Abi2          | 27.4585 | 27.4667 | 13 | 52.482 | 70.507 | 89  | 0.969899 | 1 |
| A0A087WPX3;A0A087WR56;A0A087WNW2 |                                       | Nfasc         | 30.3998 | 30.3196 | 42 | 150.36 | 323.31 | 457 | 0.669334 | 1 |
| Q6P5H4;E9QAN4;C                  | Kinesin-like protein;Kinesin-like prc | Kif1a         | 26.0191 | 26.11   | 15 | 190.99 | 40.902 | 24  | 0.479132 | 1 |

|  |                 |         |         |    |        |        |      |          |          |
|--|-----------------|---------|---------|----|--------|--------|------|----------|----------|
| AOA087WRE5;Q6P: U8 snoRNA-decapping enzyme           | Nudt16          | 24.3602 | 23.5358 | 4  | 21.248 | 11.693 | 8    | 0.105023 | 1        |
| AOA087WSS1;E9QM LisH domain and HEAT repeat-cont     | 2310035C23Rik   | 26.784  | 26.0795 | 20 | 131.87 | 107.59 | 39   | 0.422641 | 1        |
| AOA0A0MQ88;Q8B Cytoplasmic phosphatidylinositol t    | Pitpnc1         | 24.0317 | 24.8323 | 4  | 35.581 | 47.222 | 17   | 0.153507 | 1        |
| AOA0R4J0X5;AOA0/ Alpha-1-antitrypsin 1-3;Alpha-1-an  | Serpina1a;Serpi | 26.6901 | 25.5985 | 10 | 45.854 | 134.8  | 61   | 0.389311 | 1        |
| AOA0A0MQD5;Q4A SH3 and multiple ankyrin repeat dc    | Shank3          | 28.1235 | 28.194  | 31 | 192.22 | 149.31 | 117  | 0.746573 | 1        |
| AOA0A0MQM0;P6E Eukaryotic translation initiation fac | Eif5a;Eif5a2    | 26.497  | 26.9752 | 10 | 16.302 | 177.85 | 72   | 0.76832  | 1        |
| AOA0A1HAM8;P26/ Myristoylated alanine-rich C-kinase  | Marcks          | 28.6128 | 28.7435 | 8  | 29.721 | 103.46 | 71   | 0.650542 | 1        |
| Q80XD3;AOA0A6YV Regulator of G-protein signaling 7   | Rgs7            | 27.5344 | 27.7291 | 14 | 55.014 | 114.92 | 106  | 0.510553 | 1        |
| AOA0A6YX33;AOA0 Serine/threonine-protein kinase D    | Dclk2           | 24.9398 | 24.9338 | 10 | 64.926 | 49.504 | 18   | 0.990295 | 1        |
| AOA0A6YWM5;E9C Rab3 GTPase-activating protein no     | Rab3gap2        | 25.3075 | 23.5554 | 10 | 152.54 | 55.482 | 16   | 0.236613 | 1        |
| AOA0A6YX18;Q8BV V-type proton ATPase subunit H       | Atp6v1h         | 29.8517 | 29.7927 | 26 | 54.108 | 323.31 | 386  | 0.894994 | 1        |
| Q9CY93;Q5M9K9;A 60S ribosomal protein L31            | Rpl31           | 24.7426 | 25.4597 | 4  | 14.411 | 13.327 | 43   | 0.651456 | 1        |
| AOA0A6YX73;Q8K1 cAMP-dependent protein kinase ty     | Prkar2a         | 27.3695 | 27.2992 | 15 | 43.165 | 323.31 | 85   | 0.91879  | 1        |
| AOA0A6YY47 Neural cell adhesion molecule 1           | Ncam1           | 25.7642 | 25.608  | 27 | 93.491 | 27.156 | 13   | 0.800898 | 1        |
| AOA0A6YY91 Neural cell adhesion molecule 1           | Ncam1           | 31.6847 | 31.5682 | 35 | 116.26 | 323.31 | 752  | 0.138868 | 1        |
| B9EHV0;AOA0G2JD Leucine-rich repeat-containing pro   | Lrrc7           | 26.313  | 25.6927 | 18 | 156.67 | 65.129 | 37   | 0.657658 | 1        |
| AOA0G2JDX4;AOA0 Tetraspanin;Tetraspanin-2            | Tspan2          | 26.5666 | 25.2627 | 3  | 9.5218 | 73.335 | 38   | 0.262689 | 1        |
| AOA0G2JEC4;Q9JK4 Endophilin-B1                       | Sh3glb1         | 25.1885 | 25.1888 | 7  | 44.303 | 31.499 | 14   | 0.998947 | 0.999579 |
| AOA0G2JEG8;Q7TQ Amphiphysin                          | Amph            | 30.5729 | 30.3633 | 26 | 75.339 | 323.31 | 509  | 0.62274  | 1        |
| AOA0G2JER9;O549 DnaJ homolog subfamily B membe       | Dnajb6          | 25.7308 | 26.5079 | 6  | 26.998 | 18.01  | 25   | 0.219152 | 1        |
| AOA0G2JES3;Q5EB( 60S ribosomal protein L9            | Rpl9            | 23.8939 | 24.5735 | 5  | 21.622 | 14.939 | 21   | 0.366569 | 1        |
| AOA0G2JGQ6;A3KN Serine/threonine-protein kinase D    | Dclk1           | 27.2297 | 27.2596 | 17 | 82.104 | 127.64 | 76   | 0.948687 | 1        |
| AOA0G2JGX4;Q6PI( Sodium/potassium-transporting AT    | Atp1a3          | 34.28   | 34.2863 | 61 | 112.99 | 323.31 | 3034 | 0.993736 | 1        |
| AOA0J9YKD4;Q9D6 Creatine kinase M-type               | Ckm             | 28.228  | 28.4192 | 2  | 35.108 | 45.129 | 133  | 0.721988 | 1        |
| B1AWN6;AOA0R5R Sodium channel protein                | Scn2a1          | 24.9837 | 25.7332 | 8  | 227.94 | 17.712 | 14   | 0.488516 | 1        |
| AOA0J9YTY0;AOA0J Septin-11                           | Sept11          | 30.4916 | 30.607  | 26 | 48.978 | 323.31 | 429  | 0.473789 | 1        |
| AOA0J9YU62;O887 C-terminal-binding protein 1         | Ctbp1           | 28.7518 | 28.7684 | 16 | 46.527 | 323.31 | 174  | 0.965909 | 1        |
| AOA0J9YUN4;AOA0 Dynamin-1                            | Dnm1            | 33.1444 | 33.0703 | 73 | 97.294 | 323.31 | 2350 | 0.738836 | 1        |
| Q8C7C4;Q8BNM0; High mobility group protein B1        | Hmgb1           | 27.3044 | 28.0955 | 10 | 20.303 | 62.738 | 74   | 0.264788 | 1        |
| AOA0J9YVF0;Q14BI Metabotropic glutamate receptor     | Grm2            | 23.6675 | 23.7502 | 4  | 65.785 | 6.7098 | 6    | 0.899803 | 1        |
| A1L332;AOA0M3HE Phospholipid-transporting ATPase;    | Atp8a1          | 26.4116 | 26.581  | 15 | 131.18 | 66.129 | 49   | 0.795733 | 1        |
| AOA0N4SV32;Q3UE Plasminogen activator inhibitor 1 R  | Serbp1          | 26.8069 | 26.2305 | 10 | 39.644 | 95.48  | 23   | 0.264644 | 1        |
| AOA0N4SVB8;Q9D/ ADP-ribosylation factor-like proteir | Arl8b           | 26.0511 | 26.2163 | 7  | 15.985 | 45.811 | 69   | 0.902384 | 1        |

|  |         |         |    |        |        |      |          |   |
|--|---------|---------|----|--------|--------|------|----------|---|
| AOA0N4SVL0;Z4YK Eukaryotic translation initiation fac Eif4g3             | 24.9809 | 24.7351 | 6  | 192.82 | 10.371 | 8    | 0.856669 | 1 |
| AOA0N4SVL9;Q9CC Serine/threonine-protein phosphat Ppp6c                  | 24.4846 | 24.1097 | 4  | 32.547 | 9.5184 | 15   | 0.717728 | 1 |
| AOA0N4SVP8;Q91v Eukaryotic initiation factor 4A-III;Ei Eif4a3;Gm8994     | 24.0061 | 25.4333 | 8  | 46.959 | 25.91  | 13   | 0.107761 | 1 |
| AOA0N4SVT3;AOA0 Guanine nucleotide-binding protein Gng12                 | 25.0898 | 25.1324 | 5  | 7.1971 | 17.514 | 35   | 0.981404 | 1 |
| AOA0N4SW94;Q0V Myeloid-associated differentiation Myadm                  | 23.5358 | 24.3844 | 2  | 8.6402 | 8.4135 | 10   | 0.486375 | 1 |
| AOA0R3P9C8;Q9DC NADH dehydrogenase [ubiquinone Ndufa9                    | 29.3755 | 29.3963 | 21 | 42.121 | 323.31 | 398  | 0.957121 | 1 |
| AOA0R4IZW8;O884 Calpain small subunit 1 Capns1                           | 24.413  | 24.7288 | 5  | 28.406 | 33.654 | 17   | 0.650266 | 1 |
| AOA0R4IZX5;P5506 Neurocan core protein Ncan                              | 30.0644 | 29.8723 | 32 | 137.17 | 323.31 | 301  | 0.188221 | 1 |
| AOA0R4IZY0;Q8C1 Thimet oligopeptidase Thop1                              | 25.9677 | 25.0916 | 18 | 78.026 | 119.21 | 38   | 0.543092 | 1 |
| AOA0R4J023;Q9JLZ Methylglutaconyl-CoA hydratase, r Auh                   | 26.9775 | 27.47   | 11 | 33.338 | 209.91 | 143  | 0.243322 | 1 |
| AOA0R4J036;P0855 Neurofilament medium polypeptid Nefm                    | 33.5688 | 33.1808 | 54 | 95.94  | 323.31 | 1859 | 0.034736 | 1 |
| AOA0R4J050;Q99JV Aminoacylase-1 Acy1                                     | 24.3833 | 24.025  | 6  | 45.794 | 13.328 | 12   | 0.73201  | 1 |
| AOA0R4J052;G5E81 Hydroxyacylglutathione hydrolase, Hagh                  | 28.1163 | 28.2898 | 8  | 28.92  | 73.619 | 117  | 0.648174 | 1 |
| AOA0R4J083;P5117 Long-chain specific acyl-CoA dehyd Acadl                | 27.0006 | 27.0178 | 16 | 47.896 | 111.33 | 56   | 0.955213 | 1 |
| AOA0R4J087;Q8BJI Sodium-dependent neutral amino acid transporter Slc6a17 | 25.7236 | 25.9487 | 8  | 80.756 | 31.034 | 34   | 0.396458 | 1 |
| AOA0R4J093;Q9DB UMP-CMP kinase Cmpk1                                     | 27.2929 | 26.801  | 9  | 25.714 | 53.129 | 86   | 0.641128 | 1 |
| AOA0R4J094;Q3TC Fumarylacetoacetate hydrolase do Fahd2                   | 26.1956 | 26.7706 | 11 | 34.676 | 50.098 | 65   | 0.258069 | 1 |
| E9Q9N6;E9PYX3;A Serine/threonine-protein kinase M Mark2                  | 24.9111 | 25.0588 | 11 | 79.091 | 39.107 | 17   | 0.89496  | 1 |
| AOA0R4J0B8;J3QQ Endophilin-A3 Sh3gl3                                     | 24.451  | 24.6923 | 8  | 38.95  | 17.445 | 7    | 0.717565 | 1 |
| AOA0R4J0I1;P0775 Serine protease inhibitor A3K Serpina3k                 | 24.5374 | 24.6891 | 5  | 46.672 | 19.139 | 8    | 0.396306 | 1 |
| AOA0R4J0I9;Q91ZX Prolow-density lipoprotein receptor Lrp1                | 26.6362 | 26.4743 | 24 | 504.77 | 82.542 | 51   | 0.402935 | 1 |
| Z4YL78;AOA0R4J0K Cytoskeleton-associated protein 5 Ckap5                 | 24.5948 | 25.1638 | 11 | 218.71 | 28.608 | 20   | 0.492656 | 1 |
| AOA0R4J0Q5;P216 Lamin-B2 Lmnb2   | 26.3729 | 26.3115 | 21 | 69.084 | 88.317 | 42   | 0.888313 | 1 |
| G3UYZ1;AOA0R4J1 Immunoglobulin superfamily member Igsf8                  | 29.0479 | 29.0195 | 14 | 58.131 | 301.27 | 246  | 0.763764 | 1 |
| AOA0R4J124;O547 SRSF protein kinase 2;SRSF protein Srpk2                 | 24.8756 | 24.1852 | 6  | 76.884 | 17.239 | 17   | 0.52225  | 1 |
| AOA0R4J150;B9EJ8 Oxysterol-binding protein Osbpl8                        | 24.165  | 24.36   | 5  | 96.98  | 15.078 | 28   | 0.775213 | 1 |
| AOA0R4J1F4;A2AGI MAP kinase-activating death domain protein Madd         | 25.5738 | 25.427  | 11 | 173.2  | 42.766 | 22   | 0.629164 | 1 |
| Q3TMU8;AOA0R4J1 Dihydropyrimidinase-related protein Dpysl4               | 29.3068 | 29.3142 | 23 | 61.927 | 323.31 | 305  | 0.975734 | 1 |
| AOA0R4J1Y7;E9PXX Thioredoxin domain-containing protein Txnrc5            | 24.587  | 24.5958 | 6  | 36.083 | 16.704 | 20   | 0.987441 | 1 |
| Q8BME2;AOA0R4J2 NADH dehydrogenase [ubiquinone Ndufa12                   | 28.6618 | 29.6132 | 13 | 17.374 | 143.89 | 242  | 0.131509 | 1 |
| AOA0R4J2A6;S4R1 Ankyrin repeat and sterile alpha motif protein Anks1b    | 27.449  | 27.4035 | 14 | 48.314 | 53.872 | 83   | 0.843304 | 1 |
| AOA0R4J2B0;V9GX CUGBP Elav-like family member 2 Celf2                    | 26.1816 | 26.5157 | 9  | 46.607 | 63.899 | 27   | 0.568097 | 1 |
| AOA0R4J2B2;Q6W BTB/POZ domain-containing protein Kctd12                  | 25.135  | 25.3884 | 10 | 35.888 | 48.244 | 47   | 0.621315 | 1 |

|                     |  |                     |         |         |    |        |        |      |          |   |
|---------------------|--|---------------------|---------|---------|----|--------|--------|------|----------|---|
| Q5DTI3;A0A0R4J2C    | Synaptotagmin-2  | Syt2;syt II         | 26.1474 | 23.6325 | 14 | 36.063 | 55.582 | 21   | 0.102195 | 1 |
| A2RTH5;A0A0U1R1     | Leucine carboxyl methyltransferase                     | Lcmt1               | 25.4594 | 25.3051 | 7  | 38.192 | 17.247 | 31   | 0.656698 | 1 |
| A0A140LHL5;Q8VDD    | NAD-dependent protein deacetylase                      | Sirt2               | 30.1189 | 30.3149 | 22 | 39.425 | 323.31 | 519  | 0.443466 | 1 |
| A0A140T8I9;E9Q3L    | Phosphatidylinositol 4-kinase alpha                    | Pi4ka               | 25.5245 | 25.9661 | 21 | 231.35 | 82.914 | 27   | 0.680202 | 1 |
| Q91YK6;Q4V9X9;Q 60S | ribosomal protein L23a                                 | Rpl23a;Gm609e       | 25.6578 | 26.0857 | 6  | 16.94  | 18.707 | 33   | 0.812606 | 1 |
| Q5EBJ0;A0A140T8I    | Fatty acid-binding protein, heart                      | Fabp3               | 26.9436 | 27.2681 | 5  | 14.819 | 28.662 | 55   | 0.443233 | 1 |
| A0A1B0GR11;Q93C     | Transaldolase  | Taldo1              | 28.854  | 29.0695 | 16 | 42.151 | 91.397 | 241  | 0.36132  | 1 |
| Q5PR72;A0A1B0GF     | cGMP-dependent 3,5-cyclic phosphodiesterase            | Pde2a               | 29.6852 | 29.7173 | 37 | 105.25 | 323.31 | 346  | 0.767091 | 1 |
| Q544R1;Q3UYN1;A     | Proline synthase co-transcribed bacterial              | Prosc               | 25.5056 | 26.0564 | 10 | 30.048 | 47.298 | 47   | 0.62234  | 1 |
| A0A1B0GRU0;Q3T      | Vesicular glutamate transporter 1                      | Slc17a7             | 28.6491 | 29.0513 | 11 | 64.318 | 153.58 | 127  | 0.576168 | 1 |
| A0A1B0GRV0;Q9ZC     | 3(2),5-bisphosphate nucleotidase 1                     | Bpnt1               | 27.4758 | 27.9446 | 16 | 34.973 | 193.47 | 137  | 0.39412  | 1 |
| A0A1B0GS63;Q8K2     | Arfaptin-2   | Arfp2               | 25.277  | 26.3581 | 7  | 37.288 | 39.392 | 22   | 0.027454 | 1 |
| Q3UM23;A0A1B0G      | Ribonuclease inhibitor                                 | Rnh1                | 26.3613 | 25.4801 | 14 | 49.843 | 113.17 | 37   | 0.561496 | 1 |
| A0A1C7ZMY3;Q80Z     | SH3 and multiple ankyrin repeat domain                 | Shank2              | 24.1483 | 24.8463 | 9  | 134.61 | 22.913 | 15   | 0.545101 | 1 |
| A0A1D5RLD8          | Glyceraldehyde-3-phosphate dehydrogenase               | Gm10358             | 30.0484 | 30.3338 | 24 | 35.812 | 28.053 | 177  | 0.801246 | 1 |
| Q3UYK8;A0A1D5R1     | Rab3 GTPase-activating protein catalytic               | Rab3gap1            | 24.9491 | 25.5253 | 13 | 110.14 | 37.375 | 17   | 0.159584 | 1 |
| A0A1D5RLS1;Q609     | Epidermal growth factor receptor signaling             | Eps15l1             | 25.6904 | 25.9483 | 19 | 66.204 | 111.1  | 57   | 0.824098 | 1 |
| A0A1D5RM83;E9P1     | IQ motif and SEC7 domain-containing protein            | Iqsec1              | 26.979  | 26.8292 | 19 | 117.93 | 79.464 | 83   | 0.726425 | 1 |
| D3Z4T6;A0A4W9;Q     | Neuronal growth regulator 1                            | Negr1               | 27.7893 | 27.8635 | 12 | 36.208 | 183.83 | 75   | 0.805281 | 1 |
| A0JLV3;B2RVD5;B2    | Histone H2B;Histone H2B type 1-P;Histone H2B           | Hist1h2bj;Hist1h2bj | 34.1867 | 34.0185 | 8  | 13.579 | 217.42 | 759  | 0.749328 | 1 |
| A0JNY3;Q8BUV3       | Gephyrin;Molybdopterin adenylyltransferase             | Gphn                | 27.7716 | 27.7157 | 24 | 83.665 | 267.71 | 141  | 0.938409 | 1 |
| A1A4T2;Q8BHN3;Q     | Neutral alpha-glucosidase AB                           | Ganab               | 27.9623 | 28.0835 | 27 | 109.4  | 143    | 107  | 0.371793 | 1 |
| A1BN54              | Alpha actinin 1a                                       | Actn1               | 32.0886 | 32.0419 | 71 | 102.72 | 323.31 | 1649 | 0.664393 | 1 |
| Q3TU85;Q3TAI8;A1    | Heat shock 70 kDa protein 1A;Heat shock 70 kDa protein | Hspa1b;Hspa1a       | 24.8668 | 24.9746 | 10 | 70.078 | 24.286 | 14   | 0.748899 | 1 |
| A1L0U6;A2AS98;P2    | Nck-associated protein 1                               | Nckap1              | 29.205  | 29.4852 | 48 | 129.38 | 323.31 | 310  | 0.455059 | 1 |
| A1L151;Q99JG2       | Prosaposin receptor GPR37L1                            | Gpr37l1             | 24.023  | 25.0982 | 2  | 38.32  | 4.5384 | 8    | 0.338154 | 1 |
| A1L3B8;P26516       | 26S proteasome non-ATPase regulatory subunit           | Psmc7               | 26.0378 | 26.4183 | 10 | 36.539 | 78.401 | 56   | 0.671075 | 1 |
| E9PXY1;A2A432;J3I   | Cullin-4B  | Cul4b               | 24.3168 | 25.0807 | 9  | 102.41 | 31.555 | 17   | 0.231799 | 1 |
| A2A547;Q5I0T8;P8    | Ribosomal protein L19;60S ribosomal protein            | Rpl19               | 24.2085 | 25.9092 | 3  | 23.247 | 10.556 | 22   | 0.133969 | 1 |
| A2A5N2;Q9CQV8;A     | 14-3-3 protein beta/alpha;14-3-3 protein               | Ywhab               | 31.7314 | 31.568  | 18 | 28.086 | 323.31 | 426  | 0.760879 | 1 |
| A2A6T4;Q8R035       | Peptidyl-tRNA hydrolase ICT1, mitochondrial            | Ict1                | 23.4611 | 22.3218 | 2  | 21.356 | 3.9703 | 4    | 0.226571 | 1 |
| A2A6U3;Q80UG5;A     | Septin-9   | Sept9               | 27.4945 | 27.4789 | 15 | 63.772 | 88.813 | 81   | 0.94886  | 1 |
| A2A7S7;Q91WQ3       | Tyrosine--tRNA ligase;Tyrosine--tRNA                   | Yars                | 27.4667 | 27.5643 | 20 | 63.001 | 168.36 | 81   | 0.642258 | 1 |

|   |                |         |         |     |        |        |      |          |   |
|---|----------------|---------|---------|-----|--------|--------|------|----------|---|
| A2A813;Q99LX0;A2 Protein deglycase DJ-1             | Park7          | 29.6827 | 29.8716 | 14  | 18.474 | 225.65 | 275  | 0.378657 | 1 |
| A2ABY3;Q540F5;Q Ethanolamine-phosphate cytidylt     | Pcyt2          | 24.4419 | 23.9789 | 8   | 43.446 | 98.691 | 12   | 0.689698 | 1 |
| A2ACL9;Q62443;Q Neuronal pentraxin-1                | Nptx1          | 24.4531 | 24.787  | 6   | 47.117 | 13.795 | 11   | 0.580139 | 1 |
| A2AE27;Q9DBT5 AMP deaminase 2                       | Ampd2          | 24.5612 | 25.0532 | 5   | 94.695 | 17.687 | 8    | 0.401407 | 1 |
| A2AEG6;P35803;A2 Neuronal membrane glycoprotein     | Gpm6b          | 29.6199 | 29.4324 | 10  | 36.196 | 200.53 | 183  | 0.346918 | 1 |
| A2AEW9;A2AEW8; GRIP1-associated protein 1           | Gripap1        | 26.5417 | 26.1528 | 19  | 90.764 | 78.416 | 44   | 0.61442  | 1 |
| A2AFG8;Q6PGJ3;A2 Neural cell adhesion molecule L1   | L1cam;L1       | 28.8421 | 28.7352 | 26  | 140.43 | 323.31 | 158  | 0.655059 | 1 |
| A2AG50;Q3TS73;A MAP7 domain-containing protein 2    | Map7d2         | 25.709  | 25.6708 | 5   | 86.049 | 26.558 | 20   | 0.905088 | 1 |
| B2RWZ9;A2AGI2;Q Neuroligin-3                        | Nlgn3;mKIAA14  | 25.4119 | 25.4144 | 7   | 91.189 | 27.228 | 21   | 0.992452 | 1 |
| Q8BQW4;A2AH25; Rho GTPase-activating protein 1      | Arhgap1        | 28.1329 | 28.3199 | 19  | 54.441 | 134.08 | 138  | 0.348571 | 1 |
| Q05BF9;A8Y5Q1;A [Pyruvate dehydrogenase [acetyl-t   | Pdp1           | 25.0366 | 25.2163 | 7   | 61.181 | 43.472 | 19   | 0.008804 | 1 |
| A2AKH7;Q8JZX5;Q Leucine-rich repeat-containing pro  | Lrrc57         | 24.7681 | 25.0464 | 7   | 24.132 | 28.999 | 26   | 0.811532 | 1 |
| Q6P6I7;A2AL12;Q5 Heterogeneous nuclear ribonucleo   | Hnrnpa3        | 30.3809 | 30.7408 | 24  | 34.376 | 323.31 | 376  | 0.30223  | 1 |
| Q8C048;A2ALL9;Q Calcium-transporting ATPase         | Atp2b3         | 26.8592 | 27.1845 | 26  | 125.71 | 36.205 | 45   | 0.429132 | 1 |
| A2ALS5;A2ALS4;A2 Rap1 GTPase-activating protein 1   | Rap1gap        | 27.5419 | 27.3303 | 15  | 73.432 | 159.62 | 78   | 0.652867 | 1 |
| A7TU71;A2ALU4 Protein Shroom2                       | Shroom2        | 24.6682 | 23.7242 | 4   | 165.26 | 14.022 | 5    | 0.428652 | 1 |
| A2ALV3;Q62420;Q Endophilin-A1                       | Sh3gl2         | 31.18   | 31.5239 | 21  | 48.295 | 323.31 | 752  | 0.154428 | 1 |
| I7HLV2;Q3THJ6;A2 60S ribosomal protein L10;60S ribo | Rpl10;Rpl10l   | 27.4441 | 27.7726 | 10  | 23.072 | 27.192 | 77   | 0.501022 | 1 |
| A2AMH5;A2AMH4; Choline transporter-like protein 1   | Slc44a1        | 24.8559 | 24.9637 | 9   | 73.044 | 29.251 | 31   | 0.939143 | 1 |
| Q684Q6;A2AN84;C 55 kDa erythrocyte membrane pro     | Mpp1           | 24.3041 | 24.123  | 8   | 47.7   | 22.656 | 14   | 0.859009 | 1 |
| A2AP31;Q3UIU2;A NADH dehydrogenase [ubiquinone      | Ndufb6         | 25.2818 | 25.2054 | 7   | 15.515 | 26.731 | 62   | 0.964898 | 1 |
| A2AQL0;Q9Z1W9;C STE20/SPS1-related proline-alanin   | Stk39          | 26.5442 | 26.4142 | 7   | 60.319 | 104.44 | 32   | 0.693944 | 1 |
| A2AQN9;Q8R436;C Glutathione synthetase              | Gss            | 23.9621 | 24.0572 | 3   | 19.621 | 11.185 | 6    | 0.848229 | 1 |
| A2ARP8;Q9QYR6 Microtubule-associated protein 1A     | Map1a          | 32.2982 | 32.0428 | 103 | 325.88 | 323.31 | 1464 | 0.132774 | 1 |
| A2ARS0 Ankyrin repeat domain-containing             | Ankrd63        | 27.4558 | 27.2228 | 11  | 41.067 | 112.02 | 115  | 0.573945 | 1 |
| Q3TYI5;J3QK20;A2 Voltage-dependent L-type calcium   | Cacnb4         | 24.8123 | 24.5166 | 7   | 57.662 | 31.004 | 18   | 0.748996 | 1 |
| B6ZHC9;A2AUK5;Q Band 4.1-like protein 1             | Epb4.1l1;Epb41 | 29.8162 | 29.775  | 34  | 98.284 | 323.31 | 260  | 0.818517 | 1 |
| A2AWI7;Q8R3V5;B Endophilin-B2                       | Sh3glb2        | 28.8397 | 29.0908 | 20  | 44.907 | 294.58 | 219  | 0.226669 | 1 |
| A2BE93;Q5U445;Q Protein SET                         | Set;BC085271   | 27.0527 | 27.2061 | 6   | 24.923 | 69.621 | 44   | 0.685831 | 1 |
| Q3TPJ8;A2BFF5;A2 Cytoplasmic dynein 1 intermediate  | Dync1i2        | 24.5595 | 24.2421 | 9   | 70.612 | 29.177 | 13   | 0.677197 | 1 |
| Q05CD2;A2BI12;Q PC4 and SFRS1-interacting protein   | Psip1          | 26.526  | 25.7458 | 8   | 29.372 | 53.984 | 81   | 0.407784 | 1 |
| A2RRK3;O54988 STE20-like serine/threonine-protei    | Slk            | 24.9792 | 24.2208 | 9   | 137.71 | 25.113 | 12   | 0.600957 | 1 |
| A2RS22;Q9WUM3 Coronin;Coronin-1B                    | Coro1b         | 27.2845 | 27.1218 | 9   | 53.912 | 45.089 | 44   | 0.713448 | 1 |

|                  |  |                         |         |         |     |        |        |      |          |   |
|------------------|--|-------------------------|---------|---------|-----|--------|--------|------|----------|---|
| A2RS58;P47941    | Crk-like protein   | Crkl                    | 25.0491 | 24.0654 | 3   | 33.83  | 44.673 | 12   | 0.334611 | 1 |
| A2RSB1;B7ZNL2;Q  | Nucleosome assembly protein 1-like                               | Nap1l4                  | 27.109  | 27.2929 | 9   | 42.679 | 89.27  | 51   | 0.384515 | 1 |
| A2RSV8;P19783    | Cytochrome c oxidase subunit 4 isoform 1                         | Cox4i1                  | 30.8563 | 31.0427 | 13  | 19.53  | 110.16 | 762  | 0.770285 | 1 |
| B2RPY3;A2RT62    | F-box/LRR-repeat protein 16                                      | Fbxl16                  | 28.0659 | 27.5894 | 13  | 51.878 | 87.726 | 63   | 0.375934 | 1 |
| A2RTT4;P61089    | Ubiquitin-conjugating enzyme E2 N                                | Ube2n                   | 30.2405 | 29.9891 | 11  | 17.138 | 188.76 | 232  | 0.404346 | 1 |
| A2VDF7;A7E1Z5;E9 | Anion exchange protein;Electrogen                                | Slc4a4                  | 27.2111 | 27.1996 | 14  | 118.78 | 54.813 | 73   | 0.988538 | 1 |
| B9EKJ1;A3KGU7;P1 | Spectrin alpha chain, non-erythrocyte                            | Sptan1                  | 34.751  | 34.5726 | 217 | 285.18 | 323.31 | 5723 | 0.344557 | 1 |
| A3KML3;F6YY69;F6 | 14-3-3 protein theta   | Ywhaq                   | 31.5131 | 31.4672 | 18  | 27.778 | 323.31 | 478  | 0.892454 | 1 |
| E9Q9C5;Q8C1D9;A  | V-type proton ATPase 16 kDa isoform 1                            | Atp6v0c;Gm15a4          | 26.3922 | 27.7264 | 2   | 15.265 | 84.752 | 75   | 0.301877 | 1 |
| Q7M6W1;A3QM89    | Reticulon  | Rtn1                    | 26.0541 | 26.3572 | 7   | 23.557 | 11.619 | 149  | 0.83134  | 1 |
| A4FUS1;Q641N3;Q  | 40S ribosomal protein S16  | Rps16                   | 26.8197 | 26.8059 | 9   | 16.445 | 38.054 | 94   | 0.978483 | 1 |
| A5GZX3;Q9CPU0    | Lactoylglutathione lyase   | Glo1                    | 29.325  | 29.8743 | 13  | 20.809 | 59.864 | 198  | 0.191811 | 1 |
| A6H630           | Protein-glutamate O-methyltransferase                            | Armt1                   | 23.7694 | 24.4287 | 4   | 50.548 | 28.226 | 12   | 0.46677  | 1 |
| A7VJ98;Q9CQI3;Q8 | Glia maturation factor beta                                      | Gmfb                    | 27.83   | 27.0308 | 7   | 16.722 | 146.32 | 71   | 0.276217 | 1 |
| Q3TMT4;Q3THE7;A  | 4-trimethylaminobutyraldehyde dehydrogenase                      | Aldh9a1                 | 26.5144 | 26.7195 | 8   | 53.529 | 47.791 | 28   | 0.11999  | 1 |
| A8DUK4;A8DUL2;A  | Hemoglobin subunit beta-1  | Hbbt1;Hbb-b1;Hbb-beta-1 | 34.2752 | 34.4475 | 15  | 15.748 | 311.7  | 2056 | 0.586624 | 1 |
| A8IP69;P61982    | 14-3-3 protein gamma;14-3-3 protein gamma                        | Ywhag                   | 33.0074 | 32.6723 | 20  | 28.302 | 323.31 | 764  | 0.026141 | 1 |
| Q5ICG4;A8IP90;Q5 | Long-chain-fatty-acid--CoA ligase 6                              | Acs16                   | 27.3926 | 27.5599 | 20  | 78.016 | 82.255 | 110  | 0.66547  | 1 |
| A9DA50;Q9D1T0    | Leucine-rich repeat and immunoglobulin domain-containing protein | Lingo1                  | 26.2593 | 26.4385 | 9   | 69.831 | 42.249 | 33   | 0.495895 | 1 |
| B0LAE3;Q9CSX6;P6 | Pleiotrophin   | Ptn                     | 24.6906 | 23.6967 | 2   | 7.6919 | 4.6012 | 14   | 0.424954 | 1 |
| Q8CHR4;Q35619;B  | Vesicle-associated membrane protein 2                            | Vamp2                   | 31.2712 | 31.4919 | 8   | 12.691 | 323.31 | 709  | 0.814127 | 1 |
| B0V2N1;Q3UNN3    | Receptor-type tyrosine-protein phosphatase                       | Ptprs                   | 24.5846 | 25.4007 | 10  | 211.9  | 45.751 | 25   | 0.351286 | 1 |
| B0V2P5;Q8BPN8;F  | DmX-like protein 2   | Dmxl2                   | 28.2584 | 28.6037 | 53  | 340.69 | 239.48 | 154  | 0.61365  | 1 |
| B1AQF4;Q9D7X3;Q  | Dual specificity protein phosphatase                             | Dusp3                   | 26.8809 | 26.0828 | 7   | 23.223 | 112.6  | 82   | 0.651297 | 1 |
| B1AQX9;B1AQX6;B  | SRC kinase signaling inhibitor 1                                 | Srcin1                  | 29.2251 | 28.9212 | 48  | 130.61 | 323.31 | 257  | 0.337153 | 1 |
| B1AQZ0;B1AQY9;Q  | Septin-8   | Sept8                   | 29.5353 | 29.4088 | 25  | 55.874 | 312.21 | 237  | 0.423838 | 1 |
| E9QA63;B1ARU4;E  | Microtubule-actin cross-linking factor                           | Macf1                   | 26.1712 | 27.0479 | 25  | 831.93 | 68.334 | 33   | 0.167717 | 1 |
| B1AS06;Q3TY61;Q  | Disks large-associated protein 3                                 | Dlgap3                  | 26.6749 | 26.4001 | 13  | 104.67 | 66.92  | 31   | 0.446926 | 1 |
| Q3U8N2;B1ATI9;Q  | Growth arrest-specific protein 7                                 | Gas7                    | 25.0065 | 25.9718 | 9   | 40.89  | 63.017 | 23   | 0.31002  | 1 |
| Q3MIA8;B1ATU4;G  | COP9 signalosome complex subunit                                 | Gps1                    | 26.2016 | 26.3142 | 10  | 55.163 | 41.392 | 30   | 0.668274 | 1 |
| B1ATZ0;B1ATZ1;Q3 | Hepatocyte growth factor-regulated tyrosine kinase               | Hgs                     | 26.0327 | 25.6156 | 12  | 85.778 | 52.011 | 32   | 0.719143 | 1 |
| B1AU25;Q9Z0X1;Q  | Apoptosis-inducing factor 1, mitochondrial                       | Aifm1;Pdcd8             | 25.2837 | 25.2584 | 7   | 66.113 | 44.046 | 17   | 0.840973 | 1 |
| B1AW58;Q8BW96;   | Calcium/calmodulin-dependent protein kinase 1 delta              | Camk1d                  | 25.7151 | 26.2566 | 12  | 42.918 | 46.813 | 44   | 0.124569 | 1 |

|  |                 |         |         |    |        |        |      |          |   |
|--|-----------------|---------|---------|----|--------|--------|------|----------|---|
| B1AWD8;B1AWD9; Clathrin light chain A                        | Clta            | 29.2984 | 29.0232 | 9  | 25.661 | 119.9  | 136  | 0.506537 | 1 |
| J7K287;G3F8Y7;Q8 Anion exchange protein;Sodium-dr Slc4a10    |                 | 24.5457 | 24.4116 | 6  | 122.34 | 18.937 | 14   | 0.759568 | 1 |
| B1AX58;A0A1C7CY Plastin-3                                    | Pls3            | 26.3555 | 26.5187 | 17 | 71.745 | 67.102 | 61   | 0.194138 | 1 |
| B1AXF3;Q14AY1;Q: Solute carrier family 24 (sodium/pr Slc24a2 |                 | 24.8281 | 24.3052 | 4  | 71.802 | 27.471 | 16   | 0.639376 | 1 |
| B1AZ39;P0C0A3;B1 Charged multivesicular body protei Chmp6    |                 | 24.5828 | 24.745  | 4  | 23.415 | 26.137 | 12   | 0.904326 | 1 |
| B1AZ46;Q3UKP6;Q Brain-specific angiogenesis inhibito Baiap2  |                 | 29.6371 | 29.8017 | 28 | 57.681 | 323.31 | 467  | 0.311085 | 1 |
| B1B0C7;E9PZ16;QC Basement membrane-specific hepæ Hspg2       |                 | 25.6973 | 23.8594 | 9  | 469.02 | 32.269 | 12   | 0.192831 | 1 |
| B1GX80;B1GX81;Q Non-specific serine/threonine prot Pak3      |                 | 26.5479 | 26.5617 | 14 | 63.001 | 49.686 | 19   | 0.970804 | 1 |
| E9QMC2;B2BH30;C Metabotropic glutamate receptor ! Grm5       |                 | 24.6116 | 24.0855 | 5  | 128.27 | 12.457 | 9    | 0.683291 | 1 |
| B2CY77;P14206 40S ribosomal protein SA                       | Rpsa            | 27.9786 | 27.9091 | 13 | 32.85  | 323.31 | 132  | 0.750352 | 1 |
| B2KGP3;Q80TLO Protein phosphatase 1E                         | Ppm1e           | 25.5964 | 25.3902 | 9  | 83.418 | 47.914 | 18   | 0.856178 | 1 |
| B2M1R6;Q3U9Q3;(Heterogeneous nuclear ribonucleo Hnrnpk       |                 | 30.3869 | 30.6078 | 24 | 48.562 | 323.31 | 460  | 0.11314  | 1 |
| Q3UWP8;B2MWM Calreticulin                                    | Calr            | 30.4843 | 30.7826 | 23 | 42.195 | 323.31 | 392  | 0.062909 | 1 |
| B2RPS1;Q0PD56;P Ras-related protein Rab-5B                   | Rab5b           | 26.0958 | 25.4099 | 7  | 23.707 | 18.931 | 33   | 0.495704 | 1 |
| B7ZN48;B2RQE5;B Syntaxin-binding protein 5-like              | Stxbp5l         | 24.7003 | 24.9542 | 5  | 111.78 | 8.3963 | 6    | 0.818723 | 1 |
| B2RQQ5;P14873 Microtubule-associated protein 1B Map1b        |                 | 31.0332 | 30.7308 | 75 | 270.3  | 323.31 | 731  | 0.123746 | 1 |
| B2RQQ7;Q7TT50 Non-specific serine/threonine prot Cdc42bpb    |                 | 25.1944 | 24.1587 | 4  | 194.73 | 15.835 | 13   | 0.297376 | 1 |
| B2RQS1;Q9ERG2 Striatin-3                                     | Strn3           | 24.5168 | 23.5312 | 5  | 77.731 | 16.367 | 7    | 0.384827 | 1 |
| B2RQZ6;Q8BWS5 G protein-regulated inducer of neu Gprn3       |                 | 26.0377 | 24.9389 | 7  | 80.484 | 19.639 | 23   | 0.177167 | 1 |
| K3W4L0;B2RRE2;E Unconventional myosin-XVIIIa                 | Myo18a          | 26.7364 | 26.5814 | 20 | 230.99 | 112.45 | 46   | 0.561819 | 1 |
| B2RRH9;Q3THK7 GMP synthase [glutamine-hydrolyz Gmps          |                 | 25.8975 | 24.1703 | 8  | 76.723 | 69.958 | 28   | 0.303896 | 1 |
| B2RRU7;Q9ESM3 Hyaluronan and proteoglycan link ꞑ Hapln2      |                 | 26.6887 | 26.6505 | 11 | 37.925 | 35.526 | 69   | 0.878259 | 1 |
| Q3UAF7;Q3U5R4;B Actin, cytoplasmic 1;Actin, cytoplas Actb    |                 | 36.1391 | 36.0422 | 31 | 41.75  | 323.31 | 5589 | 0.667924 | 1 |
| B2RRX2;P63328 Serine/threonine-protein phosphat Ppp3ca       |                 | 32.5904 | 32.388  | 26 | 58.643 | 323.31 | 1254 | 0.600697 | 1 |
| B2RRY8;Q8BGZ1;F Hippocalcin-like protein 4                   | Hpcal4          | 28.0788 | 27.8268 | 15 | 22.215 | 196.33 | 93   | 0.881677 | 1 |
| B2RS41;Q8BWF0 Succinate-semialdehyde dehydroge Aldh5a1       |                 | 30.4796 | 30.5531 | 24 | 55.968 | 323.31 | 365  | 0.6073   | 1 |
| B2RSH2 Guanine nucleotide-binding protei Gnai1               |                 | 29.7596 | 29.6988 | 22 | 40.361 | 323.31 | 362  | 0.861448 | 1 |
| B2RSR7;Q3ULJ0 Glycerol-3-phosphate dehydrogenæ Gpd1l         |                 | 26.9738 | 27.888  | 17 | 38.225 | 94.183 | 82   | 0.185015 | 1 |
| E0CYI9;E9PWI6;B2 GRIP and coiled-coil domain-contai Gcc2     |                 | 26.4525 | 27.1666 | 2  | 183.01 | 3.7633 | 53   | 0.835635 | 1 |
| B2RSY3;Q640R3 Hepatocyte cell adhesion molecule Hepacam      |                 | 26.983  | 25.4983 | 7  | 46.366 | 45.402 | 47   | 0.183344 | 1 |
| B2RT97;Q9WVJ2;E 26S proteasome non-ATPase reguli Psmc13      |                 | 25.4592 | 26.5681 | 17 | 42.809 | 74.455 | 56   | 0.009441 | 1 |
| B2RTM0;P62806;Q Histone H4                                   | Hist2h4;Hist1h4 | 33.5926 | 33.6803 | 13 | 11.367 | 195.91 | 1423 | 0.802396 | 1 |
| B2RUC7;Q9Z1Z2 Serine-threonine kinase receptor-a Strap       |                 | 26.1603 | 25.4804 | 12 | 38.442 | 48.488 | 39   | 0.595433 | 1 |

