**Table S2: Proteins Identified in Isolated Axonal Growth Cones.**
(Mol W, molecular weight; GCP, isolated growth cones, Bkgd, background; Net GCP = gross GCP minus background, shown as ≥ 0).

| #20090521_Pfenninger_Scaffold_03, Samples Report created on 06/10/2010 | | | | ----- Number of identifying spectra ----- | | | | |
|---|---|---|---|---|---|---|---|---|
| **#** | **Identified Proteins (2130)** | **Accession Number** | **Mol W** | **Gross GCP** | **Control** | **Laminin** | **Bkgd** | **Net GCP** |
| 1 | tubulin, alpha 1 [Mus musculus], gi\|11560133\|ref\|NP_071634.1\| tubulin, alpha 1A [Rattus norvegicus], gi\|17986283\|ref\|NP_006000.2\| tubulin, alpha 1a [Homo sapiens], gi\|148727361\|ref\|NP_001092014.1\| tubulin, alpha 1a [Pan troglodytes], gi\|57106374\|ref\|XP_53 | gi\|6755901 | 50 | 7148 | 1596 | 1553 | 2056 | 5092 |
| 2 | tubulin T beta15 | gi\|224839 | 50 | 5263 | 1505 | 1063 | 1537 | 3726 |
| 3 | actin, gamma 1 propeptide [Homo sapiens], gi\|6752954\|ref\|NP_033739.1\| actin, gamma, cytoplasmic 1 [Mus musculus], gi\|75812932\|ref\|NP_001028790.1\| actin, gamma 1 [Bos taurus], gi\|147901470\|ref\|NP_001091279.1\| hypothetical protein LOC100037088 [Xenopus laev | gi\|4501887 | 42 | 3206 | 1109 | 849 | 1198 | 2008 |
| 4 | microtubule-associated protein 1b, isoform CRA_a [Rattus norvegicus] | gi\|149059169 | 256 | 3130 | 414 | 692 | 822 | 2308 |
| 5 | dihydropyrimidinase-like 2 [Mus musculus], gi\|157786744\|ref\|NP_001099187.1\| dihydropyrimidinase-like 2 [Rattus norvegicus], gi\|1351260\|sp\|P47942.1\|DPYL2_RAT RecName: Full=Dihydropyrimidinase-related protein 2; Short=DRP-2; AltName: Full=Turned on after di | gi\|40254595 | 62 | 3069 | 499 | 570 | 727 | 2342 |
| 6 | cytoplasmic dynein 1 heavy chain 1 [Rattus norvegicus], gi\|294543\|gb\|AAA41103.1\| dynein heavy chain, gi\|149044126\|gb\|EDL97508.1\| rCG27764, isoform CRA_a [Rattus norvegicus] | gi\|148491097 | 532 | 2434 | 172 | 831 | 885 | 1549 |
| 7 | RecName: Full=Fatty acid synthase; Includes: RecName: Full=[Acyl-carrier-protein] S-acetyltransferase; Includes: RecName: Full=[Acyl-carrier-protein] S-malonyltransferase; Includes: RecName: Full=3-oxoacyl-[acyl-carrier-protein] synthase; Includes: RecNam | gi\|2506136 | 273 | 2159 | 435 | 528 | 665 | 1494 |
| 8 | heat shock protein 90, alpha (cytosolic), class A member 1 [Rattus norvegicus], gi\|122065208\|sp\|P82995.3\|HS90A_RAT RecName: Full=Heat shock protein HSP 90-alpha; AltName: Full=HSP 86, gi\|14270366\|emb\|CAC39453.1\| heat shock protein 86 [Rattus norvegicus], | gi\|28467005 | 85 | 1575 | 384 | 305 | 426 | 1149 |
| 9 | ubiquitin-activating enzyme E1 [Rattus norvegicus], gi\|81889667\|sp\|Q5U300.1\|UBA1_RAT RecName: Full=Ubiquitin-like modifier-activating enzyme 1; AltName: Full=Ubiquitin-activating enzyme E1, gi\|55250575\|gb\|AAH85791.1\| Ubiquitin-like modifier activating enz | gi\|62078893 | 118 | 1549 | 472 | 320 | 469 | 1080 |
| 10 | collapsin response mediator protein | gi\|1518520 (+1) | 62 | 1470 | 229 | 347 | 419 | 1051 |
| 11 | tubulin, beta 5 [Mus musculus], gi\|27465535\|ref\|NP_775125.1\| tubulin, beta 5 [Rattus norvegicus], gi\|29788785\|ref\|NP_821133.1\| tubulin, beta [Homo sapiens], gi\|45384338\|ref\|NP_990646.1\| tubulin, beta 2 [Gallus gallus], gi\|74136187\|ref\|NP_001027985.1\| tubu | gi\|7106439 | 50 | 1398 | 351 | 351 | 462 | 936 |
| 12 | TUC-4b [Rattus norvegicus], gi\|149017450\|gb\|EDL76501.1\| dihydropyrimidinase-like 3, isoform CRA_d [Rattus norvegicus] | gi\|21666559 | 74 | 1436 | 214 | 242 | 309 | 1127 |
| 13 | glyceraldehyde-3-phosphate dehydrogenase [Rattus norvegicus], gi\|109475159\|ref\|XP_001062726.1\| PREDICTED: similar to glyceraldehyde-3-phosphate dehydrogenase [Rattus norvegicus], gi\|109476813\|ref\|XP_001059327.1\| PREDICTED: similar to glyceraldehyde-3-phos | gi\|8393418 | 36 | 1487 | 221 | 252 | 322 | 1165 |
| 14 | tubulin, beta 3 [Mus musculus], gi\|145966774\|ref\|NP_640347.2\| tubulin, beta 3 [Rattus norvegicus], gi\|20455323\|sp\|Q9ERD7.1\|TBB3_MOUSE RecName: Full=Tubulin beta-3 chain, gi\|81918226\|sp\|Q4QRB4.1\|TBB3_RAT RecName: Full=Tubulin beta-3 chain; AltName: Full=Ne | gi\|12963615 | 50 | 1229 | 292 | 264 | 356 | 873 |
| 15 | valosin-containing protein [Rattus norvegicus], gi\|1174637\|sp\|P46462.3\|TERA_RAT RecName: Full=Transitional endoplasmic reticulum ATPase; Short=TER ATPase; AltName: Full=15S Mg(2+)-ATPase p97 subunit; AltName: Full=Valosin-containing protein; Short=VCP, gi | gi\|17865351 | 89 | 1316 | 213 | 84 | 151 | 1165 |
| 16 | eukaryotic translation elongation factor 1 alpha 1 [Rattus norvegicus], gi\|126032329\|ref\|NP_034236.2\| eukaryotic translation elongation factor 1 alpha 1 [Mus musculus], gi\|50402095\|sp\|P62630.1\|EF1A1_RAT RecName: Full=Elongation factor 1-alpha 1; Short=EF- | gi\|28460696 | 50 | 1103 | 210 | 285 | 351 | 752 |
| 17 | RecName: Full=Creatine kinase B-type; AltName: Full=Creatine kinase B chain; AltName: Full=B-CK, gi\|127798304\|gb\|AAH65307.2\| Creatine kinase, brain [Rattus norvegicus], gi\|127799192\|gb\|AAH70955.2\| Creatine kinase, brain [Rattus norvegicus], gi\|127800417\|g | gi\|122065316 | 43 | 1148 | 261 | 187 | 269 | 879 |
| 18 | clathrin, heavy chain (Hc) [Rattus norvegicus], gi\|116514\|sp\|P11442.3\|CLH_RAT RecName: Full=Clathrin heavy chain 1, gi\|203302\|gb\|AAA40874.1\| clathrin heavy chain | gi\|9506497 | 192 | 1055 | 288 | 259 | 350 | 705 |