|   |         |         |    |        |        |      |          |   |
|---|---------|---------|----|--------|--------|------|----------|---|
| B2RUK5;Q3ULD5;Q Methylcrotonoyl-CoA carboxylase I Mccc2               | 25.4248 | 24.9758 | 10 | 61.378 | 29.476 | 18   | 0.388864 | 1 |
| B2RVP5;Q3THW5;F Histone H2A;Histone H2A.V;Histon H2afv;H2afz          | 25.3761 | 26.1744 | 4  | 13.509 | 10.711 | 54   | 0.703778 | 1 |
| F8WIX8;Q149V4;B Histone H2A;Histone H2A type 2-C; Hist1h2al;Hist2l    | 33.1112 | 33.0813 | 6  | 13.607 | 107.35 | 671  | 0.940677 | 1 |
| Q3UGY4;Q3UGX2;E Spectrin beta chain, erythrocytic Sptb                | 27.3275 | 27.3966 | 48 | 268.09 | 126.95 | 89   | 0.709271 | 1 |
| B2RX66;Q5F2E8;Q Serine/threonine-protein kinase TA Taok1              | 23.1587 | 24.0732 | 6  | 116.05 | 16.281 | 9    | 0.234342 | 1 |
| B2RXT3;E9Q7L0 Oxoglutarate dehydrogenase-like Ogdhl                   | 29.6543 | 29.6357 | 44 | 114.56 | 323.31 | 341  | 0.874651 | 1 |
| B2RXY7;P48758 Carbonyl reductase [NADPH] 1 Cbr1                       | 29.7025 | 29.8405 | 19 | 30.641 | 306.74 | 381  | 0.771403 | 1 |
| B7U582;P17156 Heat shock-related 70 kDa protein Hspa2                 | 26.9639 | 26.9142 | 26 | 69.723 | 51.899 | 66   | 0.915015 | 1 |
| Q3THI5;Q3U8Y7;Q 26S protease regulatory subunit 6A Psmc3              | 26.2397 | 24.8477 | 11 | 45.236 | 39.225 | 33   | 0.263328 | 1 |
| B7ZCU2;B7ZCU5;Q Abl interactor 1 Abi1                                 | 27.8316 | 27.7816 | 16 | 43.174 | 123.12 | 99   | 0.932669 | 1 |
| B7ZN22;Q0P556;B ELMO domain-containing protein 1 Elmod1               | 24.5436 | 23.9635 | 4  | 31.053 | 10.094 | 10   | 0.408501 | 1 |
| B7ZNF6;E9QKH8;O Catenin delta-2 Ctnnd2                                | 27.4913 | 27.0141 | 26 | 132.36 | 139.7  | 83   | 0.511585 | 1 |
| B7ZNJ3;Q6P9K8 Caskin-1 Caskin1  | 27.0265 | 26.7357 | 21 | 142.67 | 142.67 | 56   | 0.641714 | 1 |
| B9EJ23;B7ZP42;O Peripheral plasma membrane protein Cask               | 27.0389 | 26.6775 | 16 | 100.19 | 50.231 | 44   | 0.272569 | 1 |
| Q545R3;Q3TSR4;B Protein NDRG1 Ndr1                                    | 27.1592 | 27.4907 | 10 | 43.008 | 142.61 | 76   | 0.694237 | 1 |
| B9EHJ3;P39447;A Tight junction protein ZO-1 Tjp1                      | 24.0249 | 24.3804 | 7  | 188.85 | 18.154 | 10   | 0.601941 | 1 |
| B9EHN0;Q02053 Ubiquitin-like modifier-activating enzyme Uba1          | 31.9585 | 31.8585 | 53 | 117.81 | 323.31 | 1399 | 0.675369 | 1 |
| B9EHZ5;Q3UN60;Q MAGUK p55 subfamily member 6 Mpp6                     | 27.8174 | 27.929  | 21 | 60.924 | 103.5  | 101  | 0.506803 | 1 |
| B9EIC7;Q8K0S0 Phytanoyl-CoA hydroxylase-interactor Phyhip             | 29.1596 | 29.2496 | 16 | 37.554 | 135.28 | 328  | 0.868797 | 1 |
| B9EIE9;P46664 Adenylosuccinate synthetase isozy Adss                  | 26.0831 | 25.9106 | 12 | 50.02  | 77.139 | 31   | 0.790238 | 1 |
| B9EJ29;Q80UG2 Plexin-A4 Plxna4  | 25.1465 | 24.2906 | 10 | 212.23 | 25.743 | 31   | 0.399181 | 1 |
| B9EJA2;R7RU63;R7 Cortactin-binding protein 2 Ctnbp2                   | 24.9452 | 25.1752 | 17 | 178.77 | 53.068 | 24   | 0.885681 | 1 |
| B9EKR1;Q9WUT8;A Receptor-type tyrosine-protein phosphatase Ptpbz1     | 28.4224 | 28.306  | 12 | 254.4  | 67.699 | 119  | 0.584618 | 1 |
| Q543Z1;B9UIT4;P2 Carboxylic ester hydrolase;Acetylcholinesterase Ache | 25.635  | 25.0913 | 9  | 68.168 | 54.496 | 48   | 0.496425 | 1 |
| C7G3P1;P60469;AC Liprin-alpha-3 Ppfia3                                | 27.1542 | 27.3896 | 29 | 138.53 | 99.59  | 98   | 0.621501 | 1 |
| G5E8H1;C9K0Z0;P2 Glutamate receptor 2 Gria2                           | 27.1005 | 26.9938 | 20 | 98.76  | 129.17 | 46   | 0.7944   | 1 |
| Q3UVR2;C9K0Z6;O Ciliary neurotrophic factor receptor Cntfr            | 25.9789 | 26.2555 | 5  | 40.85  | 45.481 | 25   | 0.418587 | 1 |
| C9K0Z7;Q35465 Peptidyl-prolyl cis-trans isomerase Fkbp8               | 25.1744 | 25.0619 | 4  | 38.412 | 60.71  | 20   | 0.847969 | 1 |
| DOVYV6 Band 4.1-like protein 3 Epb4.1l3                               | 31.436  | 31.333  | 58 | 101.42 | 323.31 | 787  | 0.285698 | 1 |
| F7AAP4;D1FNM8;H Calcium-transporting ATPase Atp2b4                    | 26.1742 | 26.373  | 24 | 128.56 | 26.114 | 25   | 0.553764 | 1 |
| D2KHZ9;P16858;AC Glyceraldehyde-3-phosphate dehydrogenase GAPDH;Gapdh | 34.6498 | 34.4619 | 25 | 35.81  | 323.31 | 3447 | 0.612058 | 1 |
| D3YU12;Q8K2T1;G NmrA-like family domain-containing protein NmrA1      | 25.7559 | 25.713  | 8  | 33.081 | 46.057 | 25   | 0.947617 | 1 |
| Q3UEQ1;E9Q9A0;F Type I inositol 3,4-bisphosphate 4-epoxide Inpp4a     | 25.9335 | 26.2913 | 12 | 99.971 | 55.083 | 39   | 0.416187 | 1 |

|   |              |         |         |    |        |        |     |          |   |
|---|--------------|---------|---------|----|--------|--------|-----|----------|---|
| D3YUM1;Q91YT0;L NADH dehydrogenase [ubiquinone]     | Ndufv1       | 30.4359 | 30.5715 | 24 | 49.913 | 323.31 | 545 | 0.393122 | 1 |
| H3BIV5;D3YVF0 A-kinase anchor protein 5             | Akap5        | 30.285  | 30.1131 | 23 | 80.202 | 323.31 | 326 | 0.495181 | 1 |
| D3Z519;D3Z2W1;D Diacylglycerol kinase               | Dgki         | 25.5871 | 23.8969 | 6  | 101.33 | 26.853 | 7   | 0.164471 | 1 |
| D3YWT1;D3Z3N4 Heterogeneous nuclear ribonucleo      | Hnrnph3      | 25.6821 | 25.5892 | 7  | 35.181 | 20.429 | 22  | 0.846551 | 1 |
| D3YX62;Q544R7;Q Heme oxygenase 2                    | Hmox2        | 26.0995 | 25.9967 | 8  | 26.385 | 37.839 | 40  | 0.867641 | 1 |
| D3YXG2;Q3U2G9;C N-acetyl-D-glucosamine kinase       | Nagk         | 24.1637 | 24.4755 | 4  | 36.198 | 10.409 | 13  | 0.633288 | 1 |
| D3YYE1;D3Z7M9;O Acidic leucine-rich nuclear phospho | Anp32a       | 29.3148 | 29.2915 | 12 | 22.954 | 126.55 | 105 | 0.967332 | 1 |
| F8SLP9;F8SLQ5;F8S PEX5-related protein              | Pex5l        | 24.6817 | 24.2375 | 6  | 63.138 | 16.583 | 9   | 0.23746  | 1 |
| D3YYK8;E9Q6X0;Q Microtubule-associated protein RP   | Mapre2       | 28.1394 | 27.7997 | 14 | 29.425 | 151.16 | 84  | 0.468234 | 1 |
| E9Q3B9;D3YYS6;Q Monoglyceride lipase                | Mgll         | 25.1268 | 26.4476 | 14 | 35.256 | 45.505 | 48  | 0.337783 | 1 |
| D3YYT0;Q8BSI9;Q3 Cadherin-2                         | Cdh2         | 25.1324 | 25.2527 | 10 | 93.856 | 54.039 | 27  | 0.939119 | 1 |
| D3YYV8;Q3TKR5;Q 60S ribosomal protein L5            | Rpl5         | 24.3308 | 23.5132 | 5  | 17.997 | 13.196 | 13  | 0.31159  | 1 |
| D3YZ62;D3Z4J3;Q9 Unconventional myosin-Va           | Myo5a        | 29.5152 | 29.6831 | 63 | 212.33 | 323.31 | 339 | 0.698583 | 1 |
| E9Q4Q2;D3YZC9;D Splicing factor 1                   | Sf1          | 23.634  | 24.7121 | 5  | 59.698 | 12.244 | 12  | 0.375002 | 1 |
| Q3US76;F6XC54;D Protein diaphanous homolog 1        | Diap1;Diaph1 | 23.5044 | 23.8794 | 4  | 56.813 | 9.7387 | 7   | 0.545576 | 1 |
| D3Z2Q2;D3Z079;Q Syntaxin-binding protein 5          | Stxbp5       | 24.8775 | 25.6349 | 6  | 121.71 | 15.107 | 8   | 0.461699 | 1 |
| D3Z0F5;Q3UIT2;O8 COP9 signalosome complex subuni    | Cops6        | 26.102  | 26.3253 | 8  | 33.591 | 28.167 | 39  | 0.679031 | 1 |
| D6Q0F3;D3Z0M6;C Cytoplasmic dynein 1 intermediate   | Dync1i1      | 25.4367 | 25.5182 | 10 | 70.675 | 39.584 | 40  | 0.865468 | 1 |
| D3Z1H9;Q7TMS6;C Glycolipid transfer protein         | Gltp         | 26.7944 | 25.7537 | 9  | 21.535 | 37.83  | 46  | 0.518457 | 1 |
| D3Z2J6;Q9D710 Thioredoxin-related transmembran      | Tmx2         | 24.2106 | 25.6438 | 3  | 29.591 | 21.447 | 18  | 0.051776 | 1 |
| D3Z2V6;Q3TPX5;O Ras-related protein M-Ras           | Mras         | 24.4841 | 24.6165 | 4  | 14.735 | 12.67  | 14  | 0.824478 | 1 |
| D3Z3M7;D3Z2Z1;F CAP-Gly domain-containing linker    | Clip1        | 24.858  | 24.7611 | 9  | 148    | 25.469 | 8   | 0.858487 | 1 |
| D3Z396;Q8BG33;Q Neurotrimin                         | Ntm          | 29.1052 | 29.4943 | 10 | 34.954 | 124.08 | 182 | 0.362656 | 1 |
| D3Z3B8;Q3UP61;H Disks large homolog 1               | Dlg1         | 27.8628 | 27.8402 | 28 | 91.622 | 272.88 | 119 | 0.961312 | 1 |
| D3Z440;Q9CZ04;D COP9 signalosome complex subuni     | Cops7a       | 25.6144 | 25.511  | 9  | 25.037 | 74.254 | 38  | 0.924905 | 1 |
| D3Z5I7;E9QN98;Q Inactive dipeptidyl peptidase 10    | Dpp10        | 26.7964 | 27.0673 | 15 | 89.99  | 51.271 | 50  | 0.347959 | 1 |
| D3Z5R4;E9Q2D0;P WAS/WASL-interacting protein far    | Wipf3        | 26.087  | 26.1363 | 5  | 45.137 | 19.739 | 27  | 0.921287 | 1 |
| D3Z645;Q9QZ88;D Vacuolar protein sorting-associate  | Vps29        | 26.8573 | 26.7422 | 7  | 16.137 | 45.139 | 56  | 0.867722 | 1 |
| E9Q7S0;F7BQW7;D Synaptojanin-1                      | Synj1        | 30.7571 | 30.7417 | 55 | 144.59 | 323.31 | 713 | 0.933964 | 1 |
| D3Z7C6;Q9CRH1;Q Prostaglandin E synthase 3          | Ptges3       | 27.4562 | 29.1941 | 6  | 14.982 | 72.051 | 89  | 0.131378 | 1 |
| D3Z7E5;Q2NL51 Glycogen synthase kinase-3 alpha      | Gsk3a        | 24.914  | 24.206  | 6  | 51.245 | 28.8   | 12  | 0.305112 | 1 |
| D3Z7P3;D3Z7P4 Glutaminase kidney isoform, mitoc     | Gls          | 29.7111 | 29.6751 | 29 | 73.963 | 323.31 | 354 | 0.828462 | 1 |
| D6QSS8;Q9R1V6;A Disintegrin and metalloproteinase   | Adam22       | 27.3282 | 27.7016 | 16 | 99.714 | 185.94 | 119 | 0.541415 | 1 |

|  |         |         |    |        |        |     |          |   |
|--|---------|---------|----|--------|--------|-----|----------|---|
| D9IFT4;Q8CBE6;Q8 Dystroglycan;Alpha-dystroglycan;B Dag1                                  | 24.4033 | 23.7845 | 2  | 46.725 | 4.8316 | 3   | 0.433568 | 1 |
| E0CXB9;Q61301 Catenin alpha-2 Ctnna2   | 28.4694 | 28.3374 | 36 | 106.73 | 323.31 | 175 | 0.764728 | 1 |
| E0CXN5;P13707 Glycerol-3-phosphate dehydrogenase Gpd1                                    | 26.916  | 27.544  | 15 | 35.231 | 72.896 | 75  | 0.318209 | 1 |
| E0CY11;Q9CS84;H3 Neurexin-1 Nrxn1  | 25.8954 | 25.4296 | 12 | 164.19 | 49.991 | 26  | 0.585434 | 1 |
| E0CYB9;Q6PCP5;F7 Mitochondrial fission factor Mff  | 25.0302 | 24.2052 | 3  | 35.878 | 12.311 | 14  | 0.423031 | 1 |
| Q545L9;F7D432;E9 Protein-L-isoaspartate O-methyltransferase Pcmt1                        | 29.1305 | 29.688  | 14 | 24.634 | 244.72 | 228 | 0.193015 | 1 |
| E0CZ27;P84244;P0 Histone H3;Histone H3.3;Histone H3 H3f3a;H3f3c                          | 33.1246 | 32.6544 | 5  | 13.322 | 256.02 | 389 | 0.513178 | 1 |
| E0CZ72;P28740;F8 Kinesin-like protein;Kinesin-like protein Kif2a                         | 26.6774 | 25.4249 | 18 | 83.86  | 104.1  | 59  | 0.343287 | 1 |
| E0CZ78;P48453;E9 Serine/threonine-protein phosphatase Ppp3cb                             | 27.6072 | 27.5002 | 18 | 59.074 | 51.959 | 73  | 0.834665 | 1 |
| Q3U967;E5Q371;Q Leukocyte surface antigen CD47 Cd47                                      | 24.3721 | 25.615  | 3  | 33.097 | 61.294 | 29  | 0.431349 | 1 |
| E9PU87;F6U8X4;F6 Serine/threonine-protein kinase SII Sik3                                | 24.4975 | 25.0771 | 9  | 150.66 | 96.638 | 18  | 0.582193 | 1 |
| E9PUC5;F6Z9E6;A0 PH and SEC7 domain-containing protein Psd3                              | 27.8585 | 27.5259 | 15 | 42.299 | 49.405 | 61  | 0.610674 | 1 |
| E9PUD2 Dynamin-1-like protein Dnm1l  | 30.2345 | 30.2326 | 40 | 79.532 | 323.31 | 516 | 0.996013 | 1 |
| E9PUE7;Q5SSL4 Active breakpoint cluster region-related protein Abr                       | 27.3449 | 27.2748 | 19 | 92.486 | 61.786 | 57  | 0.791001 | 1 |
| E9PUL5 Proline-rich transmembrane protein Prrt2  | 27.5185 | 27.807  | 8  | 35.923 | 62.059 | 88  | 0.636937 | 1 |
| E9PUM4;B2RY15;Q Talin-2 Tln2   | 26.9592 | 27.3895 | 40 | 271.66 | 226.36 | 96  | 0.661187 | 1 |
| E9Q171;E9PW06;Q MKIAA0756 protein Nfasc  | 25.0875 | 25.1373 | 41 | 130.24 | 4.7361 | 10  | 0.969566 | 1 |
| Q3TF41;Q8BSH9;E9 Nucleosome assembly protein 1-like Nap1l1                               | 27.1384 | 27.705  | 9  | 42.732 | 55.167 | 46  | 0.141776 | 1 |
| Q3TT92;E9PWE8;Q Dihydropyrimidinase-related protein Dpysl3                               | 28.4292 | 28.3933 | 24 | 61.779 | 162.46 | 122 | 0.774693 | 1 |
| Q91ZE6;E9PX29;Q Spectrin beta chain Sptbn4   | 24.4071 | 25.2235 | 13 | 288.13 | 25.015 | 12  | 0.343343 | 1 |
| E9PYD3;E9PXG9;Q Vacuolar protein sorting-associated protein Vps53                        | 24.6879 | 24.8765 | 3  | 62.232 | 56.002 | 14  | 0.612319 | 1 |
| F8VPX1;E9PXY8;Q6 Ubiquitin carboxyl-terminal hydrolase Usp7                              | 26.5628 | 26.7094 | 11 | 128.47 | 38.708 | 32  | 0.900341 | 1 |
| E9PY16;Q8BVR8;Q ArfGAP with dual PH domains 1 Adap1                                      | 25.2474 | 26.0932 | 11 | 43.37  | 56.769 | 41  | 0.548988 | 1 |
| E9QMK2;E9PYH0;C Versican core protein Vcan   | 27.9566 | 27.671  | 12 | 178.5  | 110.02 | 144 | 0.288327 | 1 |
| E9PYH2;Q91V12 Cytosolic acyl coenzyme A thioesterase Acot7                               | 29.5875 | 29.4906 | 12 | 42.826 | 143.28 | 372 | 0.685962 | 1 |
| Q80UN0;E9PYI8;Q Ubiquitin carboxyl-terminal hydrolase Usp14                              | 26.518  | 26.1537 | 12 | 52.233 | 49.948 | 50  | 0.325797 | 1 |
| E9PYJ7;Q6ZPQ6;Q Membrane-associated phosphatidylinositol-binding protein Pitpnm2         | 23.4798 | 23.4563 | 4  | 147.62 | 11.425 | 8   | 0.966079 | 1 |
| E9PYL9;Q9CXW4;Q 60S ribosomal protein L11 Gm10036;Rpl11                                  | 25.8718 | 24.8941 | 5  | 20.266 | 17.834 | 64  | 0.28847  | 1 |
| Q1WIL9;E9PYN1;Q Cell adhesion molecule 1 Cadm1   | 27.0028 | 26.8619 | 11 | 46.875 | 126.8  | 83  | 0.641935 | 1 |
| E9PZF0;Q5NC79;Q Nucleoside diphosphate kinase;Nucleoside diphosphate kinase Gm20390;Nme1 | 26.8115 | 27.2159 | 16 | 30.2   | 34.143 | 87  | 0.838668 | 1 |
| E9Q5H2;E9PZF5;Q Acidic leucine-rich nuclear phosphoprotein Anp32e                        | 23.1221 | 24.5492 | 2  | 12.078 | 9.8436 | 2   | 0.065467 | 1 |
| Q3UHE7;F8WGN6;I Kinesin-like protein;Kinesin-like protein Kif21a                         | 27.2925 | 27.261  | 22 | 181.4  | 185.5  | 81  | 0.883687 | 1 |
| E9Q0N0;Q9Z0R4;E Intersectin-1 Itsn1  | 24.7183 | 25.1469 | 7  | 194.89 | 50.794 | 9   | 0.580143 | 1 |

|  |  |          |         |         |        |        |        |          |          |   |
|--|--|----------|---------|---------|--------|--------|--------|----------|----------|---|
| E9Q1G8;Q8C2A3;E! Septin-7                                      | Sept7  | 31.2121  | 31.2924 | 24      | 50.648 | 323.31 | 745    | 0.587331 | 1        |   |
| E9Q1W0;E9Q1T1;C Calcium/calmodulin-dependent protein kinase II | Camk2d   | 27.0192  | 27.0548 | 22      | 57.748 | 149.89 | 53     | 0.835865 | 1        |   |
| Q8C2G0;E9Q2A6;K Protein-tyrosine kinase 2-beta                 | Ptk2b  | 26.0156  | 26.0895 | 18      | 111.13 | 48.791 | 28     | 0.751774 | 1        |   |
| E9Q2E4   | HECT domain E3 ubiquitin protein ligase 1        | Gm15800  | 28.0207 | 27.5501 | 3      | 484.12 | 6.3496 | 30       | 0.886004 | 1 |
| E9Q2X2;Q6P9K9;Q Neurexin-3                                     | Nrxn3;mKIAA07                                    | 26.4399  | 26.3523 | 16      | 153.62 | 53.674 | 36     | 0.778951 | 1        |   |
| Q6NZM3;E9Q3M3; Dynactin subunit 1                              | Dctn1  | 29.2399  | 29.1252 | 41      | 139.78 | 323.31 | 229    | 0.486688 | 1        |   |
| E9Q3M9;F7B0R9;Q 2010300C02Rik protein                          | 2010300C02Rik                                    | 26.9288  | 25.9613 | 18      | 125.91 | 66.488 | 31     | 0.132279 | 1        |   |
| E9Q3Q6;E9Q4G8;C CD166 antigen                                  | Alcam  | 28.8403  | 28.6598 | 21      | 63.668 | 159.01 | 191    | 0.670226 | 1        |   |
| H7BX15;E9Q9Q9;E! Latrophilin-1                                 | Adgrl1;Lphn1                                     | 25.7474  | 26.8048 | 9       | 162.28 | 47.063 | 13     | 0.379733 | 1        |   |
| E9Q3W4;Q6S390;C Plectin  | Plec   | 30.0961  | 29.9652 | 129     | 499.1  | 323.31 | 449    | 0.287429 | 1        |   |
| E9Q4D5;Q8VEL9  | GTP-binding protein REM 2                        | Rem2     | 24.8076 | 25.0475 | 4      | 37.397 | 16.042 | 18       | 0.541872 | 1 |
| Q19VH2;E9Q4K0;Q Actin-binding LIM protein 2                    | Ablim2   | 26.0387  | 26.5904 | 10      | 73.589 | 51.233 | 33     | 0.137599 | 1        |   |
| E9Q4M4;Q9DA45;C MICOS complex subunit Mic25                    | Chchd6   | 27.7499  | 27.761  | 11      | 26.388 | 55.926 | 67     | 0.990168 | 1        |   |
| E9Q6P5   | Tetratricopeptide repeat protein 7               | Ttc7b    | 25.4871 | 25.5587 | 12     | 94.202 | 30.643 | 26       | 0.839043 | 1 |
| E9Q769;Q9D8B7  | Junctional adhesion molecule C                   | Jam3     | 23.2166 | 23.9035 | 3      | 24.032 | 6.9267 | 11       | 0.389969 | 1 |
| Q5UE59;E9Q7C9;Q Kinesin light chain 1                          | Klc1   | 26.6781  | 26.755  | 16      | 61.629 | 225.58 | 64     | 0.370966 | 1        |   |
| E9Q7U2;Q8CGU1  | Calcium-binding and coiled-coil domain protein 1 | Calcoco1 | 24.2512 | 24.8351 | 6      | 70.932 | 31.984 | 10       | 0.580941 | 1 |
| E9Q8N5;Q08EB6;Q CLIP-associating protein 2                     | Clasp2   | 26.3654  | 26.2431 | 24      | 140.72 | 105.67 | 50     | 0.902445 | 1        |   |
| Q3TU36;E9Q912;Q3TA69;Q3TPS9;Q3TLU4                             | Rap1gds1   | 30.402   | 30.2801 | 33      | 66.005 | 323.31 | 544    | 0.522659 | 1        |   |
| E9Q933;Q8BK08;Z4 Transmembrane protein 11, mitochondrial       | Tmem11   | 23.158   | 23.6151 | 2       | 19.808 | 6.1599 | 12     | 0.396659 | 1        |   |
| E9QAQ3;Q6ZQ82;F Rho GTPase-activating protein 26               | Arhgap26   | 24.6034  | 23.1881 | 3       | 85.951 | 6.546  | 4      | 0.08169  | 1        |   |
| Q5KU03;E9QAQ5;C Glycogen synthase kinase-3 beta                | Gsk3b  | 28.1203  | 28.2475 | 13      | 46.71  | 74.578 | 58     | 0.778514 | 1        |   |
| Q5M8Q0;Q3U7D2; Ribosomal protein L15;60S ribosomal protein L15 | Rpl15;Gm1002C                                    | 24.4026  | 24.9181 | 7       | 24.146 | 63.243 | 23     | 0.645746 | 1        |   |
| E9QB02;Q68FL6  | Methionine--tRNA ligase, cytoplasmic             | Mars     | 23.9944 | 24.3818 | 8      | 102.37 | 22.686 | 10       | 0.510834 | 1 |
| E9QK62;Q8CHT1  | Ephexin-1  | Ngef     | 27.4797 | 27.6273 | 19     | 82.208 | 241.55 | 88       | 0.36677  | 1 |
| Q3TPI3;Q3UHH4;Q Tripartite motif-containing protein 2          | Trim2  | 27.1773  | 27.0316 | 16      | 81.426 | 176.16 | 59     | 0.254815 | 1        |   |
| E9QLA5;Q0GNC1  | Inverted formin-2                                | Inf2     | 27.0854 | 25.9328 | 10     | 138.36 | 89.824 | 25       | 0.3202   | 1 |
| E9QLL2;Q8BZ98;Q8 Dynamin-3                                     | Dnm3   | 28.9794  | 29.0189 | 45      | 97.272 | 323.31 | 258    | 0.921706 | 1        |   |
| E9QM38;P55012  | Solute carrier family 12 member 2                | Slc12a2  | 24.4211 | 24.3737 | 6      | 130.67 | 21.301 | 9        | 0.959497 | 1 |
| E9QMY1;Q80VX2;C COX-2 membrane glycoprotein                    | Cd200  | 26.1857  | 25.0847 | 7       | 30.292 | 43.045 | 35     | 0.554889 | 1        |   |
| E9QN08;Q80T06;P! Elongation factor 1-delta                     | Eef1d  | 25.6239  | 25.3665 | 6       | 27.217 | 34.983 | 35     | 0.875214 | 1        |   |
| E9QNF7;Q9CPW0  | Contactin-associated protein-like 2              | Cntnap2  | 25.4234 | 26.9494 | 16     | 148.25 | 55.316 | 34       | 0.311101 | 1 |
| G5E8R3;Q3TCQ3;E! Pyruvate carboxylase;Pyruvate carboxylase     | Pcx;Pc   | 29.9264  | 29.8266 | 46      | 129.7  | 323.31 | 379    | 0.624149 | 1        |   |

|                  |                                   |               |         |         |    |        |        |      |          |   |
|------------------|-----------------------------------|---------------|---------|---------|----|--------|--------|------|----------|---|
| Q923F9;E9QPX3;Q  | NADH dehydrogenase [ubiquinone    | Ndufs4        | 27.8128 | 27.5769 | 8  | 18.518 | 38.622 | 97   | 0.77055  | 1 |
| F6QL70;Q5M8M8;I  | 60S ribosomal protein L29         | Gm17669;Rpl25 | 25.9274 | 24.7312 | 4  | 16.966 | 8.2645 | 15   | 0.59849  | 1 |
| F6RJV6;Q9JJK2    | LanC-like protein 2               | Lancl2        | 26.946  | 26.5802 | 14 | 49.742 | 87.986 | 81   | 0.276606 | 1 |
| F6RPJ9;Q8CGB9;Q  | Insulin-degrading enzyme          | Ide           | 24.3442 | 23.6848 | 5  | 114.15 | 9.7582 | 6    | 0.362447 | 1 |
| F6RT34;F7A0B0;F6 | Myelin basic protein              | Mbp           | 36.4464 | 35.9607 | 16 | 23.086 | 311.84 | 3601 | 0.378007 | 1 |
| F6SEU4;A0A0A6YV  | Ras/Rap GTPase-activating protein | Syngap1       | 29.4479 | 29.524  | 46 | 148.24 | 323.31 | 313  | 0.815946 | 1 |
| F6SFF5;Q8K1Z0    | Ubiquinone biosynthesis protein C | Coq9          | 25.1304 | 25.7774 | 5  | 30.282 | 26.27  | 34   | 0.514177 | 1 |
| F6VQ81;Q8BKP1;A  | Tumor protein D54                 | Tpd52l2       | 25.4268 | 26.1674 | 8  | 17.619 | 44.149 | 35   | 0.381255 | 1 |
| F6X0V1;Q8BRR9;Q  | Calcium/calmodulin-dependent 3,   | Pde1a         | 24.5574 | 24.1053 | 8  | 54.45  | 18.39  | 17   | 0.717321 | 1 |
| Q561N5;F6YVP7;P  | 40S ribosomal protein S18         | Rps18;Gm1026l | 27.0522 | 27.5364 | 12 | 17.718 | 39.693 | 111  | 0.460255 | 1 |
| S4R1E5;Q3TI34;Q5 | Glutathione peroxidase;Phospholip | Gpx4;PHGpx    | 24.7339 | 26.2996 | 6  | 17.937 | 20.916 | 55   | 0.19968  | 1 |
| F7ARZ1;Q3THH3;Q  | 28S ribosomal protein S23, mitoch | Mrps23        | 23.9234 | 24.0468 | 2  | 13.295 | 3.8462 | 7    | 0.888327 | 1 |
| Q8C0B4;F7BNZ5;Q  | Breast carcinoma-amplified sequer | Bcas1         | 26.8232 | 26.8912 | 7  | 40.541 | 53.327 | 39   | 0.902816 | 1 |
| F7D5L2;Q99J09    | Methylosome protein 50            | Wdr77         | 23.0819 | 23.5379 | 3  | 18.128 | 9.1617 | 4    | 0.373353 | 1 |
| F8VQE9;Q8VHH5;A  | Arf-GAP with GTPase, ANK repeat   | Agap3         | 25.8614 | 25.6692 | 10 | 97.694 | 44.119 | 30   | 0.53144  | 1 |
| F8WGG3;Q8R038;C  | UPF0160 protein MYG1, mitochon    | Myg1          | 24.3026 | 23.18   | 4  | 36.549 | 8.7337 | 7    | 0.065313 | 1 |
| Q3UHH0;Q3UHU3;F  | Calcium-transporting ATPase;Plasn | Atp2b2        | 29.4885 | 29.6194 | 44 | 132.1  | 323.31 | 286  | 0.871522 | 1 |
| F8WHQ1;D3Z637;E  | Tumor protein D52                 | Tpd52         | 26.5001 | 27.457  | 9  | 26.927 | 98.336 | 37   | 0.374054 | 1 |
| F8WHW6;O70161    | Phosphatidylinositol 4-phosphate  | Pip5k1c       | 28.3149 | 28.233  | 20 | 75.515 | 237.58 | 131  | 0.794412 | 1 |
| Q3U7I9;F8WIR1;Q  | Cathepsin D                       | Ctsd          | 24.628  | 24.7607 | 10 | 44.314 | 31.766 | 27   | 0.893452 | 1 |
| H7BxB9;F8WIU1;Q  | UPF0687 protein C20orf27 homolo   | 1700037H04Rik | 24.9074 | 26.3815 | 4  | 15.773 | 15.905 | 19   | 0.311341 | 1 |
| F8WJK8;Q3U9V1;Q  | Hsc70-interacting protein         | St13          | 28.2327 | 28.108  | 11 | 40.538 | 112.86 | 131  | 0.788505 | 1 |
| G3UXM5;G3FEZ6;G  | Serine/threonine-protein kinase   | Brsk2         | 24.736  | 24.9699 | 9  | 68.714 | 24.1   | 13   | 0.634992 | 1 |
| G3UX26;Q60930;D  | Voltage-dependent anion-selective | Vdac2         | 31.6099 | 31.6667 | 13 | 30.446 | 323.31 | 941  | 0.887221 | 1 |
| Q3TI27;G3UXL2;Q  | Ribose-phosphate pyrophosphokin   | Prps1;Prps1l3 | 27.4205 | 27.6217 | 11 | 34.865 | 87.359 | 121  | 0.689449 | 1 |
| G3UXT7;Q8CFQ9;Q  | RNA-binding protein FUS           | Fus           | 27.4941 | 27.4639 | 10 | 13.897 | 77.927 | 71   | 0.955365 | 1 |
| G3UXY0;G3X9K9;G  | Proteasome activator complex sub  | Psme1         | 23.9248 | 24.4548 | 4  | 26.092 | 23.724 | 12   | 0.654334 | 1 |
| G3UZM4;Q8BLQ9    | Cell adhesion molecule 2          | Cadm2         | 29.8001 | 29.8038 | 14 | 47.345 | 265.93 | 222  | 0.991872 | 1 |
| Q9CQG4;Q921E4;C  | Receptor expression-enhancing pro | Reep5         | 27.6424 | 27.8731 | 6  | 21.086 | 25.727 | 48   | 0.798758 | 1 |
| Q3V222;Q80U83;Q  | SEC24 related gene family, membe  | Sec24c        | 24.4389 | 24.3795 | 7  | 89.316 | 43.498 | 11   | 0.843009 | 1 |
| G3X9G2;Q9JM52;F  | Misshapen-like kinase 1           | Mink1         | 27.4722 | 27.4494 | 16 | 151.22 | 46.845 | 54   | 0.970405 | 1 |
| Q8BxB3;Q68FLO;G  | Sodium/calcium exchanger 1        | Slc8a1        | 24.7209 | 25.3906 | 6  | 79.093 | 14.791 | 9    | 0.606828 | 1 |
| G3X9L6;Q9DCX2;B  | ATP synthase subunit d, mitochon  | Gm10250;Atp5l | 31.2819 | 31.3075 | 12 | 18.621 | 257.15 | 476  | 0.956305 | 1 |

|  |         |         |    |        |        |      |          |   |
|--|---------|---------|----|--------|--------|------|----------|---|
| G3XA25;Q8CAY6;Q Acetyl-CoA acetyltransferase, cyto: Acat2;Acat3    | 26.6798 | 27.0033 | 10 | 38.147 | 127.85 | 86   | 0.641147 | 1 |
| Q3UVV3;G3XA53;C Oligodendrocyte-myelin glycoprotein Omg            | 29.0981 | 28.9984 | 9  | 49.283 | 309.4  | 170  | 0.659545 | 1 |
| G3XA66;Q8R5C0;F Metaxin-1 Mtx1                                     | 25.7977 | 25.3196 | 10 | 33.48  | 31.592 | 26   | 0.560441 | 1 |
| G5E814;Q9D8B4 NADH dehydrogenase [ubiquinone Ndufa11               | 24.2808 | 24.0799 | 4  | 15.115 | 18.86  | 30   | 0.889938 | 1 |
| G5E829;Q8K314 Plasma membrane calcium-transp Atp2b1                | 30.6931 | 31.0191 | 48 | 134.75 | 323.31 | 760  | 0.724721 | 1 |
| G5E850;Q544Z9;P5 Cytochrome b5 Cyb5a                               | 26.455  | 26.9664 | 5  | 11.142 | 26.954 | 67   | 0.339211 | 1 |
| G5E884;O88643 Non-specific serine/threonine prot Pak1              | 28.9496 | 29.0235 | 23 | 60.607 | 298.04 | 186  | 0.534632 | 1 |
| Q8BIV6;G5E895;D3 Aldose reductase-related protein 2 Akr1b10;Akr1b8 | 26.3947 | 26.6018 | 7  | 35.848 | 20.535 | 26   | 0.680897 | 1 |
| G5E8R0;E9Q453;G5E8R1;E9Q455;G5E8R2;E9Q456 Tpm1                     | 28.3713 | 28.3104 | 23 | 28.343 | 106.89 | 142  | 0.887902 | 1 |
| G5E924;Q3UMT7 Heterogeneous nuclear ribonucleo Hnrnp1              | 28.3712 | 28.4302 | 24 | 66.821 | 236.23 | 140  | 0.920485 | 1 |
| H3BJU7;H3BJX8;H3 Rho guanine nucleotide exchange f Arhgef2         | 26.5833 | 26.5936 | 22 | 108.59 | 90.381 | 34   | 0.97851  | 1 |
| H3BKQ7;Q7TSA7;H Protein phosphatase 1, regulatory Ppp1r9a          | 28.6783 | 28.4784 | 24 | 107.17 | 288.41 | 148  | 0.460221 | 1 |
| H3BJZ7;Q4KUS2;Q Protein unc-13 homolog A;Protein Unc13a;mKIAA4     | 23.354  | 24.2248 | 4  | 195.83 | 13.42  | 10   | 0.044201 | 1 |
| H3BKH6;Q9R0P3;H S-formylglutathione hydrolase Esd                  | 28.9277 | 29.109  | 13 | 32.829 | 231.09 | 165  | 0.366068 | 1 |
| Q3TPT3;H6RXZ1;P4 Synaptotagmin-1 Syt1                              | 31.0332 | 31.2403 | 25 | 47.435 | 323.31 | 832  | 0.415624 | 1 |
| H7BX95;Q6PDM2 Serine/arginine-rich splicing factor Srsf1           | 26.4342 | 26.4395 | 9  | 28.329 | 37.454 | 50   | 0.993586 | 1 |
| I1E4X7;Q9JI46;H3B Diphosphoinositol polyphosphate p Nudt3          | 27.6477 | 27.6428 | 6  | 17.828 | 47.518 | 87   | 0.994327 | 1 |
| J3QJV7;O35551 Rab GTPase-binding effector protei Rabep1            | 27.6659 | 27.2821 | 12 | 89.827 | 63.795 | 16   | 0.383305 | 1 |
| J3QMM7;K3W4M4 ATP-dependent (S)-NAD(P)H-hydra Carkd                | 26.8766 | 27.0766 | 11 | 35.169 | 55.744 | 71   | 0.383831 | 1 |
| Q3UBP0;J3QN31;P Adenylosuccinate synthetase isozy Adssl1           | 24.3892 | 24.8254 | 8  | 50.254 | 20.259 | 16   | 0.659044 | 1 |
| J3QNU6;Q8BWG8 Beta-arrestin-1 Arrb1                                | 25.2284 | 26.1542 | 5  | 47.106 | 38.953 | 18   | 0.195536 | 1 |
| K3W4Q8;O55108;C Basigin Bsg  | 26.7997 | 26.6299 | 8  | 24.116 | 62.103 | 48   | 0.306795 | 1 |
| Q6NXX6;K3W4T3;C V-type proton ATPase subunit a;V-1 Atp6v0a1        | 30.1087 | 30.3788 | 31 | 95.64  | 323.31 | 635  | 0.753639 | 1 |
| K4DI58;Q99N28 Cell adhesion molecule 3 Cadm3                       | 29.5583 | 29.3514 | 14 | 46.692 | 323.31 | 204  | 0.685179 | 1 |
| Q9D859;K7Q7T7;P Ras-related C3 botulinum toxin sub Rac1            | 31.2796 | 31.264  | 11 | 21.464 | 193.79 | 581  | 0.968741 | 1 |
| N0E4C0;P67871;N Casein kinase II subunit beta Csnk2b;Csnk2b-       | 26.1542 | 27.1997 | 5  | 24.912 | 44.575 | 49   | 0.086565 | 1 |
| Q3U8S5;O08529;Q Calpain-2 catalytic subunit Capn2                  | 25.3473 | 26.1342 | 13 | 79.873 | 55.439 | 33   | 0.439679 | 1 |
| O08539;Q6P1B9 Myc box-dependent-interacting pr Bin1                | 30.3437 | 30.3913 | 26 | 64.469 | 322.53 | 332  | 0.832476 | 1 |
| O08553 Dihydropyrimidinase-related prote Dpysl2                    | 35.0421 | 35.0338 | 37 | 62.277 | 323.31 | 4364 | 0.941433 | 1 |
| O08583 THO complex subunit 4 Alyref                                | 24.7705 | 24.9797 | 5  | 26.94  | 23.071 | 16   | 0.822325 | 1 |
| O08599 Syntaxin-binding protein 1 Stxbp1                           | 33.4618 | 33.3979 | 56 | 67.568 | 323.31 | 2814 | 0.699825 | 1 |
| O08749;Q3TIE8 Dihydrolipoyl dehydrogenase, mitc Dld                | 31.0737 | 31.1705 | 24 | 54.272 | 323.31 | 703  | 0.736073 | 1 |
| Q5DTH1;O08759 Ubiquitin-protein ligase E3A Ube3a                   | 23.9521 | 24.6746 | 9  | 103.34 | 23.468 | 10   | 0.544349 | 1 |