| 19 | tyrosine 3/tryptophan 5 -monooxygenase activation protein, epsilon polypeptide [Homo sapiens], gi\|27806197\|ref\|NP_776916.1\| tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide [Bos taurus], gi\|55741616\|ref\|NP_001006 | gi\|5803225 | 29 | 890 | 272 | 73 | 159 | 731 |
| 20 | eukaryotic translation elongation factor 2 [Rattus norvegicus], gi\|119176\|sp\|P05197.4\|EF2_RAT RecName: Full=Elongation factor 2; Short=EF-2, gi\|56082\|emb\|CAA68805.1\| unnamed protein product [Rattus norvegicus], gi\|44890252\|gb\|AAH66661.1\| Eukaryotic transl | gi\|8393296 | 95 | 943 | 221 | 104 | 174 | 769 |
| 21 | chaperonin containing TCP1, subunit 2 (beta) [Rattus norvegicus], gi\|81910374\|sp\|Q5XIM9.3\|TCPB_RAT RecName: Full=T-complex protein 1 subunit beta; Short=TCP-1-beta; AltName: Full=CCT-beta, gi\|53733839\|gb\|AAH83650.1\| Chaperonin containing TCP1, subunit 2 ( | gi\|54400730 | 57 | 1008 | 59 | 229 | 248 | 760 |
| 22 | myosin, heavy polypeptide 10, non-muscle, isoform CRA_b [Rattus norvegicus] | gi\|149052999 | 229 | 772 | 222 | 199 | 269 | 503 |
| 23 | dihydropyrimidinase-like 5 [Rattus norvegicus], gi\|20137606\|sp\|Q9JHU0.1\|DPYL5_RAT RecName: Full=Dihydropyrimidinase-related protein 5; Short=DRP-5; AltName: Full=ULIP6 protein, gi\|8671360\|emb\|CAB95193.1\| Ulip-like protein [Rattus norvegicus], gi\|149050805 | gi\|12711692 | 62 | 802 | 99 | 122 | 153 | 649 |
| 24 | heat shock protein 1, beta [Mus musculus], gi\|148747365\|ref\|NP_001004082.3\| heat shock protein 90kDa alpha (cytosolic), class B member 1 [Rattus norvegicus], gi\|122065211\|sp\|P34058.4\|HS90B_RAT RecName: Full=Heat shock protein HSP 90-beta; AltName: Full=HS | gi\|40556608 (+1) | 83 | 680 | 225 | 153 | 224 | 456 |
| 25 | neural cell adhesion molecule 1, isoform CRA_a [Rattus norvegicus] | gi\|149041605 | 108 | 871 | 85 | 79 | 106 | 765 |
| 26 | t-complex 1 [Rattus norvegicus], gi\|135539\|sp\|P28480.1\|TCPA_RAT RecName: Full=T-complex protein 1 subunit alpha; Short=TCP-1-alpha; AltName: Full=CCT-alpha, gi\|220915\|dbj\|BAA14357.1\| t complex polypeptide 1 [Rattus norvegicus], gi\|149027451\|gb\|EDL83041.1\| | gi\|6981642 | 60 | 850 | 28 | 186 | 195 | 655 |
| 27 | microtubule-associated protein 2, isoform CRA_b [Rattus norvegicus], gi\|149016021\|gb\|EDL75302.1\| microtubule-associated protein 2, isoform CRA_b [Rattus norvegicus] | gi\|149016020 | 198 | 507 | 345 | 125 | 234 | 273 |
| 28 | chaperonin containing Tcp1, subunit 6A (zeta 1) [Rattus norvegicus], gi\|75773247\|gb\|AAI04704.1\| Chaperonin containing Tcp1, subunit 6A (zeta 1) [Rattus norvegicus], gi\|149063164\|gb\|EDM13487.1\| chaperonin subunit 6a (zeta) [Rattus norvegicus] | gi\|76253725 | 58 | 753 | 32 | 164 | 174 | 579 |
| 29 | chaperonin containing Tcp1, subunit 7 (eta) [Rattus norvegicus], gi\|149036575\|gb\|EDL91193.1\| rCG55994, isoform CRA_c [Rattus norvegicus] | gi\|157819651 | 60 | 718 | 26 | 147 | 155 | 563 |
| 30 | chaperonin containing TCP1, subunit 5 (epsilon) [Rattus norvegicus], gi\|81910761\|sp\|Q68FQ0.1\|TCPE_RAT RecName: Full=T-complex protein 1 subunit epsilon; Short=TCP-1-epsilon; AltName: Full=CCT-epsilon, gi\|51260037\|gb\|AAH79441.1\| Chaperonin containing Tcp1, | gi\|51890219 | 60 | 702 | 33 | 172 | 182 | 520 |
| 31 | heat shock protein 8 [Rattus norvegicus], gi\|31981690\|ref\|NP_112442.2\| heat shock protein 8 [Mus musculus], gi\|148234651\|ref\|NP_001091238.1\| hypothetical protein LOC100037033 [Xenopus laevis], gi\|51702273\|sp\|P63018.1\|HSP7C_RAT RecName: Full=Heat shock cog | gi\|13242237 (+1) | 71 | 641 | 212 | 37 | 104 | 537 |
| 32 | alpha-fetoprotein, isoform CRA_a [Rattus norvegicus] | gi\|149033755 | 68 | 212 | 621 | 4 | 200 | 12 |
| 33 | GDP dissociation inhibitor 1 [Rattus norvegicus], gi\|1707888\|sp\|P50398.1\|GDIA_RAT RecName: Full=Rab GDP dissociation inhibitor alpha; Short=Rab GDI alpha; AltName: Full=Guanosine diphosphate dissociation inhibitor 1; Short=GDI-1, gi\|71122463\|gb\|AAH99763.1 | gi\|71534276 | 51 | 606 | 220 | 64 | 133 | 473 |
| 34 | alpha isoform of regulatory subunit A, protein phosphatase 2 [Mus musculus], gi\|47522870\|ref\|NP_999189.1\| alpha isoform of regulatory subunit A, protein phosphatase 2 [Sus scrofa], gi\|55926139\|ref\|NP_476481.1\| alpha isoform of regulatory subunit A, protei | gi\|8394027 | 65 | 557 | 68 | 133 | 154 | 403 |
| 35 | chaperonin subunit 4 (delta) [Rattus norvegicus], gi\|52000745\|sp\|Q7TPB1.3\|TCPD_RAT RecName: Full=T-complex protein 1 subunit delta; Short=TCP-1-delta; AltName: Full=CCT-delta, gi\|33149357\|gb\|AAP46161.1\| chaperonin delta subunit [Rattus norvegicus], gi\|509 | gi\|33414505 | 58 | 543 | 32 | 156 | 166 | 377 |
| 36 | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide [Mus musculus], gi\|62990183\|ref\|NP_037143.2\| tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide [Rattus norvegicus], gi\|52000883 | gi\|6756041 | 28 | 546 | 157 | 63 | 112 | 434 |
| 37 | PREDICTED: similar to RAN binding protein 5 [Rattus norvegicus], gi\|109502869\|ref\|XP_001075101.1\| PREDICTED: similar to RAN binding protein 5 [Rattus norvegicus] | gi\|109502015 | 124 | 518 | 135 | 106 | 149 | 369 |
| 38 | proteasome (prosome, macropain) 26S subunit, non-ATPase, 1, isoform CRA_a [Rattus norvegicus] | gi\|149016321 | 106 | 555 | 13 | 152 | 156 | 399 |
| 39 | GDP dissociation inhibitor 2 [Rattus norvegicus], gi\|116089273\|ref\|NP_032138.3\| guanosine diphosphate (GDP) dissociation inhibitor 2 [Mus musculus], gi\|13626886\|sp\|Q61598.1\|GDIB_MOUSE RecName: Full=Rab GDP dissociation inhibitor beta; Short=Rab GDI beta; | gi\|40254781 | 51 | 510 | 205 | 25 | 90 | 420 |