|                  |                                      |             |         |         |    |        |        |     |          |   |
|------------------|--------------------------------------|-------------|---------|---------|----|--------|--------|-----|----------|---|
| Q3U518;Q3TWG2;G  | Glucosidase 2 subunit beta           | Prkcsh      | 25.8438 | 26.1427 | 10 | 58.792 | 52.677 | 34  | 0.744661 | 1 |
| Q540I4;O08917;Q3 | Flotillin-1                          | Flot1       | 27.2923 | 27.4502 | 19 | 47.513 | 135.54 | 72  | 0.152249 | 1 |
| Q3UH86;O08919    | Numb-like protein                    | Numb1       | 25.8967 | 24.4527 | 8  | 60.079 | 27.714 | 19  | 0.080901 | 1 |
| Q6RI64;O09061    | Proteasome subunit beta type;Pro     | Psmb1       | 27.9621 | 28.4195 | 10 | 26.372 | 80.496 | 103 | 0.405583 | 1 |
| Q4VBC9;O09111    | NADH dehydrogenase [ubiquinone       | Ndubf11     | 27.3527 | 26.0756 | 4  | 17.485 | 10.259 | 27  | 0.416432 | 1 |
| O09131           | Glutathione S-transferase omega-1    | Gsto1       | 25.3506 | 24.9781 | 8  | 27.497 | 24.404 | 33  | 0.7928   | 1 |
| O35127           | Protein C10                          | Grcc10      | 23.3309 | 22.8417 | 1  | 13.194 | 8.5074 | 3   | 0.734274 | 1 |
| Q3V235;O35129;F6 | Prohibitin-2                         | Phb2        | 30.1335 | 30.138  | 16 | 33.296 | 279.16 | 401 | 0.981128 | 1 |
| O35136           | Neural cell adhesion molecule 2      | Ncam2       | 27.1018 | 26.8644 | 13 | 93.203 | 57.557 | 35  | 0.266038 | 1 |
| Q3UNI8;O35215;G3 | D-dopachrome decarboxylase           | Ddt;Gm20441 | 27.3965 | 27.4723 | 7  | 13.077 | 136.92 | 106 | 0.943123 | 1 |
| Q9CY29;Q3ULG4;O  | 26S proteasome non-ATPase regul      | Psmc4       | 25.5371 | 25.6186 | 5  | 40.042 | 24.265 | 18  | 0.907894 | 1 |
| Q3UKJ6;Q3TFE5;O3 | Pre-mRNA-splicing factor ATP-depe    | Dhx15       | 24.536  | 24.656  | 10 | 91.006 | 28.38  | 14  | 0.919424 | 1 |
| O35295           | Transcriptional activator protein Pt | Purb        | 27.3011 | 27.54   | 9  | 33.901 | 86.752 | 58  | 0.25856  | 1 |
| O35405           | Phospholipase D3                     | Pld3        | 26.7563 | 26.5273 | 7  | 54.388 | 24.111 | 32  | 0.817128 | 1 |
| O35459;F7B227    | Delta(3,5)-Delta(2,4)-dienoyl-CoA i  | Ech1        | 24.8998 | 24.6003 | 4  | 36.118 | 11.982 | 8   | 0.684081 | 1 |
| Q5D0A4;Q497P1;O  | Syntaxin-1A                          | Stx1a       | 30.6545 | 30.6175 | 19 | 32.923 | 323.31 | 542 | 0.896401 | 1 |
| Q9CSU2;O35593    | 26S proteasome non-ATPase regul      | Psmc14      | 24.1853 | 25.933  | 5  | 28.772 | 20.837 | 23  | 0.109374 | 1 |
| Q545Q8;O35621;Q  | Phosphomannomutase;Phosphom          | Pmm1        | 24.8876 | 25.8974 | 8  | 29.774 | 37.367 | 31  | 0.42565  | 1 |
| Q49S98;O35633    | Vesicular inhibitory amino acid trar | Slc32a1     | 27.2931 | 27.1545 | 13 | 57.38  | 63.133 | 71  | 0.874605 | 1 |
| Q8C1X9;Q3U737;Q  | Annexin;Annexin A3                   | Anxa3       | 24.0751 | 23.743  | 2  | 36.356 | 4.5746 | 13  | 0.101739 | 1 |
| O35685           | Nuclear migration protein nudC       | Nudc        | 26.6605 | 25.9572 | 12 | 38.358 | 48.787 | 42  | 0.547944 | 1 |
| Q811L7;Q8C2Q7;O  | Heterogeneous nuclear ribonucleo     | Hnrnph1     | 28.9934 | 29.088  | 11 | 49.199 | 261.05 | 200 | 0.331612 | 1 |
| O35864;Q3V0K7    | COP9 signalosome complex subuni      | Cops5       | 26.1132 | 26.0042 | 9  | 37.548 | 23.842 | 43  | 0.873886 | 1 |
| O35954           | Membrane-associated phosphatid       | Pitpnm1     | 25.4241 | 25.485  | 11 | 134.94 | 33.383 | 31  | 0.871161 | 1 |
| O54774;Q3U237;Q  | AP-3 complex subunit delta-1         | Ap3d1       | 26.9352 | 26.9701 | 16 | 135.08 | 56.013 | 51  | 0.901866 | 1 |
| Q3UUR0;O54828;A  | Regulator of G-protein signaling 9   | Rgs9        | 24.0477 | 24.5351 | 6  | 56.94  | 45.974 | 15  | 0.55288  | 1 |
| Q8BPF9;Q545V8;O  | Casein kinase II subunit alpha       | Csnk2a2     | 24.1449 | 25.5644 | 11 | 41.171 | 24.734 | 19  | 0.121354 | 1 |
| Q3UTI4;Q80YP4;O3 | Guanylate cyclase soluble subunit l  | Gucy1b3     | 25.4791 | 25.5722 | 14 | 69.005 | 39.689 | 42  | 0.875537 | 1 |
| Q3UPX0;O54983    | Ketimine reductase mu-crystallin     | Crym        | 30.8534 | 30.7451 | 14 | 33.523 | 323.31 | 494 | 0.811456 | 1 |
| O54984;Q8VEI6;Q3 | ATPase Asna1                         | Asna1       | 25.9613 | 26.2507 | 7  | 38.822 | 28.273 | 51  | 0.441962 | 1 |
| O54991;Q3U428    | Contactin-associated protein 1       | Cntnap1     | 28.3672 | 28.3228 | 23 | 156.31 | 115.21 | 138 | 0.888151 | 1 |
| Q3U9K9;O55013    | Trafficking protein particle comple  | Trappc3     | 24.7788 | 24.7672 | 4  | 20.302 | 10.52  | 28  | 0.99189  | 1 |
| Q3TFP8;Q3TXU8;Q  | Membrane-associated progesteror      | Pgrmc1      | 28.5281 | 28.7443 | 11 | 19.746 | 71.872 | 149 | 0.594918 | 1 |

|                 |   |             |         |         |    |        |        |      |          |   |
|-----------------|---|-------------|---------|---------|----|--------|--------|------|----------|---|
| O55042          | Alpha-synuclein                                 | Snca        | 31.798  | 32.528  | 10 | 14.485 | 307.14 | 485  | 0.553657 | 1 |
| Q3U6D7;O55100   | Synaptogyrin-1                                  | Syngn1      | 27.3244 | 27.4407 | 3  | 21.294 | 34.729 | 99   | 0.839617 | 1 |
| O55106;F8WH41;C | Striatin  | Strn        | 28.0009 | 27.8755 | 19 | 85.965 | 174.73 | 123  | 0.498699 | 1 |
| Q5SVF7;O55125;Q | Protein NipSnap homolog 1                       | Nipsnap1    | 29.4588 | 29.8161 | 17 | 33.363 | 323.31 | 306  | 0.45427  | 1 |
| Q99L15;Q6P2K2;O | Acyl-coenzyme A thioesterase 1;Ac Acot1;Acot2   |             | 24.2508 | 24.6271 | 3  | 46.248 | 6.2701 | 8    | 0.429938 | 1 |
| Q5DTI2;O55143;O | Sarcoplasmic/endoplasmic reticulum Atp2a2       |             | 30.0394 | 30.1917 | 41 | 116.6  | 323.31 | 474  | 0.872425 | 1 |
| O55234          | Proteasome subunit beta type-5                  | Psm5        | 27.6074 | 28.889  | 13 | 28.532 | 109.38 | 135  | 0.048165 | 1 |
| Q9CZS7;Q544E3;O | Phosphatidylinositol 5-phosphate 4 Pip4k2a      |             | 25.5671 | 24.5996 | 9  | 46.09  | 11.455 | 19   | 0.356691 | 1 |
| O70274;Q3UXF9;B | Protein tyrosine phosphatase type Ptp4a2;Ptp4a1 |             | 23.9785 | 24.3074 | 3  | 19.127 | 6.9628 | 8    | 0.449626 | 1 |
| Q9DCD8;Q58EV4;C | Proteasome subunit alpha type;Prc               | Psm3        | 27.8222 | 28.1396 | 11 | 28.49  | 77.121 | 123  | 0.391215 | 1 |
| Q8BH40;O70439;Q | Syntaxin-7                                      | Stx7        | 25.1156 | 25.8897 | 6  | 29.736 | 34.612 | 31   | 0.406225 | 1 |
| Q542R8;O70443;Q | Guanine nucleotide-binding protein              | Gnaz        | 27.4599 | 27.4845 | 14 | 40.849 | 143.27 | 122  | 0.91389  | 1 |
| O70569;P62264;D | 40S ribosomal protein S14                       | rps14;Rps14 | 27.1079 | 26.9646 | 9  | 16.301 | 47.848 | 69   | 0.771124 | 1 |
| Q3TJY2;O88342;Q | WD repeat-containing protein 1                  | Wdr1        | 29.6083 | 29.8437 | 23 | 66.406 | 290.95 | 276  | 0.114947 | 1 |
| Q3TI40;O88441;Q | Metaxin-2                                       | Mtx2        | 24.5456 | 26.0422 | 8  | 29.786 | 80.44  | 54   | 0.243993 | 1 |
| Q3TEL0;Q3UB92;Q | Palmitoyl-protein thioesterase 1                | Ppt1        | 25.9718 | 25.8995 | 10 | 34.154 | 64.029 | 59   | 0.959599 | 1 |
| Q5SUV8;O88533   | Aromatic-L-amino-acid decarboxylase             | Ddc         | 27.7025 | 27.6208 | 15 | 53.873 | 139.03 | 97   | 0.866135 | 1 |
| Q14AI7;O88544;Q | COP9 signalosome complex subunit                | Cops4       | 27.4793 | 27.3779 | 22 | 46.284 | 186.3  | 103  | 0.591348 | 1 |
| O88569;B7ZP22;A | Heterogeneous nuclear ribonucleoprotein         | Hnrnpa2b1   | 31.5685 | 31.7203 | 28 | 37.402 | 323.31 | 690  | 0.454306 | 1 |
| O88737          | Protein bassoon                                 | Bsn         | 30.1385 | 30.1744 | 88 | 418.84 | 323.31 | 414  | 0.813263 | 1 |
| Q3UEX4;O88741;Q | Ganglioside-induced differentiation factor      | Gdap1       | 23.8435 | 24.3844 | 5  | 41.284 | 26.615 | 15   | 0.552193 | 1 |
| Q561M4;Q3UDC3;I | Target of Myb protein 1                         | Tom1        | 25.5562 | 24.9047 | 9  | 54.325 | 51.653 | 19   | 0.637474 | 1 |
| Q5HZJ8;Q8C338;O | Isocitrate dehydrogenase [NADP];l               | Idh1        | 28.556  | 28.3409 | 18 | 46.674 | 133.93 | 189  | 0.728923 | 1 |
| O88935          | Synapsin-1                                      | Syn1        | 33.3716 | 33.3684 | 35 | 74.096 | 323.31 | 2391 | 0.987207 | 1 |
| O88951          | Protein lin-7 homolog B                         | Lin7b       | 23.3028 | 25.0623 | 8  | 22.914 | 18.154 | 15   | 0.024241 | 1 |
| Q3TTY6;Q3UX93;O | Protein lin-7 homolog C                         | Lin7c       | 23.9209 | 24.4872 | 6  | 21.447 | 15.984 | 14   | 0.415158 | 1 |
| O88958;Q6A0D9;Q | Glucosamine-6-phosphate isomerase               | Gnpda1      | 24.3744 | 25.3265 | 8  | 32.549 | 22.533 | 24   | 0.377161 | 1 |
| Q8BNF3;Q3U2Z6;Q | Tripeptidyl-peptidase 1                         | Tpp1        | 25.1379 | 26.5991 | 5  | 34.522 | 53.634 | 25   | 0.058677 | 1 |
| Q3U232;Q3U1N0;C | Coronin;Coronin-1A                              | Coro1a      | 29.8829 | 30.0389 | 18 | 50.959 | 323.31 | 251  | 0.656179 | 1 |
| O89112;B2KGR2   | LanC-like protein 1                             | Lancl1      | 26.6995 | 26.7377 | 10 | 45.341 | 92.432 | 87   | 0.87706  | 1 |
| Q99KF5;P00493   | Hypoxanthine-guanine phosphoribosyltransferase  | Hprt;Hprt1  | 28.6269 | 29.4792 | 13 | 24.544 | 69.265 | 227  | 0.056977 | 1 |
| P00920;A0A0A6YX | Carbonic anhydrase 2                            | Ca2;Car2    | 31.8689 | 31.9488 | 14 | 29.032 | 305.81 | 673  | 0.780533 | 1 |
| Q53YX2;P01831   | Thy-1 membrane glycoprotein                     | Thy1        | 33.2177 | 32.9142 | 6  | 18.108 | 201.71 | 930  | 0.435581 | 1 |

|                  |                                       |                |         |         |    |        |        |      |          |   |
|------------------|---------------------------------------|----------------|---------|---------|----|--------|--------|------|----------|---|
| P03995           | Glial fibrillary acidic protein       | Gfap           | 30.4583 | 30.4451 | 32 | 49.899 | 323.31 | 425  | 0.978297 | 1 |
| Q9QYT9;Q4FJQ7;Q  | Major prion protein                   | Prnpb;Prnp     | 27.5729 | 27.4255 | 5  | 28.009 | 34.042 | 48   | 0.789188 | 1 |
| P05063           | Fructose-bisphosphate aldolase C      | Aldoc          | 31.4436 | 31.6362 | 34 | 39.394 | 323.31 | 1175 | 0.268899 | 1 |
| Q5FWB7;P05064;A  | Fructose-bisphosphate aldolase;Fructo | Aldoa;Aldoart1 | 34.5415 | 34.6701 | 38 | 39.355 | 323.31 | 2969 | 0.519529 | 1 |
| P05132           | cAMP-dependent protein kinase ca      | Prkaca         | 26.3715 | 25.9553 | 20 | 40.57  | 44.882 | 45   | 0.154413 | 1 |
| P05201           | Aspartate aminotransferase, cytop     | Got1           | 32.5902 | 32.6021 | 30 | 46.247 | 323.31 | 1914 | 0.954689 | 1 |
| P05202           | Aspartate aminotransferase, mitoc     | Got2           | 33.3735 | 33.4226 | 36 | 47.411 | 323.31 | 2378 | 0.711268 | 1 |
| P05213;Q99KA2    | Tubulin alpha-1B chain                | Tuba1b         | 36.0438 | 36.056  | 35 | 50.151 | 323.31 | 7981 | 0.929951 | 1 |
| Q564E2;P06151;Q5 | L-lactate dehydrogenase;L-lactate d   | Ldha           | 32.195  | 32.1116 | 26 | 36.498 | 323.31 | 1107 | 0.800817 | 1 |
| P06745;B2RXT5;B7 | Glucose-6-phosphate isomerase         | Gpi;Gpi1       | 32.5677 | 32.4964 | 32 | 62.766 | 323.31 | 1392 | 0.484945 | 1 |
| Q3TQP6;P06801;Q1 | Malic enzyme;NADP-dependent malic     | Me1            | 24.6631 | 24.9044 | 7  | 61.48  | 68.318 | 13   | 0.378486 | 1 |
| P06837           | Neuromodulin                          | Gap43          | 31.0161 | 31.3997 | 17 | 23.632 | 323.31 | 296  | 0.135374 | 1 |
| Q546G4;P07724    | Serum albumin                         | Alb            | 31.7481 | 31.6095 | 46 | 68.692 | 323.31 | 1212 | 0.675941 | 1 |
| Q80Y52;P07901;Q5 | Heat shock protein HSP 90-alpha       | Hsp90aa1       | 32.7726 | 32.7212 | 58 | 84.787 | 323.31 | 2173 | 0.838689 | 1 |
| Q91V38;Q3UAD6;P  | Endoplasmic reticulum chaperonin      | Hsp90b1        | 29.6768 | 29.5534 | 37 | 92.489 | 323.31 | 298  | 0.713501 | 1 |
| Q6GTX3;Q4FK40;Q  | Apolipoprotein E                      | ApoE           | 28.966  | 28.8382 | 17 | 35.852 | 228.52 | 193  | 0.73076  | 1 |
| P08228           | Superoxide dismutase [Cu-Zn]          | Sod1           | 31.4104 | 31.0342 | 9  | 15.942 | 87.826 | 339  | 0.56199  | 1 |
| P08249           | Malate dehydrogenase, mitochondri     | Mdh2           | 34.1893 | 34.0447 | 22 | 35.611 | 323.31 | 2692 | 0.509107 | 1 |
| Q8BGR3;P08414    | Calcium/calmodulin-dependent prot     | Camk4          | 28.5183 | 28.0361 | 16 | 52.542 | 103.41 | 131  | 0.460518 | 1 |
| Q05DD2;P08551    | Neurofilament light polypeptide       | Nefl           | 32.3936 | 32.2353 | 41 | 57.825 | 323.31 | 1221 | 0.43447  | 1 |
| P08752;A0A0A6YW  | Guanine nucleotide-binding protein    | Gnai2          | 27.758  | 27.5533 | 20 | 40.489 | 133.1  | 117  | 0.531433 | 1 |
| Q3UDR2;Q3URP6;C  | Protein disulfide-isomerase           | P4hb           | 28.9974 | 29.137  | 27 | 56.6   | 219.27 | 186  | 0.619618 | 1 |
| Q8CD23;Q3TL52;P1 | Nucleolin                             | Ncl            | 27.9361 | 27.9125 | 19 | 76.864 | 191.08 | 176  | 0.964705 | 1 |
| P09411;S4R2M7    | Phosphoglycerate kinase 1;Phosph      | Pgk1           | 32.8081 | 32.7223 | 34 | 44.55  | 323.31 | 1571 | 0.734198 | 1 |
| P09528           | Ferritin heavy chain;Ferritin heavy   | Fth1           | 29.9581 | 30.0779 | 13 | 21.066 | 153.09 | 312  | 0.632719 | 1 |
| Q4FJX9;P09671;Q3 | Superoxide dismutase;Superoxide d     | Sod2           | 31.2598 | 31.3815 | 12 | 24.603 | 241.71 | 416  | 0.811878 | 1 |
| P0C028;P0C027;Q4 | Diphosphoinositol polyphosphate r     | Nudt11;Nudt10  | 24.6745 | 25.0516 | 5  | 18.593 | 30.744 | 21   | 0.800238 | 1 |
| P0DN34           | NADH dehydrogenase [ubiquinone]       | Ndubf11        | 24.5392 | 25.6004 | 2  | 6.954  | 7.5496 | 25   | 0.585948 | 1 |
| Q58E64;Q3UA81;P  | Elongation factor 1-alpha;Elongati    | Eef1a1         | 32.2787 | 32.4254 | 22 | 50.113 | 323.31 | 1025 | 0.626324 | 1 |
| Q9DD05;P10518    | Delta-aminolevulinic acid dehydrat    | Alad           | 24.748  | 24.9331 | 7  | 36.039 | 17.91  | 14   | 0.865572 | 1 |
| Q3TVS6;P10605;Q5 | Cathepsin B;Cathepsin B light chain   | Ctsb           | 27.0977 | 27.2815 | 10 | 37.319 | 82.694 | 84   | 0.862431 | 1 |
| Q52KC1;P10630;Q5 | Eukaryotic initiation factor 4A-II;Eu | Eif4a2         | 29.2171 | 29.2197 | 19 | 46.402 | 223.19 | 242  | 0.972233 | 1 |
| P10639           | Thioredoxin                           | Txn            | 26.4682 | 27.8305 | 2  | 11.675 | 11.07  | 42   | 0.361974 | 1 |

|                     |   |             |         |         |    |        |        |      |          |   |
|---------------------|---|-------------|---------|---------|----|--------|--------|------|----------|---|
| P10649;A2AE89;F6    | Glutathione S-transferase Mu 1                          | Gstm1       | 32.19   | 32.1996 | 21 | 25.97  | 276.61 | 939  | 0.979162 | 1 |
| P10852;Q3TN39;Q14F2 | cell-surface antigen heavy chain                        | Slc3a2      | 29.3119 | 29.2358 | 19 | 58.336 | 323.31 | 306  | 0.761979 | 1 |
| Q8C1Y3;Q3U4Y0;P1    | Histone H1.0;Histone H1.0, N-term                       | H1f0        | 26.699  | 27.0938 | 6  | 19.253 | 25.43  | 56   | 0.706294 | 1 |
| P11031              | Activated RNA polymerase II transcription factor        | Sub1        | 26.7893 | 27.721  | 5  | 14.427 | 12.239 | 44   | 0.2908   | 1 |
| P11352;A0A0A6YY1    | Glutathione peroxidase 1;Glutathione peroxidase         | Gpx1        | 25.7811 | 25.8389 | 8  | 22.329 | 38.834 | 59   | 0.957235 | 1 |
| Q71LX8;P11499       | Heat shock protein HSP 90-beta class B                  | Hsp90ab1    | 32.1344 | 32.0754 | 55 | 83.28  | 323.31 | 1305 | 0.785319 | 1 |
| P11798;Q80TN1;F8    | Calcium/calmodulin-dependent protein kinase II          | Camk2a      | 32.8623 | 32.9451 | 29 | 54.114 | 323.31 | 1806 | 0.119353 | 1 |
| P11881              | Inositol 1,4,5-trisphosphate receptor                   | Itpr1       | 26.818  | 27.3917 | 29 | 313.16 | 77.59  | 60   | 0.451299 | 1 |
| P11983              | T-complex protein 1 subunit alpha                       | Tcp1        | 29.905  | 29.8979 | 23 | 60.448 | 213.87 | 250  | 0.982831 | 1 |
| Q6GR78;Q53ZT3;P1    | Amyloid beta A4 protein;N-APP;Secretase                 | App         | 28.8772 | 28.6866 | 19 | 78.442 | 138.35 | 106  | 0.433179 | 1 |
| P12382;Q8CD98       | ATP-dependent 6-phosphofructokinase                     | Pfkl        | 29.0942 | 29.267  | 27 | 85.359 | 323.31 | 260  | 0.572624 | 1 |
| P12658;Q8CEF3;Q8    | Calbindin   | Calb1       | 29.5422 | 29.845  | 16 | 29.994 | 323.31 | 200  | 0.667544 | 1 |
| P12787              | Cytochrome c oxidase subunit 5A, mitochondrial          | Cox5a       | 27.0665 | 26.5506 | 7  | 16.101 | 76.073 | 82   | 0.846053 | 1 |
| P12815;Q8C5M4;Q1    | Programmed cell death protein 6                         | Pdcd6       | 25.323  | 24.6084 | 7  | 21.867 | 20.73  | 47   | 0.614829 | 1 |
| P12960              | Contactin-1   | Cntn1       | 31.5337 | 31.4923 | 46 | 113.39 | 323.31 | 867  | 0.71088  | 1 |
| Q6P1A9;Q5EBG5;Q1    | 60S ribosomal protein L7a                               | Rpl7a       | 26.6435 | 26.9216 | 9  | 30.024 | 27.12  | 57   | 0.717619 | 1 |
| P13595;E9Q589;AC    | Neural cell adhesion molecule 1                         | Ncam1       | 28.9541 | 28.115  | 33 | 119.43 | 20.73  | 47   | 0.301888 | 1 |
| Q545P0;Q3TSQ1;P1    | Sodium/potassium-transporting ATPase                    | Atp1b1      | 32.7837 | 32.7293 | 18 | 35.194 | 323.31 | 1054 | 0.827872 | 1 |
| P14115              | 60S ribosomal protein L27a                              | Rpl27a      | 25.7187 | 25.2261 | 4  | 16.605 | 25.557 | 57   | 0.729083 | 1 |
| Q5M9N8;Q3UBI6;F1    | 60S ribosomal protein L7                                | Rpl7        | 23.9856 | 25.4195 | 10 | 31.419 | 47.325 | 25   | 0.355738 | 1 |
| P14152              | Malate dehydrogenase, cytoplasmic                       | Mdh1        | 33.2576 | 33.2402 | 19 | 36.511 | 323.31 | 1544 | 0.921337 | 1 |
| Q3UR55;P14231       | Sodium/potassium-transporting ATPase                    | Atp1b2      | 29.4475 | 29.5111 | 12 | 33.344 | 207.23 | 222  | 0.732367 | 1 |
| Q8BK46;P14685;Q1    | 26S proteasome non-ATPase regulatory subunit 3          | Psmd3       | 25.2588 | 25.2158 | 12 | 60.722 | 66.244 | 23   | 0.929738 | 1 |
| Q5M8R8;Q5FWB6;      | 60S acidic ribosomal protein P0                         | Rplp0       | 26.8754 | 27.1455 | 10 | 34.216 | 61.652 | 90   | 0.651718 | 1 |
| P15105              | Glutamine synthetase                                    | Glul        | 32.4328 | 32.4465 | 22 | 42.119 | 323.31 | 1228 | 0.967832 | 1 |
| P15209              | BDNF/NT-3 growth factors receptor                       | Ntrk2       | 24.2163 | 24.737  | 8  | 92.132 | 42.818 | 16   | 0.668096 | 1 |
| Q5NC81;P15532;Q1    | Nucleoside diphosphate kinase                           | Nme1        | 31.8768 | 31.816  | 16 | 17.208 | 229.4  | 811  | 0.771497 | 1 |
| Q5SZA3;P15864       | Histone H1.2  | Hist1h1c    | 29.3678 | 29.2405 | 8  | 21.266 | 73.561 | 168  | 0.83343  | 1 |
| P16054              | Protein kinase C epsilon type                           | Prkce       | 26.5599 | 26.6342 | 20 | 83.56  | 82.474 | 67   | 0.843588 | 1 |
| P16125;D3Z7F0       | L-lactate dehydrogenase B chain;L-lactate dehydrogenase | Ldhb        | 33.0418 | 33.0317 | 24 | 36.572 | 323.31 | 1304 | 0.951763 | 1 |
| Q3TYV5;P16330;Q1    | 2,3-cyclic-nucleotide 3-phosphodiesterase               | Cnp         | 34.1167 | 33.9713 | 38 | 47.123 | 323.31 | 2869 | 0.679244 | 1 |
| P16332;Q8VED0       | Methylmalonyl-CoA mutase, mitochondrial                 | Mut         | 24.5633 | 24.7795 | 8  | 82.843 | 28.038 | 22   | 0.725194 | 1 |
| Q3UJ34;Q3UEJ7;P1    | Argininosuccinate synthase                              | Ass1;Gm5424 | 28.3729 | 28.591  | 20 | 46.584 | 140    | 118  | 0.21207  | 1 |

|   |                 |         |         |    |        |        |      |          |   |
|---|-----------------|---------|---------|----|--------|--------|------|----------|---|
| Q5FW97;P17182;Q Alpha-enolase                             | EG433182;Eno1   | 34.3189 | 34.436  | 33 | 47.14  | 323.31 | 3375 | 0.537733 | 1 |
| Q545V3;Q3UJ20;P1 Gamma-enolase;Enolase                    | Eno2            | 33.309  | 33.3141 | 24 | 47.296 | 323.31 | 1940 | 0.986298 | 1 |
| P17426 AP-2 complex subunit alpha-1                       | Ap2a1           | 31.6915 | 31.6644 | 55 | 107.66 | 323.31 | 1051 | 0.806538 | 1 |
| Q6PEE6;Q69ZW4;P AP-2 complex subunit alpha-2              | Ap2a2           | 30.9229 | 30.9945 | 50 | 104    | 323.31 | 739  | 0.387333 | 1 |
| P17563;Q63836;AC Selenium-binding protein 1;Seleniu       | Selenbp1;Seleni | 25.3428 | 25.5221 | 8  | 52.513 | 25.502 | 23   | 0.893239 | 1 |
| Q5SVY2;Q3UAJ1;Q Peptidyl-prolyl cis-trans isomerase; Ppia |                 | 32.8222 | 32.4832 | 13 | 17.971 | 323.31 | 1154 | 0.775142 | 1 |
| P17751;H7BXC3 Triosephosphate isomerase                   | Tpi1            | 34.6336 | 34.5866 | 21 | 32.191 | 323.31 | 1798 | 0.905857 | 1 |
| Q3U2J2;Q3TD17;P Solute carrier family 2, facilitated g    | Slc2a1          | 24.3594 | 24.9673 | 4  | 54.07  | 10.717 | 40   | 0.34397  | 1 |
| Q544Y7;P18760;F8 Cofilin-1                                | Cfl1            | 33.5895 | 33.2309 | 20 | 18.559 | 323.31 | 1325 | 0.343958 | 1 |
| Q543S2;P18872;D3 Guanine nucleotide-binding protei        | Gnao1           | 33.2277 | 33.2235 | 23 | 40.084 | 323.31 | 1933 | 0.978288 | 1 |
| Q3UHT6;P19096;AI Fatty acid synthase;[Acyl-carrier-pr     | Fasn            | 29.6507 | 29.6597 | 59 | 272.41 | 323.31 | 247  | 0.975632 | 1 |
| P19157;K9JA74;P4 Glutathione S-transferase P 1;Gluta      | Gstp1;Gstp2     | 31.7213 | 31.3679 | 11 | 23.609 | 323.31 | 552  | 0.529319 | 1 |
| P19246;Q80TQ3 Neurofilament heavy polypeptide             | Nefh            | 30.7551 | 30.3756 | 38 | 116.99 | 323.31 | 397  | 0.280133 | 1 |
| Q9D881;P19536 Cytochrome c oxidase subunit 5B, i          | Cox5b           | 26.103  | 26.9586 | 8  | 13.847 | 41.201 | 119  | 0.624877 | 1 |
| Q3U9G2;P20029;Q 78 kDa glucose-regulated protein          | Hspa5           | 30.3144 | 30.3494 | 34 | 72.405 | 323.31 | 585  | 0.890848 | 1 |
| Q3TXR9;P20060 Beta-hexosaminidase;Beta-hexosa             | Hexb            | 25.8346 | 25.9433 | 12 | 61.115 | 31.737 | 29   | 0.756726 | 1 |
| P20108;Q8K4K8 Thioredoxin-dependent peroxide re           | Prdx3           | 29.1383 | 29.4275 | 9  | 28.127 | 151.26 | 273  | 0.47586  | 1 |
| P20357;Q3URJ7 Microtubule-associated protein 2            | Map2            | 31.7733 | 31.6426 | 88 | 199.13 | 323.31 | 1019 | 0.486771 | 1 |
| Q3UPA1;P21278;Q Guanine nucleotide-binding protei         | Gna11           | 26.5673 | 26.5923 | 17 | 42.024 | 68.303 | 47   | 0.934168 | 1 |
| Q3UHH5;P21279 Guanine nucleotide-binding protei           | Gnaq            | 29.2181 | 29.1484 | 21 | 42.158 | 323.31 | 234  | 0.823189 | 1 |
| Q3U5K7;Q9EPX9;P Cystatin-C                                | Cst3            | 25.6921 | 26.3802 | 7  | 15.217 | 29.69  | 51   | 0.614014 | 1 |
| Q8CBB7;Q3UKX8;P AP-1 complex subunit gamma-1              | Ap1g1           | 27.0179 | 26.9234 | 16 | 91.721 | 90.023 | 77   | 0.572729 | 1 |
| P23116;Q3UEK3;Q Eukaryotic translation initiation fac     | Eif3a           | 25.9443 | 25.8762 | 12 | 161.93 | 54.779 | 20   | 0.649138 | 1 |
| Q7TMQ1;P23242;C Gap junction protein;Gap junction         | Gja1            | 25.6343 | 24.9978 | 6  | 49.523 | 20.643 | 17   | 0.672539 | 1 |
| Q543K9;P23492 Purine nucleoside phosphorylase             | Pnp             | 24.3289 | 24.0892 | 5  | 32.263 | 10.886 | 17   | 0.462032 | 1 |
| Q52L78;P23927 Alpha-crystallin B chain                    | Cryab           | 27.3878 | 27.7528 | 9  | 20.069 | 36.768 | 70   | 0.770627 | 1 |
| Q3TJN1;Q9CXX6;Q Branched-chain-amino-acid aminot          | Bcat1           | 26.4539 | 26.1361 | 8  | 42.791 | 95.721 | 56   | 0.377382 | 1 |
| Q9DCY1;P24369 Peptidyl-prolyl cis-trans isomerase; Ppib   |                 | 26.2721 | 26.6884 | 11 | 23.713 | 51.866 | 67   | 0.576369 | 1 |
| P24472 Glutathione S-transferase A4                       | Gsta4           | 24.7412 | 25.1116 | 7  | 25.564 | 64.965 | 66   | 0.845529 | 1 |
| P24527 Leukotriene A-4 hydrolase                          | Lta4h           | 27.4965 | 27.6122 | 24 | 69.05  | 128.55 | 103  | 0.6719   | 1 |
| P24529;Q3UTB3 Tyrosine 3-monooxygenase                    | Th              | 28.8921 | 29.1971 | 24 | 55.992 | 309.52 | 283  | 0.460142 | 1 |
| P24549 Retinal dehydrogenase 1                            | Aldh1a1         | 28.9138 | 29.3195 | 23 | 54.467 | 323.31 | 264  | 0.387681 | 1 |
| Q3UKQ5;Q3UF03;F Cation-dependent mannose-6-pho            | M6pr            | 25.2553 | 25.4075 | 3  | 31.172 | 58.86  | 18   | 0.673769 | 1 |

|   |                |         |         |    |        |        |      |          |   |
|---|----------------|---------|---------|----|--------|--------|------|----------|---|
| Q58EU3;Q3TXS9;Q 40S ribosomal protein S2                | Rps2;Gm5786;C  | 25.8962 | 27.0221 | 11 | 31.231 | 33.4   | 48   | 0.356398 | 1 |
| Q4KML7;Q3UXR4;C Ezrin                                   | Ezr            | 24.3663 | 25.6455 | 14 | 69.406 | 36.311 | 17   | 0.363038 | 1 |
| Q3TH46;Q3U111;P Radixin                                 | Rdx            | 27.7169 | 27.8641 | 17 | 76.852 | 107.09 | 137  | 0.578504 | 1 |
| P26443;Q3TSQ7 Glutamate dehydrogenase 1, mitor          | Glud1          | 31.7925 | 31.9313 | 30 | 61.336 | 323.31 | 1313 | 0.262689 | 1 |
| Q3U6F6;Q8C483;P Serine--tRNA ligase, cytoplasmic        | Sars           | 28.4939 | 28.6473 | 20 | 58.358 | 153.8  | 197  | 0.41753  | 1 |
| P26883;Q3ULN5 Peptidyl-prolyl cis-trans isomerase       | Fkbp1a         | 28.5149 | 26.8522 | 5  | 11.922 | 43.597 | 120  | 0.378325 | 1 |
| Q3UN87;P27048;P Small nuclear ribonucleoprotein-as      | Snrpn;Snrpb    | 24.5313 | 25.1549 | 5  | 24.614 | 10.439 | 29   | 0.294699 | 1 |
| P27546;A0A140T81 Microtubule-associated protein 4       | Map4           | 27.5141 | 27.5304 | 15 | 117.43 | 75.667 | 73   | 0.957219 | 1 |
| Q3UE40;P27601;Q Guanine nucleotide-binding protein      | Gna13          | 24.5112 | 24.5982 | 7  | 44.038 | 18.463 | 14   | 0.924188 | 1 |
| Q3UB90;Q3UB67;C 60S ribosomal protein L3                | Rpl3           | 25.2724 | 23.9518 | 9  | 46.079 | 22.035 | 15   | 0.252    | 1 |
| P27773 Protein disulfide-isomerase A3                   | Pdia3          | 30.153  | 30.4468 | 31 | 56.678 | 323.31 | 409  | 0.026943 | 1 |
| Q544Z7;P28352;F6 DNA-(apurinic or apyrimidinic site)    | Apex1          | 24.7409 | 24.1178 | 5  | 35.49  | 26.533 | 10   | 0.150233 | 1 |
| Q6P5I3;P28474 S-(hydroxymethyl)glutathione dehy         | Adh5           | 25.5017 | 25.8425 | 9  | 39.547 | 51.31  | 37   | 0.787182 | 1 |
| P28652;Q5SVI3;Q5 Calcium/calmodulin-dependent pr        | Camk2b         | 31.2065 | 31.1586 | 28 | 60.46  | 323.31 | 686  | 0.922845 | 1 |
| Q3TKP3;P28658;Q Ataxin-10                               | Atxn10         | 23.8468 | 24.1998 | 13 | 53.71  | 64.639 | 19   | 0.767023 | 1 |
| P28661;Q5ND18;Q Septin-4                                | Sept4          | 27.4928 | 26.1155 | 15 | 54.935 | 68.606 | 45   | 0.321772 | 1 |
| P28663 Beta-soluble NSF attachment prote                | Napb           | 30.3172 | 30.7507 | 28 | 33.557 | 323.31 | 679  | 0.39889  | 1 |
| Q3TY51;Q8CHF1;P Kinesin-like protein;Kinesin heavy c    | mKIAA0531;Kif5 | 28.5969 | 28.4964 | 32 | 109.3  | 305.37 | 153  | 0.778786 | 1 |
| Q8BN32;Q3U8U8;F Polyadenylate-binding protein;Poly      | Pabpc1;Pabpc6  | 28.268  | 28.115  | 19 | 70.669 | 178.09 | 145  | 0.437303 | 1 |
| Q3U2F9;Q3THF3;P Guanine nucleotide-binding protein      | Gnb4           | 24.8183 | 24.5939 | 12 | 37.391 | 27.82  | 19   | 0.843699 | 1 |
| Q9CPX4;Q3TJJ6;P Ferritin;Ferritin light chain 1;Ferriti | Ftl1;Ftl2      | 26.7582 | 26.4357 | 7  | 20.772 | 64.554 | 69   | 0.222087 | 1 |
| Q3TG75;P29758;Q Ornithine aminotransferase, mitoc       | Oat            | 27.3862 | 27.124  | 13 | 48.354 | 115.31 | 103  | 0.641317 | 1 |
| Q545N7;P30275;A Creatine kinase U-type, mitochond       | Ckmt1          | 31.7919 | 31.7914 | 23 | 47.003 | 323.31 | 1145 | 0.998502 | 1 |
| P30416 Peptidyl-prolyl cis-trans isomerase              | Fkbp4          | 26.4738 | 26.1429 | 13 | 51.572 | 44.977 | 40   | 0.089018 | 1 |
| Q8C2U7;Q3UZG4;P Aminoacyl tRNA synthase complex         | Aimp1          | 24.9809 | 25.271  | 5  | 35.196 | 16.495 | 17   | 0.555573 | 1 |
| P31324;Q3V2X9;H cAMP-dependent protein kinase ty        | Prkar2b        | 30.3934 | 30.261  | 21 | 46.167 | 323.31 | 568  | 0.501592 | 1 |
| Q6PCX2;P31648;Q Transporter;Sodium- and chloride-       | Slc6a1         | 27.2803 | 27.4554 | 5  | 67.13  | 47.95  | 51   | 0.77823  | 1 |
| P31650;Q8BKG0 Sodium- and chloride-dependent G          | Slc6a11        | 27.6006 | 26.6907 | 8  | 69.96  | 84.824 | 33   | 0.337876 | 1 |
| Q9JJE1;Q3U3F4;Q Dual specificity mitogen-activated      | Map2k1         | 30.4718 | 30.4925 | 21 | 43.374 | 323.31 | 381  | 0.956566 | 1 |
| Q8BLF7;Q4FJP8;Q Solute carrier family 2, facilitated g  | Slc2a3         | 26.8024 | 26.8402 | 7  | 53.451 | 73.416 | 68   | 0.937782 | 1 |
| Q8BTU4;Q564E6;Q Lupus La protein homolog                | Ssb            | 25.4692 | 26.2444 | 11 | 47.657 | 41.298 | 27   | 0.251861 | 1 |
| Q3U6U7;Q4FJZ4;P Tryptophan--tRNA ligase, cytoplas       | Wars           | 26.5771 | 26.5364 | 13 | 53.64  | 41.124 | 55   | 0.80842  | 1 |
| P34022;H7BX22;Q Ran-specific GTPase-activating prot     | Ranbp1         | 27.1965 | 26.66   | 7  | 23.596 | 44.44  | 49   | 0.725283 | 1 |