| 40 | karyopherin (importin) beta 1 [Rattus norvegicus], gi\|1708485\|sp\|P52296.1\|IMB1_RAT RecName: Full=Importin subunit beta-1; AltName: Full=Karyopherin subunit beta-1; AltName: Full=Nuclear factor P97, gi\|712839\|gb\|AAC42047.1\| karyopherin beta, gi\|1095175\|prf | gi\|8393610 | 97 | 549 | 106 | 42 | 75 | 474 |
| 41 | RecName: Full=Transketolase; Short=TK | gi\|1729977 | 68 | 518 | 101 | 95 | 127 | 391 |
| 42 | chaperonin containing TCP1, subunit 3 (gamma) [Rattus norvegicus], gi\|81911258\|sp\|Q6P502.1\|TCPG_RAT RecName: Full=T-complex protein 1 subunit gamma; Short=TCP-1-gamma; AltName: Full=CCT-gamma, gi\|38969850\|gb\|AAH63178.1\| Chaperonin containing Tcp1, subunit | gi\|40018616 | 61 | 574 | 20 | 85 | 91 | 483 |
| 43 | rCG45607, isoform CRA_a [Rattus norvegicus] | gi\|149039134 | 289 | 456 | 116 | 95 | 132 | 324 |
| 44 | tubulin, alpha 1B [Mus musculus], gi\|57013276\|ref\|NP_006073.2\| tubulin, alpha, ubiquitous [Homo sapiens], gi\|112984124\|ref\|NP_001037735.1\| tubulin, alpha 1B [Rattus norvegicus], gi\|113205626\|ref\|NP_001038009.1\| tubulin alpha [Sus scrofa], gi\|166796019\|ref | gi\|34740335 | 50 | 460 | 81 | 140 | 166 | 294 |
| 45 | tubulin, beta 4 [Homo sapiens], gi\|31981939\|ref\|NP_033477.2\| tubulin, beta 4 [Mus musculus], gi\|77736339\|ref\|NP_001029869.1\| tubulin, beta 4 [Bos taurus], gi\|158262004\|ref\|NP_543158.1\| tubulin, beta 4 [Rattus norvegicus], gi\|75075849\|sp\|Q4R4X8.1\|TBB4_MACF | gi\|21361322 | 50 | 436 | 88 | 145 | 173 | 263 |
| 46 | ubiquitin carboxyl-terminal esterase L1 [Rattus norvegicus], gi\|188219614\|ref\|NP_035800.2\| ubiquitin carboxyl-terminal esterase L1 [Mus musculus], gi\|18203410\|sp\|Q9R0P9.1\|UCHL1_MOUSE RecName: Full=Ubiquitin carboxyl-terminal hydrolase isozyme L1; Short=UC | gi\|61098212 | 25 | 405 | 107 | 11 | 45 | 360 |
| 47 | PREDICTED: similar to Protein neurobeachin (Lysosomal trafficking regulator 2) [Rattus norvegicus] | gi\|109466685 | 327 | 330 | 111 | 104 | 139 | 191 |
| 48 | triosephosphate isomerase 1 [Rattus norvegicus], gi\|124056485\|sp\|P48500.2\|TPIS_RAT RecName: Full=Triosephosphate isomerase; Short=TIM; AltName: Full=Triose-phosphate isomerase, gi\|117558438\|gb\|AAI26088.1\| Triosephosphate isomerase 1 [Rattus norvegicus] | gi\|117935064 (+2) | 27 | 393 | 131 | 54 | 95 | 298 |
| 49 | proteasome (prosome, macropain) 26S subunit, non-ATPase, 2 [Rattus norvegicus], gi\|123785726\|sp\|Q4FZT9.1\|PSMD2_RAT RecName: Full=26S proteasome non-ATPase regulatory subunit 2, gi\|71051911\|gb\|AAH99135.1\| Proteasome (prosome, macropain) 26S subunit, non-AT | gi\|72255509 | 100 | 403 | 27 | 110 | 119 | 284 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 50 | heat shock protein 4 [Rattus norvegicus], gi\|81886881\|sp\|O88600.1\|HSP74_RAT RecName: Full=Heat shock 70 kDa protein 4; AltName: Full=Ischemia responsive 94 kDa protein, gi\|3360521\|gb\|AAC27937.1\| ischemia responsive 94 kDa protein [Rattus norvegicus] | gi\|24025637 | 94 | 368 | 145 | 31 | 77 | 291 |
| 51 | M2 pyruvate kinase [Rattus norvegicus], gi\|149041863\|gb\|EDL95704.1\| rCG57843, isoform CRA_a [Rattus norvegicus] | gi\|206205 | 58 | 427 | 92 | 20 | 49 | 378 |
| 52 | glucose phosphate isomerase [Rattus norvegicus], gi\|81892272\|sp\|Q6P6V0.1\|G6PI_RAT RecName: Full=Glucose-6-phosphate isomerase; Short=GPI; AltName: Full=Phosphoglucose isomerase; Short=PGI; AltName: Full=Phosphohexose isomerase; Short=PHI; AltName: Full=Au | gi\|46485440 | 63 | 386 | 89 | 58 | 86 | 300 |
| 53 | albumin [Rattus norvegicus], gi\|55391508\|gb\|AAH85359.1\| Albumin [Rattus norvegicus] | gi\|158138568 | 69 | 115 | 400 | 0 | 126 | 0 |
| 54 | chaperonin subunit 8 (theta) (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149059759 | 60 | 455 | 21 | 67 | 74 | 381 |
| 55 | reticulon 4 [Rattus norvegicus], gi\|17367410\|sp\|Q9JK11.1\|RTN4_RAT RecName: Full=Reticulon-4; AltName: Full=Neurite outgrowth inhibitor; Short=Nogo protein; AltName: Full=Foocen; AltName: Full=Glut4 vesicle 20 kDa protein, gi\|6822247\|emb\|CAB71027.1\| Nogo-A | gi\|13929188 | 126 | 388 | 33 | 78 | 88 | 300 |
| 56 | ATP citrate lyase isoform 2 [Rattus norvegicus], gi\|149054226\|gb\|EDM06043.1\| ATP citrate lyase, isoform CRA_b [Rattus norvegicus] | gi\|161760632 (+1) | 120 | 372 | 54 | 78 | 95 | 277 |
| 57 | keratin 10 [Rattus norvegicus], gi\|81891690\|sp\|Q6IFW6.1\|K1C10_RAT RecName: Full=Keratin, type I cytoskeletal 10; AltName: Full=Cytokeratin-10; Short=CK-10; AltName: Full=Keratin-10; Short=K10; AltName: Full=Type I keratin Ka10, gi\|46485058\|tpg\|DAA04466.1\| | gi\|57012436 | 57 | 286 | 151 | 22 | 70 | 216 |
| 58 | guanine nucleotide-binding protein, beta-1 subunit [Mus musculus], gi\|11321585\|ref\|NP_002065.1\| guanine nucleotide-binding protein, beta-1 subunit [Homo sapiens], gi\|50979020\|ref\|NP_001003236.1\| guanine nucleotide-binding protein, beta-1 subunit [Canis lu | gi\|6680045 | 37 | 388 | 33 | 100 | 110 | 278 |
| 59 | ARP1 actin-related protein 1 homolog A, centractin alpha [Homo sapiens], gi\|8392847\|ref\|NP_058556.1\| ARP1 actin-related protein 1 homolog A, centractin alpha [Mus musculus], gi\|50978894\|ref\|NP_001003164.1\| ARP1 actin-related protein 1 homolog A, centracti | gi\|5031569 | 43 | 367 | 18 | 98 | 104 | 263 |
| 60 | ubiquitin specific peptidase 9, X-linked isoform 1 [Rattus norvegicus], gi\|149044325\|gb\|EDL97646.1\| ubiquitin specific peptidase 9, X chromosome (predicted) [Rattus norvegicus] | gi\|209571464 | 289 | 287 | 76 | 78 | 102 | 185 |