|                  |  |               |         |         |    |        |        |     |          |          |
|------------------|--|---------------|---------|---------|----|--------|--------|-----|----------|----------|
| Q545F0;P34884    | Macrophage migration inhibitory factor                     | Mif           | 29.3458 | 28.9316 | 3  | 12.504 | 34.831 | 193 | 0.369608 | 1        |
| P35235;Q9CT18;Q  | Tyrosine-protein phosphatase non-receptor type 11          | Ptpn11        | 26.463  | 26.2236 | 21 | 68.46  | 72.116 | 68  | 0.756917 | 1        |
| Q3TJ39;Q8C266;P3 | Ras-related protein Rab-5C                                 | Rab5c         | 28.8427 | 28.8414 | 7  | 23.412 | 67.16  | 262 | 0.998703 | 0.999968 |
| Q3U4W5;Q0PD54;I  | Ras-related protein Rab-6A                                 | Rab6a         | 30.4027 | 30.5333 | 13 | 23.545 | 196.16 | 507 | 0.877447 | 1        |
| Q0PD35;P35282;Q  | Ras-related protein Rab-21                                 | Rab21         | 26.5723 | 26.7608 | 7  | 24.106 | 86.889 | 76  | 0.509293 | 1        |
| Q0PD38;P35293;Q  | Ras-related protein Rab-18                                 | Rab18         | 26.4042 | 26.4402 | 8  | 23.035 | 20.47  | 30  | 0.93299  | 1        |
| Q3UFJ3;P35486    | Pyruvate dehydrogenase E1 component alpha                  | Pdha1         | 31.0893 | 31.2033 | 29 | 43.231 | 323.31 | 761 | 0.645301 | 1        |
| Q3UJS2;P35550;Q8 | rRNA 2-O-methyltransferase fibrillarin                     | Fbl1;Fbl11    | 23.5825 | 24.9252 | 3  | 34.375 | 12.693 | 18  | 0.008089 | 1        |
| Q5SUC3;P35564;Q  | Calnexin   | Canx          | 29.4853 | 29.4402 | 22 | 67.277 | 270.68 | 301 | 0.895667 | 1        |
| Q3UG16;P35585    | AP-1 complex subunit mu-1                                  | Ap1m1         | 25.9364 | 25.1578 | 9  | 48.542 | 32.628 | 22  | 0.356523 | 1        |
| P35700;B1AXW5;B  | Peroxiredoxin-1  | Prdx1         | 31.6527 | 31.7242 | 18 | 22.176 | 233.53 | 681 | 0.890217 | 1        |
| Q3UWG5;P35762;P  | Tetraspanin;CD81 antigen                                   | Cd81          | 27.4549 | 28.2029 | 4  | 25.828 | 291.49 | 150 | 0.435759 | 1        |
| Q542P2;P35802;Q8 | Neuronal membrane glycoprotein I                           | Gpm6a         | 32.1311 | 32.1904 | 11 | 31.149 | 323.31 | 544 | 0.855455 | 1        |
| Q8C2K0;Q5BLK0;Q  | 60S ribosomal protein L12                                  | Rpl12         | 24.8595 | 26.025  | 5  | 17.806 | 58.293 | 72  | 0.465834 | 1        |
| Q642K1;Q58EW0;P  | 60S ribosomal protein L18                                  | Rpl18         | 28.126  | 28.7345 | 8  | 21.643 | 66.191 | 81  | 0.426968 | 1        |
| P36916;Q52KE3;A2 | Guanine nucleotide-binding protein gamma-1                 | Gnl1          | 24.9656 | 25.9003 | 12 | 68.77  | 81.862 | 42  | 0.269897 | 1        |
| P37040;Q05DV1    | NADPH--cytochrome P450 reductase                           | Por           | 25.2053 | 25.6132 | 10 | 77.043 | 68.012 | 24  | 0.233542 | 1        |
| Q3UMP2;P38060    | Hydroxymethylglutaryl-CoA lyase, mitochondrial             | Hmgcl         | 22.9821 | 24.4825 | 4  | 34.182 | 14.669 | 8   | 0.017438 | 1        |
| P38647           | Stress-70 protein, mitochondrial                           | Hspa9         | 30.4404 | 30.3433 | 35 | 73.46  | 323.31 | 582 | 0.766845 | 1        |
| P39053           | Dynamin-1  | Dnm1          | 23.7605 | 25.5163 | 71 | 97.802 | 34.796 | 17  | 0.164995 | 1        |
| P39688           | Tyrosine-protein kinase Fyn                                | Fyn           | 24.3964 | 24.7495 | 3  | 60.674 | 7.1745 | 5   | 0.757746 | 1        |
| Q3UVJ2;Q3U0U5;P  | Adenylyl cyclase-associated protein 1                      | Cap1          | 30.7154 | 30.7329 | 25 | 51.55  | 323.31 | 447 | 0.95065  | 1        |
| P40142           | Transketolase  | Tkt           | 31.04   | 30.981  | 36 | 67.63  | 323.31 | 701 | 0.154934 | 1        |
| Q3UII2;P40237    | Tetraspanin;CD82 antigen                                   | Cd82          | 26.0562 | 24.7952 | 3  | 29.628 | 12.436 | 17  | 0.107899 | 1        |
| P40240           | CD9 antigen  | Cd9           | 24.145  | 25.7036 | 4  | 25.258 | 115.22 | 25  | 0.253751 | 1        |
| Q5M9N5;Q5M9J8;I  | 60S ribosomal protein L28                                  | Rpl28         | 25.0909 | 24.7822 | 6  | 15.709 | 16.78  | 18  | 0.709065 | 1        |
| Q9DBN7;P42125    | Enoyl-CoA delta isomerase 1, mitochondrial                 | Eci1          | 24.9597 | 24.092  | 6  | 32.223 | 24.001 | 17  | 0.388067 | 1        |
| P42669;Q8C6E9    | Transcriptional activator protein 1                        | Pura          | 29.5368 | 29.8928 | 14 | 34.883 | 323.31 | 265 | 0.20287  | 1        |
| Q3UL22;Q6A0F1;P2 | T-complex protein 1 subunit theta                          | Cct8;Cctq     | 29.5414 | 29.4648 | 31 | 59.555 | 185.16 | 300 | 0.7597   | 1        |
| Q3UYK6;P43006;A2 | Amino acid transporter;Excitatory amino acid transporter 1 | Slc1a2        | 32.0697 | 32.1267 | 19 | 62.03  | 323.31 | 789 | 0.895264 | 1        |
| Q9DCW5;P43024    | Cytochrome c oxidase subunit 6A, mitochondrial             | Cox6a1        | 27.8126 | 26.5502 | 4  | 12.483 | 49.717 | 184 | 0.668207 | 1        |
| P43274           | Histone H1.4   | Hist1h1e      | 25.5439 | 26.1392 | 7  | 21.977 | 20.784 | 55  | 0.585768 | 1        |
| Q3TCL2;Q3UDY1;P  | Aldose reductase   | Akr1b3;Akr1b1 | 29.1412 | 29.4168 | 17 | 35.051 | 133.87 | 210 | 0.394027 | 1        |

|                 |                                      |             |         |         |    |        |        |      |          |   |
|-----------------|--------------------------------------|-------------|---------|---------|----|--------|--------|------|----------|---|
| Q3UHW9;P45591   | Cofilin-2                            | Cfl2        | 25.6009 | 26.5885 | 9  | 18.709 | 28.613 | 88   | 0.582996 | 1 |
| Q3TND1;P45878   | Peptidyl-prolyl cis-trans isomerase; | Fkbp2       | 24.2106 | 24.736  | 3  | 15.344 | 16.45  | 22   | 0.486211 | 1 |
| Q91WS8;P45952;Q | Medium-chain specific acyl-CoA de    | Acadm       | 24.8559 | 23.7385 | 6  | 46.437 | 34.461 | 22   | 0.416163 | 1 |
| P46460          | Vesicle-fusing ATPase                | Nsf         | 32.5508 | 32.5602 | 67 | 82.613 | 323.31 | 1910 | 0.886266 | 1 |
| Q3U5V3;Q8BVQ9;F | 26S protease regulatory subunit 7    | Psmc2       | 26.6386 | 26.7574 | 15 | 48.684 | 100.28 | 33   | 0.702429 | 1 |
| P46660          | Alpha-internexin                     | Ina         | 32.7755 | 32.714  | 35 | 55.382 | 323.31 | 1317 | 0.330829 | 1 |
| Q80XR3;P47199;Q | Quinone oxidoreductase               | Cryz        | 26.6864 | 26.8439 | 9  | 35.367 | 54.49  | 56   | 0.384639 | 1 |
| Q768S5;P47708   | Rabphilin-3A                         | Rph3a       | 28.2511 | 28.4499 | 23 | 75.492 | 323.31 | 158  | 0.085649 | 1 |
| Q544B1;Q3UJW1;C | Aldehyde dehydrogenase, mitocho      | Aldh2       | 29.3716 | 29.4571 | 26 | 56.537 | 323.31 | 312  | 0.577043 | 1 |
| Q99NU3;P47746   | Cannabinoid receptor 1               | Cnr1        | 25.023  | 25.6082 | 3  | 37.316 | 7.4937 | 13   | 0.161085 | 1 |
| Q5DQJ3;Q3UBZ3;P | F-actin-capping protein subunit alp  | Capza2      | 29.4973 | 29.6872 | 14 | 32.967 | 323.31 | 376  | 0.568235 | 1 |
| Q3U9R7;Q3UB84;C | Glutathione reductase, mitochond     | Gsr         | 26.2081 | 26.2737 | 7  | 48.886 | 35.006 | 44   | 0.632545 | 1 |
| Q543X6;P47809;Q | Dual specificity mitogen-activated   | Map2k4      | 25.7057 | 26.1032 | 14 | 44.113 | 68.131 | 35   | 0.594847 | 1 |
| P47857;Q99K08   | ATP-dependent 6-phosphofructoki      | Pfkm        | 30.8439 | 30.7624 | 34 | 85.268 | 323.31 | 674  | 0.761841 | 1 |
| Q3UCH0;P47911;Q | 60S ribosomal protein L6             | Rpl6;Gm5428 | 25.7639 | 25.5947 | 7  | 33.509 | 28.998 | 50   | 0.711441 | 1 |
| P47963;Q5RKP3;A | 60S ribosomal protein L13            | Rpl13       | 26.3093 | 26.4276 | 8  | 24.305 | 40.423 | 70   | 0.810095 | 1 |
| P48036          | Annexin A5                           | Anxa5       | 29.2808 | 29.5343 | 24 | 35.752 | 221.67 | 277  | 0.638796 | 1 |
| Q548L6;P48318   | Glutamate decarboxylase 1            | Gad1        | 26.9862 | 26.1636 | 14 | 66.648 | 115.27 | 63   | 0.271478 | 1 |
| Q548L4;P48320   | Glutamate decarboxylase 2            | Gad2        | 28.7917 | 28.5884 | 22 | 65.223 | 246.25 | 194  | 0.572676 | 1 |
| P48678          | Prelamin-A/C;Lamin-A/C               | Lmna        | 27.6148 | 27.857  | 27 | 74.237 | 125.35 | 90   | 0.019511 | 1 |
| P48722;E0CY23   | Heat shock 70 kDa protein 4L         | Hspa4l      | 29.4227 | 29.5076 | 43 | 94.381 | 323.31 | 312  | 0.689219 | 1 |
| P48771          | Cytochrome c oxidase subunit 7A2,    | Cox7a2      | 26.547  | 27.5067 | 2  | 9.2908 | 11.211 | 124  | 0.418582 | 1 |
| P48774;E9PVM7;E | Glutathione S-transferase Mu 5       | Gstm5       | 29.2431 | 29.7083 | 21 | 26.635 | 180.66 | 322  | 0.111777 | 1 |
| P48962;Q8BVI9   | ADP/ATP translocase 1                | Slc25a4     | 33.7808 | 33.8515 | 27 | 32.904 | 323.31 | 2570 | 0.706245 | 1 |
| Q3U7F3;Q3TIK8;Q | Heterogeneous nuclear ribonucleo     | Hnrnpa1     | 29.0639 | 29.6753 | 18 | 34.238 | 196.1  | 208  | 0.081154 | 1 |
| P49442          | Inositol polyphosphate 1-phosphat    | Inpp1       | 24.0842 | 23.4438 | 4  | 43.346 | 14.576 | 9    | 0.528174 | 1 |
| P49443;Q9EQE2;Q | Protein phosphatase 1A               | Ppm1a       | 26.568  | 26.5074 | 11 | 42.432 | 36.53  | 40   | 0.902949 | 1 |
| Q543F6;P49615;A | Cyclin-dependent-like kinase 5       | Cdk5        | 27.131  | 27.4863 | 14 | 33.288 | 45.268 | 111  | 0.024666 | 1 |
| Q3UWT6;P49722;C | Proteasome subunit alpha type;       | Prc Psm2    | 28.0949 | 27.929  | 11 | 27.509 | 216.05 | 109  | 0.867557 | 1 |
| P49813          | Tropomodulin-1                       | Tmod1       | 24.934  | 24.1517 | 7  | 40.466 | 50.792 | 18   | 0.373041 | 1 |
| Q3TF14;P50247;Q | Adenosylhomocysteinase               | Ahcy        | 27.5222 | 27.7273 | 18 | 47.688 | 190.22 | 94   | 0.535364 | 1 |
| P50396          | Rab GDP dissociation inhibitor alph  | Gdi1        | 31.6716 | 31.6641 | 33 | 50.521 | 323.31 | 1091 | 0.977477 | 1 |
| P50516          | V-type proton ATPase catalytic sub   | Atp6v1a     | 32.8038 | 32.8049 | 42 | 68.325 | 323.31 | 2019 | 0.995322 | 1 |

|                  |                                      |               |         |         |    |        |        |      |          |   |
|------------------|--------------------------------------|---------------|---------|---------|----|--------|--------|------|----------|---|
| P50518;A0A0N4SW  | V-type proton ATPase subunit E 1     | Atp6v1e1      | 30.9643 | 31.3803 | 18 | 26.157 | 323.31 | 602  | 0.321694 | 1 |
| Q05BN2;Q3UMW2    | Proliferation-associated protein 2G  | Pa2g4         | 25.2447 | 25.1991 | 5  | 41.508 | 23.215 | 21   | 0.859683 | 1 |
| Q4FJQ0;P51150    | Ras-related protein Rab-7a           | Rab7;Rab7a    | 29.0268 | 29.7294 | 17 | 23.489 | 323.31 | 328  | 0.362915 | 1 |
| Q3UHW2;Q3TT11;I  | Peroxisomal multifunctional enzymr   | Hsd17b4       | 23.6051 | 24.2235 | 6  | 79.423 | 15.589 | 7    | 0.255845 | 1 |
| P51863;Q921S5    | V-type proton ATPase subunit d 1     | Atp6v0d1      | 29.9863 | 29.892  | 20 | 40.301 | 323.31 | 574  | 0.792735 | 1 |
| Q545A2;P51881    | ADP/ATP translocase 2;ADP/ATP tr     | Slc25a5       | 31.4866 | 31.468  | 23 | 32.931 | 169.09 | 889  | 0.948382 | 1 |
| Q545S0;P52196    | Sulfurtransferase;Thiosulfate sulfur | Tst           | 26.578  | 26.9989 | 8  | 33.466 | 33.465 | 48   | 0.158616 | 1 |
| P52480           | Pyruvate kinase PKM                  | Pkm           | 34.2049 | 34.1691 | 39 | 57.844 | 323.31 | 2992 | 0.902756 | 1 |
| P52760           | Ribonuclease UK114                   | Hrsp12        | 27.6902 | 28.2756 | 5  | 14.255 | 57.848 | 123  | 0.393293 | 1 |
| Q7TND9;P53395    | Lipoamide acyltransferase compon     | Dbt           | 25.9716 | 24.8293 | 10 | 53.26  | 30.375 | 21   | 0.36073  | 1 |
| Q5ND42;Q3UE53;C  | Phosphatidylinositol transfer prote  | Pitpna        | 28.8963 | 29.5868 | 22 | 31.893 | 166.94 | 237  | 0.057206 | 1 |
| Q0PD65;P53994;Q  | Ras-related protein Rab-2A           | Rab2a         | 29.1163 | 29.0232 | 16 | 23.547 | 169.86 | 263  | 0.827178 | 1 |
| P54071           | Isocitrate dehydrogenase [NADP], i   | Idh2          | 28.5255 | 28.7202 | 21 | 50.906 | 154.96 | 201  | 0.624368 | 1 |
| Q9DCP3;Q91XT3;Q  | Stathmin                             | Stmn1         | 31.5249 | 30.8886 | 9  | 17.334 | 132.65 | 146  | 0.520355 | 1 |
| Q3TJ52;Q3UQN3;Q  | UV excision repair protein RAD23 h   | Rad23b        | 26.6126 | 26.8503 | 10 | 34.613 | 44.077 | 45   | 0.501056 | 1 |
| Q8BKU2;Q569X4;Q  | 26S protease regulatory subunit 6E   | Psmc4         | 26.9131 | 26.6549 | 17 | 47.394 | 113.4  | 56   | 0.801266 | 1 |
| Q3TMB8;P54822;E  | Adenylosuccinate lyase               | Adsl          | 25.6998 | 25.4214 | 8  | 54.865 | 21.619 | 27   | 0.28173  | 1 |
| Q80WU9;P54830    | Tyrosine-protein phosphatase non-    | Ptpn5         | 27.1105 | 27.0602 | 13 | 64.92  | 104.17 | 92   | 0.883646 | 1 |
| P55264;Q8BMC5    | Adenosine kinase                     | Adk           | 26.1545 | 25.8223 | 10 | 40.148 | 38.037 | 46   | 0.709796 | 1 |
| P56135;F8WHP8    | ATP synthase subunit f, mitochond    | Atp5j2        | 28.6374 | 29.3126 | 4  | 10.344 | 35.84  | 250  | 0.324326 | 1 |
| P56380;Q3V1C8    | Bis(5-nucleosyl)-tetrphosphatase     | Nudt2         | 24.7133 | 24.0798 | 4  | 16.989 | 19.233 | 23   | 0.593335 | 1 |
| Q6VEU5;Q545F5;P  | ATP synthase subunit epsilon, mito   | Atp5e         | 25.5493 | 24.949  | 3  | 5.8218 | 5.7571 | 27   | 0.821591 | 1 |
| P56391;A0A140LIU | Cytochrome c oxidase subunit 6B1     | Cox6b1        | 29.6379 | 29.9478 | 7  | 10.071 | 44.764 | 215  | 0.657762 | 1 |
| Q3U4W8;P56399    | Ubiquitin carboxyl-terminal hydroly  | Usp5          | 30.2309 | 30.1716 | 36 | 93.354 | 323.31 | 515  | 0.820901 | 1 |
| P56480           | ATP synthase subunit beta, mitoch    | Atp5b         | 34.5592 | 34.5599 | 30 | 56.3   | 323.31 | 3876 | 0.996338 | 1 |
| Q8C7W8;Q8C3T7;C  | Amino acid transporter;Excitatory i  | Slc1a3        | 29.3707 | 29.724  | 9  | 59.592 | 296.98 | 268  | 0.484946 | 1 |
| Q3UJH5;Q3U861;P  | V-type proton ATPase subunit D       | Atp6v1d       | 29.4344 | 29.4825 | 15 | 28.355 | 259.44 | 298  | 0.914549 | 1 |
| Q3ULT2;P57780;Q  | Alpha-actinin-4                      | Actn4         | 28.6753 | 28.448  | 51 | 104.98 | 320.36 | 142  | 0.516962 | 1 |
| P58044;G3XA48    | Isopentenyl-diphosphate Delta-isoi   | Idi1          | 24.2119 | 23.0662 | 2  | 26.289 | 3.9794 | 5    | 0.325732 | 1 |
| Q3UMI7;Q3UDC8;F  | Elongation factor 2                  | Eef2          | 30.6997 | 30.6779 | 48 | 95.326 | 323.31 | 513  | 0.908669 | 1 |
| P58281;H7BX01;Q  | ξ Dynamin-like 120 kDa protein, mit  | Opa1;mKIAA05i | 30.0121 | 30.0254 | 53 | 111.34 | 323.31 | 435  | 0.974961 | 1 |
| Q543N6;P58389;Q  | Serine/threonine-protein phosphat    | Ppp2r4        | 27.7327 | 27.6028 | 9  | 36.71  | 60.351 | 94   | 0.696829 | 1 |
| Q3U3S0;P58404;V  | Striatin-4                           | Strn4         | 26.3191 | 25.8197 | 6  | 80.964 | 14.021 | 15   | 0.846826 | 1 |

|  |   |         |         |    |        |        |      |          |   |
|--|---|---------|---------|----|--------|--------|------|----------|---|
| Q3TQR3;P59325;Q Eukaryotic translation initiation fac Eif5 |   | 25.5888 | 25.4855 | 7  | 48.968 | 28.859 | 28   | 0.839905 | 1 |
| Q9D3C4;Q7TPD9;P Actin-related protein 2/3 complex : Arpc4  |   | 30.4099 | 30.2282 | 7  | 19.653 | 79.232 | 351  | 0.782873 | 1 |
| Q3UJN2;Q3U1C2;P RuvB-like 1                                | Ruvbl1                                      | 25.6876 | 25.9076 | 9  | 50.213 | 21.055 | 23   | 0.46484  | 1 |
| Q3UYM8;P60202;C Myelin proteolipid protein                 | Plp1  | 34.2446 | 34.0038 | 12 | 30.077 | 193.08 | 1710 | 0.728561 | 1 |
| P60335   | Poly(rC)-binding protein 1 Pcbp1            | 28.1744 | 28.5927 | 15 | 37.497 | 160.99 | 183  | 0.572113 | 1 |
| P60487;Q6IS27  | Pyridoxal phosphate phosphatase Pdxp        | 29.0806 | 28.93   | 17 | 31.512 | 166.57 | 240  | 0.797784 | 1 |
| P60761   | Neurogranin;NEUG(55-78) Nrgn                | 30.2387 | 29.6277 | 2  | 7.4963 | 18.463 | 60   | 0.717392 | 1 |
| P60766;Q3UL78  | Cell division control protein 42 hon Cdc42  | 28.9567 | 29.7694 | 9  | 21.258 | 184.34 | 173  | 0.156589 | 1 |
| Q4FZL1;Q5F2A7;Q Eukaryotic initiation factor 4A-I          | Eif4a1                                      | 26.6089 | 27.0906 | 17 | 46.022 | 43.389 | 41   | 0.478076 | 1 |
| Q5BLK2;P60867  | 40S ribosomal protein S20 Rps20             | 26.1772 | 26.1964 | 3  | 13.373 | 13.714 | 59   | 0.99164  | 1 |
| P60879   | Synaptosomal-associated protein 2 Snap25    | 30.9641 | 31.6192 | 20 | 23.315 | 323.31 | 744  | 0.377454 | 1 |
| P60904;G5E8T0;Q DnaJ homolog subfamily C member            | Dnajc5                                      | 30.8876 | 30.9434 | 9  | 22.101 | 323.31 | 279  | 0.85804  | 1 |
| Q4FJL0;P61027;Q3 Ras-related protein Rab-10                | Rab10                                       | 28.2432 | 28.2623 | 9  | 22.541 | 42.261 | 137  | 0.965183 | 1 |
| P61082;F7CDT0;F6 NEDD8-conjugating enzyme Ubc12            | Ube2m                                       | 27.1995 | 27.4138 | 8  | 20.9   | 25.871 | 49   | 0.803942 | 1 |
| Q6ZWQ6;P61087;A Ubiquitin-conjugating enzyme E2 K          | Ube2k                                       | 25.2442 | 24.7488 | 8  | 22.406 | 21.078 | 18   | 0.681182 | 1 |
| Q5SW83;P61161;Q Actin-related protein 2                    | Actr2                                       | 28.6044 | 28.5628 | 14 | 44.76  | 263.69 | 262  | 0.901681 | 1 |
| P61164   | Alpha-centractin Actr1a                     | 29.0336 | 28.7059 | 15 | 42.613 | 323.31 | 186  | 0.501685 | 1 |
| Q3UK65;P61202;Q COP9 signalosome complex subunit           | Cops2                                       | 26.8949 | 26.7726 | 16 | 51.609 | 95.674 | 64   | 0.775174 | 1 |
| Q3U344;P61205  | ADP-ribosylation factor 3 Arf3              | 31.8439 | 31.9629 | 14 | 20.601 | 323.31 | 1181 | 0.759179 | 1 |
| Q6ZWR0;P61226  | Ras-related protein Rap-2b Rap2b            | 27.6038 | 28.3197 | 11 | 20.504 | 128.56 | 113  | 0.191184 | 1 |
| Q4FZH2;P61255;B160S ribosomal protein L26                  | Rpl26                                       | 25.4313 | 25.8218 | 6  | 17.258 | 16.73  | 50   | 0.760461 | 1 |
| P61264   | Syntaxin-1B Stx1b                           | 31.7619 | 31.8257 | 18 | 33.244 | 323.31 | 933  | 0.715004 | 1 |
| Q0PD53;P61294  | Ras-related protein Rab-6B Rab6b            | 25.1141 | 25.204  | 11 | 23.461 | 49.48  | 24   | 0.943271 | 1 |
| P61329;Q35340;C6 Fibroblast growth factor 12;Fibrobl       | Fgf12;Fgf14                                 | 23.8276 | 25.1338 | 4  | 27.399 | 10.352 | 23   | 0.259897 | 1 |
| Q5BLJ9;P61358;Q9 60S ribosomal protein L27                 | Rpl27                                       | 25.4982 | 26.203  | 6  | 15.798 | 16.689 | 63   | 0.432965 | 1 |
| P61922;Q3V1S0  | 4-aminobutyrate aminotransferase Abat       | 32.2022 | 32.2672 | 40 | 56.451 | 323.31 | 1129 | 0.463136 | 1 |
| Q4FZE6;P62082;F6 40S ribosomal protein S7                  | Rps7;Gm9493                                 | 27.1727 | 25.8602 | 13 | 22.127 | 31.768 | 61   | 0.250333 | 1 |
| P62137;Q3U8W0;C Serine/threonine-protein phosphatase       | Ppp1ca                                      | 28.3256 | 28.7604 | 22 | 37.54  | 70.899 | 221  | 0.056897 | 1 |
| P62141   | Serine/threonine-protein phosphatase Ppp1cb | 30.6461 | 30.722  | 22 | 37.186 | 323.31 | 581  | 0.462698 | 1 |
| Q542I9;P62192  | 26S protease regulatory subunit 4 Psmc1     | 27.0362 | 26.9911 | 13 | 49.184 | 155.82 | 53   | 0.785832 | 1 |
| P62196;Q99KR1;Q 26S protease regulatory subunit 8          | Psmc5                                       | 26.6611 | 26.8774 | 12 | 45.626 | 164.56 | 74   | 0.441278 | 1 |
| P62204;Q3UKW2;C Calmodulin;Calmodulin-like protein         | Calml1;Calml3                               | 31.3146 | 31.1814 | 13 | 16.837 | 323.31 | 339  | 0.835032 | 1 |
| Q497E9;P62242;Q 40S ribosomal protein S8                   | Rps8  | 27.078  | 27.6191 | 11 | 24.205 | 56.182 | 106  | 0.256759 | 1 |

|   |                  |         |         |    |        |        |      |          |   |
|---|------------------|---------|---------|----|--------|--------|------|----------|---|
| Q5M9M4;P62245;F40S ribosomal protein S15a                             | Rps15a           | 25.312  | 25.5414 | 5  | 14.839 | 30.855 | 42   | 0.749667 | 1 |
| Q5SS40;P62259;Q814-3-3 protein epsilon                                | Ywhae            | 33.3653 | 33.2489 | 27 | 29.174 | 323.31 | 2026 | 0.628413 | 1 |
| Q9CWI9;Q9CZI5;P640S ribosomal protein S23                             | Rps23            | 23.9199 | 25.6672 | 5  | 15.835 | 30.436 | 26   | 0.22765  | 1 |
| Q3UC02;Q9DB79;P40S ribosomal protein S11                              | Rps11            | 25.1009 | 25.4383 | 10 | 18.431 | 26.171 | 49   | 0.698532 | 1 |
| Q921R2;Q5BLJ7;P640S ribosomal protein S13                             | Rps13            | 27.3813 | 27.2605 | 8  | 16.142 | 33.835 | 122  | 0.88989  | 1 |
| Q14AF6;P62317;D3Small nuclear ribonucleoprotein Sn Snrpd2;Gm5449      | Snrpd2           | 24.763  | 24.3803 | 4  | 13.527 | 28.724 | 30   | 0.710762 | 1 |
| Q91VM2;P62320 Small nuclear ribonucleoprotein Sn Snrpd3               | Snrpd3           | 24.3961 | 25.615  | 3  | 13.985 | 46.743 | 32   | 0.220135 | 1 |
| Q3U0D7;P62331 ADP-ribosylation factor 6                               | Arf6             | 25.4795 | 24.3793 | 5  | 20.082 | 18.3   | 33   | 0.488385 | 1 |
| Q14AQ1;P62334;Q26S protease regulatory subunit 1C Psmc6               | Psmc6            | 26.4523 | 26.7532 | 16 | 44.172 | 101.48 | 45   | 0.72271  | 1 |
| P62482;Q3UPV6;E1Voltage-gated potassium channel subunit alpha 2 Kcna2 | Kcna2            | 26.8618 | 27.3565 | 16 | 41.021 | 117.94 | 63   | 0.538903 | 1 |
| P62631 Elongation factor 1-alpha 2                                    | Eef1a2           | 30.1705 | 30.3355 | 20 | 50.454 | 323.31 | 289  | 0.528824 | 1 |
| Q545F8;Q545X8;Q40S ribosomal protein S4;40S ribosomal protein S4      | Rps4x;Rps4l;Grr1 | 27.2927 | 27.1963 | 16 | 27.504 | 49.211 | 104  | 0.947063 | 1 |
| P62715;Q8VED4 Serine/threonine-protein phosphatase 2C Ppp2cb          | Ppp2cb           | 24.7425 | 24.4019 | 18 | 35.575 | 8.7404 | 11   | 0.778008 | 1 |
| Q3UJ76;P62743;Q7AP-2 complex subunit sigma                            | Ap2s1            | 28.8732 | 28.8855 | 6  | 17.018 | 25.223 | 154  | 0.973592 | 1 |
| Q4FJM5;P62746;Q1Rho-related GTP-binding protein RhoB Rhob             | Rhob             | 29.098  | 28.9398 | 10 | 22.123 | 81.399 | 171  | 0.510654 | 1 |
| P62748 Hippocalcin-like protein 1                                     | Hpcal1           | 25.4892 | 25.3143 | 12 | 22.338 | 16.087 | 25   | 0.901623 | 1 |
| Q5BLK1;P62754;Q340S ribosomal protein S6                              | Rps6             | 26.0852 | 25.9755 | 8  | 28.68  | 25.546 | 31   | 0.724592 | 1 |
| Q4W4C9;Q3TVCO;F1Visinin-like protein 1                                | Vsnl1            | 30.5875 | 30.4908 | 17 | 22.142 | 148.2  | 372  | 0.853426 | 1 |
| P62774 Myotrophin   | Mtpn             | 23.7145 | 25.5721 | 3  | 12.861 | 20.241 | 27   | 0.231714 | 1 |
| P62814 V-type proton ATPase subunit B, brain Atp6v1b2                 | Atp6v1b2         | 32.2524 | 32.3586 | 31 | 56.55  | 323.31 | 1603 | 0.761655 | 1 |
| Q5SW88;Q3UB66;C1Ras-related protein Rab-1A Rab1;Rab1A                 | Rab1;Rab1A       | 30.2573 | 30.3391 | 11 | 22.372 | 80.269 | 344  | 0.913292 | 1 |
| Q3TU26;Q542T7;P1Ras-related protein Rab-3C Rab3c                      | Rab3c            | 27.1805 | 27.2513 | 7  | 25.623 | 26.975 | 66   | 0.899364 | 1 |
| Q3ULW0;P62827;C1GTP-binding nuclear protein Ran Ran;1700009N1         | Ran;1700009N1    | 29.662  | 30.0098 | 11 | 24.351 | 84.793 | 369  | 0.601492 | 1 |
| P62830 60S ribosomal protein L23                                      | Rpl23            | 25.0944 | 24.8757 | 4  | 14.865 | 19.501 | 40   | 0.864971 | 1 |
| P62835;C5H0E8;A0Ras-related protein Rap-1A Rap1a;Gm9392               | Rap1a;Gm9392     | 23.7053 | 26.1728 | 12 | 20.987 | 95.618 | 29   | 0.059945 | 1 |
| Q3UT95;P62838 Ubiquitin-conjugating enzyme E2 D Ube2d2a;Ube2d2        | Ube2d2a;Ube2d2   | 26.4759 | 25.2886 | 4  | 16.735 | 44.792 | 37   | 0.60703  | 1 |
| Q58EA6;P62852 40S ribosomal protein S25                               | Rps25            | 26.2619 | 27.5655 | 6  | 13.742 | 18.971 | 75   | 0.403597 | 1 |
| Q497N1;P62855 40S ribosomal protein S26                               | Rps26            | 25.3023 | 25.7199 | 5  | 13.015 | 15.854 | 42   | 0.812958 | 1 |
| P62869 Transcription elongation factor B p Tceb2                      | Tceb2            | 25.4345 | 24.9133 | 8  | 13.17  | 41.808 | 43   | 0.753813 | 1 |
| Q3TQ70;P62874;Q1Guanine nucleotide-binding protein 1 Gnb1             | Gnb1             | 33.5964 | 33.3271 | 19 | 37.377 | 323.31 | 1334 | 0.302774 | 1 |
| Q3U9V4;P62880;E1Guanine nucleotide-binding protein 2 Gnb2             | Gnb2             | 31.24   | 31.1104 | 18 | 37.331 | 323.31 | 675  | 0.576535 | 1 |
| Q56A15;P62897 Cytochrome c, somatic                                   | Cycc             | 31.5524 | 31.527  | 11 | 11.605 | 162.68 | 514  | 0.966084 | 1 |
| Q5YLW3;P62908;Q40S ribosomal protein S3                               | Rps3             | 27.3594 | 27.0428 | 17 | 26.674 | 65.991 | 109  | 0.509557 | 1 |