| 61 | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide [Mus musculus], gi\|6981712\|ref\|NP_037185.1\| tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide [Rattus norvegicus], gi\|1267233 | gi\|6756039 | 28 | 404 | 83 | 29 | 55 | 349 |
| 62 | cullin-associated and neddylation-dissociated 1 [Rattus norvegicus], gi\|67460104\|sp\|P97536.1\|CAND1_RAT RecName: Full=Cullin-associated NEDD8-dissociated protein 1; AltName: Full=Cullin-associated and neddylation-dissociated protein 1; AltName: Full=p120 C | gi\|16758920 | 136 | 309 | 170 | 4 | 58 | 251 |
| 63 | keratin 1 [Rattus norvegicus], gi\|119850981\|gb\|AAI27465.1\| Keratin 1 [Rattus norvegicus] | gi\|120474989 (+1) | 65 | 352 | 144 | 4 | 49 | 303 |
| 64 | chromosome segregation 1-like [Rattus norvegicus], gi\|149042854\|gb\|EDL96428.1\| chromosome segregation 1-like (S. cerevisiae) (predicted) [Rattus norvegicus] | gi\|157820325 | 110 | 322 | 109 | 34 | 68 | 254 |
| 65 | neurocan [Rattus norvegicus], gi\|1709256\|sp\|P55067.1\|NCAN_RAT RecName: Full=Neurocan core protein; AltName: Full=Chondroitin sulfate proteoglycan 3; AltName: Full=245 kDa early postnatal core glycoprotein; Contains: RecName: Full=150 kDa adult core glycop | gi\|13928904 (+1) | 136 | 336 | 51 | 34 | 50 | 286 |
| 66 | ATPase, Na+/K+ transporting, alpha 3 polypeptide, isoform CRA_a [Rattus norvegicus] | gi\|149056618 (+3) | 108 | 372 | 4 | 81 | 82 | 290 |
| 67 | dynactin 1, isoform CRA_a [Rattus norvegicus] | gi\|149036514 | 142 | 322 | 36 | 99 | 110 | 212 |
| 68 | cofilin 1 [Rattus norvegicus], gi\|1168996\|sp\|P45592.3\|COF1_RAT RecName: Full=Cofilin-1; AltName: Full=Cofilin, non-muscle isoform, gi\|509201\|emb\|CAA44694.1\| cofilin [Rattus norvegicus], gi\|37589844\|gb\|AAH59143.1\| Cofilin 1, non-muscle [Rattus norvegicus], | gi\|8393101 | 19 | 264 | 177 | 0 | 56 | 208 |
| 69 | adaptor-related protein complex 2, beta 1 subunit [Rattus norvegicus], gi\|71773106\|ref\|NP_001025177.1\| adaptor-related protein complex 2, beta 1 subunit isoform a [Homo sapiens], gi\|73966805\|ref\|XP_853723.1\| PREDICTED: similar to adaptor-related protein c | gi\|18034787 (+1) | 106 | 387 | 32 | 47 | 57 | 330 |
| 70 | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide [Rattus norvegicus], gi\|21464101\|ref\|NP_036611.2\| tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide [Homo sapiens], gi\|315439 | gi\|9507245 | 28 | 326 | 93 | 22 | 51 | 275 |
| 71 | cytosolic peroxisome proliferator-induced acyl-coA thioesterase [Rattus norvegicus], gi\|1944428\|dbj\|BAA19626.1\| acyl-CoA hydrolase [Rattus norvegicus], gi\|56388796\|gb\|AAH87716.1\| Acyl-CoA thioesterase 7 [Rattus norvegicus] | gi\|1915948 | 38 | 284 | 73 | 53 | 76 | 208 |
| 72 | brain glycogen phosphorylase [Rattus norvegicus], gi\|149031112\|gb\|EDL86139.1\| brain glycogen phosphorylase, isoform CRA_b [Rattus norvegicus] | gi\|158187544 | 97 | 289 | 67 | 70 | 91 | 198 |
| 73 | tubulin, beta 6 [Rattus norvegicus], gi\|67678286\|gb\|AAH97977.1\| Tubulin, beta 6 [Rattus norvegicus], gi\|149064525\|gb\|EDM14728.1\| tubulin, beta 6 [Rattus norvegicus] | gi\|71043680 | 50 | 309 | 69 | 72 | 94 | 215 |
| 74 | ubiquitin specific peptidase 5 [Rattus norvegicus], gi\|149049468\|gb\|EDM01922.1\| ubiquitin specific protease 5 (isopeptidase T) (predicted) [Rattus norvegicus] | gi\|157819971 | 96 | 238 | 117 | 54 | 91 | 147 |
| 75 | guanine nucleotide binding protein, alpha inhibiting 2 [Rattus norvegicus], gi\|121025\|sp\|P04897.3\|GNAI2_RAT RecName: Full=Guanine nucleotide-binding protein G(i), alpha-2 subunit; AltName: Full=Adenylate cyclase-inhibiting G alpha protein, gi\|203166\|gb\|AA | gi\|13591955 | 41 | 327 | 7 | 82 | 84 | 243 |
| 76 | tubulin, beta, 2 [Homo sapiens], gi\|22165384\|ref\|NP_666228.1\| tubulin, beta 2C [Mus musculus], gi\|77736271\|ref\|NP_001029835.1\| tubulin, beta, 2 [Bos taurus], gi\|73967439\|ref\|XP_848461.1\| PREDICTED: similar to tubulin, beta, 2 isoform 1 [Canis familiaris], | gi\|5174735 | 50 | 270 | 91 | 59 | 88 | 182 |
| 77 | rCG42612, isoform CRA_b [Rattus norvegicus] | gi\|149034971 | 55 | 251 | 131 | 32 | 73 | 178 |
| 78 | kinesin family member 5C [Rattus norvegicus], gi\|149047848\|gb\|EDM00464.1\| kinesin family member 5C (predicted) [Rattus norvegicus] | gi\|157819777 | 109 | 306 | 67 | 63 | 84 | 222 |
| 79 | L-lactate dehydrogenase B [Rattus norvegicus], gi\|1170739\|sp\|P42123.2\|LDHB_RAT RecName: Full=L-lactate dehydrogenase B chain; Short=LDH-B; AltName: Full=LDH heart subunit; Short=LDH-H, gi\|473577\|gb\|AAA50439.1\| lactate dehydrogenase-B, gi\|37590241\|gb\|AAH59 | gi\|6981146 | 37 | 269 | 93 | 50 | 79 | 190 |
| 80 | heterogeneous nuclear ribonucleoprotein U [Rattus norvegicus], gi\|47938967\|gb\|AAH72529.1\| Heterogeneous nuclear ribonucleoprotein U [Rattus norvegicus], gi\|149040844\|gb\|EDL94801.1\| rCG20317, isoform CRA_b [Rattus norvegicus] | gi\|148747541 (+1) | 88 | 228 | 53 | 63 | 80 | 148 |
| 81 | ATPase, H+ transporting, lysosomal V1 subunit A [Rattus norvegicus], gi\|109493234\|ref\|XP_001058034.1\| PREDICTED: similar to ATPase, H+ transporting, V1 subunit A, isoform 1 isoform 1 [Rattus norvegicus], gi\|109493236\|ref\|XP_001058095.1\| PREDICTED: similar | gi\|157819953 | 68 | 286 | 20 | 64 | 70 | 216 |
| 82 | peptidylprolyl isomerase A (cyclophilin A) [Rattus norvegicus], gi\|118107\|sp\|P10111.2\|PPIA_RAT RecName: Full=Peptidyl-prolyl cis-trans isomerase A; Short=PPIase A; Short=Rotamase A; AltName: Full=Cyclophilin A; AltName: Full=Cyclosporin A-binding protein; | gi\|8394009 | 18 | 317 | 64 | 11 | 31 | 286 |
| 83 | alanyl-tRNA synthetase [Rattus norvegicus], gi\|149038198\|gb\|EDL92558.1\| alanyl-tRNA synthetase [Rattus norvegicus] | gi\|209862801 | 107 | 256 | 82 | 52 | 78 | 178 |
| 84 | syntaxin binding protein 1 [Rattus norvegicus], gi\|73760415\|ref\|NP_001027392.1\| syntaxin binding protein 1 isoform b [Homo sapiens], gi\|165972305\|ref\|NP_033321.2\| syntaxin binding protein 1 isoform b [Mus musculus], gi\|197097918\|ref\|NP_001126572.1\| syntax | gi\|6981602 | 68 | 297 | 6 | 70 | 72 | 225 |
| 85 | heterogeneous nuclear ribonucleoprotein K isoform a [Homo sapiens], gi\|14165439\|ref\|NP_002131.2\| heterogeneous nuclear ribonucleoprotein K isoform a [Homo sapiens], gi\|197101649\|ref\|NP_001126766.1\| heterogeneous nuclear ribonucleoprotein K [Pongo abelii], | gi\|14165437 | 51 | 244 | 72 | 48 | 71 | 173 |
| 86 | importin 7 [Rattus norvegicus], gi\|149068326\|gb\|EDM17878.1\| importin 7 (predicted), isoform CRA_c [Rattus norvegicus] | gi\|157820315 | 119 | 270 | 91 | 33 | 62 | 208 |
| 87 | exportin 1, CRM1 homolog [Rattus norvegicus], gi\|68052857\|sp\|Q80U96.1\|XPO1_RAT RecName: Full=Exportin-1; Short=Exp1; AltName: Full=Chromosome region maintenance 1 protein homolog, gi\|28971720\|dbj\|BAC65240.1\| nuclear export factor CRM1 [Rattus norvegicus], | gi\|29789299 | 123 | 274 | 58 | 57 | 75 | 199 |
| 88 | rCG55184, isoform CRA_a [Rattus norvegicus] | gi\|149059573 | 171 | 270 | 37 | 68 | 80 | 190 |
| 89 | eukaryotic translation initiation factor 4A isoform 1 [Homo sapiens], gi\|21450625\|ref\|NP_659207.1\| eukaryotic translation initiation factor 4A1 isoform 1 [Mus musculus], gi\|40786436\|ref\|NP_955404.1\| eukaryotic translation initiation factor 4A1 [Rattus nor | gi\|4503529 | 46 | 283 | 78 | 37 | 62 | 221 |
| 90 | L-lactate dehydrogenase A [Rattus norvegicus], gi\|126051\|sp\|P04642.1\|LDHA_RAT RecName: Full=L-lactate dehydrogenase A chain; Short=LDH-A; AltName: Full=LDH muscle subunit; Short=LDH-M, gi\|56544\|emb\|CAA26000.1\| unnamed protein product [Rattus norvegicus], | gi\|8393706 | 36 | 228 | 131 | 10 | 51 | 177 |
| 91 | vacuolar H+ATPase B2 [Rattus norvegicus], gi\|19705578\|ref\|NP_031535.2\| vacuolar H+ATPase B2 [Mus musculus], gi\|51338689\|sp\|P62815.1\|VATB2_RAT RecName: Full=V-type proton ATPase subunit B, brain isoform; Short=V-ATPase subunit B 2; AltName: Full=Vacuolar p | gi\|17105370 | 57 | 295 | 39 | 59 | 71 | 224 |
| 92 | RecName: Full=Dihydropyrimidinase-related protein 4; Short=DRP-4; AltName: Full=Collapsin response mediator protein 3; Short=CRMP-3; AltName: Full=UNC33-like phosphoprotein 4; Short=ULIP4 protein, gi\|1399540\|gb\|AAB03281.1\| rCRMP-3 [Rattus norvegicus] | gi\|3122037 | 61 | 305 | 15 | 56 | 61 | 244 |
| 93 | PREDICTED: similar to Alpha-enolase (2-phospho-D-glycerate hydro-lyase) (Non-neural enolase) (NNE) (Enolase 1) [Rattus norvegicus] | gi\|109468300 (+2) | 54 | 269 | 101 | 6 | 38 | 231 |
| 94 | aminopeptidase puromycin sensitive [Rattus norvegicus] | gi\|149054035 | 93 | 227 | 129 | 16 | 57 | 170 |
| 95 | spectrin beta 2, isoform CRA_a [Rattus norvegicus] | gi\|149044856 | 274 | 227 | 76 | 61 | 85 | 142 |
| 96 | protein arginine methyltransferase 1 [Rattus norvegicus], gi\|2499804\|sp\|Q63009.1\|ANM1_RAT RecName: Full=Protein arginine N-methyltransferase 1, gi\|7141328\|gb\|AAF37293.1\|AF232717_1 protein arginine N-methyltransferase 1 [Mus musculus], gi\|1390025\|gb\|AAC526 | gi\|13242255 (+1) | 41 | 259 | 64 | 35 | 55 | 204 |
| 97 | RecName: Full=AP-2 complex subunit alpha-2; AltName: Full=Adapter-related protein complex 2 alpha-2 subunit; AltName: Full=Adaptor protein complex AP-2 subunit alpha-2; AltName: Full=Alpha2-adaptin; AltName: Full=Plasma membrane adaptor HA2/AP2 adaptin al | gi\|113337 | 104 | 290 | 37 | 25 | 37 | 253 |
| 98 | RecName: Full=Microtubule-associated protein 1B; Short=MAP-1B; AltName: Full=Neuraxin; Contains: RecName: Full=MAP1 light chain LC1 | gi\|19856246 | 270 | 283 | 23 | 62 | 69 | 214 |
| 99 | phosphoglycerate kinase 1 [Rattus norvegicus], gi\|124106305\|sp\|P16617.2\|PGK1_RAT RecName: Full=Phosphoglycerate kinase 1, gi\|38649310\|gb\|AAH63161.1\| Phosphoglycerate kinase 1 [Rattus norvegicus], gi\|56585024\|gb\|AAH87651.1\| Phosphoglycerate kinase 1 [Rattu | gi\|40254752 | 45 | 248 | 91 | 25 | 54 | 194 |
| 100 | hydroxymethylglutaryl-CoA synthase 1 [Rattus norvegicus], gi\|123333\|sp\|P17425.1\|HMCS1_RAT RecName: Full=Hydroxymethylglutaryl-CoA synthase, cytoplasmic; Short=HMG-CoA synthase; AltName: Full=3-hydroxy-3-methylglutaryl coenzyme A synthase, gi\|55947\|emb\|CAA | gi\|8393538 | 57 | 211 | 87 | 59 | 86 | 125 |
| 101 | isocitrate dehydrogenase 1 (NADP+), soluble [Rattus norvegicus], gi\|1170478\|sp\|P41562.1\|IDHC_RAT RecName: Full=Isocitrate dehydrogenase [NADP] cytoplasmic; Short=IDH; AltName: Full=Cytosolic NADP-isocitrate dehydrogenase; AltName: Full=Oxalosuccinate deca | gi\|13928690 | 47 | 246 | 87 | 21 | 48 | 198 |
| 102 | RecName: Full=Dynamin-1-like protein; AltName: Full=Dynamin-like protein, gi\|2425052\|gb\|AAB72197.1\| dynamin-like protein [Rattus norvegicus] | gi\|68566301 | 84 | 269 | 33 | 72 | 82 | 187 |
| 103 | keratin 5 [Rattus norvegicus], gi\|33519156\|gb\|AAQ20893.1\| keratin 5 [Rattus norvegicus] | gi\|50233797 (+1) | 62 | 228 | 81 | 42 | 68 | 160 |
| 104 | cardiac muscle alpha actin 1 proprotein [Homo sapiens], gi\|14192922\|ref\|NP_033738.1\| actin, alpha, cardiac muscle 1 [Mus musculus], gi\|45360837\|ref\|NP_989094.1\| actin, alpha, cardiac muscle 1 [Xenopus (Silurana) tropicalis], gi\|77736117\|ref\|NP_001029757.1 | gi\|4885049 | 42 | 176 | 48 | 5 | 20 | 156 |