|                  |                                       |                |         |         |    |        |        |      |          |   |
|------------------|---------------------------------------|----------------|---------|---------|----|--------|--------|------|----------|---|
| P62911;Q5PR09    | 60S ribosomal protein L32             | Rpl32          | 23.9975 | 25.0548 | 5  | 15.86  | 12.042 | 21   | 0.462532 | 1 |
| Q3UJS0;P62918;Q3 | 60S ribosomal protein L8              | Rpl8           | 26.5942 | 26.8462 | 4  | 28.066 | 22.566 | 42   | 0.344098 | 1 |
| Q642L7;P62983;A5 | Ubiquitin-40S ribosomal protein S2    | Rps27a;Ubc;Grr | 30.3061 | 30.7423 | 7  | 17.951 | 101.31 | 489  | 0.20332  | 1 |
| Q5SW18;Q3TJG1;P  | Platelet-activating factor acetylhyd  | Pafah1b1       | 28.8312 | 28.6981 | 21 | 46.67  | 259.42 | 168  | 0.476627 | 1 |
| Q0PD63;P63011    | Ras-related protein Rab-3A            | Rab3a          | 31.0422 | 31.4321 | 9  | 24.97  | 176.5  | 759  | 0.307284 | 1 |
| Q3UBA6;Q3TH56;C  | Heat shock cognate 71 kDa protein     | Hspa8          | 34.0018 | 34.0304 | 44 | 70.898 | 323.31 | 3063 | 0.883389 | 1 |
| P63028;D3YU75    | Translationally-controlled tumor pr   | Tpt1           | 26.543  | 27.949  | 8  | 19.462 | 45.936 | 66   | 0.304167 | 1 |
| Q5NTY0;Q3TK61;P  | DnaJ homolog subfamily A membe        | Dnaja1         | 27.1313 | 27.162  | 14 | 44.868 | 127.76 | 52   | 0.9613   | 1 |
| P63038           | 60 kDa heat shock protein, mitoch     | Hspd1          | 32.4613 | 32.553  | 45 | 60.955 | 323.31 | 1354 | 0.445579 | 1 |
| P63046;Q8BQV8    | Sulfotransferase 4A1;Sulfotransfer    | Sult4a1        | 24.9435 | 25.2941 | 9  | 33.053 | 42.815 | 35   | 0.792723 | 1 |
| Q3TK95;P63073;A  | Eukaryotic translation initiation fac | Eif4e          | 26.0811 | 26.7527 | 4  | 25.053 | 14.687 | 21   | 0.457617 | 1 |
| P63085;Q3UF82;O  | Mitogen-activated protein kinase 1    | Mapk1;Erk2     | 30.3286 | 30.4036 | 26 | 41.275 | 323.31 | 557  | 0.629668 | 1 |
| Q6ZWM8;Q3U7K1;   | Serine/threonine-protein phosphat     | Ppp1cc         | 27.1763 | 26.5769 | 22 | 36.983 | 40.26  | 32   | 0.248293 | 1 |
| Z4YKV1;P63094;Q  | Guanine nucleotide-binding protei     | Gnas           | 25.8796 | 25.4068 | 16 | 44.178 | 87.296 | 50   | 0.736058 | 1 |
| P63101           | 14-3-3 protein zeta/delta             | Ywhaz          | 34.7417 | 34.6077 | 25 | 27.771 | 323.31 | 1913 | 0.735977 | 1 |
| P63141;Q3TZ64;Q  | Potassium voltage-gated channel s     | Kcna2;Kcna1;Kc | 25.9208 | 26.1388 | 6  | 56.7   | 19.244 | 38   | 0.703421 | 1 |
| P63213           | Guanine nucleotide-binding protei     | Gng2           | 25.841  | 25.6017 | 5  | 7.8501 | 27.984 | 51   | 0.87303  | 1 |
| Q5M9L7;Q3TK12;C  | 40S ribosomal protein S17             | Rps17          | 24.1838 | 23.6089 | 4  | 15.524 | 11.147 | 16   | 0.071907 | 1 |
| Q3UN66;P63318;Q  | Protein kinase C;Protein kinase C     | g Prkcg        | 29.4407 | 29.3668 | 35 | 78.357 | 323.31 | 341  | 0.86107  | 1 |
| P63321;Q9CXY0    | Ras-related protein Ral-A             | Rala           | 28.2205 | 28.9811 | 10 | 23.553 | 70.281 | 167  | 0.103352 | 1 |
| Q5M9K7;Q3U9P0;F  | 40S ribosomal protein S10             | Rps10          | 26.7331 | 26.6115 | 5  | 18.916 | 69.464 | 79   | 0.919171 | 1 |
| P63330;Q8BN07    | Serine/threonine-protein phosphat     | Ppp2ca;Ppp2cb  | 29.7026 | 29.7013 | 18 | 35.608 | 323.31 | 411  | 0.995956 | 1 |
| P67778;Q5SQG5;Q  | Prohibitin                            | Phb            | 30.3903 | 30.4564 | 17 | 29.82  | 323.31 | 518  | 0.897512 | 1 |
| Q4VAG4;P67984    | 60S ribosomal protein L22             | Rpl22          | 25.19   | 24.4018 | 4  | 14.759 | 103.35 | 34   | 0.491897 | 1 |
| Q561N4;P68037;Q  | Ubiquitin-conjugating enzyme E2 L     | Ube2l3         | 28.1852 | 25.5651 | 6  | 17.861 | 47.848 | 62   | 0.091688 | 1 |
| P68040           | Guanine nucleotide-binding protei     | Gnb2l1         | 27.4435 | 27.503  | 15 | 35.076 | 154.87 | 86   | 0.844701 | 1 |
| P68181;H6TMF6;H  | cAMP-dependent protein kinase ca      | Prkacb         | 29.4651 | 29.458  | 20 | 40.707 | 198.84 | 329  | 0.978374 | 1 |
| P68368;A0A0A0M   | Tubulin alpha-4A chain                | Tuba4a         | 32.3404 | 32.2647 | 33 | 49.924 | 323.31 | 972  | 0.711742 | 1 |
| P68369;Q5FW91;P  | Tubulin alpha-1A chain;Tubulin alp    | Tuba1a;Tuba3a  | 32.3524 | 32.4657 | 35 | 50.135 | 198.23 | 1091 | 0.677252 | 1 |
| P68372;Q9DCR1;Q  | Tubulin beta-4B chain                 | Tubb4b         | 35.988  | 35.9565 | 31 | 49.83  | 323.31 | 7891 | 0.819734 | 1 |
| Q52L87;P68373    | Tubulin alpha-1C chain                | Tuba1c         | 30.2155 | 27.8381 | 35 | 49.909 | 27.378 | 279  | 0.38367  | 1 |
| P68404           | Protein kinase C beta type            | Prkcb          | 30.0105 | 30.0947 | 36 | 76.75  | 323.31 | 469  | 0.659051 | 1 |
| P68510           | 14-3-3 protein eta                    | Ywhah          | 30.6835 | 30.6792 | 20 | 28.211 | 323.31 | 377  | 0.992248 | 1 |

|                  |                                      |              |         |         |    |        |        |     |          |   |
|------------------|--------------------------------------|--------------|---------|---------|----|--------|--------|-----|----------|---|
| Q3TFE8;P70168;Q7 | Importin subunit beta-1              | Kpnb1        | 29.5609 | 29.4987 | 30 | 97.112 | 323.31 | 246 | 0.868135 | 1 |
| Q5D098;P70195    | Proteasome subunit beta type;Pro     | Psmb7        | 25.9369 | 27.0924 | 8  | 29.76  | 24.698 | 30  | 0.296311 | 1 |
| Q14BZ3;P70202    | Latexin                              | Lxn          | 25.2153 | 25.9576 | 4  | 25.492 | 26.235 | 15  | 0.457278 | 1 |
| Q5EBQ2;Q3TGC5;P  | Phosphatidylethanolamine-binding     | Pebp1        | 31.8358 | 31.5216 | 12 | 20.83  | 323.31 | 680 | 0.623574 | 1 |
| P70333;Q3UR26    | Heterogeneous nuclear ribonucleo     | Hnrnph2      | 25.4444 | 24.9459 | 11 | 49.279 | 73.249 | 26  | 0.587134 | 1 |
| P70336;F8VPK5;Q6 | Rho-associated protein kinase 2;Rh   | Rock2        | 26.3219 | 26.5424 | 23 | 160.58 | 135.15 | 56  | 0.647373 | 1 |
| P70349           | Histidine triad nucleotide-binding   | Hint1        | 26.9424 | 27.9538 | 7  | 13.777 | 88.21  | 107 | 0.44368  | 1 |
| Q8BTQ1;Q8BW03;Q  | ELAV-like protein;ELAV-like protein  | Elavl1       | 25.9223 | 26.1221 | 10 | 33.757 | 33.198 | 37  | 0.548469 | 1 |
| Q4FE56;P70398    | Ubiquitin carboxyl-terminal hydrol   | Usp9x        | 25.8378 | 25.1199 | 12 | 290.21 | 29.25  | 17  | 0.283355 | 1 |
| Q3TKM5;Q3TGZ3;F  | Isocitrate dehydrogenase [NAD] su    | Idh3g        | 30.0591 | 30.2151 | 17 | 42.314 | 323.31 | 488 | 0.529535 | 1 |
| Q3TG37;P70441    | Na(+)/H(+) exchange regulatory co    | Slc9a3r1     | 27.4251 | 27.6198 | 13 | 38.6   | 117.21 | 69  | 0.450194 | 1 |
| Q3TYD5;P70663;Q  | SPARC-like protein 1                 | Sparcl1      | 23.3389 | 23.288  | 3  | 72.342 | 12.513 | 8   | 0.965003 | 1 |
| P70670;Q3UK68;Q  | Nascent polypeptide-associated co    | Naca         | 25.7846 | 24.8569 | 5  | 220.5  | 30.732 | 40  | 0.366255 | 1 |
| Q3TIJ7;Q3TET0;P8 | T-complex protein 1 subunit eta      | Cct7         | 29.3637 | 29.2905 | 23 | 59.652 | 323.31 | 222 | 0.61226  | 1 |
| Q542X7;P80314;Q  | T-complex protein 1 subunit beta     | Cct2         | 30.0892 | 29.9624 | 35 | 57.477 | 323.31 | 356 | 0.471615 | 1 |
| Q564F4;Q3UJZ8;Q  | T-complex protein 1 subunit delta    | Cct4         | 28.912  | 28.9283 | 23 | 58.066 | 209.55 | 245 | 0.924842 | 1 |
| P80316           | T-complex protein 1 subunit epsilo   | Cct5         | 29.3785 | 29.4184 | 26 | 59.623 | 323.31 | 276 | 0.801092 | 1 |
| Q52KG9;Q3TIX8;Q  | T-complex protein 1 subunit zeta     | Cct6a        | 29.2548 | 29.2917 | 23 | 58.076 | 270.34 | 243 | 0.910461 | 1 |
| Q3U4U6;P80318;E  | T-complex protein 1 subunit gamm     | Cct3         | 29.5803 | 29.509  | 28 | 60.629 | 277.51 | 381 | 0.567519 | 1 |
| P84075;E9PV73;A2 | Neuron-specific calcium-binding pr   | Hpca         | 31.0339 | 31.0463 | 16 | 22.427 | 230.71 | 547 | 0.98627  | 1 |
| P84084           | ADP-ribosylation factor 5            | Arf5         | 27.1875 | 28.3356 | 14 | 20.529 | 41.12  | 63  | 0.377444 | 1 |
| P84086           | Complexin-2                          | Cplx2        | 27.0358 | 27.0271 | 5  | 15.394 | 33.02  | 61  | 0.990273 | 1 |
| Q5FWI9;P84091;Q  | AP-2 complex subunit mu              | Ap2m1        | 30.6279 | 30.6932 | 26 | 49.654 | 323.31 | 620 | 0.834697 | 1 |
| Q3U781;Q9D6W4;I  | Serine/arginine-rich splicing factor | Srsf3        | 26.1301 | 27.4665 | 7  | 14.203 | 18.056 | 46  | 0.447363 | 1 |
| P84309           | Adenylate cyclase type 5             | Adcy5        | 27.9371 | 27.8176 | 21 | 139.12 | 190.97 | 168 | 0.926483 | 1 |
| P97300;H3BIX4;Z4 | Neuroplastin                         | Nptn         | 30.2027 | 30.2212 | 14 | 44.373 | 152.16 | 364 | 0.930025 | 1 |
| Q4FJX4;P97315    | Cysteine and glycine-rich protein 1  | Csrp1        | 29.8738 | 29.1301 | 8  | 20.583 | 75.113 | 98  | 0.190354 | 1 |
| Q564F3;Q3UAC2;P  | 40S ribosomal protein S3a            | Rps3a1;Rps3a | 28.3076 | 28.305  | 15 | 29.885 | 75.712 | 114 | 0.994985 | 1 |
| Q544Q7;P97370;Q  | Sodium/potassium-transporting AT     | Atp1b3       | 26.3933 | 26.3505 | 5  | 31.775 | 26.676 | 32  | 0.886752 | 1 |
| Q3U541;P97379;Q  | Ras GTPase-activating protein-bind   | G3bp2        | 26.6859 | 26.3793 | 9  | 54.087 | 52.286 | 37  | 0.297047 | 1 |
| P97427           | Dihydropyrimidinase-related prote    | Crmp1        | 25.8525 | 26.448  | 35 | 62.167 | 5.2354 | 11  | 0.767714 | 1 |
| Q3UNA7;Q3TEF1;P  | Glutamate--cysteine ligase catalyti  | Gclc         | 23.4558 | 23.9039 | 4  | 72.585 | 11.182 | 10  | 0.45899  | 1 |
| Q544A1;Q3TRG5;Q  | WW domain-binding protein 2          | Wbp2         | 26.2463 | 26.7423 | 6  | 28.032 | 27.077 | 25  | 0.056043 | 1 |

|                  |                                      |              |         |         |    |        |        |      |          |   |
|------------------|--------------------------------------|--------------|---------|---------|----|--------|--------|------|----------|---|
| P97807           | Fumarate hydratase, mitochondria     | Fh           | 30.787  | 30.7032 | 27 | 54.356 | 323.31 | 578  | 0.602905 | 1 |
| P97930;Q6GRA7    | Thymidylate kinase                   | Dtymk        | 23.0922 | 24.2639 | 5  | 23.914 | 10.957 | 14   | 0.077567 | 1 |
| P99024           | Tubulin beta-5 chain                 | Tubb5        | 32.4925 | 32.7223 | 29 | 49.67  | 323.31 | 913  | 0.12479  | 1 |
| P99026           | Proteasome subunit beta type-4       | Psmb4        | 27.5703 | 27.9954 | 6  | 29.116 | 46.973 | 70   | 0.489655 | 1 |
| P99028           | Cytochrome b-c1 complex subunit      | Uqcrh        | 26.1198 | 24.2077 | 4  | 10.435 | 11.294 | 21   | 0.248256 | 1 |
| Q3UWS9;Q3U7H9;   | Peroxiredoxin-5, mitochondrial       | Prdx5        | 31.9838 | 31.4776 | 12 | 20.713 | 323.31 | 809  | 0.574844 | 1 |
| Q543R4;Q00493    | Carboxypeptidase E                   | Cpe          | 26.8013 | 26.7559 | 16 | 53.255 | 112.13 | 56   | 0.928967 | 1 |
| Q790Y8;Q00612;Q  | Glucose-6-phosphate 1-dehydroge      | G6pdx        | 26.8549 | 26.9127 | 19 | 59.262 | 112.33 | 76   | 0.817057 | 1 |
| Q3V2G1;Q00623;Q  | Apolipoprotein A-I;Proapolipoprot    | Apoa1        | 28.0205 | 28.1243 | 12 | 30.684 | 48.543 | 79   | 0.883836 | 1 |
| Q58EU7;Q00915    | Retinol-binding protein 1            | Rbp1         | 24.0163 | 23.9051 | 5  | 15.846 | 9.6036 | 11   | 0.890124 | 1 |
| Q00PI9           | Heterogeneous nuclear ribonucleo     | Hnrnpul2     | 26.7136 | 26.7648 | 12 | 84.939 | 75.3   | 48   | 0.700822 | 1 |
| Q01065;Q9DBS6;Q  | Calcium/calmodulin-dependent 3,5     | Pde1b        | 30.8678 | 31.0328 | 30 | 61.225 | 323.31 | 758  | 0.632901 | 1 |
| Q01853;Q8BNF8    | Transitional endoplasmic reticulum   | Vcp          | 31.6759 | 31.5271 | 45 | 89.321 | 323.31 | 1025 | 0.742952 | 1 |
| Q3UZT7;Q02248;E  | Catenin beta-1                       | Ctnnb1       | 28.2242 | 28.2268 | 24 | 85.496 | 323.31 | 164  | 0.98063  | 1 |
| Q99KA8;Q03137    | Receptor protein-tyrosine kinase;E   | Epha4        | 23.5007 | 23.2087 | 4  | 103.44 | 11.548 | 14   | 0.566566 | 1 |
| Q03265;D3Z6F5    | ATP synthase subunit alpha, mitocl   | Atp5a1       | 34.4469 | 34.5145 | 38 | 59.752 | 323.31 | 3894 | 0.707237 | 1 |
| Q04447           | Creatine kinase B-type               | Ckb          | 34.9364 | 34.9031 | 24 | 42.713 | 323.31 | 5560 | 0.788988 | 1 |
| Q05186           | Reticulocalbin-1                     | Rcn1         | 23.7415 | 23.8067 | 4  | 38.113 | 41.096 | 8    | 0.917712 | 1 |
| Q497I3;Q05816;Q3 | Fatty acid-binding protein, epiderr  | Fabp5        | 27.7493 | 28.5748 | 14 | 15.137 | 163.15 | 126  | 0.215907 | 1 |
| Q8BM29;Q05DT0;C  | Gamma-adducin                        | Add3         | 27.5217 | 27.5432 | 17 | 72.604 | 123.36 | 105  | 0.922104 | 1 |
| Q06138;Q8K312    | Calcium-binding protein 39           | Cab39        | 26.8515 | 26.5296 | 13 | 39.842 | 49.583 | 87   | 0.604432 | 1 |
| Q5EBI8;Q06185    | ATP synthase subunit e, mitochonc    | Atp5k;Atp5i  | 30.2695 | 30.3718 | 6  | 8.2364 | 54.31  | 302  | 0.89451  | 1 |
| Q549A5;Q06890;Q  | Clusterin;Clusterin;Clusterin beta c | Clu          | 26.4733 | 26.6482 | 9  | 51.655 | 39.1   | 47   | 0.836269 | 1 |
| Q922A2;Q3TJ49;Q  | Annexin;Annexin A7                   | Anxa7        | 27.4392 | 27.6231 | 17 | 49.909 | 140.1  | 132  | 0.60891  | 1 |
| Q08331;Q8CCS7    | Calretinin                           | Calb2        | 27.1203 | 26.7065 | 9  | 31.372 | 42.559 | 53   | 0.65503  | 1 |
| Q0KL02           | Triple functional domain protein     | Trio         | 24.2621 | 24.8814 | 8  | 347.86 | 20.279 | 20   | 0.076309 | 1 |
| Q0PD15;Q8BHD0    | Ras-related protein Rab-39A          | Rab39;Rab39a | 24.7305 | 25.2732 | 3  | 24.977 | 13.714 | 29   | 0.721862 | 1 |
| Q0PD66;Q9D1G1;C  | Ras-related protein Rab-1B           | Rab1b        | 23.8905 | 23.7653 | 9  | 22.187 | 80.097 | 26   | 0.92405  | 1 |
| Q0QEZ4;Q9CQA3;C  | Succinate dehydrogenase [ubiquin     | Sdhb         | 29.3771 | 29.9082 | 15 | 27.208 | 99.196 | 256  | 0.354761 | 1 |
| Q0VB06;Q571F3;Q  | Adaptin ear-binding coat-associate   | Necap1       | 28.2084 | 28.3976 | 10 | 29.639 | 74.367 | 161  | 0.742659 | 1 |
| Q11011;F6QYF8;E9 | Puromycin-sensitive aminopeptida     | Npepps       | 30.4203 | 30.3761 | 44 | 103.32 | 323.31 | 570  | 0.722713 | 1 |
| Q14BB9           | MAP6 domain-containing protein 1     | Map6d1       | 24.4883 | 25.0915 | 5  | 20.432 | 28.447 | 24   | 0.737019 | 1 |
| Q14BH8;E9Q1X8;O  | Voltage-dependent calcium chann      | Cacna2d1     | 28.4374 | 27.5192 | 27 | 122.7  | 323.31 | 111  | 0.343716 | 1 |

|                  |  |               |         |         |    |        |        |     |          |   |
|------------------|--|---------------|---------|---------|----|--------|--------|-----|----------|---|
| Q14C38;Q8CCT4    | Transcription elongation factor A p Tceal5 |               | 27.258  | 27.3269 | 6  | 22.038 | 22.569 | 47  | 0.916427 | 1 |
| Q1A602           | Non-muscle alpha-actinin 4                 | Actn4         | 25.5512 | 26.9971 | 50 | 104.91 | 8.7843 | 21  | 0.411791 | 1 |
| Q1MXF8;Q56A07    | Sodium channel subunit beta-2              | Scn2b         | 23.9456 | 25      | 5  | 24.227 | 11.94  | 12  | 0.442697 | 1 |
| Q1MXF9;Q7M729    | Sodium channel subunit beta-4              | Scn4b         | 24.9448 | 25.4961 | 3  | 25.192 | 8.7271 | 31  | 0.593882 | 1 |
| Q9D6G1;Q544Z3;Q  | Heterogeneous nuclear ribonucleo           | Hnrnpab       | 26.6727 | 27.2352 | 11 | 29.922 | 39.541 | 74  | 0.01752  | 1 |
| Q2M3X8;B1B1B8    | Phosphatase and actin regulator 1;         | Phactr1       | 27.8467 | 28.0359 | 17 | 66.285 | 126.71 | 113 | 0.793336 | 1 |
| Q2M4H5;Q9D5V5;I  | Cullin-5                                   | Cul5          | 25.0001 | 24.6034 | 13 | 90.973 | 43.971 | 21  | 0.664709 | 1 |
| Q2UZW7;Q6PER3;A  | Microtubule-associated protein RP          | Mapre3        | 28.7417 | 28.9492 | 20 | 31.966 | 196.44 | 214 | 0.813351 | 1 |
| Q9QZA3;Q3KN99;C  | Synapsin-3                                 | Syn3          | 24.3557 | 24.1489 | 8  | 63.386 | 12.187 | 14  | 0.820964 | 1 |
| Q3KNM9;Q9DCZ4    | Apolipoprotein O                           | Apoo          | 26.8222 | 25.8804 | 7  | 18.826 | 38.985 | 47  | 0.045345 | 1 |
| Q3ZB62;Q3T1F6    | Myelin-associated glycoprotein             | Mag           | 30.5194 | 30.1646 | 12 | 64.296 | 268.1  | 441 | 0.113097 | 1 |
| Q3TN93;Q3T992;Q  | Ubiquilin-1                                | Ubqln1        | 23.3128 | 24.1894 | 6  | 58.678 | 14.517 | 8   | 0.439864 | 1 |
| Q3T9Z2;Q91Z53;D  | Glyoxylate reductase/hydroxypyru           | Grhpr         | 27.2903 | 27.9775 | 13 | 35.328 | 115.95 | 120 | 0.41528  | 1 |
| Q3TA40;Q8R0A7    | Uncharacterized protein KIAA0513           | 6430548M08Ril | 25.7581 | 25.9629 | 9  | 45.218 | 32.056 | 38  | 0.552593 | 1 |
| Z4YJY0;Q3TCJ1;Q6 | BRISC complex subunit Abro1                | Fam175b       | 23.398  | 23.1018 | 3  | 47.932 | 5.3226 | 3   | 0.510889 | 1 |
| Q543B9;Q3TCS0;Q  | Prolyl endopeptidase                       | Prep          | 24.8987 | 25.5859 | 11 | 80.751 | 55.394 | 25  | 0.441226 | 1 |
| Q3TD71;Q8K021;Q  | Secretory carrier-associated memb          | Scamp1        | 26.9876 | 26.8996 | 8  | 38.028 | 179.89 | 52  | 0.827331 | 1 |
| Q7TMG8;Q3TD78;C  | Protein NipSnap homolog 2                  | Gbas          | 29.608  | 30.0512 | 15 | 32.898 | 200.02 | 195 | 0.479566 | 1 |
| Q3TDA7;Q9WVE8;C  | Protein kinase C and casein kinase         | Pacsin2       | 26.0851 | 25.8411 | 8  | 55.832 | 37.083 | 15  | 0.483493 | 1 |
| Q3TDD8;Q3UGC0;C  | Eukaryotic translation initiation fac      | Eif4b         | 25.7899 | 25.4107 | 9  | 68.709 | 65.722 | 30  | 0.782175 | 1 |
| Q3TDD9           | Protein phosphatase 1 regulatory s         | Ppp1r21       | 23.5741 | 24.2232 | 4  | 88.337 | 12.771 | 5   | 0.369434 | 1 |
| Q3TDK6;A0A0J9YU  | Protein rogdi homolog                      | Rogdi         | 24.9217 | 25.4373 | 8  | 32.1   | 29.711 | 32  | 0.536862 | 1 |
| Q3TDN8;Q8R164    | Valacyclovir hydrolase                     | Bphl          | 26.4108 | 26.7664 | 12 | 33.705 | 126.78 | 103 | 0.693884 | 1 |
| Z4YKA3;Z4YKB8;Q3 | Heterochromatin protein 1-binding          | Hp1bp3        | 26.0471 | 25.1494 | 9  | 56.824 | 34.538 | 25  | 0.216394 | 1 |
| Q4FK11;Q3UM20;C  | Non-POU domain-containing octan            | Nono          | 27.0687 | 27.068  | 13 | 54.54  | 76.729 | 56  | 0.997478 | 1 |
| Q3TF84;Q922Q8    | Leucine-rich repeat-containing pro         | Lrrc59        | 24.6753 | 24.7899 | 4  | 20.408 | 13.194 | 29  | 0.7048   | 1 |
| Q3TMC5;Q3TF87;C  | Aspartate--tRNA ligase, cytoplasmic        | Dars          | 26.9884 | 27.1746 | 16 | 57.181 | 53.208 | 98  | 0.438119 | 1 |
| Q3TG12;Q3TI98;Q  | Phenylalanine--tRNA ligase beta su         | Farsb         | 25.0515 | 24.6907 | 9  | 65.565 | 23.158 | 28  | 0.399778 | 1 |
| Q3TG45;Q99JB5;Q  | 26S proteasome non-ATPase regul            | Psmc8         | 23.9793 | 25.1132 | 5  | 28.526 | 12.039 | 13  | 0.108281 | 1 |
| Q6ZWQ5;Q3TGS7;C  | Sorting nexin-12                           | Snx12         | 25.6748 | 25.7296 | 8  | 18.884 | 42.525 | 48  | 0.976998 | 1 |
| Q3THA6;Q8BL97    | Serine/arginine-rich splicing factor       | Srsf7         | 26.4328 | 26.5005 | 8  | 27.377 | 33.917 | 36  | 0.889851 | 1 |
| Q3TW40;Q3THB3;C  | Heterogeneous nuclear ribonucleo           | Hnrnmp        | 27.212  | 26.7104 | 14 | 73.769 | 75.155 | 45  | 0.287971 | 1 |
| Q3THC1;Q9CR00;Q  | 26S proteasome non-ATPase regul            | Psmc9         | 23.761  | 24.2269 | 5  | 24.692 | 10.779 | 5   | 0.580502 | 1 |

|   |         |         |    |        |        |      |          |   |
|---|---------|---------|----|--------|--------|------|----------|---|
| Q3THE2;Q6ZWQ9;I Myosin regulatory light chain 12B;I Myl12b;Myl12a     | 25.7791 | 26.7149 | 7  | 19.779 | 31.968 | 66   | 0.537077 | 1 |
| Q3THH1;Q922R8;C Protein disulfide-isomerase A6 Pdia6                  | 26.6898 | 26.7901 | 10 | 48.657 | 276.02 | 68   | 0.805046 | 1 |
| Q3TIG8;Q3THL7;F2 Voltage-dependent anion-selective Vdac1              | 33.1924 | 33.2159 | 18 | 30.795 | 323.31 | 2321 | 0.960289 | 1 |
| Q8BU29;Q6NXZ0;C Dipeptidyl peptidase 3 Dpp3                           | 25.2481 | 27.1673 | 16 | 82.882 | 76.302 | 32   | 0.252133 | 1 |
| Q3THQ5;Q60864 Stress-induced-phosphoprotein 1 Stip1                   | 30.3155 | 30.1663 | 36 | 62.5   | 323.31 | 410  | 0.741316 | 1 |
| Q99J57;Q3THS6;Q S-adenosylmethionine synthase;S- Mat2a                | 26.736  | 26.5997 | 11 | 43.688 | 58.552 | 63   | 0.459933 | 1 |
| Q3THU8;Q8VEM8;I Phosphate carrier protein, mitochc Slc25a3            | 30.6497 | 30.7656 | 18 | 39.613 | 281.85 | 560  | 0.811427 | 1 |
| Q3TXV1;Q3TKV1;Q 26S proteasome non-ATPase reguli Psmc2;Gm5422         | 27.5235 | 27.7023 | 24 | 100.14 | 102.03 | 73   | 0.782302 | 1 |
| Q6Nzd2;Q3U4S1;C Sorting nexin-1 Snx1                                  | 25.0939 | 26.2406 | 10 | 58.878 | 55.689 | 34   | 0.364299 | 1 |
| Q3TIC8;Q9CZ13;Q3 Cytochrome b-c1 complex subunit Uqcrc1               | 31.4358 | 31.434  | 23 | 52.752 | 323.31 | 924  | 0.995671 | 1 |
| Q3TIU7;Q91VD9;Q NADH-ubiquinone oxidoreductase Ndufs1                 | 31.356  | 31.2092 | 40 | 79.662 | 323.31 | 1034 | 0.371676 | 1 |
| Q8C292;Q8C1V4;Q Lysine--tRNA ligase Kars                              | 24.7026 | 24.8408 | 9  | 67.883 | 23.937 | 15   | 0.594653 | 1 |
| Q3TJ01;Q99LF4 tRNA-splicing ligase RtcB homolog RtcB                  | 26.6674 | 26.7228 | 15 | 55.253 | 85.7   | 37   | 0.807847 | 1 |
| Q3U3C4;Q3TRJ7;Q Endophilin-A2 Sh3gl1                                  | 24.7186 | 23.6775 | 13 | 41.532 | 31.349 | 15   | 0.174542 | 1 |
| Q6GQU1;Q3TJE3;Q Hexokinase;Hexokinase-1 Hk1                           | 32.4821 | 32.4122 | 62 | 102.3  | 323.31 | 1538 | 0.822589 | 1 |
| Q3TKM9;Q9CPW4; Actin-related protein 2/3 complex Arpc5                | 27.5788 | 27.0536 | 4  | 16.228 | 44.33  | 66   | 0.264194 | 1 |
| Q5SUR3;Q3TL58;Q S-phase kinase-associated protein Skp1a;Skp1          | 27.0331 | 26.9376 | 7  | 18.672 | 41.947 | 57   | 0.88158  | 1 |
| Q3TL79;Q8BK64 Activator of 90 kDa heat shock pro Ahsa1                | 25.472  | 24.8109 | 8  | 38.145 | 52.259 | 35   | 0.683873 | 1 |
| Q3TMH2 Secernin-3 Scrn3   | 25.0421 | 25.0135 | 8  | 47.661 | 26.456 | 18   | 0.961971 | 1 |
| Q3UDF8;Q3UIJ2;Q Eukaryotic translation initiation fac Eif2s3x;Eif2s3y | 25.1076 | 25.4689 | 5  | 48.107 | 16.37  | 13   | 0.498117 | 1 |
| Q542H2;Q3TN31;Q Proteasome subunit alpha type;Prc Psmc7               | 28.1617 | 29.0496 | 14 | 27.855 | 149.26 | 173  | 0.233476 | 1 |
| Q3TN35;Q8BJU0 Small glutamine-rich tetratricopept Sgta                | 26.6706 | 26.5739 | 10 | 34.194 | 39.189 | 46   | 0.768234 | 1 |
| Q3TNH0;Q3UR33;C Lamina-associated polypeptide 2, i Tmpo               | 24.7778 | 24.9266 | 5  | 46.049 | 13.668 | 5    | 0.868717 | 1 |
| Q3TPD9;Q3U2X5;C Amine oxidase [flavin-containing] A Maoa              | 26.2939 | 26.4149 | 9  | 58.786 | 56.569 | 42   | 0.521471 | 1 |
| Q3TPZ5;Q99KJ8 Dynactin subunit 2 Dctn2                                | 28.8779 | 28.9947 | 20 | 44.116 | 207.7  | 170  | 0.316913 | 1 |
| Q3TQY2;Q8CBY8 Dynactin subunit 4 Dctn4                                | 24.5774 | 24.9833 | 5  | 52.241 | 25.465 | 10   | 0.410378 | 1 |
| Q3TR90;Q9JMG7 Hepatoma-derived growth factor-r Hdgfrp3                | 25.5848 | 25.2633 | 6  | 19.822 | 12.965 | 36   | 0.831007 | 1 |
| Q3TRJ1;Q9EQH3;Q Vacuolar protein sorting-associate Vps35              | 29.3336 | 29.343  | 33 | 91.712 | 323.31 | 333  | 0.974008 | 1 |
| Q3UZI3;Q3TW51;Q Staphylococcal nuclease domain-cc Snd1                | 24.7462 | 24.973  | 10 | 102.09 | 30.295 | 24   | 0.564797 | 1 |
| Q3TS44;Q9R1P4;A Proteasome subunit alpha type;Prc Psmc1               | 28.24   | 28.0121 | 21 | 29.546 | 98.373 | 136  | 0.696861 | 1 |
| Q3TT94;Q6P1F6;Q Serine/threonine-protein phosphat Ppp2r2a             | 29.7621 | 29.7721 | 20 | 51.691 | 323.31 | 275  | 0.936122 | 1 |
| Q3UPK6;Q3TUX3;C Proteasome subunit alpha type;Prc Psmc5;Gm8394        | 27.5247 | 28.1709 | 9  | 26.411 | 65.496 | 84   | 0.123804 | 1 |
| Q8CAJ7;Q3U3I6;Q Aspartyl aminopeptidase Dnpep                         | 27.2644 | 27.385  | 13 | 52.206 | 59.521 | 69   | 0.613737 | 1 |

|   |              |         |         |    |        |        |     |          |   |
|---|--------------|---------|---------|----|--------|--------|-----|----------|---|
| Q3UYP2;Q3TVT6;Q Prenylcysteine oxidase              | Pcyox1       | 24.0069 | 25.0001 | 7  | 56.466 | 20.315 | 14  | 0.442937 | 1 |
| Q3ULH5;Q3TVV6;C Heterogeneous nuclear ribonucleo    | Hnrnpu;Gm280 | 29.0484 | 29.1302 | 26 | 87.845 | 323.31 | 239 | 0.734182 | 1 |
| Q3TW28;Q3U4M7; Tripeptidyl-peptidase 2              | Tpp2         | 27.4262 | 27.3719 | 25 | 138.46 | 90.205 | 56  | 0.781141 | 1 |
| Q3TW74;Q922D8;(C-1-tetrahydrofolate synthase, cyto  | Mthfd1       | 26.1098 | 25.9851 | 16 | 101.17 | 87.637 | 46  | 0.807223 | 1 |
| Q3TWG5;Q8R1Q8 Cytoplasmic dynein 1 light interme    | Dync1li1     | 28.4053 | 28.5711 | 19 | 56.614 | 173.44 | 154 | 0.381032 | 1 |
| Q3ULF7;Q3TWJ4;Q Actin-related protein 3             | Actr3        | 29.2909 | 29.4708 | 24 | 47.357 | 323.31 | 349 | 0.447921 | 1 |
| Q78P93;Q3U646;Q Acid ceramidase;Acid ceramidase s   | Asah1        | 24.4249 | 25.1881 | 7  | 44.669 | 15.668 | 13  | 0.07381  | 1 |
| Q5RKP0;Q499X4;Q Synaptic vesicle membrane proteir   | Vat1         | 27.497  | 27.5901 | 14 | 42.521 | 168.11 | 112 | 0.840538 | 1 |
| Q8R3R1;Q8JZ2;Q Cold shock domain-containing prot    | Csde1        | 25.6907 | 25.4086 | 6  | 76.86  | 112.02 | 17  | 0.263699 | 1 |
| Q99JZ4;Q3TXJ4;P3 GTP-binding protein SAR1a          | Sar1a        | 26.8432 | 25.8444 | 7  | 22.399 | 28.138 | 45  | 0.373733 | 1 |
| Q3TXS7;Q8BU34;Q 26S proteasome non-ATPase reguli    | Psmc1        | 25.8569 | 25.9583 | 8  | 105.73 | 49.127 | 36  | 0.589187 | 1 |
| Q3UXP2;Q3TXT7;Q RuvB-like 2                         | Ruvbl2       | 24.817  | 24.251  | 5  | 51.143 | 15.405 | 12  | 0.432288 | 1 |
| Q3TY78;Q66L47;Q Guanine nucleotide-binding proteir  | Gnal         | 28.4311 | 28.3052 | 20 | 44.281 | 323.31 | 178 | 0.63575  | 1 |
| Q3TYJ0;Q9WUD1 STIP1 homology and U box-contain      | Stub1        | 24.0941 | 24.7589 | 7  | 34.911 | 18.026 | 12  | 0.360462 | 1 |
| Q8C3Z4;Q3TYK4;Q cAMP-dependent protein kinase ty    | Prkar1a      | 25.9896 | 26.084  | 11 | 45.526 | 81.761 | 44  | 0.856296 | 1 |
| Q6DFY2;Q3TYL3 Opioid-binding protein/cell adhesic   | Opcml        | 28.2679 | 28.6623 | 9  | 37.156 | 116.06 | 94  | 0.221839 | 1 |
| Q3TYX3 SET and MYND domain-containing               | Smyd5        | 24.1036 | 24.8041 | 7  | 47.095 | 23.875 | 10  | 0.553043 | 1 |
| Q3U0T9;Q6PHN9 Ras-related protein Rab-35            | Rab35        | 26.5915 | 26.2941 | 7  | 23.025 | 31.633 | 30  | 0.757824 | 1 |
| Q3U0V1 Far upstream element-binding prot            | Khsrp        | 27.0861 | 27.4036 | 14 | 76.775 | 86.862 | 70  | 0.065605 | 1 |
| Q5PPR2;Q3U1G4;C Exocyst complex component 1         | Exoc1        | 24.1101 | 24.4905 | 7  | 100.19 | 20.302 | 9   | 0.505048 | 1 |
| Q3U1J4;Q91YC8;Q DNA damage-binding protein 1        | Ddb1         | 27.5704 | 27.5925 | 22 | 126.85 | 111.94 | 75  | 0.852308 | 1 |
| Q3U1N2 Sterol regulatory element-binding            | Srebf2       | 24.8058 | 24.8673 | 2  | 122.91 | 3.6683 | 7   | 0.954529 | 1 |
| Q3U5I5;Q3U1Q4;Q Growth factor receptor-bound pro    | Grb2         | 26.9147 | 27.8951 | 15 | 25.238 | 53.581 | 84  | 0.089516 | 1 |
| Q3U2G2;Q571M2;(Heat shock 70 kDa protein 4          | Hspa4        | 30.9121 | 30.7567 | 53 | 94.208 | 323.31 | 570 | 0.50258  | 1 |
| Q3U379;Q9QZF2;Q Glypican-1;Secreted glypican-1      | Gpc1         | 26.1382 | 26.0943 | 9  | 61.359 | 51.534 | 27  | 0.752228 | 1 |
| Q3U484;Q62095 ATP-dependent RNA helicase DDX3       | Ddx3y        | 26.8487 | 26.6181 | 14 | 73.384 | 97.427 | 49  | 0.549527 | 1 |
| Q3U489;Q9WUR9; Adenylate kinase 4, mitochondrial    | Ak4          | 25.9723 | 25.0725 | 10 | 25.061 | 34.273 | 73  | 0.56732  | 1 |
| Q3U4H0;Q61166 Microtubule-associated protein RP     | Mapre1       | 24.6613 | 26.453  | 10 | 30.016 | 61.69  | 34  | 0.293039 | 1 |
| Q8R0M2;Q3U548;(UTP--glucose-1-phosphate uridylylt   | Ugp2         | 27.4196 | 27.5754 | 12 | 55.497 | 110.09 | 84  | 0.57453  | 1 |
| Q5XJF6;Q3U561;P5 Ribosomal protein;60S ribosomal p  | Rpl10a       | 25.8012 | 26.119  | 8  | 24.831 | 20.074 | 31  | 0.120765 | 1 |
| Q9D066;Q924B0;Q Inositol monophosphatase 1          | Impa1        | 28.5393 | 28.7516 | 14 | 30.395 | 112.13 | 219 | 0.541155 | 1 |
| Q3U630;Q9D0R2;C Threonine--tRNA ligase, cytoplasm   | Tars         | 24.2149 | 23.982  | 7  | 83.396 | 21.27  | 14  | 0.881087 | 1 |
| Q3UCC6;Q3U6C7;C Succinyl-CoA ligase subunit beta;Sc | Sucla2       | 30.3883 | 30.1785 | 27 | 50.796 | 323.31 | 543 | 0.138051 | 1 |