| 105 | 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase [Rattus norvegicus], gi\|122064939\|sp\|O35567.2\|PUR9_RAT RecName: | gi\|48675845 | 64 | 204 | 66 | 62 | 83 | 121 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Full=Bifunctional purine biosynthesis protein PURH; Includes: RecName: Full=Phosphoribosylaminoimidazolecarb | | | | | | | |
| 106 | rCG38907, isoform CRA_a [Rattus norvegicus] | gi\|149031313 | 343 | 172 | 56 | 82 | 100 | 72 |
| 107 | CAP, adenylate cyclase-associated protein 1 [Rattus norvegicus], gi\|124012084\|sp\|Q08163.3\|CAP1_RAT RecName: Full=Adenylyl cyclase-associated protein 1; Short=CAP 1, gi\|58477725\|gb\|AAH89801.1\| CAP, adenylate cyclase-associated protein 1 (yeast) [Rattus nor | gi\|59709467 | 52 | 265 | 26 | 24 | 32 | 233 |
| 108 | importin 9 [Rattus norvegicus], gi\|149058537\|gb\|EDM09694.1\| importin 9 (predicted) [Rattus norvegicus] | gi\|157821073 | 116 | 201 | 74 | 29 | 52 | 149 |
| 109 | glutamyl-prolyl-tRNA synthetase, isoform CRA_c [Rattus norvegicus] | gi\|149040965 | 164 | 206 | 22 | 57 | 64 | 142 |
| 110 | RecName: Full=E3 ubiquitin-protein ligase UBR4; AltName: Full=N-recognin-4; AltName: Full=Zinc finger UBR1-type protein 1 | gi\|147742911 (+1) | 574 | 184 | 13 | 86 | 90 | 94 |
| 111 | Dync1i2 protein [Rattus norvegicus], gi\|149022201\|gb\|EDL79095.1\| dynein, cytoplasmic, intermediate chain 2, isoform CRA_b [Rattus norvegicus] | gi\|50926121 | 71 | 198 | 9 | 56 | 59 | 139 |
| 112 | acetyl-Coenzyme A acetyltransferase 2 [Rattus norvegicus], gi\|81883683\|sp\|Q5XI22.1\|THIC_RAT RecName: Full=Acetyl-CoA acetyltransferase, cytosolic; AltName: Full=Cytosolic acetoacetyl-CoA thiolase, gi\|54035342\|gb\|AAH83872.1\| Acetyl-Coenzyme A acetyltransfe | gi\|55741502 | 41 | 200 | 74 | 38 | 61 | 139 |
| 113 | filamin, alpha (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149029878 (+1) | 277 | 179 | 63 | 20 | 40 | 139 |
| 114 | nuclear autoantigenic sperm protein [Rattus norvegicus], gi\|81910679\|sp\|Q66HD3.1\|NASP_RAT RecName: Full=Nuclear autoantigenic sperm protein; Short=NASP, gi\|51858884\|gb\|AAH81913.1\| Nuclear autoantigenic sperm protein (histone-binding) [Rattus norvegicus], | gi\|53850614 | 84 | 149 | 112 | 15 | 50 | 99 |
| 115 | eukaryotic translation initiation factor 3, subunit 10 (theta) [Rattus norvegicus] | gi\|149040541 | 163 | 181 | 15 | 57 | 62 | 119 |
| 116 | phosphoribosyl pyrophosphate synthetase 1 [Homo sapiens], gi\|8394053\|ref\|NP_058939.1\| phosphoribosyl pyrophosphate synthetase 1 [Rattus norvegicus], gi\|10946854\|ref\|NP_067438.1\| phosphoribosyl pyrophosphate synthetase 1 [Mus musculus], gi\|114051283\|ref\|NP | gi\|4506127 | 35 | 237 | 8 | 30 | 33 | 204 |
| 117 | tubulin, beta [Mus musculus], gi\|29788768\|ref\|NP_821080.1\| tubulin, beta 2B [Homo sapiens], gi\|110347600\|ref\|NP_001013908.2\| tubulin, beta 2b [Rattus norvegicus], gi\|74003816\|ref\|XP_848443.1\| PREDICTED: similar to tubulin, beta isoform 1 [Canis familiaris | gi\|21746161 | 50 | 195 | 57 | 19 | 37 | 158 |
| 118 | GTP-binding protein alpha o [Rattus norvegicus], gi\|27808491\|sp\|P59215.2\|GNAO_RAT RecName: Full=Guanine nucleotide-binding protein G(o) subunit alpha, gi\|27808492\|sp\|P59216.2\|GNAO_CRILO RecName: Full=Guanine nucleotide-binding protein G(o) subunit alpha, | gi\|8394152 | 40 | 217 | 5 | 56 | 58 | 159 |
| 119 | heat shock 105kDa [Rattus norvegicus], gi\|81890517\|sp\|Q66HA8.1\|HS105_RAT RecName: Full=Heat shock protein 105 kDa; AltName: Full=Heat shock 110 kDa protein, gi\|51859173\|gb\|AAH81945.1\| Heat shock 105kDa/110kDa protein 1 [Rattus norvegicus], gi\|149034799\|gb | gi\|58865372 | 96 | 168 | 69 | 44 | 66 | 102 |
| 120 | coatomer protein complex subunit alpha [Rattus norvegicus], gi\|149040721\|gb\|EDL94678.1\| rCG20221, isoform CRA_b [Rattus norvegicus] | gi\|197384345 | 138 | 174 | 27 | 51 | 60 | 114 |
| 121 | Ncam1 protein [Rattus norvegicus] | gi\|74353679 | 94 | 232 | 21 | 9 | 16 | 216 |
| 122 | proteasome 26S subunit, non-ATPase 14 [Homo sapiens], gi\|71043862\|ref\|NP_001020860.1\| proteasome 26S subunit, non-ATPase 14 [Rattus norvegicus], gi\|115497090\|ref\|NP_001069535.1\| proteasome 26S subunit, non-ATPase 14 [Bos taurus], gi\|145966883\|ref\|NP_06750 | gi\|5031981 | 35 | 172 | 10 | 73 | 76 | 96 |
| 123 | protein phosphatase 2a, catalytic subunit, alpha isoform [Rattus norvegicus], gi\|9506983\|ref\|NP_062284.1\| protein phosphatase 2a, catalytic subunit, alpha isoform [Mus musculus], gi\|54038796\|sp\|P63331.1\|PP2AA_RAT RecName: Full=Serine/threonine-protein pho | gi\|8394018 | 36 | 193 | 54 | 25 | 42 | 151 |
| 124 | rCG27444, isoform CRA_a [Rattus norvegicus] | gi\|149016565 | 79 | 137 | 96 | 29 | 59 | 78 |
| 125 | PREDICTED: similar to p30 DBC protein [Rattus norvegicus], gi\|109502667\|ref\|XP_001069514.1\| PREDICTED: similar to p30 DBC protein [Rattus norvegicus] | gi\|109501857 | 103 | 142 | 47 | 55 | 70 | 72 |
| 126 | proteasome (prosome, macropain) 26S subunit, non-ATPase, 13 [Rattus norvegicus], gi\|229891500\|sp\|B0BN93.1\|PSD13_RAT RecName: Full=26S proteasome non-ATPase regulatory subunit 13; AltName: Full=26S proteasome regulatory subunit S11; AltName: Full=26S prote | gi\|157821581 | 43 | 209 | 8 | 56 | 59 | 150 |
| 127 | PREDICTED: similar to Kinesin-like protein KIF1A (Axonal transporter of synaptic vesicles) [Rattus norvegicus], gi\|149037532\|gb\|EDL91963.1\| kinesin family member 1A [Rattus norvegicus] | gi\|109487519 | 192 | 130 | 101 | 22 | 54 | 76 |