|   |                 |         |         |    |        |        |      |          |   |
|---|-----------------|---------|---------|----|--------|--------|------|----------|---|
| Q3U6G1;Q923D2;E Flavin reductase (NADPH)              | Blvrb           | 26.4153 | 25.4829 | 6  | 22.197 | 70.237 | 42   | 0.377965 | 1 |
| Q3U6P5;Q9Z204 Heterogeneous nuclear ribonucleo        | Hnrnpc          | 27.6603 | 27.4035 | 13 | 36.905 | 57.809 | 100  | 0.680239 | 1 |
| Q3U6S1;Q5FWJ3;P Vimentin                              | Vim             | 27.8596 | 27.8303 | 27 | 53.673 | 139.21 | 77   | 0.885795 | 1 |
| Q3U7Z6;Q9DBJ1;Q Phosphoglycerate mutase 1             | Pgam1           | 33.3546 | 33.5521 | 21 | 28.832 | 323.31 | 1516 | 0.476335 | 1 |
| Q3U8R9;Q3UNH3;(Thioredoxin-like protein 1             | Txnl1           | 25.9099 | 26.2504 | 7  | 32.179 | 34.604 | 45   | 0.38404  | 1 |
| Q8VHM5;Q3UMT8;Q3U8W9;F7B5B5;Q99KG1;Q3UZI0             | Hnrnpr          | 26.4939 | 26.7213 | 14 | 70.887 | 43.201 | 59   | 0.473738 | 1 |
| Q3UA17;Q791V5;A Mitochondrial carrier homolog 2       | Mtch2           | 28.2915 | 28.416  | 13 | 33.489 | 80.249 | 214  | 0.714343 | 1 |
| Q91V28;Q3UAG2;C 6-phosphogluconate dehydrogena        | Pgd             | 26.372  | 26.3795 | 11 | 53.261 | 71.772 | 37   | 0.972065 | 1 |
| Q3UBP6;Q3UBQ4   | Actb            | 31.6515 | 31.426  | 31 | 41.768 | 208.7  | 391  | 0.642257 | 1 |
| Q3UC72;Q3UPA3;C Rab GDP dissociation inhibitor beta   | Gdi2            | 31.2949 | 31.1896 | 36 | 57.439 | 323.31 | 759  | 0.099899 | 1 |
| Q4FJR7;Q3UC76;Q Eukaryotic translation initiation fac | Eif1a;Eif1ax;Gm | 24.1887 | 24.1203 | 3  | 16.502 | 6.2543 | 5    | 0.94647  | 1 |
| Q8C2Q8;Q9D9D7;C ATP synthase subunit gamma;ATP        | Atp5c1          | 31.5    | 31.4475 | 15 | 30.255 | 308.02 | 716  | 0.808955 | 1 |
| Q3UD67;Q8BGQ7;(Alanine--tRNA ligase, cytoplasmic      | Aars            | 28.657  | 28.3341 | 21 | 106.88 | 323.31 | 91   | 0.337122 | 1 |
| Q3UDQ7;Q8JZQ2;C AFG3-like protein 2                   | Afg3l2          | 25.7263 | 25.607  | 12 | 88.748 | 62.943 | 30   | 0.821673 | 1 |
| Q9DC36;Q8CDE0;C Flotillin-2                           | Flot2           | 25.6784 | 25.8231 | 8  | 47.008 | 34.207 | 36   | 0.242501 | 1 |
| Q3UEW2;Q9WV69 Dematin                                 | Dmtn            | 27.9735 | 27.7008 | 12 | 43.069 | 180.59 | 100  | 0.164432 | 1 |
| Q3UF95;Q9Z1R2;G Large proline-rich protein BAG6       | Bag6            | 25.7228 | 25.0967 | 12 | 119.14 | 49.444 | 33   | 0.485594 | 1 |
| Q8BNH4;Q3UHC4;(Kinesin-like protein;Kinesin-like prc  | Kif3b           | 23.2228 | 23.7818 | 3  | 85.259 | 9.7464 | 5    | 0.284051 | 1 |
| Q3V331;Q3UG14;P Guanine nucleotide-binding protei     | Gnb5            | 28.0347 | 28.032  | 11 | 38.765 | 235.6  | 118  | 0.994649 | 1 |
| Q3UGC8;Q91ZA3 Propionyl-CoA carboxylase alpha cl      | Pcca            | 27.4806 | 27.4526 | 23 | 79.921 | 135.63 | 92   | 0.887224 | 1 |
| Q3UGM5;Q6PEB6;I MOB-like protein phocein              | Mob4            | 25.0681 | 25.5951 | 8  | 26.002 | 28.29  | 35   | 0.623731 | 1 |
| Q3UGN1;Q61016;C Guanine nucleotide-binding protei     | Gng7            | 28.2324 | 28.4382 | 5  | 7.4796 | 60.484 | 103  | 0.804191 | 1 |
| Q3UGR5 Haloacid dehalogenase-like hydroly             | Hdhd2           | 27.4331 | 27.2806 | 9  | 28.73  | 73.812 | 124  | 0.878515 | 1 |
| Q3UH19;A0A0A0M Microtubule-associated protein;Mi      | Mapt            | 31.488  | 31.4895 | 21 | 44.951 | 323.31 | 598  | 0.995026 | 1 |
| Q3UH39;Q61330;C Contactin-2                           | Cntn2           | 26.3027 | 25.8686 | 11 | 113.24 | 45     | 30   | 0.430357 | 1 |
| Q3UH59;Q61879;C Myosin-10                             | Myh10           | 30.7155 | 30.6297 | 95 | 233.45 | 323.31 | 659  | 0.816843 | 1 |
| Q3UHD9 Arf-GAP with GTPase, ANK repeat                | Agap2           | 25.1597 | 25.0928 | 14 | 124.51 | 59.305 | 26   | 0.957378 | 1 |
| Q3UHG5;Q6PDN6;(Tetraspanin;Tetraspanin-7              | Tspan7          | 25.1648 | 25.6024 | 3  | 25.412 | 22.938 | 22   | 0.626107 | 1 |
| Q3UHJ0 AP2-associated protein kinase 1                | Aak1            | 28.6346 | 28.7148 | 28 | 103.35 | 323.31 | 178  | 0.558971 | 1 |
| Q3UHK5;Q6ZQ49;C Sodium/potassium-transporting AT      | Atp1a2          | 31.0447 | 31.0024 | 58 | 112.22 | 323.31 | 541  | 0.957565 | 1 |
| Q3UHL1;A0A0A6YV CaM kinase-like vesicle-associated    | Camkv           | 30.3061 | 30.3166 | 25 | 54.819 | 323.31 | 683  | 0.880846 | 1 |
| Q3UIH7;Q9JHK4;Q Geranylgeranyl transferase type-2     | Rabggta         | 24.0438 | 24.4396 | 8  | 65.058 | 18.086 | 12   | 0.733911 | 1 |
| Q3UJ95;Q80XI4 Phosphatidylinositol 5-phosphate        | Pip4k2b         | 26.8196 | 26.9678 | 11 | 47.318 | 127.01 | 90   | 0.438394 | 1 |

|  |                                     |         |         |    |        |        |     |          |   |
|--|-------------------------------------|---------|---------|----|--------|--------|-----|----------|---|
| Q8BSZ8;Q543H0;Q Spermidine synthase                  | Srm                                 | 26.398  | 26.7576 | 10 | 34.019 | 35.28  | 88  | 0.165077 | 1 |
| Q3ULN6;Q8R127;J Saccharopine dehydrogenase-like c    | Sccpdh                              | 25.0644 | 23.8588 | 6  | 35.307 | 47.562 | 17  | 0.401922 | 1 |
| Q543K5;Q3ULZ3;Q Phosphoserine aminotransferase       | Psat1                               | 28.4    | 28.6037 | 17 | 40.472 | 121.53 | 262 | 0.451118 | 1 |
| Q3UM45   | Protein phosphatase 1 regulatory s  | 29.6864 | 29.6456 | 29 | 41.291 | 323.31 | 307 | 0.797535 | 1 |
| Q3UMG4   | Alpha-internexin                    | 27.9565 | 28.283  | 23 | 37.277 | 61.372 | 125 | 0.239255 | 1 |
| Q3UMR5   | Calcium uniporter protein, mitochc  | 24.7071 | 26.1385 | 6  | 39.681 | 27.479 | 39  | 0.156964 | 1 |
| Q3URS8;Q3UNV7;C Myeloid leukemia factor 2            | Mlf2                                | 26.4774 | 27.0791 | 6  | 28.154 | 50.1   | 39  | 0.445645 | 1 |
| Q3UPL0;S4R2A9  | Protein transport protein Sec31A    | 26.634  | 26.5214 | 15 | 133.57 | 142.02 | 34  | 0.768808 | 1 |
| Q3URF1;Q3TY32;Q Synaptopodin                         | Synpo                               | 29.0165 | 28.8362 | 28 | 74.016 | 323.31 | 276 | 0.443058 | 1 |
| Q3URG1;Q7TQD2  | Tubulin polymerization-promoting    | 32.1872 | 32.0007 | 16 | 23.574 | 323.31 | 340 | 0.70761  | 1 |
| Q5M8R9;Q4FJN9;C Farnesyl pyrophosphate synthase      | Fdps                                | 24.9098 | 25.59   | 5  | 40.565 | 46.701 | 25  | 0.571692 | 1 |
| Q3US73;Q9WVK8  | Cholesterol 24-hydroxylase          | 24.068  | 24.4592 | 5  | 56.813 | 11.231 | 9   | 0.507276 | 1 |
| Q3USC7;Q8VE33  | Ganglioside-induced differentiator  | 25.8727 | 25.8809 | 7  | 41.92  | 42.292 | 50  | 0.990384 | 1 |
| Q3USR5;Q80UW2  | F-box only protein 2                | 26.1387 | 26.3175 | 9  | 33.676 | 50.444 | 47  | 0.493363 | 1 |
| Q3UUG6;A0A0J9YL                                      | TBC1 domain family member 24        | 24.5015 | 24.2942 | 8  | 63.235 | 34.016 | 13  | 0.869    | 1 |
| Q3UVL4   | Vacuolar protein sorting-associated | 25.043  | 24.7605 | 7  | 86.186 | 27.652 | 21  | 0.687185 | 1 |
| Q3UVN5;Q9CZ44;C NSFL1 cofactor p47                   | Nsfl1c                              | 27.9542 | 28.0166 | 18 | 40.953 | 257.74 | 103 | 0.846038 | 1 |
| Q9R0X6;Q9JJ41;Q8 Transporter;Sodium-dependent do     | Slc6a3                              | 27.763  | 27.6268 | 10 | 68.774 | 50.965 | 52  | 0.840632 | 1 |
| Q3UW32;Q9EST5  | Acidic leucine-rich nuclear phospho | 24.6825 | 24.691  | 5  | 28.285 | 11.546 | 12  | 0.994391 | 1 |
| Q3UW40;Q8BP67;C 60S ribosomal protein L24            | Rpl24                               | 25.7323 | 26.2808 | 6  | 18.252 | 19.228 | 37  | 0.296743 | 1 |
| Q505N7;Q3UW66;C Sulfurtransferase;3-mercaptopyruv    | Mpst                                | 24.5029 | 25.5348 | 10 | 33.039 | 49.059 | 33  | 0.417829 | 1 |
| Q3UWU7;Q5PR73  | GTP-binding protein Di-Ras2         | 27.0912 | 27.6431 | 9  | 22.498 | 41.229 | 97  | 0.438229 | 1 |
| Q5BKQ9;Q3UWW9  | 26S proteasome non-ATPase reguli    | 27.281  | 27.6895 | 15 | 47.436 | 64.958 | 72  | 0.55854  | 1 |
| Q3UXI9;Q9CXY6  | Interleukin enhancer-binding facto  | 24.384  | 25.9888 | 8  | 43.01  | 30.501 | 22  | 0.17698  | 1 |
| Q3UY21;Q80YU5;Q Myelin-oligodendrocyte glycoprote    | Mog                                 | 30.8474 | 30.8179 | 14 | 28.374 | 221.21 | 705 | 0.964643 | 1 |
| Q3UYC0   | Protein phosphatase 1H              | 24.6768 | 24.5937 | 7  | 56.379 | 32.453 | 16  | 0.881611 | 1 |
| Q3UZJ4;Q61151  | Serine/threonine-protein phosphat   | 25.5796 | 25.7114 | 14 | 50.83  | 82.323 | 38  | 0.912869 | 1 |
| Q3V028;Z4YJJ5;Q8 Ubiquitin carboxyl-terminal hydroly | Cyld                                | 25.6009 | 25.8107 | 13 | 106.62 | 45.422 | 25  | 0.617231 | 1 |
| Q8BTS0;Q5U222;Q Probable ATP-dependent RNA helic     | Ddx5                                | 28.1796 | 28.2067 | 22 | 69.265 | 71.735 | 128 | 0.923549 | 1 |
| Q921Z9;Q3V100;Q Mannose-6-phosphate isomerase        | Mpi                                 | 24.0627 | 24.573  | 5  | 46.513 | 17.636 | 13  | 0.556629 | 1 |
| Q3V117;Q91V92;Q ATP-citrate synthase                 | Acly                                | 30.2184 | 30.1664 | 46 | 120.79 | 323.31 | 491 | 0.763144 | 1 |
| Q3V156;Q91XL9;Q Oxysterol-binding protein;Oxysterc   | Osbpl1a                             | 25.9788 | 26.138  | 8  | 63.433 | 77.178 | 34  | 0.796442 | 1 |
| Q3V1R3;Q8K406  | Leucine-rich repeat LGI family men  | 24.2669 | 24.1716 | 4  | 61.877 | 13.741 | 15  | 0.8619   | 1 |

|                  |  |         |         |    |        |        |     |          |   |
|------------------|--|---------|---------|----|--------|--------|-----|----------|---|
| Q3V386;Q8VHI6    | Wiskott-Aldrich syndrome protein · Wasf3         | 25.5052 | 25.6254 | 7  | 55.217 | 24.744 | 23  | 0.482028 | 1 |
| Q3V3R1           | Monofunctional C1-tetrahydrofolate Mthfd1l       | 27.0088 | 26.577  | 11 | 105.73 | 100.09 | 19  | 0.375088 | 1 |
| Q3V3U0;Q8CI94;Q  | Alpha-1,4 glucan phosphorylase;Gl Pygb           | 30.9804 | 31.0093 | 58 | 96.715 | 323.31 | 924 | 0.915834 | 1 |
| Q5PPQ7;Q499X7;Q  | Coronin;Coronin-1C Coro1c                        | 28.7809 | 28.787  | 19 | 53.092 | 275.35 | 202 | 0.987457 | 1 |
| Q4FJK0;Q9CQ62    | 2,4-dienoyl-CoA reductase, mitoch Decr1          | 25.5685 | 25.3743 | 6  | 36.213 | 41.484 | 35  | 0.142492 | 1 |
| Q4FJL2;Q8K0T0    | Reticulon;Reticulon-1 Rtn1                       | 30.8227 | 30.8327 | 15 | 83.571 | 232.2  | 462 | 0.983329 | 1 |
| Q4FJR4;Q922H2;Q  | [Pyruvate dehydrogenase (acetyl-ti Pdk3          | 26.7701 | 25.7497 | 8  | 47.922 | 76.964 | 26  | 0.324536 | 1 |
| Q4FJT0;Q5BL18;Q6 | Matrin-3 Matr3                                   | 29.8413 | 29.7367 | 33 | 94.643 | 323.31 | 291 | 0.539698 | 1 |
| Q4FJU3;Q9DCT8    | Cysteine-rich protein 2 Crip2                    | 27.2285 | 26.1258 | 6  | 22.727 | 60.269 | 66  | 0.66154  | 1 |
| Q4FK36;Q9R0P5    | Destrin Dstn                                     | 28.9131 | 29.4374 | 19 | 18.521 | 198.61 | 309 | 0.368505 | 1 |
| Q4FK49;Q9D819;Q  | Inorganic pyrophosphatase Ppa1                   | 27.9384 | 28.1563 | 14 | 32.667 | 183.4  | 142 | 0.819361 | 1 |
| Q9DCZ0;Q9D0J2;Q  | ATP synthase subunit delta, mitoch Atp5d         | 27.8246 | 26.3687 | 2  | 17.558 | 40.769 | 69  | 0.524576 | 1 |
| Q4FZK2;Q9D8N0;Q  | Elongation factor 1-gamma Eef1g                  | 28.5369 | 28.5152 | 18 | 50.06  | 218.88 | 154 | 0.893087 | 1 |
| Q4KL76;Q64433;Q  | 10 kDa heat shock protein, mitoch Hspe1;Cpn10-rs | 28.418  | 28.9086 | 6  | 10.963 | 28.575 | 136 | 0.39957  | 1 |
| Q4KMM3;E9Q0A7    | Oxidation resistance protein 1 Oxr1              | 29.2258 | 29.1641 | 35 | 95.911 | 323.31 | 215 | 0.819419 | 1 |
| Q4QRK2;Q91W09;Q  | Ferrochelatase;Ferrochelatase, mit Fech          | 24.9926 | 25.4851 | 12 | 44.755 | 31.928 | 27  | 0.506505 | 1 |
| Q4V9W8;Q91ZR1;C  | Ras-related protein Rab-4B Rab4b                 | 24.1782 | 24.2353 | 6  | 23.629 | 14.275 | 11  | 0.914812 | 1 |
| Q4VA32;Q9CQR4    | Acyl-coenzyme A thioesterase 13;A Acot13         | 28.1861 | 28.7993 | 4  | 15.183 | 151.03 | 96  | 0.572522 | 1 |
| Q4VA93;P20444    | Protein kinase C;Protein kinase C a Prkca        | 24.4153 | 25.6366 | 21 | 76.823 | 35.064 | 24  | 0.340948 | 1 |
| Q4VAE6;Q9QUI0;A  | Transforming protein RhoA;Rho-re Rhoa;Rhoc       | 30.3968 | 30.4233 | 13 | 21.782 | 291.15 | 362 | 0.958153 | 1 |
| Q4VAE8;Q9CQC7;C  | NADH dehydrogenase [ubiquinone Ndufb4            | 29.3312 | 29.6858 | 8  | 15.315 | 142.58 | 233 | 0.474605 | 1 |
| Q4VBX4;Q9D2M8;U  | Ubiquitin-conjugating enzyme E2 v Ube2v2         | 29.4884 | 29.4978 | 8  | 16.367 | 36.374 | 205 | 0.986469 | 1 |
| Q6ZWZ7;Q6PHZ1;C  | 60S ribosomal protein L17 Rpl17                  | 25.758  | 24.8536 | 6  | 21.397 | 28.448 | 33  | 0.639836 | 1 |
| Q50HX4;Q50HX2;C  | Ras-related protein Rab-14 Rab14                 | 29.4487 | 29.3612 | 16 | 23.897 | 145.71 | 263 | 0.877704 | 1 |
| Q52L50;Q99JI6    | Ras-related protein Rap-1b Rap1b                 | 29.0986 | 29.2804 | 13 | 20.825 | 146.92 | 204 | 0.794338 | 1 |
| Q540D7;Q9JII6;Q8 | Alcohol dehydrogenase [NADP(+)] Akr1a1           | 29.5011 | 29.7262 | 18 | 36.586 | 294.02 | 287 | 0.049743 | 1 |
| Q542V3;Q8VE97;Q  | Serine/arginine-rich splicing factor Srsf4       | 24.2842 | 23.9589 | 3  | 56.248 | 8.3624 | 13  | 0.668729 | 1 |
| Q543N3;Q61792;A  | LIM and SH3 domain protein 1 Lasp1               | 27.2223 | 27.4741 | 12 | 29.994 | 57.46  | 77  | 0.227799 | 1 |
| Q543N5;Q9QYB1    | Chloride intracellular channel prote Clic4       | 24.4972 | 24.9771 | 8  | 28.729 | 21.547 | 25  | 0.692689 | 1 |
| Q543P7;Q9WUL7    | ADP-ribosylation factor-like proteir Arl3        | 25.1551 | 24.7103 | 7  | 20.486 | 53.561 | 34  | 0.717015 | 1 |
| Q543Y7;Q61644;Q  | Protein kinase C and casein kinase Pacsin1       | 31.6429 | 31.4271 | 32 | 50.575 | 323.31 | 642 | 0.332305 | 1 |
| Q544F6;Q9CQI6    | Coactosin-like protein Cotl1                     | 28.2039 | 27.779  | 12 | 15.944 | 131.72 | 116 | 0.694672 | 1 |
| Q544I1;Q9QYF9;Q  | Protein NDRG3 Ndr3                               | 26.6279 | 26.7662 | 8  | 41.555 | 95.687 | 43  | 0.767132 | 1 |

|   |               |         |         |    |        |        |     |          |   |
|---|---------------|---------|---------|----|--------|--------|-----|----------|---|
| Q544M1;Q8K356;C Lymphocyte antigen 6H               | Ly6h          | 26.0448 | 26.6948 | 5  | 14.669 | 53.916 | 37  | 0.416026 | 1 |
| Q8BUM1;Q544R5;(TAR DNA-binding protein 43           | Tardbp        | 26.4798 | 26.3545 | 8  | 33.634 | 128.6  | 48  | 0.688569 | 1 |
| Q545G0;Q9R1P1 Proteasome subunit beta type;Pro      | Psm3          | 24.674  | 25.1577 | 8  | 22.965 | 27.892 | 48  | 0.675247 | 1 |
| Q548F2;Q69ZN0;Q Guanine deaminase                   | Gda           | 30.6058 | 30.6538 | 31 | 51.012 | 323.31 | 596 | 0.8377   | 1 |
| Q54A87;Q9WTT4;EV-type proton ATPase subunit G 2     | Atp6v1g2      | 29.9046 | 29.1303 | 9  | 13.651 | 323.31 | 140 | 0.29862  | 1 |
| Q8BMQ1;Q54AE3;(Guanine nucleotide-binding protei    | Gnb3          | 25.4554 | 25.787  | 4  | 32.401 | 8.6403 | 38  | 0.858127 | 1 |
| Q561M1 Acp1 protein                                 | Acp1          | 25.613  | 24.6611 | 6  | 17.922 | 42.099 | 69  | 0.602742 | 1 |
| Q564E8;Q9D8E6;Q 60S ribosomal protein L4            | Rpl4          | 27.2194 | 27.0963 | 14 | 47.153 | 79.365 | 68  | 0.588053 | 1 |
| Q564F2;Q64520;E9 Guanylate kinase                   | Guk1          | 24.2944 | 24.9084 | 7  | 21.918 | 68.548 | 38  | 0.674409 | 1 |
| Q570Z8;Q7M6Y3;C Phosphatidylinositol-binding clathr | Picalm        | 25.3986 | 24.7959 | 11 | 72.926 | 28.011 | 20  | 0.596356 | 1 |
| Q571A2;Q9D4H8;E Cullin-2                            | Cul2          | 24.2228 | 24.7811 | 14 | 87.181 | 41.153 | 20  | 0.401808 | 1 |
| Q58E70;D3Z2H9;Q Tropomyosin alpha-3 chain           | Tpm3;Tpm3-rs7 | 30.5161 | 30.4231 | 28 | 29.02  | 195.1  | 355 | 0.891955 | 1 |
| Q59J78;Q3TLI6 Mimitin, mitochondrial                | Ndufaf2       | 24.483  | 24.9954 | 7  | 19.628 | 18.341 | 21  | 0.321196 | 1 |
| Q5DTY9 BTB/POZ domain-containing protei             | Kctd16        | 24.7539 | 26.2767 | 8  | 48.972 | 28.873 | 21  | 0.406893 | 1 |
| Q5EBJ4 Ermin  | Ermn          | 24.4853 | 25.465  | 6  | 32.148 | 20.317 | 17  | 0.471105 | 1 |
| Q5EBP9;Q62318;Q Transcription intermediary factor 1 | Trim28        | 27.3202 | 29.3299 | 10 | 88.846 | 68.398 | 183 | 0.334649 | 1 |
| Q5EBQ0;Q3TX38;Q Voltage-dependent anion-selective   | Vdac3         | 29.5747 | 29.5904 | 13 | 30.884 | 194.7  | 320 | 0.94821  | 1 |
| Q5F258;Q68FF6 ARF GTPase-activating protein GIT1    | Git1          | 27.4395 | 27.3097 | 22 | 84.194 | 141.81 | 83  | 0.853714 | 1 |
| Q5GQ64;Q9Z0F7 Gamma-synuclein                       | Sncg          | 23.8365 | 24.7531 | 3  | 13.159 | 16.062 | 15  | 0.198147 | 1 |
| Q5I0W0;Q9CQQ7;(ATP synthase F(0) complex subunit    | Atp5f1        | 30.5009 | 30.858  | 19 | 28.948 | 172.25 | 487 | 0.579728 | 1 |
| Q5J7N1;Q3U2W7;(GTPase KRas;GTPase KRas, N-termi     | Kras          | 24.5574 | 24.6968 | 10 | 21.482 | 16.097 | 18  | 0.919848 | 1 |
| Q5J8K6;Q5J8K8;Q6 ERC protein 2                      | Erc2          | 27.2381 | 26.9341 | 20 | 110.64 | 129.04 | 75  | 0.475394 | 1 |
| Q5M8N0;Q9CW19;CB1 cannabinoid receptor-interacti    | Cnrip1        | 28.831  | 28.8114 | 7  | 18.612 | 95.93  | 108 | 0.979233 | 1 |
| Q5M8R0;Q8K2C6 NAD-dependent protein deacylase       | Sirt5         | 23.6653 | 23.913  | 4  | 20.894 | 17.444 | 6   | 0.774383 | 1 |
| Q5M9P3;Q9CZX8;L 40S ribosomal protein S19           | Rps19         | 26.6422 | 27.6725 | 11 | 16.661 | 101.7  | 79  | 0.264408 | 1 |
| Q8VC72;Q5M9P5;(NADH dehydrogenase [ubiquinone       | Ndufs8        | 26.9805 | 26.957  | 8  | 24.011 | 67.271 | 135 | 0.988145 | 1 |
| Q5NCJ9;Q8R1I1 Cytochrome b-c1 complex subunit       | Uqcrl1        | 26.469  | 25.5499 | 3  | 7.4454 | 13.521 | 44  | 0.583154 | 1 |
| Q5ND51;Q64010;C Adapter molecule crk                | Crk           | 26.8015 | 27.019  | 12 | 33.814 | 65.767 | 78  | 0.375843 | 1 |
| V9GXJ0;Q5QNQ9;V Collagen alpha-1(XXVII) chain       | Col27a1       | 27.4712 | 23.1116 | 2  | 90.17  | 5.6948 | 80  | 0.092146 | 1 |
| Q5RJV4;Q7TNU0;Q Phosphoglucomutase-1                | Pgm2;Pgm1     | 29.0766 | 28.9695 | 29 | 61.383 | 323.31 | 212 | 0.340007 | 1 |
| Q5RKP4;Q8BMR3;(Dolichyl-diphosphooligosaccharide    | Rpn1          | 25.5444 | 25.2055 | 8  | 68.396 | 25.519 | 19  | 0.125285 | 1 |
| Q5U438;Q5SQB7;C Nucleophosmin                       | Npm1          | 27.4521 | 27.3299 | 10 | 32.588 | 48.768 | 68  | 0.795695 | 1 |
| Q5SQX6;F6QD74;Q Cytoplasmic FMR1-interacting prot   | Cyfp2         | 29.8088 | 29.6943 | 52 | 145.66 | 323.31 | 372 | 0.271016 | 1 |

|                 |  |         |         |     |        |        |      |          |   |
|-----------------|--|---------|---------|-----|--------|--------|------|----------|---|
| Q5SRA0;Q9R1V7   | Disintegrin and metalloproteinase Adam23                 | 26.2624 | 26.1707 | 7   | 93.042 | 28.997 | 36   | 0.786149 | 1 |
| Q5SRX1;Q5SXA5;Q | TOM1-like protein 2 Tom1l2                               | 27.7545 | 27.9595 | 13  | 55.662 | 207.72 | 108  | 0.368863 | 1 |
| Q5SUR0          | Phosphoribosylformylglycinamidin Pfas                    | 24.1214 | 23.6062 | 6   | 144.63 | 22.256 | 5    | 0.594421 | 1 |
| Q5SWR1;Q9DBG3;I | AP complex subunit beta;AP-2 com Ap2b1                   | 32.3094 | 32.3163 | 59  | 105.72 | 323.31 | 1469 | 0.871982 | 1 |
| Q8BK37;Q5SWZ0;C | Phosphoribosyl pyrophosphate syn Prpsap2                 | 26.4142 | 25.078  | 11  | 40.92  | 91.331 | 33   | 0.296867 | 1 |
| Q5SX53;Q9CR62;Q | Mitochondrial 2-oxoglutarate/malate Slc25a11             | 29.1191 | 29.3228 | 16  | 34.155 | 187.15 | 369  | 0.300999 | 1 |
| Q5SXR6;Q68FD5;Q | Clathrin heavy chain;Clathrin heavy chain Cltc;mKIAA0034 | 34.151  | 34.1699 | 116 | 191.98 | 323.31 | 4621 | 0.823239 | 1 |
| Q5SYD0;B2RWZ2   | Unconventional myosin-1d Myo1d                           | 25.4055 | 25.1863 | 10  | 116.08 | 28.491 | 26   | 0.289474 | 1 |
| Q5XK33;Q9CZB0;F | Succinate dehydrogenase cytochrome Sdhc                  | 24.8318 | 25.1631 | 3   | 18.381 | 10.207 | 20   | 0.842643 | 1 |
| Q60597;Z4YJV4   | 2-oxoglutarate dehydrogenase, mitochondrial Ogdh         | 30.9175 | 30.9182 | 55  | 116.45 | 323.31 | 723  | 0.995427 | 1 |
| Q921L6;Q8BNA5;Q | Src substrate cortactin Ctnn                             | 28.6818 | 28.7042 | 15  | 57.086 | 44.208 | 79   | 0.972314 | 1 |
| Q642K0;Q60605;Q | Myosin light polypeptide 6 Myl6                          | 27.3205 | 26.1751 | 7   | 16.961 | 33.718 | 79   | 0.467105 | 1 |
| Q60625          | Intercellular adhesion molecule 5 Icam5                  | 27.314  | 27.2569 | 12  | 96.944 | 97.465 | 61   | 0.716944 | 1 |
| Q60668;F6ZV59;G | Heterogeneous nuclear ribonucleoprotein Hnrnpd           | 28.8612 | 28.7603 | 12  | 38.354 | 117.93 | 213  | 0.480377 | 1 |
| Q60676;F7BX26   | Serine/threonine-protein phosphatase Ppp5c               | 27.0871 | 27.2051 | 11  | 56.876 | 63.912 | 84   | 0.670646 | 1 |
| Q60692          | Proteasome subunit beta type-6 Psmb6                     | 26.8041 | 27.8137 | 7   | 25.378 | 82.878 | 69   | 0.37322  | 1 |
| Q61177;Q60737;Q | Casein kinase II subunit alpha Csnk2a1                   | 27.9177 | 28.2772 | 16  | 45.179 | 152.73 | 147  | 0.618448 | 1 |
| Q60749          | KH domain-containing, RNA-binding protein Khdrbs1        | 25.6816 | 25.5368 | 5   | 48.37  | 25.358 | 25   | 0.475102 | 1 |
| Q60771          | Claudin-11 Cldn11  | 29.4952 | 29.4649 | 4   | 22.114 | 26.234 | 110  | 0.976441 | 1 |
| Q60829          | Protein phosphatase 1 regulatory subunit Ppp1r1b         | 30.1615 | 30.2625 | 12  | 21.78  | 323.31 | 309  | 0.859698 | 1 |
| Q60972          | Histone-binding protein RBBP4 Rbbp4                      | 24.4052 | 25.5021 | 6   | 47.655 | 17.421 | 42   | 0.151448 | 1 |
| Q60I30;Q9D892;Q | Inosine triphosphate pyrophosphatase Itpa                | 26.6803 | 26.93   | 11  | 21.897 | 91.846 | 84   | 0.847238 | 1 |
| Q61081          | Hsp90 co-chaperone Cdc37;Hsp90 Cdc37                     | 25.4568 | 24.8384 | 11  | 44.593 | 36.93  | 26   | 0.189879 | 1 |
| Q61171;Q5M9N9;I | Peroxiredoxin-2 Prdx2                                    | 31.7654 | 31.5818 | 13  | 21.778 | 242.71 | 637  | 0.521468 | 1 |
| Q61206;Q8BTA2   | Platelet-activating factor acetylhydrolase Pafah1b2      | 28.3071 | 28.1053 | 7   | 25.581 | 87.185 | 165  | 0.212603 | 1 |
| Q61411;Q9R0B8;P | GTPase HRas;GTPase HRas, N-terminal Hras                 | 28.2619 | 29.1057 | 12  | 21.298 | 323.31 | 177  | 0.134619 | 1 |
| Q61425          | Hydroxyacyl-coenzyme A dehydrogenase Hadh                | 25.8091 | 26.0096 | 10  | 34.463 | 42.011 | 45   | 0.464144 | 1 |
| Q61548;Q3UI39;E | Clathrin coat assembly protein AP1 Snap91                | 31.5419 | 31.4953 | 26  | 91.85  | 323.31 | 685  | 0.730563 | 1 |
| Q61553;A0A0G2JD | Fascin Fscn1   | 31.0051 | 31.0444 | 27  | 54.507 | 323.31 | 574  | 0.854922 | 1 |
| Q61699;E9Q0U7   | Heat shock protein 105 kDa Hsph1                         | 30.0975 | 30.0286 | 41  | 96.406 | 323.31 | 397  | 0.836061 | 1 |
| Q61753          | D-3-phosphoglycerate dehydrogenase Phgdh                 | 29.3451 | 29.3088 | 19  | 56.585 | 218.76 | 271  | 0.387808 | 1 |
| Q61768;E9QAK5   | Kinesin-1 heavy chain;Kinesin-like protein Kif5b         | 25.4306 | 25.85   | 25  | 109.55 | 99.24  | 32   | 0.749228 | 1 |
| Q61838          | Alpha-2-macroglobulin;Alpha-2-macroglobulin A2m          | 23.7703 | 24.5031 | 9   | 165.85 | 40.049 | 13   | 0.523635 | 1 |

|   |              |         |         |     |        |        |      |          |   |
|---|--------------|---------|---------|-----|--------|--------|------|----------|---|
| Q922E1;Q8C1W8;C NAD(P) transhydrogenase, mitochc    | Nnt          | 26.5713 | 26.7434 | 13  | 113.88 | 48.162 | 49   | 0.766343 | 1 |
| Q61990;B2M1R7;C Poly(rC)-binding protein 2          | Pcbp2        | 27.724  | 27.6348 | 13  | 38.221 | 89.089 | 113  | 0.790159 | 1 |
| Q62048;D3Z375 Astrocytic phosphoprotein PEA-15      | Pea15;Pea15a | 26.1601 | 24.677  | 6   | 15.054 | 75.216 | 69   | 0.445328 | 1 |
| Q8C671;Q62093 Serine/arginine-rich splicing factor  | Srsf2        | 26.6393 | 26.1778 | 7   | 29     | 21.211 | 27   | 0.312295 | 1 |
| Q62108 Disks large homolog 4                        | Dlg4         | 30.6189 | 30.4601 | 35  | 80.471 | 323.31 | 520  | 0.593282 | 1 |
| Q62261;A0A0A0M Spectrin beta chain, non-erythrocy   | Sptbn1       | 33.6277 | 33.5351 | 175 | 274.22 | 323.31 | 3902 | 0.345584 | 1 |
| Q62277;A4FUR8;F Synaptophysin                       | Syp          | 29.7665 | 30.0207 | 6   | 34.024 | 44.472 | 237  | 0.521867 | 1 |
| Q62417;E9Q6A3;E Sorbin and SH3 domain-containing    | Sorbs1       | 23.8549 | 24.003  | 6   | 143.07 | 15.016 | 9    | 0.793995 | 1 |
| Q62418 Drebrin-like protein                         | Dbnl         | 27.5817 | 27.3257 | 15  | 48.699 | 102.44 | 60   | 0.627133 | 1 |
| Q62425;A0A0N4SV Cytochrome c oxidase subunit NDL    | Ndufa4       | 30.1956 | 30.8238 | 7   | 9.3267 | 70.921 | 371  | 0.237449 | 1 |
| Q63810 Calcineurin subunit B type 1                 | Ppp3r1       | 27.5658 | 27.2564 | 10  | 19.3   | 248.6  | 69   | 0.769515 | 1 |
| Q63844;D3Z3G6;A Mitogen-activated protein kinase 3  | Mapk3        | 26.6714 | 27.1418 | 21  | 43.066 | 156.79 | 69   | 0.600486 | 1 |
| Q91YS7;Q63932;Q Dual specificity mitogen-activated  | Map2k2       | 25.183  | 25.27   | 14  | 44.302 | 16.532 | 18   | 0.907269 | 1 |
| Q64105;G3UXX3;Q Sepiapterin reductase               | Spr          | 27.8503 | 28.6663 | 13  | 27.883 | 103.86 | 171  | 0.082598 | 1 |
| Q641P0 Actin-related protein 3B                     | Actr3b       | 26.1496 | 26.2964 | 15  | 47.579 | 57.277 | 44   | 0.461524 | 1 |
| Q64332;Q8CE19 Synapsin-2                            | Syn2         | 32.0617 | 32.5688 | 30  | 63.372 | 323.31 | 1421 | 0.300902 | 1 |
| Q64521;A2AQR0 Glycerol-3-phosphate dehydrogenase    | Gpd2         | 29.4142 | 29.4018 | 37  | 80.953 | 323.31 | 387  | 0.931308 | 1 |
| Q64727 Vinculin                                     | Vcl          | 26.6437 | 26.5714 | 18  | 116.72 | 76.254 | 44   | 0.870601 | 1 |
| Q66JR8 Ptms protein                                 | Ptms         | 28.2988 | 28.1313 | 5   | 23.158 | 9.7376 | 39   | 0.863838 | 1 |
| Q66L40;Q8BRU6 Synaptic vesicular amine transporter  | Slc18a2      | 24.6859 | 25.4804 | 2   | 49.297 | 30.282 | 23   | 0.355972 | 1 |
| Q68FG2;Q3UGZ4 Spectrin beta chain                   | Sptbn2       | 31.2655 | 31.2304 | 116 | 270.92 | 323.31 | 1038 | 0.548112 | 1 |
| Q6A087 MKIAA0302 protein                            | Sptbn2       | 26.311  | 26.2647 | 97  | 222.92 | 30.364 | 29   | 0.716013 | 1 |
| Q6GT24;Q6A0D0;D Peroxiredoxin-6                     | Prdx6        | 31.6203 | 31.6611 | 21  | 24.826 | 323.31 | 893  | 0.9201   | 1 |
| Q6IRU5;Q3TWZ9;Q Clathrin light chain B              | Cltb         | 28.173  | 27.8482 | 11  | 25.171 | 56.481 | 85   | 0.445669 | 1 |
| Q6NS52 Diacylglycerol kinase beta                   | Dgkb         | 27.5959 | 27.5657 | 21  | 90.271 | 136.58 | 104  | 0.930571 | 1 |
| Q6NZL0 Protein SOGA3                                | Soga3        | 25.7957 | 25.9088 | 10  | 103.48 | 28.775 | 20   | 0.397877 | 1 |
| Q6P069 Sorcin                                       | Sri          | 25.4105 | 26.5021 | 7   | 21.627 | 20.053 | 42   | 0.230603 | 1 |
| Q9D689;Q6P1F5;Q Huntingtin-interacting protein 1-re | Hip1r        | 25.207  | 25.2127 | 5   | 119.37 | 17.931 | 12   | 0.948893 | 1 |
| Q6P1J1;Q3TXY0;Q Crmp1 protein                       | Crmp1        | 31.2783 | 31.2182 | 35  | 74.22  | 323.31 | 919  | 0.818792 | 1 |
| Q6P5F9;Q921J0 Exportin-1                            | Xpo1         | 25.0949 | 26.0669 | 14  | 123.09 | 83.224 | 34   | 0.150002 | 1 |
| Q6P6I8;E0CYM8;Q Tyrosine-protein phosphatase non-   | Sirpa;Ptpps1 | 29.6831 | 29.7122 | 14  | 55.986 | 323.31 | 420  | 0.938022 | 1 |
| Q6PAC1;Q3U9Q8;C Gelsolin                            | Gsn          | 27.4731 | 27.1383 | 17  | 80.762 | 148.26 | 64   | 0.655737 | 1 |
| Q6PAJ1;A2RRK7 Breakpoint cluster region protein     | Bcr          | 25.8736 | 25.2697 | 14  | 143.07 | 37.496 | 19   | 0.035311 | 1 |

|                  |   |         |         |    |        |        |      |          |   |
|------------------|---|---------|---------|----|--------|--------|------|----------|---|
| Q6PB66           | Leucine-rich PPR motif-containing   Lrp | 27.1524 | 27.269  | 30 | 156.61 | 101.8  | 85   | 0.680507 | 1 |
| Q6PF96;Q921G7    | Electron transfer flavoprotein-ubiq E   | 24.9068 | 25.2067 | 9  | 61.16  | 27.374 | 18   | 0.820364 | 1 |
| Q6PHS9;E9Q683    | Voltage-dependent calcium channe        | 25.9848 | 26.0406 | 17 | 130.38 | 64.148 | 43   | 0.949383 | 1 |
| Q6PJ91;P15626    | Glutathione S-transferase Mu 2          | 23.674  | 24.5831 | 12 | 25.68  | 11.094 | 14   | 0.31252  | 1 |
| Q6R891           | Neurabin-2                              | 27.8823 | 27.8092 | 16 | 89.519 | 214.79 | 75   | 0.852175 | 1 |
| Q6XE40;O88910    | MAGUK p55 subfamily member 3            | 26.7752 | 26.8055 | 14 | 66.486 | 103.02 | 58   | 0.931727 | 1 |
| Q6ZPE2           | Myotubularin-related protein 5          | 25.4671 | 25.8214 | 11 | 208.69 | 35.43  | 25   | 0.326274 | 1 |
| Q6ZPJ3           | E2/E3 hybrid ubiquitin-protein liga     | 26.2565 | 26.0694 | 15 | 140.83 | 39.78  | 31   | 0.582443 | 1 |
| Q6ZPY3;Q8K596    | Sodium/calcium exchanger 2              | 28.3196 | 28.5765 | 19 | 79.755 | 128.47 | 139  | 0.712737 | 1 |
| Q6ZQ18           | Protein EFR3 homolog B                  | 25.6427 | 25.8988 | 9  | 92.405 | 36.785 | 19   | 0.050419 | 1 |
| Q6ZQ38;Q3UMI9    | Cullin-associated NEDD8-dissociate      | 30.5781 | 30.547  | 56 | 136.33 | 323.31 | 565  | 0.568917 | 1 |
| Q6ZQ84;Q9JLV5;E9 | Cullin-3                                | 25.7306 | 25.6161 | 13 | 91.276 | 42.369 | 35   | 0.907515 | 1 |
| Q6ZQE7;Q9Z0P4;Q  | Paralemmin-1                            | 28.018  | 27.9334 | 13 | 37.761 | 230.76 | 98   | 0.764646 | 1 |
| Q6ZWN5;F7CJS8;D  | 40S ribosomal protein S9                | 26.4108 | 25.8681 | 10 | 22.591 | 30.384 | 74   | 0.767429 | 1 |
| Q6ZWS7;Q923T9    | Calcium/calmodulin-dependent pro        | 24.8206 | 25.591  | 18 | 55.96  | 16.154 | 33   | 0.464514 | 1 |
| Q6ZWV7;G3UWD7    | 60S ribosomal protein L35               | 24.0946 | 24.9498 | 3  | 14.552 | 15.355 | 33   | 0.603395 | 1 |
| Q6ZWX6;Q9CV24    | Eukaryotic translation initiation fac   | 23.3677 | 24.789  | 4  | 36.108 | 8.8817 | 9    | 0.259508 | 1 |
| Q6ZWZ6;P63323    | 40S ribosomal protein S12               | 24.6625 | 24.6797 | 5  | 14.515 | 13.201 | 27   | 0.992976 | 1 |
| Q71M36           | Chondroitin sulfate proteoglycan 5      | 25.0167 | 24.6776 | 5  | 60.405 | 22.912 | 18   | 0.751272 | 1 |
| Q76MZ3;Q8C2E1;C  | Serine/threonine-protein phosphat       | 32.3305 | 32.2958 | 36 | 65.322 | 323.31 | 996  | 0.857516 | 1 |
| Q78IK2           | Up-regulated during skeletal muscl      | 26.4011 | 24.6435 | 3  | 6.3814 | 41.556 | 83   | 0.28228  | 1 |
| Q78ZM0;Q9CU14;C  | Sorting nexin-3                         | 24.826  | 25.286  | 9  | 18.762 | 24.367 | 42   | 0.80941  | 1 |
| Q7TMB8;A0A0R4J1  | Cytoplasmic FMR1-interacting prot       | 24.3881 | 24.4745 | 29 | 145.24 | 20.271 | 11   | 0.900491 | 1 |
| Q7TMM9;Q99J49    | Tubulin beta-2A chain                   | 33.5311 | 33.5609 | 30 | 49.906 | 323.31 | 1760 | 0.923619 | 1 |
| Q8K5D8;Q91V89;Q  | Protein phosphatase 2a regulatory       | 27.2902 | 27.329  | 17 | 65.312 | 120.33 | 78   | 0.917242 | 1 |
| Q7TNR6           | Immunoglobulin superfamily mem          | 23.414  | 23.4528 | 3  | 51.937 | 6.468  | 4    | 0.91474  | 1 |
| Q8CHM5;Q7TPD5;C  | Ribosomal protein S6 kinase;Ribos       | 25.1939 | 24.9956 | 8  | 79.907 | 23.001 | 15   | 0.79643  | 1 |
| Q7TPG1;Q7TPG2;Q  | cAMP and cAMP-inhibited cGMP 3          | 29.6168 | 29.6726 | 40 | 87.794 | 323.31 | 364  | 0.841925 | 1 |
| Q7TPM6           | Fibronectin type III and SPRY doma      | 23.8379 | 24.3184 | 9  | 55.524 | 24.504 | 19   | 0.616442 | 1 |
| Q7TQI3;D3YWF6;D  | Ubiquitin thioesterase OTUB1            | 29.7862 | 29.8391 | 14 | 31.27  | 217.59 | 406  | 0.725166 | 1 |
| Q7TSJ2;A0A140LIT | Microtubule-associated protein 6        | 31.9277 | 31.9076 | 63 | 96.449 | 323.31 | 1256 | 0.935852 | 1 |
| Q80SW1           | Putative adenosylhomocysteinase         | 29.5968 | 29.4587 | 24 | 58.951 | 304.49 | 214  | 0.379809 | 1 |
| Q80TB8;Q8BL94    | Synaptic vesicle membrane proteir       | 28.5313 | 28.1625 | 20 | 45.817 | 200.16 | 203  | 0.467364 | 1 |

|   |                |         |         |    |        |        |      |          |   |
|---|----------------|---------|---------|----|--------|--------|------|----------|---|
| Q80TH1;Q52KF7;A: Disks large homolog 3              | Dlg3           | 27.2088 | 26.9344 | 23 | 103.83 | 113.81 | 60   | 0.600414 | 1 |
| Q80TJ1;K4DI76;J3C Calcium-dependent secretion activ | Cadps          | 29.9489 | 30.0107 | 44 | 153.11 | 323.31 | 508  | 0.437438 | 1 |
| Q80TL4;F6SBE4 Protein KIAA1045                      | Kiaa1045;N281  | 30.0902 | 30.135  | 22 | 45.222 | 323.31 | 386  | 0.714342 | 1 |
| Q80TT4;Q9CZW5;C Mitochondrial import receptor sub   | Tomm70a        | 30.1556 | 30.0886 | 30 | 69.531 | 323.31 | 500  | 0.816042 | 1 |
| Q80TZ3 Putative tyrosine-protein phosphat           | Dnajc6         | 28.633  | 28.8241 | 27 | 102.3  | 143.87 | 179  | 0.560652 | 1 |
| Q80U23 Syntaphilin                                  | Snph           | 25.0687 | 23.9901 | 4  | 53.752 | 13.276 | 6    | 0.247105 | 1 |
| Q80U56 Late secretory pathway protein AV            | Avl9           | 23.621  | 24.4532 | 7  | 72.185 | 22.843 | 10   | 0.098023 | 1 |
| Q80UE4;Q811B2;B Band 4.1-like protein 2             | Epb4.1l2;Epb41 | 28.4948 | 28.3922 | 29 | 88.461 | 234.33 | 117  | 0.844655 | 1 |
| Q80UU9 Membrane-associated progesteror              | Pgrmc2         | 22.8681 | 24.6612 | 6  | 23.334 | 11.973 | 18   | 0.002925 | 1 |
| Q80VM5;Q5U4C2;I Dipeptidyl aminopeptidase-like      | prc Dpp6       | 29.1287 | 29.0956 | 23 | 91.213 | 259.04 | 182  | 0.801177 | 1 |
| Q80VP1 Epsin-1                                      | Epn1           | 27.8797 | 27.6358 | 9  | 60.211 | 140.55 | 106  | 0.525816 | 1 |
| Q80X54;Q91YJ2 Sorting nexin-4                       | Snx4           | 24.1648 | 24.421  | 5  | 47.04  | 14.928 | 14   | 0.82954  | 1 |
| Q80X80;Q3U590;Q C2 domain-containing protein 2-lik  | C2cd2l;mKIAA0  | 26.9172 | 27.1224 | 17 | 76.328 | 232.42 | 76   | 0.691308 | 1 |
| Q80X95;G3UYP1;Q Ras-related GTP-binding protein A;  | Rraga;Rragb    | 23.7381 | 24.3296 | 4  | 36.566 | 11.927 | 9    | 0.590605 | 1 |
| Q80XN0;D3Z2Y8 D-beta-hydroxybutyrate dehydrog       | r Bdh1         | 27.0726 | 27.2504 | 13 | 38.299 | 90.623 | 160  | 0.844313 | 1 |
| Q80Y09;Q9WU78;C Programmed cell death 6-interacti   | r Pcdcd6ip     | 27.7413 | 27.1557 | 27 | 96.31  | 193.25 | 81   | 0.466951 | 1 |
| Q810U3 Neurofascin                                  | Nfasc          | 24.2509 | 24.8476 | 40 | 137.97 | 125.6  | 25   | 0.690536 | 1 |
| Q810U4 Neuronal cell adhesion molecule              | Nrcam          | 29.1653 | 28.9377 | 24 | 138.52 | 304.37 | 140  | 0.259095 | 1 |
| Q8BFR5 Elongation factor Tu, mitochondria           | Tufm           | 30.4879 | 30.6174 | 25 | 49.508 | 323.31 | 537  | 0.527765 | 1 |
| Q8BG39 Synaptic vesicle glycoprotein 2B             | Sv2b           | 28.1466 | 28.2965 | 11 | 77.456 | 85.535 | 144  | 0.828801 | 1 |
| Q8BG51 Mitochondrial Rho GTPase 1                   | Rhot1          | 24.4622 | 24.8596 | 5  | 72.241 | 14.294 | 19   | 0.52671  | 1 |
| Q8BGB7 Enolase-phosphatase E1                       | Enoph1         | 25.5332 | 25.5853 | 6  | 28.6   | 56.859 | 40   | 0.968619 | 1 |
| Q8BGH2 Sorting and assembly machinery               | cc Samm50      | 27.5504 | 27.8487 | 16 | 51.863 | 150.77 | 112  | 0.101882 | 1 |
| Q8BGT8;F7D3N3;F Phytanoyl-CoA hydroxylase-interac   | r Phyhipl      | 26.252  | 27.5827 | 14 | 42.34  | 44.104 | 51   | 0.23401  | 1 |
| Q8BGX2 Uncharacterized protein C19orf52 homolog     |                | 24.5214 | 25.0116 | 6  | 29.415 | 22.472 | 15   | 0.477526 | 1 |
| Q8BH44;G3UW48 Coronin-2B;Coronin                    | Coro2b         | 26.6415 | 26.7036 | 10 | 54.936 | 34.813 | 46   | 0.728217 | 1 |
| Q8BH59 Calcium-binding mitochondrial carr           | Slc25a12       | 31.5704 | 31.4394 | 41 | 74.569 | 323.31 | 1571 | 0.546578 | 1 |
| Q8BH66;Q6PGE9 Atlantin-1                            | Atl1           | 26.8738 | 26.7914 | 15 | 63.377 | 46.318 | 59   | 0.799664 | 1 |
| Q8BH80;Q9QY76;C Vesicle-associated membrane prot    | Vapb           | 27.4434 | 26.3849 | 9  | 26.918 | 32.723 | 68   | 0.390713 | 1 |
| Q8BH95 Enoyl-CoA hydratase, mitochondria            | Echs1          | 27.9067 | 28.7014 | 12 | 31.474 | 111.42 | 162  | 0.188532 | 1 |
| Q8BHE3 Caytaxin                                     | Atcay          | 25.2228 | 25.3066 | 8  | 42.178 | 34.378 | 35   | 0.923404 | 1 |
| Q8BHL3 TBC1 domain family member 10B                | Tbc1d10b       | 24.0718 | 25.2297 | 6  | 87.274 | 17.66  | 12   | 0.083913 | 1 |
| Q8BHZ0;Q9CWE1 Protein FAM49A                        | Fam49a         | 24.7901 | 24.6376 | 7  | 37.342 | 15.966 | 20   | 0.761098 | 1 |

|                  |                                     |                |         |         |    |        |        |     |          |   |
|------------------|-------------------------------------|----------------|---------|---------|----|--------|--------|-----|----------|---|
| Q8BIJ6;E9PWN2;E9 | Isoleucine--tRNA ligase, mitochond  | lars2          | 27.7737 | 27.9371 | 24 | 112.8  | 127.71 | 92  | 0.38767  | 1 |
| Q8BJH1           | Zinc finger C2HC domain-containin   | Zc2hc1a        | 26.8181 | 26.5767 | 12 | 35.152 | 37.326 | 41  | 0.313424 | 1 |
| Q8BJY1           | 26S proteasome non-ATPase regul     | Psmd5          | 28.0942 | 28.045  | 11 | 55.971 | 64.717 | 31  | 0.796773 | 1 |
| Q8BKC5;Q3TT04;Q  | Importin-5                          | Ipo5           | 26.9716 | 26.9935 | 17 | 123.59 | 139.14 | 45  | 0.952843 | 1 |
| Q8BKS6;Q8C167    | Prolyl endopeptidase-like           | Prepl          | 24.4971 | 24.2788 | 11 | 75.909 | 58.933 | 17  | 0.887746 | 1 |
| Q8BKZ9           | Pyruvate dehydrogenase protein X    | Pdhx           | 28.1298 | 28.0126 | 13 | 53.998 | 90.712 | 94  | 0.523584 | 1 |
| Q8BL66;Q05CS7    | Early endosome antigen 1            | Eea1           | 24.9446 | 25.8227 | 9  | 160.91 | 36.731 | 13  | 0.485457 | 1 |
| Q8BLE7;A0A0R4J0A | Vesicular glutamate transporter 2   | Slc17a6        | 24.1137 | 25.3444 | 9  | 64.56  | 13.306 | 12  | 0.419063 | 1 |
| Q8BMF3           | NADP-dependent malic enzyme, m      | Me3            | 27.5077 | 27.2002 | 16 | 67.098 | 321.24 | 68  | 0.532803 | 1 |
| Q8BMF4           | Dihydrolipoyllysine-residue acetyl  | Dlat           | 30.5853 | 30.6185 | 18 | 67.941 | 323.31 | 641 | 0.885823 | 1 |
| Q8BMS1;Q3TB39    | Trifunctional enzyme subunit alpha  | Hadha          | 28.1409 | 28.1693 | 24 | 82.669 | 323.31 | 109 | 0.918956 | 1 |
| Q8BNU0           | Armadillo repeat-containing protei  | Armc6          | 24.7217 | 24.8192 | 4  | 50.683 | 21.263 | 13  | 0.549813 | 1 |
| Q8BNW9           | Kelch repeat and BTB domain-cont    | Kbtbd11        | 26.7421 | 26.5028 | 14 | 67.945 | 49.686 | 53  | 0.317253 | 1 |
| Q8BNY6           | Neuronal calcium sensor 1           | Ncs1           | 24.6964 | 23.7348 | 3  | 21.878 | 9.1817 | 8   | 0.328475 | 1 |
| Q8BP47           | Asparagine--tRNA ligase, cytoplas   | Nars           | 26.1325 | 26.0007 | 15 | 64.279 | 52.249 | 79  | 0.359118 | 1 |
| Q9JJ43;Q8BP71;Q8 | RNA binding protein fox-1 homolo    | Rbfox1;Rbfox2; | 25.069  | 25.2461 | 5  | 42.678 | 17.837 | 12  | 0.860188 | 1 |
| Q8BPH0;Q8CCV1;C  | Eukaryotic peptide chain release fa | Gspt1;Gspt2    | 26.2924 | 26.5309 | 11 | 49.293 | 44.525 | 22  | 0.31035  | 1 |
| Q8C5G6;Q8BQL7;C  | Toll-interacting protein            | Tollip         | 26.4722 | 25.8587 | 5  | 24.54  | 33.886 | 69  | 0.480861 | 1 |
| Q8BRQ9;Q925N0    | Sideroflexin;Sideroflexin-5         | Sfxn5          | 26.6219 | 27.0967 | 6  | 32.783 | 32.123 | 50  | 0.320178 | 1 |
| Q8BTG7           | Protein NDRG4                       | Ndrg4          | 26.8268 | 27.4807 | 10 | 38.508 | 107.88 | 79  | 0.333052 | 1 |
| Q8BU20;Q9CQH3;E  | NADH dehydrogenase [ubiquinone      | Ndufb5         | 26.9047 | 27.0359 | 8  | 21.738 | 46.848 | 91  | 0.884456 | 1 |
| Q8BVI4;D3YWR7;A  | Dihydropteridine reductase          | Qdpr           | 29.9515 | 30.0874 | 16 | 25.57  | 267.99 | 378 | 0.708711 | 1 |
| Q8BVQ5           | Protein phosphatase methylestera    | Ppme1          | 26.4698 | 26.6398 | 10 | 42.256 | 48.757 | 71  | 0.372301 | 1 |
| Q8BVU5           | ADP-ribose pyrophosphatase, mito    | Nudt9          | 23.8265 | 23.8689 | 3  | 38.604 | 5.7592 | 5   | 0.932869 | 1 |
| Q8BW75           | Amine oxidase [flavin-containing]   | E Maob         | 26.3389 | 25.1555 | 11 | 58.557 | 57.367 | 34  | 0.424938 | 1 |
| Q8BWM0           | Prostaglandin E synthase 2;Prostag  | Ptges2         | 24.8968 | 25.1007 | 7  | 43.323 | 24.802 | 15  | 0.682539 | 1 |
| Q8BWT1;Q3UKH3    | 3-ketoacyl-CoA thiolase, mitochon   | Acaa2          | 27.8582 | 28.1481 | 19 | 41.829 | 176.35 | 141 | 0.270043 | 1 |
| Q8BXZ1           | Protein disulfide-isomerase TMX3    | Tmx3           | 24.2866 | 24.3044 | 4  | 51.847 | 10.002 | 10  | 0.983531 | 1 |
| Q8BYI9           | Tenascin-R                          | Tnr            | 30.8246 | 30.7374 | 32 | 149.59 | 323.31 | 696 | 0.571534 | 1 |
| Q8C0C7;E9PWY9;C  | Phenylalanine--tRNA ligase alpha    | Farsa          | 25.7536 | 25.8008 | 8  | 57.598 | 43.916 | 25  | 0.809405 | 1 |
| Q8C0E2           | Vacuolar protein sorting-associater | Vps26b         | 24.051  | 26.0356 | 11 | 39.124 | 33.783 | 36  | 0.128448 | 1 |
| Q8COM9           | Isoaspartyl peptidase/L-asparagina  | Asrgl1         | 26.315  | 27.1004 | 11 | 33.95  | 98.941 | 86  | 0.302001 | 1 |
| Q8C0Y2;Q9QYB8    | Beta-adducin                        | Add2           | 29.0198 | 29.0345 | 28 | 77.853 | 323.31 | 238 | 0.922131 | 1 |

|                  |                                     |         |         |         |    |        |        |     |          |   |
|------------------|-------------------------------------|---------|---------|---------|----|--------|--------|-----|----------|---|
| Q8C163;E9PZS5    | Nuclease EXOG, mitochondrial        | Exog    | 25.5832 | 25.6934 | 8  | 41.383 | 39.503 | 30  | 0.632336 | 1 |
| Q8C2D1;Q9D094;C  | Histidine--tRNA ligase, cytoplasmic | Hars    | 26.1375 | 26.1275 | 12 | 57.402 | 31.96  | 24  | 0.978929 | 1 |
| Q8C419;Q8C3D0;Q  | Probable G-protein coupled recept   | Gpr158  | 24.9958 | 25.552  | 11 | 134.42 | 31.724 | 28  | 0.441913 | 1 |
| Q8VC93;Q8C460;A  | ERI1 exoribonuclease 3              | Eri3    | 24.6956 | 24.6289 | 3  | 29.682 | 8.2427 | 13  | 0.94964  | 1 |
| Q8C4E7;Q8C8N2;Q  | Protein SCAI                        | Scai    | 23.4878 | 24.2377 | 4  | 61.024 | 28.434 | 16  | 0.492192 | 1 |
| Q8C553           | Uncharacterized protein             | Lmnb1   | 26.9243 | 26.2949 | 13 | 47.49  | 27.334 | 20  | 0.16505  | 1 |
| Q8C5H8;Q9CUB4;C  | NAD kinase 2, mitochondrial         | Nadk2   | 24.2458 | 24.6925 | 5  | 50.858 | 15.707 | 22  | 0.165182 | 1 |
| Q8C605;Q9WUA3    | ATP-dependent 6-phosphofructoki     | Pfcp    | 30.2751 | 30.3048 | 36 | 85.546 | 323.31 | 573 | 0.903721 | 1 |
| Q8C845;Q9D8Y0    | EF-hand domain-containing proteir   | Efhd2   | 29.0121 | 28.9448 | 17 | 26.8   | 169.78 | 215 | 0.876267 | 1 |
| Q8C854;A2ATP5;A  | Myelin expression factor 2          | Myef2   | 26.881  | 27.0865 | 8  | 63.294 | 24.802 | 39  | 0.737133 | 1 |
| Q8CAA7;I6L9A5    | Glucose 1,6-bisphosphate synthase   | Pgm2l1  | 28.0991 | 28.07   | 21 | 70.279 | 77.494 | 144 | 0.870764 | 1 |
| Q8CAQ8;Q2YDW0    | MICOS complex subunit               | Mic60   | 30.5359 | 30.5104 | 50 | 83.899 | 323.31 | 604 | 0.913808 | 1 |
| Q8CBE3;Q3UK24;H  | WD repeat-containing protein 37     | Wdr37   | 27.1007 | 27.1689 | 14 | 55.045 | 89.017 | 81  | 0.786256 | 1 |
| Q8CC13;O35643;Q  | AP complex subunit beta;AP-1 com    | Ap1b1   | 29.6282 | 29.6607 | 51 | 105    | 323.31 | 207 | 0.727937 | 1 |
| Q8CFX3;Q8QZT6    | Protocadherin 1                     | Pcdh1   | 26.3329 | 26.1704 | 13 | 112.41 | 245.33 | 37  | 0.769085 | 1 |
| Q8CG76           | Aflatoxin B1 aldehyde reductase m   | Akr7a2  | 26.2765 | 26.9191 | 10 | 40.612 | 38.45  | 41  | 0.322927 | 1 |
| Q8CGA0           | Protein phosphatase 1F              | Ppm1f   | 24.2996 | 24.3516 | 3  | 49.61  | 16.476 | 13  | 0.939245 | 1 |
| Q8CGC7;B9EIU1    | Bifunctional glutamate/proline--tRI | Eprs    | 26.3055 | 26.217  | 13 | 170.08 | 51.078 | 34  | 0.672286 | 1 |
| Q8CGF6;Q8C8E3    | WD repeat-containing protein 47     | Wdr47   | 26.4564 | 25.2668 | 12 | 102.31 | 38.624 | 26  | 0.39092  | 1 |
| Q8CGK3;Q3V2D0    | Lon protease homolog, mitochondi    | Lonp1   | 27.4245 | 27.481  | 26 | 105.84 | 309.67 | 110 | 0.723473 | 1 |
| Q8CGY8           | UDP-N-acetylglucosamine--peptide    | Ogt     | 26.8702 | 26.4856 | 32 | 116.95 | 126.01 | 56  | 0.59996  | 1 |
| Q8CHP8;Q5XK18    | Phosphoglycolate phosphatase        | Pgp     | 27.3288 | 27.3393 | 12 | 34.54  | 195.64 | 88  | 0.982152 | 1 |
| Q8CI32           | BAG family molecular chaperone r    | Bag5    | 24.222  | 23.7082 | 5  | 50.942 | 16.504 | 8   | 0.041555 | 1 |
| Q8CI71           | Coiled-coil domain-containing prot  | Ccdc132 | 23.7641 | 24.6321 | 7  | 111.17 | 18.882 | 10  | 0.269474 | 1 |
| Q8CIN4;Q811J8;Q5 | Serine/threonine-protein kinase P   | Pak2    | 24.6456 | 24.6057 | 13 | 57.93  | 14.88  | 22  | 0.953478 | 1 |
| Q8JZN5           | Acyl-CoA dehydrogenase family m     | Acad9   | 24.1016 | 24.1145 | 8  | 68.721 | 31.549 | 16  | 0.989839 | 1 |
| Q8JZS0           | Protein lin-7 homolog A             | Lin7a   | 28.6357 | 28.9539 | 8  | 25.992 | 33.164 | 122 | 0.63065  | 1 |
| Q8JZU2;F6VVY4    | Tricarboxylate transport protein, r | Slc25a1 | 24.4181 | 24.473  | 5  | 33.931 | 10.618 | 11  | 0.967945 | 1 |
| Q8JZW4           | Copine-5                            | Cpne5   | 27.7603 | 27.7914 | 15 | 65.592 | 174.56 | 182 | 0.915899 | 1 |
| Q8K0E9;Q9DBB8    | Trans-1,2-dihydrobenzene-1,2-diol   | Dhdh    | 23.8805 | 24.2713 | 3  | 36.641 | 14.153 | 11  | 0.405338 | 1 |
| Q8K0G5           | Protein TSSC1                       | Tssc1   | 25.199  | 25.3694 | 5  | 43.126 | 31.215 | 12  | 0.443101 | 1 |
| Q8K0U4           | Heat shock 70 kDa protein 12A       | Hspa12a | 29.8424 | 29.7616 | 39 | 74.87  | 323.31 | 377 | 0.62662  | 1 |
| Q8K183;D3Z7R1    | Pyridoxal kinase                    | Pdxk    | 30.8619 | 30.7111 | 17 | 35.015 | 323.31 | 450 | 0.18423  | 1 |

|                  |                                       |         |         |         |    |        |        |     |          |   |
|------------------|---------------------------------------|---------|---------|---------|----|--------|--------|-----|----------|---|
| Q8K212;Q3TP27;Q  | Phosphofurin acidic cluster sorting   | Pacs1   | 26.7541 | 27.0812 | 18 | 104.83 | 64.49  | 76  | 0.317765 | 1 |
| Q8K232;Q9QYC0;F  | Alpha-adducin                         | Add1    | 30.5975 | 30.4959 | 32 | 80.623 | 323.31 | 494 | 0.614196 | 1 |
| Q8K274           | Ketosamine-3-kinase                   | Fn3krp  | 24.8585 | 25.741  | 5  | 34.468 | 24.565 | 24  | 0.372042 | 1 |
| Q8K2B3           | Succinate dehydrogenase [ubiquinone]  | Sdha    | 30.7851 | 30.7274 | 33 | 72.585 | 323.31 | 578 | 0.695165 | 1 |
| Q8K2C9           | Very-long-chain (3R)-3-hydroxyacyl    | Hacd3   | 25.3779 | 25.9768 | 5  | 43.131 | 16.201 | 27  | 0.433258 | 1 |
| Q8K354           | Carbonyl reductase [NADPH] 3          | Cbr3    | 28.2371 | 28.5321 | 16 | 30.953 | 127.07 | 139 | 0.547983 | 1 |
| Q8K394           | Inactive phospholipase C-like prote   | Plcl2   | 25.104  | 24.8973 | 8  | 125.77 | 19.163 | 10  | 0.869403 | 1 |
| Q8K3H0           | DCC-interacting protein 13-alpha      | Appl1   | 26.1645 | 26.6749 | 12 | 79.327 | 51.719 | 33  | 0.327747 | 1 |
| Q8K4Z3           | NAD(P)H-hydrate epimerase             | Apoa1bp | 27.4284 | 27.0367 | 8  | 30.972 | 43.336 | 72  | 0.768193 | 1 |
| Q8QZS1;E0CX19    | 3-hydroxyisobutyryl-CoA hydrolase     | Hibch   | 26.5963 | 25.4806 | 12 | 43.037 | 33.727 | 46  | 0.399905 | 1 |
| Q8QZT1;Q3TQP7    | Acetyl-CoA acetyltransferase, mito    | Acat1   | 30.7378 | 30.79   | 25 | 44.816 | 323.31 | 510 | 0.848741 | 1 |
| Q8QZT2           | Centriole, cilia and spindle-associat | Ccsap   | 24.3213 | 24.9391 | 5  | 28.378 | 15.556 | 14  | 0.483108 | 1 |
| Q8QZV4;E9PXX4    | Serine/threonine-protein kinase 32    | Stk32c  | 24.5472 | 24.52   | 6  | 55.262 | 44.355 | 16  | 0.983145 | 1 |
| Q8R016           | Bleomycin hydrolase                   | Blmh    | 27.558  | 27.5455 | 14 | 52.511 | 70.794 | 72  | 0.952216 | 1 |
| Q8R071           | Inositol-trisphosphate 3-kinase A     | Itpka   | 26.8603 | 27.2748 | 15 | 50.934 | 101.49 | 77  | 0.088988 | 1 |
| Q8ROY6;Q8CIF2    | Cytosolic 10-formyltetrahydrofolat    | Aldh11l | 28.026  | 27.8929 | 27 | 98.708 | 158.78 | 109 | 0.514462 | 1 |
| Q8R191           | Synaptogyrin-3                        | Syngn3  | 27.9735 | 28.2718 | 5  | 24.561 | 57.83  | 75  | 0.686243 | 1 |
| Q8R1B4           | Eukaryotic translation initiation fac | Eif3c   | 24.2618 | 24.3739 | 9  | 105.53 | 22.744 | 11  | 0.92812  | 1 |
| Q8R2R9           | AP-3 complex subunit mu-2             | Ap3m2   | 25.7299 | 24.1433 | 7  | 46.916 | 22.451 | 24  | 0.166662 | 1 |
| Q8R326           | Paraspeckle component 1               | Pspc1   | 27.225  | 27.1797 | 11 | 58.758 | 41.927 | 42  | 0.82267  | 1 |
| Q8R3P0;V9GXG0;B  | Aspartoacylase                        | Aspa    | 26.9156 | 27.2603 | 12 | 35.344 | 49.273 | 73  | 0.15674  | 1 |
| Q8R464           | Cell adhesion molecule 4              | Cadm4   | 27.6978 | 27.8055 | 11 | 42.723 | 101.17 | 93  | 0.726512 | 1 |
| Q8R570;B2FDF6;I7 | Synaptosomal-associated protein 4     | Snap47  | 25.4696 | 24.8163 | 7  | 46.524 | 108.39 | 34  | 0.668725 | 1 |
| Q8R5C5;Q8R1B2    | Beta-centractin                       | Actr1b  | 26.7672 | 25.5981 | 14 | 42.281 | 166.17 | 53  | 0.485737 | 1 |
| Q8R5H6           | Wiskott-Aldrich syndrome protein      | Wasf1   | 28.9158 | 28.7572 | 14 | 61.508 | 202.56 | 140 | 0.74224  | 1 |
| Q8R5L1;O35658    | Complement component 1 Q subcom       | C1qbp   | 24.5714 | 25.7897 | 4  | 31.025 | 26.744 | 48  | 0.379718 | 1 |
| Q8VBV7           | COP9 signalosome complex subunit      | Cops8   | 26.0555 | 25.3995 | 6  | 23.255 | 87.793 | 44  | 0.698582 | 1 |
| Q8VCT3;Q8BMH2;F  | Aminopeptidase B                      | Rnpep   | 26.715  | 26.4619 | 8  | 72.415 | 110.98 | 41  | 0.10629  | 1 |
| Q8VCW8           | Acyl-CoA synthetase family memb       | Acsf2   | 26.5515 | 26.6447 | 13 | 67.95  | 124.32 | 31  | 0.821008 | 1 |
| Q8VD37           | SH3-containing GRB2-like protein 3    | Sgip1   | 28.2418 | 28.2216 | 23 | 86.062 | 273.7  | 117 | 0.933938 | 1 |
| Q8VDD5           | Myosin-9                              | Myh9    | 26.6409 | 26.7115 | 35 | 226.37 | 80.572 | 47  | 0.701772 | 1 |
| Q8VDK1;D3Z2Y2;D  | Nitrilase homolog 1                   | Nit1    | 25.0424 | 24.4564 | 6  | 35.705 | 80.756 | 22  | 0.645657 | 1 |
| Q8VDK4;Q9WTR5;C  | Cadherin-13                           | Cdh13   | 25.4785 | 25.5554 | 5  | 78.116 | 53.584 | 23  | 0.915039 | 1 |

|  |   |         |         |    |        |        |      |          |   |
|--|---|---------|---------|----|--------|--------|------|----------|---|
| Q8VDN2;Q3TXF9;Q Sodium/potassium-transporting AT   | Atp1a1                                      | 31.3716 | 31.4475 | 57 | 112.98 | 323.31 | 707  | 0.928466 | 1 |
| Q8VE70;F8WI55;Q Programmed cell death protein 10   | Pdcd10                                      | 23.648  | 24.627  | 5  | 24.715 | 21.824 | 25   | 0.357827 | 1 |
| Q8VED9   | Galectin-related protein Lgalsl             | 26.8787 | 28.2377 | 8  | 18.955 | 34.874 | 107  | 0.341791 | 1 |
| Q8VEH5   | EPM2A-interacting protein 1 Epm2aip1        | 23.8051 | 24.4052 | 6  | 70.095 | 49.053 | 13   | 0.657397 | 1 |
| Q8VHL1   | Histone-lysine N-methyltransferase Setd7    | 25.2149 | 25.6101 | 7  | 40.506 | 38.066 | 17   | 0.502329 | 1 |
| Q8VIJ6;Q3TZL2                                      | Splicing factor, proline- and glutam Sfpq   | 28.6666 | 28.6502 | 18 | 75.441 | 291.27 | 139  | 0.97373  | 1 |
| Q8VIM9   | Immunity-related GTPase family Q Irgq       | 23.9861 | 24.6003 | 3  | 59.323 | 8.0547 | 6    | 0.381123 | 1 |
| Q91V55;D3YYM6;D 40S ribosomal protein S5;40S ribos | Rps5  | 25.8151 | 26.315  | 10 | 22.876 | 74.153 | 54   | 0.813946 | 1 |
| Q91V61;Q3U4F0                                      | Sideroflexin-3 Sfxn3                        | 30.0167 | 30.0453 | 16 | 35.406 | 323.31 | 501  | 0.953469 | 1 |
| Q91VA7   | Isocitrate dehydrogenase [NAD] su Idh3b     | 30.8191 | 30.8338 | 25 | 42.194 | 323.31 | 634  | 0.977764 | 1 |
| Q91VB8;Q9CY10;Q Hemoglobin subunit alpha           | haemaglobin alj                             | 33.2793 | 33.1971 | 10 | 15.112 | 283.63 | 1098 | 0.817677 | 1 |
| Q91VM9;D3Z636                                      | Inorganic pyrophosphatase 2, mito Ppa2      | 27.1137 | 27.4387 | 15 | 38.114 | 69.536 | 126  | 0.635462 | 1 |
| Q922B8;Q91VR5;Q ATP-dependent RNA helicase DDX1    | Ddx1  | 25.4732 | 25.1738 | 19 | 82.612 | 162.6  | 40   | 0.85745  | 1 |
| Q91VR7   | Microtubule-associated proteins 1/ Map1lc3a | 26.5188 | 26.5954 | 4  | 14.272 | 12.256 | 78   | 0.971278 | 1 |
| Q91VZ6;D3YVX4                                      | Stromal membrane-associated pro Smap1       | 26.8372 | 26.4883 | 5  | 47.66  | 47.391 | 43   | 0.634024 | 1 |
| Q91WD5;D3YXT0                                      | NADH dehydrogenase [ubiquinone Ndufs2       | 29.7648 | 29.7682 | 22 | 52.625 | 323.31 | 439  | 0.990415 | 1 |
| Q91WS0   | CDGSH iron-sulfur domain-containi Cisd1     | 29.2669 | 29.2985 | 6  | 12.097 | 197.93 | 349  | 0.9472   | 1 |
| Q91X97;D3YVA2;D Neurocalcin-delta                  | Ncald                                       | 26.4971 | 26.3518 | 11 | 22.245 | 47.165 | 50   | 0.814152 | 1 |
| Q91XM9;E9Q2L2;D Disks large homolog 2              | Dlg2  | 28.7401 | 28.5625 | 33 | 94.879 | 213.39 | 186  | 0.57364  | 1 |
| Q91XU3   | Phosphatidylinositol 5-phosphate 4 Pip4k2c  | 25.4336 | 25.6636 | 7  | 47.335 | 131.27 | 27   | 0.722637 | 1 |
| Q91XV3   | Brain acid soluble protein 1 Basp1          | 32.5676 | 32.6238 | 19 | 22.086 | 323.31 | 574  | 0.874576 | 1 |
| Q91Z31;A0A0G2JG                                    | Polypyrimidine tract-binding protei Ptbp2   | 25.9051 | 26.1601 | 11 | 57.488 | 43.165 | 19   | 0.583586 | 1 |
| Q91ZP9;Q3B7X9;Q N-terminal EF-hand calcium-bindin  | Necab2                                      | 27.0662 | 26.9203 | 15 | 43.44  | 54.211 | 90   | 0.78711  | 1 |
| Q91ZZ3   | Beta-synuclein Sncb                         | 29.1387 | 27.7945 | 6  | 14.051 | 215.06 | 150  | 0.623769 | 1 |
| Q920I9;Q05CF1                                      | WD repeat-containing protein 7 Wdr7         | 28.6419 | 28.7057 | 35 | 163.45 | 323.31 | 164  | 0.860019 | 1 |
| Q921I1;E9Q035                                      | Serotransferrin Tf;Gm20425                  | 27.6489 | 27.3197 | 30 | 76.723 | 323.31 | 128  | 0.70014  | 1 |
| Q921M7   | Protein FAM49B Fam49b                       | 28.2239 | 27.9937 | 15 | 36.776 | 122.15 | 257  | 0.722964 | 1 |
| Q921Q7   | Ras and Rab interactor 1 Rin1               | 24.1404 | 24.196  | 8  | 83.013 | 26.95  | 15   | 0.971631 | 1 |
| Q921V3;Q9Z1J3                                      | Cysteine desulfurase, mitochondriæ Nfs1     | 25.4915 | 25.4268 | 9  | 50.584 | 25.246 | 22   | 0.857786 | 1 |
| Q922Q1   | Mitochondrial amidoxime reducing Marc2      | 26.3239 | 25.9836 | 11 | 38.194 | 60.629 | 36   | 0.307182 | 1 |
| Q923G3;A2AMW0; F-actin-capping protein subunit bet | Capzb                                       | 29.0019 | 29.125  | 20 | 30.628 | 216.44 | 321  | 0.505604 | 1 |
| Q925I1   | ATPase family AAA domain-contair Atad3      | 25.9599 | 25.7762 | 9  | 66.741 | 27.556 | 26   | 0.320955 | 1 |
| Q99J08   | SEC14-like protein 2 Sec14l2                | 24.6677 | 24.296  | 7  | 46.3   | 17.406 | 10   | 0.718177 | 1 |

|                  |                                     |          |         |         |    |        |        |      |          |   |
|------------------|-------------------------------------|----------|---------|---------|----|--------|--------|------|----------|---|
| Q99J83           | Autophagy protein 5                 | Atg5     | 24.7639 | 24.6579 | 3  | 32.402 | 13.854 | 12   | 0.843593 | 1 |
| Q99JI4           | 26S proteasome non-ATPase reguli    | Psmc6    | 25.268  | 25.9719 | 9  | 45.536 | 38.933 | 36   | 0.303759 | 1 |
| Q99JP7           | Gamma-glutamyltransferase 7;        | Gan Ggt7 | 24.6888 | 24.572  | 7  | 70.251 | 21.405 | 17   | 0.909443 | 1 |
| Q99JR1           | Sideroflexin-1                      | Sfxn1    | 26.2669 | 26.5817 | 10 | 35.649 | 55.79  | 41   | 0.25141  | 1 |
| Q99JX6           | Annexin                             | Anxa6    | 29.3434 | 29.2487 | 37 | 75.26  | 239.98 | 479  | 0.76815  | 1 |
| Q99JY0           | Trifunctional enzyme subunit beta,  | Hadhb    | 27.0665 | 26.708  | 18 | 51.386 | 84.628 | 84   | 0.595396 | 1 |
| Q99JY8           | Lipid phosphate phosphohydrolase    | Ppap2b   | 25.0623 | 25.4879 | 4  | 35.216 | 12.136 | 25   | 0.710961 | 1 |
| Q99KE1;Q3TSD4    | NAD-dependent malic enzyme, mit     | Me2      | 24.3271 | 24.9547 | 9  | 65.798 | 25.052 | 21   | 0.546438 | 1 |
| Q99KI0           | Aconitate hydratase, mitochondria   | Aco2     | 32.9537 | 33.4674 | 49 | 85.462 | 323.31 | 2448 | 0.484231 | 1 |
| Q99L13;A0ZNJ2    | 3-hydroxyisobutyrate dehydrogenase  | Hibadh   | 27.2608 | 27.2375 | 12 | 35.44  | 91.025 | 117  | 0.980755 | 1 |
| Q99L43;A2AMQ5;C  | Phosphatidate cytidyltransferase    | Cds2     | 26.3506 | 26.3365 | 6  | 51.313 | 27.421 | 29   | 0.985862 | 1 |
| Q99LB6           | Methionine adenosyltransferase 2    | Mat2b    | 25.7412 | 25.2261 | 7  | 37.392 | 57.168 | 49   | 0.565651 | 1 |
| Q99LC3           | NADH dehydrogenase [ubiquinone      | Ndufa10  | 29.9457 | 29.8121 | 18 | 40.603 | 321.27 | 453  | 0.548426 | 1 |
| Q99LC5           | Electron transfer flavoprotein subu | Etfa     | 29.4281 | 29.3571 | 16 | 35.009 | 225.61 | 208  | 0.862475 | 1 |
| Q99LP6;Q3UTB8    | GrpE protein homolog 1, mitochon    | Grpel1   | 24.8664 | 25.263  | 7  | 24.307 | 17.549 | 29   | 0.672196 | 1 |
| Q99LR1;D6RFU2    | Monoacylglycerol lipase ABHD12      | Abhd12   | 25.6766 | 25.487  | 14 | 45.269 | 45.559 | 47   | 0.732577 | 1 |
| Q99LS3;A0A0J9YVF | Phosphoserine phosphatase           | Psph     | 23.8721 | 26.0679 | 5  | 25.096 | 16.125 | 24   | 0.011405 | 1 |
| Q99LY9;B1ARW4    | NADH dehydrogenase [ubiquinone      | Ndufs5   | 26.2331 | 27.1354 | 9  | 12.648 | 49.911 | 92   | 0.564144 | 1 |
| Q99M71           | Mammalian ependymin-related pr      | Epdr1    | 25.7733 | 27.3233 | 7  | 25.485 | 35.8   | 62   | 0.109752 | 1 |
| Q99MN9;E9Q1J7;C  | Propionyl-CoA carboxylase beta ch   | Pccb     | 27.2328 | 27.3443 | 15 | 58.408 | 92.081 | 60   | 0.79231  | 1 |
| Q99MR8;Q3TVD9    | Methylcrotonoyl-CoA carboxylase     | Mccc1    | 24.7638 | 25.2792 | 13 | 79.343 | 39.82  | 22   | 0.609243 | 1 |
| Q99N15;Q9CYT3;A  | 3-hydroxyacyl-CoA dehydrogenase     | Hsd17b10 | 27.0788 | 26.9476 | 13 | 27.273 | 80.697 | 128  | 0.844488 | 1 |
| Q99P72           | Reticulon-4                         | Rtn4     | 29.3837 | 29.3531 | 26 | 126.61 | 282.65 | 211  | 0.935591 | 1 |
| Q99PL6;Q6KAM0    | UBX domain-containing protein 6     | Ubxn6    | 27.1624 | 26.9145 | 13 | 49.795 | 92.056 | 51   | 0.446074 | 1 |
| Q99PT1           | Rho GDP-dissociation inhibitor 1    | Arhgdia  | 30.4795 | 30.9111 | 14 | 23.407 | 323.31 | 442  | 0.431395 | 1 |
| Q99PU5           | Long-chain-fatty-acid--CoA ligase   | A Acsbg1 | 25.9285 | 26.2518 | 14 | 80.425 | 94.345 | 41   | 0.25379  | 1 |
| Q9CPP6;Q9CX78    | NADH dehydrogenase [ubiquinone      | Ndufa5   | 26.662  | 27.7574 | 7  | 13.36  | 116.72 | 74   | 0.368236 | 1 |
| Q9CPQ1           | Cytochrome c oxidase subunit 6C     | Cox6c    | 29.6984 | 30.4602 | 8  | 8.4689 | 52.361 | 274  | 0.197285 | 1 |
| Q9D037;Q9CQY3;C  | ATP synthase subunit g, mitochond   | Atp5l    | 29.099  | 29.0339 | 4  | 11.364 | 71.529 | 236  | 0.931585 | 1 |
| Q9CPS6;E9Q7F8;F8 | Histidine triad nucleotide-binding  | Hint3    | 24.5351 | 23.762  | 2  | 18.787 | 5.5649 | 7    | 0.123877 | 1 |
| Q9CPU4           | Microsomal glutathione S-transfer   | Mgst3    | 25.4773 | 25.9039 | 5  | 16.958 | 116.21 | 52   | 0.543006 | 1 |
| Q9CPV4;E9Q197;F  | Glyoxalase domain-containing prot   | Glod4    | 29.2275 | 29.414  | 19 | 33.316 | 243.95 | 274  | 0.681237 | 1 |
| Q9CPY7           | Cytosol aminopeptidase              | Lap3     | 27.8637 | 28.0282 | 22 | 56.141 | 160.04 | 158  | 0.420123 | 1 |