| 128 | inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein, isoform CRA_a [Rattus norvegicus] | gi\|149037159 | 149 | 194 | 28 | 37 | 46 | 148 |
| 129 | proteasome (prosome, macropain) 26S subunit, non-ATPase, 3 [Rattus norvegicus], gi\|55250442\|gb\|AAH85881.1\| Proteasome (prosome, macropain) 26S subunit, non-ATPase, 3 [Rattus norvegicus], gi\|149054124\|gb\|EDM05941.1\| proteasome (prosome, macropain) 26S subu | gi\|56605666 | 61 | 177 | 4 | 54 | 55 | 122 |
| 130 | isoleucine tRNA synthetase [Rattus norvegicus], gi\|149045018\|gb\|EDL98104.1\| isoleucine-tRNA synthetase (predicted) [Rattus norvegicus] | gi\|208022685 | 144 | 193 | 0 | 45 | 45 | 148 |
| 131 | Peroxiredoxin 2 [Rattus norvegicus], gi\|149037815\|gb\|EDL92175.1\| rCG51106, isoform CRA_d [Rattus norvegicus] | gi\|34849738 | 22 | 155 | 99 | 2 | 33 | 122 |
| 132 | glutaredoxin 3 [Rattus norvegicus], gi\|60416390\|sp\|Q9JLZ1.2\|GLRX3_RAT RecName: Full=Glutaredoxin-3; AltName: Full=Thioredoxin-like protein 2; AltName: Full=PKC-interacting cousin of thioredoxin; AltName: Full=PKC-theta-interacting protein; Short=PKCq-inte | gi\|78187979 | 38 | 135 | 66 | 49 | 70 | 65 |
| 133 | protease (prosome, macropain) 26S subunit, ATPase 1 [Mus musculus], gi\|16923972\|ref\|NP_476464.1\| proteasome (prosome, macropain) 26S subunit, ATPase, 1 [Rattus norvegicus], gi\|24430151\|ref\|NP_002793.2\| proteasome 26S ATPase subunit 1 [Homo sapiens], gi\|11 | gi\|6679501 | 49 | 169 | 5 | 83 | 85 | 84 |
| 134 | proteasome (prosome, macropain) 26S subunit, ATPase 3 [Mus musculus], gi\|13543237\|gb\|AAH05783.1\| Proteasome (prosome, macropain) 26S subunit, ATPase 3 [Mus musculus], gi\|38304011\|gb\|AAH62019.1\| Proteasome (prosome, macropain) 26S subunit, ATPase 3 [Rattus | gi\|228008337 (+1) | 50 | 191 | 3 | 71 | 72 | 119 |
| 135 | ubiquitin-like modifier activating enzyme 2 [Rattus norvegicus], gi\|149056217\|gb\|EDM07648.1\| rCG53609 [Rattus norvegicus], gi\|171847094\|gb\|AAI61985.1\| Uba2 protein [Rattus norvegicus] | gi\|197384571 | 71 | 128 | 73 | 30 | 53 | 75 |
| 136 | ADP-ribosylation factor 5 [Homo sapiens], gi\|6680722\|ref\|NP_031506.1\| ADP-ribosylation factor 5 [Mus musculus], gi\|13162339\|ref\|NP_077063.1\| ADP-ribosylation factor 5 [Rattus norvegicus], gi\|139948288\|ref\|NP_001077140.1\| ADP-ribosylation factor 5 [Bos tau | gi\|4502209 | 21 | 168 | 83 | 0 | 26 | 142 |
| 137 | transferrin [Rattus norvegicus], gi\|122066515\|sp\|P12346.3\|TRFE_RAT RecName: Full=Serotransferrin; Short=Transferrin; AltName: Full=Siderophilin; AltName: Full=Beta-1 metal-binding globulin; AltName: Full=Liver regeneration-related protein LRRG03; Flags: P | gi\|61556986 | 76 | 40 | 215 | 0 | 68 | 0 |
| 138 | myosin Va [Rattus norvegicus], gi\|13431673\|sp\|Q9QYF3.1\|MYO5A_RAT RecName: Full=Myosin-Va; AltName: Full=Dilute myosin heavy chain, non-muscle, gi\|6577099\|dbj\|BAA88350.1\| myosin-Va [Rattus norvegicus] | gi\|11559935 | 212 | 163 | 22 | 58 | 65 | 98 |
| 139 | PREDICTED: similar to cytoskeleton associated protein 5 isoform 3 [Rattus norvegicus] | gi\|109470239 (+2) | 227 | 173 | 24 | 32 | 40 | 133 |
| 140 | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide [Mus musculus], gi\|6981710\|ref\|NP_037184.1\| tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide [Rattus norvegicus], gi\|194043292\|r | gi\|6756037 | 28 | 178 | 42 | 31 | 44 | 134 |
| 141 | protein phosphatase 1, catalytic subunit, alpha isoform 1 [Homo sapiens], gi\|13928710\|ref\|NP_113715.1\| protein phosphatase 1, catalytic subunit, alpha [Rattus norvegicus], gi\|78369446\|ref\|NP_001030393.1\| protein phosphatase 1, catalytic subunit, alpha [Bo | gi\|4506003 | 38 | 167 | 43 | 43 | 57 | 110 |
| 142 | ras-related nuclear protein [Homo sapiens], gi\|6678365\|ref\|NP_033417.1\| RAN, member RAS oncogene family [Mus musculus], gi\|16758182\|ref\|NP_445891.1\| RAN, member RAS oncogene family [Rattus norvegicus], gi\|50979248\|ref\|NP_001003375.1\| ras-related nuclear p | gi\|5453555 | 24 | 162 | 50 | 23 | 39 | 123 |
| 143 | vesicle amine transport protein 1 homolog (T californica) [Rattus norvegicus], gi\|75516467\|gb\|AAI01883.1\| Vesicle amine transport protein 1 homolog (T californica) [Rattus norvegicus], gi\|149054315\|gb\|EDM06132.1\| vesicle amine transport protein 1 homolog | gi\|76096306 | 43 | 225 | 17 | 7 | 12 | 213 |
| 144 | proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 [Rattus norvegicus], gi\|149038124\|gb\|EDL92484.1\| proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 (predicted) [Rattus norvegicus] | gi\|157818107 | 36 | 176 | 2 | 67 | 68 | 108 |
| 145 | kinesin light chain 1 isoform A [Rattus norvegicus] | gi\|126517461 (+2) | 62 | 169 | 32 | 26 | 36 | 133 |
| 146 | Dbn1 protein [Rattus norvegicus], gi\|149039865\|gb\|EDL93981.1\| drebrin 1, isoform CRA_b [Rattus norvegicus] | gi\|146218400 (+1) | 72 | 131 | 95 | 13 | 43 | 88 |
| 147 | eukaryotic translation elongation factor 1 gamma [Rattus norvegicus], gi\|55583762\|sp\|Q68FR6.3\|EF1G_RAT RecName: Full=Elongation factor 1-gamma; Short=EF-1-gamma; AltName: Full=eEF-1B gamma, gi\|51261278\|gb\|AAH79398.1\| Eukaryotic translation elongation fact | gi\|51948418 | 50 | 186 | 7 | 27 | 29 | 157 |
| 148 | leucyl-tRNA synthetase [Rattus norvegicus], gi\|56388592\|gb\|AAH87655.1\| Leucyl-tRNA synthetase [Rattus norvegicus] | gi\|57526927 | 134 | 156 | 9 | 57 | 60 | 96 |
| 149 | alcohol dehydrogenase 5 [Rattus norvegicus], gi\|134047695\|sp\|P12711.2\|ADHX_RAT RecName: Full=Alcohol dehydrogenase class-3; AltName: Full=Alcohol dehydrogenase class-III; AltName: Full=Alcohol dehydrogenase 5; AltName: Full=Alcohol dehydrogenase 2; AltNam | gi\|186972146 (+1) | 40 | 130 | 29 | 40 | 49 | 81 |