|                 |                                      |                |         |         |    |        |        |     |          |   |
|-----------------|--------------------------------------|----------------|---------|---------|----|--------|--------|-----|----------|---|
| Q9CQ54;Q9D846;A | NADH dehydrogenase [ubiquinone]      | Ndufc2         | 26.2112 | 26.916  | 8  | 14.164 | 27.483 | 107 | 0.383671 | 1 |
| Q9CQ60;Q8CBG6;L | 6-phosphogluconolactonase            | Pgls           | 26.7423 | 26.8297 | 10 | 27.254 | 41.364 | 65  | 0.833122 | 1 |
| Q9CQ69          | Cytochrome b-c1 complex subunit      | Uqcrq          | 28.6768 | 28.1868 | 8  | 9.7681 | 40.71  | 163 | 0.268961 | 1 |
| Q9CQ75          | NADH dehydrogenase [ubiquinone]      | Ndufa2         | 26.6065 | 27.2099 | 4  | 10.916 | 53.993 | 107 | 0.509707 | 1 |
| Q9CQ92;G3X9U9   | Mitochondrial fission 1 protein      | Fis1           | 25.0793 | 25.0261 | 5  | 17.008 | 34.394 | 26  | 0.972465 | 1 |
| Q9CQB4;Q9D855   | Cytochrome b-c1 complex subunit      | Uqcrb          | 28.1251 | 29.2023 | 11 | 13.561 | 94.583 | 165 | 0.277592 | 1 |
| Q9CQD1          | Ras-related protein Rab-5A           | Rab5a          | 26.7506 | 26.2768 | 7  | 23.598 | 36.997 | 65  | 0.084143 | 1 |
| Q9CQF3;Q9CZQ0;A | Cleavage and polyadenylation spec    | Nudt21         | 25.5973 | 25.7831 | 8  | 26.24  | 40.14  | 34  | 0.757418 | 1 |
| Q9CQJ8          | NADH dehydrogenase [ubiquinone]      | Ndufb9         | 27.8693 | 27.5834 | 13 | 21.984 | 205.09 | 183 | 0.839169 | 1 |
| Q9CQM9;A0A1B0G  | Glutaredoxin-3                       | Glr3           | 25.0599 | 25.4438 | 11 | 37.778 | 50.966 | 26  | 0.54026  | 1 |
| Q9CQW1          | Synaptobrevin homolog YKT6           | Ykt6           | 24.6721 | 24.7065 | 11 | 22.314 | 68.621 | 58  | 0.982939 | 1 |
| Q9CQX2;Q3TN44;C | Cytochrome b5 type B                 | Cyb5b          | 27.4899 | 27.487  | 7  | 16.318 | 258.49 | 127 | 0.998261 | 1 |
| Q9CQX8;Q9D6T9   | 28S ribosomal protein S36, mitoch    | Mrps36         | 24.7948 | 26.0439 | 2  | 11.101 | 24.753 | 25  | 0.443878 | 1 |
| Q9CQZ5          | NADH dehydrogenase [ubiquinone]      | Ndufa6         | 27.5776 | 28.1114 | 8  | 15.283 | 61.517 | 126 | 0.655136 | 1 |
| Q9D6H6;Q9CQZ6   | NADH dehydrogenase [ubiquinone]      | Ndufb3         | 25.3227 | 25.6712 | 3  | 11.691 | 11.099 | 41  | 0.840183 | 1 |
| Q9CR09;M0QWS4   | Ubiquitin-fold modifier-conjugating  | Ufc1           | 24.4621 | 24.391  | 5  | 19.481 | 12.468 | 29  | 0.963229 | 1 |
| Q9CR16;Q3UB60   | Peptidyl-prolyl cis-trans isomerase  | Ppid           | 27.5591 | 28.2101 | 12 | 40.742 | 43.89  | 126 | 0.057193 | 1 |
| Q9CWK0;Q9CR57;C | 60S ribosomal protein L14            | Rpl14;Rpl14-ps | 22.894  | 25.1096 | 3  | 26.316 | 13.203 | 30  | 0.11351  | 1 |
| Q9CR61          | NADH dehydrogenase [ubiquinone]      | Ndufb7         | 27.359  | 26.9914 | 10 | 16.331 | 95.868 | 127 | 0.59177  | 1 |
| Q9CR68          | Cytochrome b-c1 complex subunit      | Uqcrfs1        | 30.1258 | 30.4616 | 14 | 29.367 | 144.46 | 291 | 0.752392 | 1 |
| Q9CRB6;Q1JPR8   | Tubulin polymerization-promoting     | Tppp3          | 27.8529 | 26.4644 | 7  | 18.965 | 113.68 | 60  | 0.448348 | 1 |
| Q9CRB9;Q91VG6;C | MICOS complex subunit                | Mic19          | 27.741  | 28.7594 | 14 | 26.334 | 100.74 | 114 | 0.071126 | 1 |
| Q9CRD0;A0A0J9YU | OCIA domain-containing protein 1     | Ociad1         | 24.1507 | 24.2129 | 6  | 27.61  | 17.58  | 11  | 0.953055 | 1 |
| Q9CVB6;Q3UA52;C | Actin-related protein 2/3 complex    | Arpc2          | 30.0867 | 30.14   | 23 | 34.357 | 282.21 | 407 | 0.82375  | 1 |
| Q9CWE0;D6RCX5;L | Mitochondrial fission regulator 1-li | Mtfr1l         | 23.0534 | 24.354  | 4  | 31.726 | 12.995 | 20  | 0.100602 | 1 |
| Q9CWJ9          | Bifunctional purine biosynthesis pr  | Atic           | 27.1982 | 27.3418 | 18 | 64.217 | 104.63 | 68  | 0.377516 | 1 |
| Q9CWS0;D3YU15;C | N(G),N(G)-dimethylarginine dimethyl  | Ddah1          | 30.092  | 30.3032 | 22 | 31.381 | 243.42 | 399 | 0.26344  | 1 |
| Q9CWZ7;Q8C1T5;L | Gamma-soluble NSF attachment pr      | Napg           | 29.3084 | 29.873  | 18 | 34.732 | 262.28 | 304 | 0.192745 | 1 |
| Q9CX34          | Suppressor of G2 allele of SKP1 hor  | Sugt1          | 26.5972 | 26.2448 | 11 | 38.158 | 72.277 | 45  | 0.526026 | 1 |
| Q9CX86          | Heterogeneous nuclear ribonucleo     | Hnrnpa0        | 27.6708 | 27.9396 | 11 | 30.53  | 96.284 | 102 | 0.304352 | 1 |
| Q9CXW3;A0A0A6Y  | Calcyclin-binding protein            | Cacybp         | 26.202  | 26.9373 | 12 | 26.51  | 133.03 | 42  | 0.488813 | 1 |
| Q9CY27;Q9CWN2;C | Very-long-chain enoyl-CoA reducta    | Tecr           | 25.4924 | 24.9262 | 5  | 36.09  | 10.158 | 12  | 0.503689 | 1 |
| Q9CY64          | Biliverdin reductase A               | Blvra          | 25.2595 | 25.1778 | 6  | 33.524 | 18.891 | 31  | 0.788205 | 1 |

|                  |  |           |         |         |    |        |        |      |          |   |
|------------------|--|-----------|---------|---------|----|--------|--------|------|----------|---|
| Q9CYG7           | Mitochondrial import receptor sub Tomm34               |           | 23.6326 | 24.5641 | 7  | 34.278 | 16.647 | 10   | 0.252223 | 1 |
| Q9CYT6;Q8BKZ3;D  | Adenylyl cyclase-associated protein Cap2               |           | 29.2581 | 29.1275 | 21 | 52.861 | 295.16 | 222  | 0.711948 | 1 |
| Q9CZ30;Q3TJF2;Q3 | Obg-like ATPase 1                                      | Ola1      | 28.3716 | 28.3909 | 17 | 44.729 | 159.89 | 119  | 0.955436 | 1 |
| Q9CZC8;A0A0N4SV  | Secernin-1   | Scrn1     | 29.7044 | 29.7246 | 20 | 46.325 | 323.31 | 294  | 0.906809 | 1 |
| Q9CZD3           | Glycine--tRNA ligase                                   | Gars      | 25.8634 | 25.6857 | 13 | 81.877 | 139.92 | 42   | 0.837056 | 1 |
| Q9CZS1           | Aldehyde dehydrogenase X, mitochondrial                | Aldh1b1   | 26.6455 | 27.1041 | 17 | 57.552 | 86.759 | 65   | 0.04467  | 1 |
| Q9CZU6           | Citrate synthase, mitochondrial                        | Cs        | 32.2224 | 32.3046 | 23 | 51.736 | 323.31 | 1228 | 0.791674 | 1 |
| Q9D020           | Cytosolic 5-nucleotidase 3A                            | Nt5c3a    | 23.3947 | 23.5021 | 4  | 37.252 | 9.7758 | 8    | 0.470053 | 1 |
| Q9D023           | Mitochondrial pyruvate carrier 2                       | Mpc2      | 26.0323 | 26.0541 | 5  | 14.286 | 18.797 | 26   | 0.988381 | 1 |
| Q9D051           | Pyruvate dehydrogenase E1 component                    | Pdhb      | 30.4926 | 30.7332 | 16 | 38.937 | 323.31 | 839  | 0.533442 | 1 |
| Q9D0A3           | Arpin  | Arpin     | 23.5372 | 23.6991 | 3  | 25.193 | 7.0703 | 8    | 0.832705 | 1 |
| Q9D0I9;Q3UAZ3;Q  | Arginine--tRNA ligase, cytoplasmic                     | Rars      | 24.3603 | 24.5543 | 6  | 75.673 | 13.878 | 14   | 0.688193 | 1 |
| Q9D0K2;Q3UK61;C  | Succinyl-CoA:3-ketoacid coenzyme                       | Oxct1     | 30.5969 | 30.6617 | 23 | 55.988 | 323.31 | 372  | 0.628217 | 1 |
| Q9D0M3           | Cytochrome c1, heme protein, mitochondrial             | Cyc1      | 30.717  | 31.0836 | 14 | 35.327 | 323.31 | 532  | 0.206318 | 1 |
| Q9D0M5;D6RIN4    | Dynein light chain 2, cytoplasmic                      | Dynll2    | 28.4416 | 28.3958 | 7  | 10.35  | 47.675 | 169  | 0.892633 | 1 |
| Q9D154;Z4YK03;Q  | Leukocyte elastase inhibitor A                         | Serpinb1a | 25.6597 | 25.0559 | 9  | 42.574 | 35.169 | 24   | 0.380512 | 1 |
| Q9D164           | FXVD domain-containing ion transporter                 | Fxyd6     | 26.5877 | 26.3861 | 5  | 10.374 | 82.777 | 39   | 0.748838 | 1 |
| Q9D172           | ES1 protein homolog, mitochondrial                     | D10Jhu81e | 30.0567 | 30.2412 | 13 | 28.09  | 187.01 | 261  | 0.763716 | 1 |
| Q9D1A2;Q3TG71;C  | Cytosolic non-specific dipeptidase                     | Cndp2     | 27.9485 | 28.0096 | 23 | 52.767 | 120.42 | 125  | 0.660788 | 1 |
| Q9D1P4           | Cysteine and histidine-rich domain                     | Chordc1   | 24.5787 | 23.9904 | 3  | 37.35  | 10.529 | 11   | 0.564263 | 1 |
| Q9D273;D3Z1G7;Q  | Cob(II)yrinic acid a,c-diamide adenocobalamin          | Mmab      | 24.0766 | 23.3351 | 2  | 26.273 | 7.6792 | 5    | 0.174179 | 1 |
| Q9D2G2           | Dihydrolipoyllysine-residue succinyltransferase        | Dlst      | 29.4572 | 29.1792 | 12 | 48.994 | 215.87 | 357  | 0.229761 | 1 |
| Q9D2P8           | Myelin-associated oligodendrocyte myelin basic protein | Mobp      | 29.9572 | 30.6051 | 7  | 19.197 | 93.969 | 271  | 0.481508 | 1 |
| Q9D2V7           | Coronin-7  | Coro7     | 25.6515 | 24.0759 | 9  | 100.81 | 30.3   | 22   | 0.088703 | 1 |
| Q9D394;A0A0G2JF  | Protein RUFY3  | Rufy3     | 28.0452 | 27.993  | 19 | 53.006 | 98.667 | 120  | 0.619995 | 1 |
| Q9D3A9;A0A0U1RF  | Protein tweety homolog 1                               | Ttyh1     | 26.4525 | 26.7617 | 4  | 49.032 | 42.079 | 50   | 0.554205 | 1 |
| Q9D4C9           | Clavesin-1   | Clvs1     | 23.3058 | 24.2294 | 4  | 40.613 | 9.2474 | 20   | 0.393257 | 1 |
| Q9D6F9           | Tubulin beta-4A chain                                  | Tubb4a    | 32.2092 | 32.0455 | 30 | 49.585 | 323.31 | 747  | 0.597138 | 1 |
| Q9D6J5;Q3V406;F  | NADH dehydrogenase [ubiquinone]                        | Ndufb8    | 27.1501 | 27.8714 | 6  | 21.876 | 46.422 | 110  | 0.48512  | 1 |
| Q9D6J6           | NADH dehydrogenase [ubiquinone]                        | Ndufv2    | 28.4118 | 28.4084 | 9  | 27.285 | 196.22 | 241  | 0.99521  | 1 |
| Q9D6M3;E9PY45;E  | Mitochondrial glutamate carrier 1                      | Slc25a22  | 28.6381 | 29.1317 | 14 | 34.67  | 117.5  | 223  | 0.065409 | 1 |
| Q9D6R2           | Isocitrate dehydrogenase [NAD] subunit alpha           | Idh3a     | 31.9335 | 32.0503 | 22 | 39.638 | 323.31 | 1051 | 0.505789 | 1 |
| Q9D6U8           | Protein FAM162A  | Fam162a   | 24.6858 | 25.8179 | 5  | 17.725 | 24.655 | 27   | 0.577355 | 1 |

|                 |   |         |         |    |        |        |     |          |          |
|-----------------|---|---------|---------|----|--------|--------|-----|----------|----------|
| Q9D6Y7;A0A1B0G1 | Mitochondrial peptide methionine Msra           | 23.4358 | 23.4872 | 3  | 25.988 | 7.3284 | 5   | 0.90714  | 1        |
| Q9D7A8          | Armadillo repeat-containing protei Armc1        | 24.614  | 24.614  | 8  | 31.246 | 27.649 | 22  | 0.999961 | 0.999961 |
| Q9D898          | Actin-related protein 2/3 complex : Arpc5l      | 28.9456 | 29.1047 | 7  | 16.98  | 131.6  | 148 | 0.814827 | 1        |
| Q9D8W5;Q3TRH2;I | 26S proteasome non-ATPase reguli Psmc12         | 24.2243 | 25.0226 | 8  | 52.895 | 35.974 | 22  | 0.404686 | 1        |
| Q9D8W7;A0A0J9YI | OCIA domain-containing protein 2 Ociad2         | 23.9662 | 24.1591 | 5  | 16.925 | 14.85  | 25  | 0.837669 | 1        |
| Q9DAK9          | 14 kDa phosphohistidine phosphat Phpt1          | 24.4357 | 25.9193 | 4  | 13.996 | 8.8586 | 12  | 0.290382 | 1        |
| Q9DAR7;Q3TBW9   | m7GpppX diphosphatase Dcps                      | 25.3888 | 25.1412 | 7  | 38.988 | 38.083 | 23  | 0.615665 | 1        |
| Q9DB05;Q9CXX1   | Alpha-soluble NSF attachment prot Napa          | 28.0266 | 28.1805 | 22 | 33.189 | 188.43 | 245 | 0.764468 | 1        |
| Q9DB20;Q3TF25;Q | ATP synthase subunit O, mitochondri Atp5o       | 32.2756 | 32.2831 | 14 | 23.363 | 274.07 | 731 | 0.987877 | 1        |
| Q9DB27          | Malignant T-cell-amplified sequenc Mcts1        | 22.8452 | 24.914  | 3  | 20.555 | 7.5063 | 12  | 0.027645 | 1        |
| Q9DB34;A0A1B0G1 | Charged multivesicular body protei Chmp2a       | 23.0661 | 24.5216 | 3  | 25.134 | 8.3849 | 5   | 0.118346 | 1        |
| Q9DB60;B1AS14   | Prostamide/prostaglandin F synthase Fam213b     | 25.325  | 25.9871 | 6  | 21.67  | 19.754 | 26  | 0.179487 | 1        |
| Q9DB73;G3UZG6   | NADH-cytochrome b5 reductase 1 Cyb5r1           | 24.9816 | 24.9169 | 6  | 34.134 | 17.188 | 10  | 0.951136 | 1        |
| Q9DB77          | Cytochrome b-c1 complex subunit Uqcrc2          | 31.6313 | 31.5379 | 25 | 48.234 | 323.31 | 964 | 0.792601 | 1        |
| Q9DBE8          | Alpha-1,3/1,6-mannosyltransferase Alg2          | 24.5499 | 23.9834 | 5  | 47.404 | 12.906 | 10  | 0.265164 | 1        |
| Q9DBF1;G3UYR8   | Alpha-aminoadipic semialdehyde de Aldh7a1       | 28.0884 | 28.1025 | 17 | 58.861 | 195.21 | 154 | 0.92226  | 1        |
| Q9DBS2;B1AX95   | Tumor protein p63-regulated gene Tprg1;Tprgl    | 25.5027 | 25.313  | 9  | 29.814 | 52.723 | 27  | 0.855347 | 1        |
| Q9DC07          | LIM zinc-binding domain-containing; Nebf        | 27.0468 | 27.7813 | 15 | 31.113 | 56.656 | 59  | 0.204939 | 1        |
| Q9DC70          | NADH dehydrogenase [ubiquinone Ndufs7           | 28.538  | 29.1658 | 8  | 24.683 | 85.03  | 163 | 0.400855 | 1        |
| Q9DCC4          | Pyrroline-5-carboxylate reductase : Pycr1       | 24.5185 | 24.3924 | 3  | 28.721 | 17.627 | 11  | 0.900099 | 1        |
| Q9DCJ5          | NADH dehydrogenase [ubiquinone Ndufa8           | 30.224  | 30.5498 | 11 | 19.992 | 102.22 | 275 | 0.641245 | 1        |
| Q9DCL9          | Multifunctional protein ADE2;Phos Paics         | 25.3284 | 25.2555 | 12 | 47.006 | 121.15 | 28  | 0.957248 | 1        |
| Q9DCM0          | Persulfide dioxygenase ETHE1, mitochondri Ethe1 | 24.6302 | 25.0423 | 6  | 27.738 | 21.765 | 20  | 0.716333 | 1        |
| Q9DCN2;Q9CY59;F | NADH-cytochrome b5 reductase 3; Cyb5r3          | 27.4735 | 27.9652 | 15 | 34.127 | 89.901 | 104 | 0.436562 | 1        |
| Q9DCS3;A2A845   | Trans-2-enoyl-CoA reductase, mitochondri Mecr   | 25.398  | 24.6636 | 8  | 40.342 | 37.803 | 25  | 0.574868 | 1        |
| Q9DCS9;D3YUK4   | NADH dehydrogenase [ubiquinone Ndufb10          | 29.7806 | 29.6681 | 13 | 21.024 | 176.25 | 277 | 0.887392 | 1        |
| Q9DCT2          | NADH dehydrogenase [ubiquinone Ndufs3           | 30.0364 | 29.8592 | 19 | 30.149 | 269.55 | 530 | 0.517063 | 1        |
| Q9DCW4;A0A0U1R  | Electron transfer flavoprotein subunit Etfb     | 28.3726 | 28.9181 | 15 | 27.623 | 185.18 | 222 | 0.269343 | 1        |
| Q9DD18          | D-tyrosyl-tRNA(Tyr) deacylase 1 Dtd1            | 25.4486 | 23.6447 | 8  | 23.384 | 45.448 | 27  | 0.362811 | 1        |
| Q9EPK7;E9PUW7   | Exportin-7 Xpo7                                 | 25.1236 | 25.3292 | 12 | 123.81 | 27.768 | 20  | 0.755561 | 1        |
| Q9EPL8          | Importin-7 Ipo7                                 | 25.5972 | 26.0313 | 13 | 119.49 | 51.099 | 40  | 0.33973  | 1        |
| Q9EPN1          | Neurobeachin Nbea                               | 25.2225 | 25.9559 | 8  | 326.74 | 20.342 | 14  | 0.494641 | 1        |
| Q9EPU0          | Regulator of nonsense transcripts 1 Upf1        | 24.1461 | 25.4205 | 8  | 123.97 | 19.621 | 10  | 0.152344 | 1        |

|                  |   |             |         |         |     |        |        |      |          |   |
|------------------|---|-------------|---------|---------|-----|--------|--------|------|----------|---|
| Q9EQ20;Q8K0L1    | Methylmalonate-semialdehyde del Aldh6a1 |             | 28.7465 | 28.8066 | 24  | 57.915 | 323.31 | 205  | 0.67963  | 1 |
| Q9EQ80;Q3V2R8;D  | NIF3-like protein 1                     | Nif3l1      | 23.4679 | 24.8336 | 6   | 41.745 | 21.211 | 18   | 0.209952 | 1 |
| Q9EQF6           | Dihydropyrimidinase-related prote       | Dpysl5      | 29.8302 | 29.6563 | 26  | 61.516 | 323.31 | 266  | 0.583641 | 1 |
| Q9EQQ9;Q05CX1    | Protein O-GlcNAcase                     | Mgea5       | 26.0657 | 25.7706 | 8   | 103.16 | 40.575 | 17   | 0.671835 | 1 |
| Q9ER00;Q3TIL5;Q3 | Syntaxin-12                             | Stx12       | 26.6729 | 26.3635 | 9   | 31.195 | 55.965 | 38   | 0.416226 | 1 |
| Q9ERD7;Q9CRT0    | Tubulin beta-3 chain                    | Tubb3       | 32.9378 | 33.007  | 27  | 50.418 | 323.31 | 1496 | 0.427357 | 1 |
| Q9ERK4;E9Q1T9;E9 | Exportin-2                              | Cse1l       | 24.6834 | 26.1421 | 11  | 110.45 | 36.978 | 20   | 0.52936  | 1 |
| Q9ERS2           | NADH dehydrogenase [ubiquinone          | Ndufa13     | 28.7192 | 28.2886 | 8   | 16.859 | 43.381 | 260  | 0.67017  | 1 |
| Q9ES28;D3Z0V2;A  | Rho guanine nucleotide exchange f       | Arhgef7     | 24.3083 | 25.5177 | 6   | 97.055 | 18.284 | 7    | 0.235084 | 1 |
| Q9ES97;Q8C6L4    | Reticulon-3                             | Rtn3        | 28.955  | 29.1361 | 16  | 103.88 | 78.382 | 170  | 0.629814 | 1 |
| Q9ESJ4           | NCK-interacting protein with SH3 d      | Nckipsd     | 26.4658 | 26.7145 | 14  | 78.572 | 44.465 | 28   | 0.243176 | 1 |
| Q9ESW4           | Acylglycerol kinase, mitochondrial      | Agk         | 27.0218 | 27.2333 | 17  | 46.975 | 191.62 | 83   | 0.619998 | 1 |
| Q9JHI5           | Isovaleryl-CoA dehydrogenase, mit       | Ivd         | 26.2522 | 26.3908 | 13  | 46.325 | 68.878 | 42   | 0.640603 | 1 |
| Q9JHU4           | Cytoplasmic dynein 1 heavy chain 1      | Dync1h1     | 31.5588 | 31.5777 | 195 | 532.04 | 323.31 | 1365 | 0.968608 | 1 |
| Q9JHU9           | Inositol-3-phosphate synthase 1         | Isyna1      | 27.0571 | 27.2886 | 12  | 60.931 | 47.188 | 64   | 0.143792 | 1 |
| Q9JHW2           | Omega-amidase NIT2                      | Nit2        | 24.3443 | 25.3038 | 9   | 30.501 | 34.154 | 24   | 0.340902 | 1 |
| Q9JI91;Q8K3Q4;Q5 | Alpha-actinin-2                         | Actn2       | 30.2414 | 30.1629 | 58  | 103.83 | 323.31 | 564  | 0.563188 | 1 |
| Q9JIA1;A0A0G2JGE | Leucine-rich glioma-inactivated prc     | Lgi1        | 28.3832 | 28.4329 | 13  | 63.643 | 116.56 | 214  | 0.793982 | 1 |
| Q9JIF7           | Coatomer subunit beta                   | Copb1       | 25.6393 | 24.9637 | 9   | 107.06 | 51.136 | 22   | 0.539724 | 1 |
| Q9JIS5           | Synaptic vesicle glycoprotein 2A        | Sv2a        | 29.1032 | 29.4142 | 16  | 82.646 | 299.85 | 219  | 0.714299 | 1 |
| Q9JJA0;Q9WVL0    | Maleylacetoacetate isomerase            | Gstz1       | 24.7287 | 24.1462 | 2   | 15.865 | 9.9447 | 19   | 0.330393 | 1 |
| Q9JJV2;D3YWS3    | Profilin-2;Profilin                     | Pfn2        | 29.5869 | 29.9864 | 9   | 15.032 | 166.24 | 206  | 0.31305  | 1 |
| Q9JJY3           | Sphingomyelin phosphodiesterase         | Smpd3       | 26.0878 | 25.8653 | 8   | 71.196 | 26.522 | 24   | 0.58734  | 1 |
| Q9JKB1;Q8BWQ9;E  | Ubiquitin carboxyl-terminal hydroly     | Uchl3;Uchl4 | 24.764  | 25.3803 | 7   | 26.151 | 19.932 | 26   | 0.744661 | 1 |
| Q9JKC6           | Cell cycle exit and neuronal differ     | Cend1       | 32.5936 | 31.6429 | 12  | 14.987 | 248.36 | 146  | 0.237951 | 1 |
| Q9JKD3           | Secretory carrier-associated memb       | Scamp5      | 25.883  | 26.1031 | 3   | 26.068 | 16.962 | 65   | 0.871492 | 1 |
| Q9JKK7           | Tropomodulin-2                          | Tmod2       | 28.379  | 28.2491 | 21  | 39.51  | 323.31 | 203  | 0.795672 | 1 |
| Q9JKR6;Q8VCI2    | Hypoxia up-regulated protein 1          | Hyou1       | 28.0663 | 27.9245 | 27  | 111.18 | 216.98 | 88   | 0.515833 | 1 |
| Q9JM14;A2A9X5    | 5(3)-deoxyribonucleotidase, cytos       | Nt5c        | 26.7497 | 26.6708 | 7   | 23.076 | 40.629 | 42   | 0.90477  | 1 |
| Q9JM76;H7BWZ3;A  | Actin-related protein 2/3 complex       | Arpc3       | 28.2412 | 29.2705 | 8   | 20.524 | 46.745 | 176  | 0.233851 | 1 |
| Q9JME5           | AP-3 complex subunit beta-2             | Ap3b2       | 27.9357 | 27.9658 | 29  | 119.19 | 110.57 | 110  | 0.919434 | 1 |
| Q9JMH6           | Thioredoxin reductase 1, cytoplasm      | Txnrd1      | 26.3232 | 26.405  | 7   | 67.083 | 28.971 | 29   | 0.864656 | 1 |
| Q9QUG9           | RAS guanyl-releasing protein 2          | Rasgrp2     | 25.7401 | 24.9797 | 11  | 69.445 | 71.76  | 24   | 0.536668 | 1 |

|                  |                                    |                |         |         |    |        |        |     |          |   |
|------------------|------------------------------------|----------------|---------|---------|----|--------|--------|-----|----------|---|
| Q9QUM9;E0CXB1    | Proteasome subunit alpha type-6    | Psma6          | 28.0727 | 28.3291 | 11 | 27.372 | 58.551 | 132 | 0.42523  | 1 |
| Q9QUP5           | Hyaluronan and proteoglycan link   | Hapln1         | 27.7392 | 27.8025 | 14 | 40.477 | 145.84 | 128 | 0.830593 | 1 |
| Q9QXS6;Q3TRK3;A  | Drebrin                            | Dbn1           | 28.9691 | 28.9387 | 22 | 77.286 | 323.31 | 222 | 0.892891 | 1 |
| Q9QXY6;Q8R0V6    | EH domain-containing protein 3     | Ehd3           | 28.7625 | 28.6564 | 33 | 60.82  | 232.31 | 257 | 0.669325 | 1 |
| Q9QYG0           | Protein NDRG2                      | Ndrp2          | 30.4532 | 30.0555 | 15 | 40.789 | 323.31 | 455 | 0.414837 | 1 |
| Q9QYJ0;Q3TFF0    | DnaJ homolog subfamily A membe     | Dnaja2         | 27.2208 | 27.5097 | 18 | 45.745 | 171.71 | 91  | 0.637535 | 1 |
| Q9QYS2           | Metabotropic glutamate receptor    | Grm3           | 25.068  | 25.9262 | 8  | 99.113 | 29.835 | 35  | 0.479401 | 1 |
| Q9QYX7           | Protein piccolo                    | Pclo           | 28.6499 | 28.5659 | 55 | 550.83 | 302.49 | 151 | 0.787866 | 1 |
| Q9QZ83           | Gamma actin-like protein           | Actg1          | 30.5583 | 30.5372 | 25 | 43.6   | 323.31 | 686 | 0.977079 | 1 |
| Q9QZM0           | Ubiquilin-2                        | Ubqln2         | 26.7645 | 26.2788 | 9  | 67.35  | 143.27 | 58  | 0.292971 | 1 |
| Q9QZQ8           | Core histone macro-H2A.1           | H2afy          | 26.4909 | 26.2049 | 11 | 39.735 | 51.38  | 59  | 0.765248 | 1 |
| Q9QZX7           | Serine racemase                    | Srr            | 28.843  | 28.7917 | 12 | 36.358 | 172.87 | 127 | 0.887921 | 1 |
| Q9R0P9;Q3TCH2;I7 | Ubiquitin carboxyl-terminal hydrok | Uchl1          | 32.2469 | 32.2754 | 16 | 24.838 | 323.31 | 560 | 0.932927 | 1 |
| Q9R0Q6;A0A0G2JF  | Actin-related protein 2/3 complex  | Arpc1a         | 29.1993 | 29.1826 | 17 | 41.626 | 179.36 | 274 | 0.965296 | 1 |
| Q9R0X4;Q32MW3    | Acyl-coenzyme A thioesterase 9, m  | Acot9;Acot10   | 24.1627 | 24.8632 | 12 | 50.56  | 31.315 | 15  | 0.61723  | 1 |
| Q9R0Y5           | Adenylate kinase isoenzyme 1       | Ak1            | 30.3761 | 30.3576 | 14 | 21.539 | 309.55 | 309 | 0.974791 | 1 |
| Q9R1P0;Q3TL95;Q: | Proteasome subunit alpha type-4;F  | Psma4          | 26.7989 | 27.1909 | 14 | 29.47  | 64.184 | 56  | 0.451625 | 1 |
| Q9R1P3;Q8BJX0    | Proteasome subunit beta type-2;Pr  | Psmb2          | 26.5893 | 27.2844 | 14 | 22.906 | 71.541 | 113 | 0.390092 | 1 |
| Q9R1Q8;Q9D6K2    | Transgelin-3;Transgelin            | Tagln3         | 30.4911 | 30.6782 | 18 | 22.47  | 219.31 | 466 | 0.66037  | 1 |
| Q9R1T4;Q3UUU4    | Septin-6                           | Sept6          | 29.3625 | 29.3782 | 26 | 49.619 | 323.31 | 177 | 0.961693 | 1 |
| Q9WTL7           | Acyl-protein thioesterase 2        | Lypla2         | 26.9868 | 25.7691 | 8  | 24.794 | 158.38 | 59  | 0.470746 | 1 |
| Q9WTP7;Q9D8W6    | GTP:AMP phosphotransferase AK3     | Ak3            | 27.6695 | 28.1643 | 17 | 25.426 | 70.6   | 124 | 0.346761 | 1 |
| Q9WUB3;E9PUM3    | Glycogen phosphorylase, muscle fc  | Pygm           | 26.2455 | 26.3055 | 30 | 97.285 | 57.47  | 46  | 0.891469 | 1 |
| Q9WUM5           | Succinyl-CoA ligase [ADP/GDP-forn  | Suclg1         | 30.5379 | 30.5042 | 15 | 36.154 | 292.52 | 414 | 0.529992 | 1 |
| Q9WV02;A2AFI3;A: | RNA-binding motif protein, X chror | RbmX           | 27.8037 | 28.0028 | 16 | 42.3   | 100.62 | 66  | 0.650246 | 1 |
| Q9WV34           | MAGUK p55 subfamily member 2       | Mpp2           | 27.0492 | 27.0688 | 18 | 61.554 | 99.989 | 73  | 0.898342 | 1 |
| Q9WV55           | Vesicle-associated membrane prot   | Vapa           | 29.4418 | 29.9186 | 11 | 27.855 | 104.17 | 240 | 0.335013 | 1 |
| Q9WVA4           | Transgelin-2                       | Tagln2         | 25.4311 | 24.2424 | 5  | 22.395 | 8.2667 | 6   | 0.244572 | 1 |
| Q9Z0E0           | Neurochondrin                      | Ncdn           | 30.9516 | 31.0488 | 32 | 78.894 | 323.31 | 873 | 0.493069 | 1 |
| Q9Z0G0           | PDZ domain-containing protein GIF  | Gipc1          | 24.6996 | 24.7586 | 6  | 36.129 | 17.968 | 19  | 0.925184 | 1 |
| Q9Z0H8;Q6A090    | CAP-Gly domain-containing linker   | Clip2;mKIAA029 | 25.7941 | 26.1901 | 18 | 115.91 | 64.29  | 39  | 0.774449 | 1 |
| Q9Z0P5           | Twinfilin-2                        | Twf2           | 24.9677 | 25.4574 | 8  | 39.47  | 110.29 | 29  | 0.709149 | 1 |
| Q9Z0Y1;E9Q919    | Dynactin subunit 3                 | Dctn3          | 23.5103 | 26.1149 | 11 | 20.978 | 42.082 | 54  | 0.263342 | 1 |

|   |   |         |         |         |        |        |        |          |          |   |
|---|---|---------|---------|---------|--------|--------|--------|----------|----------|---|
| Q9Z140;Q3UYN2;Q Copine-6  | Cpne6   | 26.1488 | 26.1674 | 12      | 61.78  | 70.506 | 48     | 0.956689 | 1        |   |
| Q9Z1B3;Q2M4J2;Q 1-phosphatidylinositol 4,5-bisphosphate 3-kinase class I beta | Plcb1;mKIAA051                                    | 30.2973 | 30.1277 | 55      | 138.39 | 323.31 | 515    | 0.542222 | 1        |   |
| Q9Z1G3;Q3TG21;Q V-type proton ATPase subunit C 1                              | Atp6v1c1  | 29.8677 | 29.9599 | 33      | 43.887 | 323.31 | 461    | 0.374621 | 1        |   |
| Q9Z1L5  | Voltage-dependent calcium channel subunit delta 3 | 26.7577 | 26.6918 | 14      | 122.78 | 158.55 | 41     | 0.652667 | 1        |   |
| Q9Z1N5;Q3TB18;Q Spliceosome RNA helicase Ddx39b                               | Ddx39b;Ddx39b;Ddx39b                              | 27.1376 | 27.0474 | 12      | 49.035 | 71.521 | 97     | 0.792569 | 1        |   |
| Q9Z1P6;A0A068BG NADH dehydrogenase [ubiquinone]                               | Ndufa7  | 27.6229 | 28.1667 | 12      | 12.575 | 41.309 | 77     | 0.526852 | 1        |   |
| Q9Z1S5;Q5DTK0   | Neuronal-specific septin-3                        | Sept3   | 30.3491 | 30.5329 | 16     | 40.037 | 291.56 | 348      | 0.544057 | 1 |
| Q9Z1Z0  | General vesicular transport factor gamma          | Uso1    | 25.2342 | 25.3696 | 10     | 106.98 | 26.066 | 13       | 0.63701  | 1 |
| Q9Z268  | RasGAP-activating-like protein 1                  | Rasal1  | 26.6695 | 26.0784 | 19     | 89.394 | 135.23 | 49       | 0.512449 | 1 |
| Q9Z2D6  | Methyl-CpG-binding protein 2                      | Mecp2   | 26.528  | 26.5891 | 10     | 52.307 | 49.637 | 44       | 0.813202 | 1 |
| Q9Z2I0  | LETM1 and EF-hand domain-containing protein 1     | Letm1   | 28.1056 | 28.2324 | 24     | 82.988 | 323.31 | 162      | 0.866917 | 1 |
| Q9Z2Q6;B7ZNM7;C Septin-5  | Sept5   | 31.4806 | 31.3382 | 28      | 42.747 | 323.31 | 925    | 0.323622 | 1        |   |
| Q9Z2Y3;D3Z6A7;E9 Homer protein homolog 1                                      | Homer1  | 28.9315 | 29.0728 | 25      | 41.412 | 274.94 | 206    | 0.527956 | 1        |   |
| S4R197  | cAMP and cAMP-inhibited cGMP 3-phosphodiesterase  | Pde10a  | 25.1894 | 25.7392 | 7      | 17.22  | 19.489 | 28       | 0.131845 | 1 |
| S4R2F3  | Ankyrin-2   | Ank2    | 30.9778 | 31.0489 | 101    | 429.1  | 323.31 | 870      | 0.511542 | 1 |
| V9GWV1;V9GXM1;ADP-ribosylation factor GTPase-actin                            | Arfgap1   | 25.3449 | 25.7502 | 7       | 44.207 | 27.025 | 29     | 0.045883 | 1        |   |
| W6PPR4;W6PPA1;C Ankyrin-3   | Ank3  | 27.714  | 27.5494 | 40      | 473.78 | 197.05 | 65     | 0.791303 | 1        |   |