| 150 | RAB11B, member RAS oncogene family [Rattus norvegicus], gi\|78369332\|ref\|NP_001030468.1\| RAB11B, member RAS oncogene family [Bos taurus], gi\|190358517\|ref\|NP_004209.2\| RAB11B, member RAS oncogene family [Homo sapiens], gi\|226529709\|ref\|NP_001142168.1\| hypo | gi\|14249144 | 24 | 194 | 38 | 9 | 21 | 173 |
| 151 | rCG48597, isoform CRA_a [Rattus norvegicus] | gi\|149061779 (+1) | 43 | 172 | 44 | 23 | 37 | 135 |
| 152 | myosin, heavy polypeptide 9, non-muscle [Rattus norvegicus] | gi\|149066032 | 226 | 140 | 58 | 38 | 56 | 84 |
| 153 | valyl-tRNA synthetase [Rattus norvegicus], gi\|73920806\|sp\|Q04462.2\|SYVC_RAT RecName: Full=Valyl-tRNA synthetase; AltName: Full=Valine--tRNA ligase; Short=ValRS, gi\|46237603\|emb\|CAE83981.1\| valyl-tRNA synthetase 2 [Rattus norvegicus], gi\|149028031\|gb\|EDL83 | gi\|158186770 | 140 | 196 | 8 | 29 | 32 | 164 |
| 154 | adaptor-related protein complex 3, delta 1 subunit [Rattus norvegicus], gi\|149034506\|gb\|EDL89243.1\| adaptor-related protein complex 3, delta 1 subunit, isoform CRA_b [Rattus norvegicus], gi\|197246509\|gb\|AAI69097.1\| Ap3d1 protein [Rattus norvegicus] | gi\|198278523 | 136 | 153 | 35 | 47 | 58 | 95 |
| 155 | guanine nucleotide-binding protein, beta-2 subunit [Mus musculus], gi\|20357529\|ref\|NP_005264.2\| guanine nucleotide-binding protein, beta-2 subunit [Homo sapiens], gi\|29789261\|ref\|NP_112299.1\| guanine nucleotide-binding protein, beta 2 [Rattus norvegicus], | gi\|13937391 | 37 | 140 | 21 | 48 | 55 | 85 |
| 156 | WD repeat domain 1 [Rattus norvegicus], gi\|81910041\|sp\|Q5RKI0.3\|WDR1_RAT RecName: Full=WD repeat-containing protein 1, gi\|55715677\|gb\|AAH85864.1\| WD repeat domain 1 [Rattus norvegicus], gi\|62721147\|gb\|AAX94056.1\| WD repeat protein 1 [Rattus norvegicus] | gi\|62078997 | 66 | 129 | 51 | 29 | 45 | 84 |
| 157 | alpha actinin 4 [Rattus norvegicus], gi\|182705246\|sp\|Q9QXQ0.2\|ACTN4_RAT RecName: Full=Alpha-actinin-4; AltName: Full=Non-muscle alpha-actinin 4; AltName: Full=F-actin cross-linking protein, gi\|38197444\|gb\|AAH61788.1\| Actinin alpha 4 [Rattus norvegicus], g | gi\|77539778 | 105 | 122 | 93 | 14 | 43 | 79 |
| 158 | malate dehydrogenase 1, NAD (soluble) [Rattus norvegicus], gi\|81861572\|sp\|O88989.3\|MDHC_RAT RecName: Full=Malate dehydrogenase, cytoplasmic; AltName: Full=Cytosolic malate dehydrogenase, gi\|3747085\|gb\|AAC64180.1\| cytosolic malate dehydrogenase [Rattus nor | gi\|15100179 | 36 | 117 | 82 | 4 | 30 | 87 |
| 159 | carbamyl phosphatate synthetase 2 (mapped), isoform CRA_e [Rattus norvegicus] | gi\|149050766 | 251 | 162 | 8 | 49 | 52 | 110 |
| 160 | platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit [Mus musculus], gi\|13929078\|ref\|NP_113951.1\| platelet-activating factor acetylhydrolase beta subunit [Rattus norvegicus], gi\|167234378\|ref\|NP_001107812.1\| platelet-activating factor ace | gi\|7305363 | 47 | 163 | 36 | 21 | 32 | 131 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 161 | PREDICTED: similar to Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15 (DEAH box protein 15) [Rattus norvegicus], gi\|109500663\|ref\|XP_001054651.1\| PREDICTED: similar to Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15 ( | gi\|34878065 | 91 | 136 | 42 | 43 | 56 | 80 |
| 162 | proteasome, 26S, non-ATPase regulatory subunit 6 [Rattus norvegicus], gi\|37748489\|gb\|AAH59159.1\| Proteasome (prosome, macropain) 26S subunit, non-ATPase, 6 [Rattus norvegicus], gi\|149040032\|gb\|EDL94116.1\| proteasome (prosome, macropain) 26S subunit, non-A | gi\|38454206 | 46 | 155 | 6 | 59 | 61 | 94 |
| 163 | tripeptidyl peptidase II [Rattus norvegicus], gi\|9979103\|sp\|Q64560.3\|TPP2_RAT RecName: Full=Tripeptidyl-peptidase 2; AltName: Full=Tripeptidyl-peptidase II; Short=TPP-II; AltName: Full=Tripeptidyl aminopeptidase, gi\|1245343\|gb\|AAA93458.1\| tripeptidylpepti | gi\|13592121 | 138 | 143 | 0 | 34 | 34 | 109 |
| 164 | guanine monophosphate synthetase [Rattus norvegicus], gi\|81908630\|sp\|Q4V7C6.1\|GUAA_RAT RecName: Full=GMP synthase [glutamine-hydrolyzing]; AltName: Full=Glutamine amidotransferase; AltName: Full=GMP synthetase, gi\|66910916\|gb\|AAH98016.1\| Guanine monphosph | gi\|67078508 | 77 | 122 | 56 | 36 | 54 | 68 |
| 165 | neural precursor cell expressed, developmentally down-regulated gene 4 [Rattus norvegicus], gi\|149028788\|gb\|EDL84129.1\| neural precursor cell expressed, developmentally down-regulated gene 4A, isoform CRA_d [Rattus norvegicus] | gi\|158186672 | 103 | 92 | 64 | 32 | 52 | 40 |
| 166 | inducible carbonyl reductase [Rattus norvegicus] | gi\|1906812 | 31 | 147 | 58 | 15 | 33 | 114 |
| 167 | ubiquitin specific peptidase 7 [Rattus norvegicus], gi\|81908181\|sp\|Q4VSI4.1\|UBP7_RAT RecName: Full=Ubiquitin carboxyl-terminal hydrolase 7; AltName: Full=Ubiquitin thioesterase 7; AltName: Full=Ubiquitin-specific-processing protease 7; AltName: Full=Deubi | gi\|67078438 | 128 | 122 | 49 | 23 | 38 | 84 |
| 168 | anaphase promoting complex subunit 1 [Rattus norvegicus], gi\|149023243\|gb\|EDL80137.1\| anaphase promoting complex subunit 1 (predicted) [Rattus norvegicus] | gi\|157820993 | 216 | 138 | 18 | 39 | 45 | 93 |
| 169 | PREDICTED: similar to EPM2A (laforin) interacting protein 1 [Rattus norvegicus] | gi\|109485509 (+1) | 70 | 129 | 54 | 37 | 54 | 75 |
| 170 | adaptor protein complex AP-1, beta 1 subunit, isoform CRA_a [Rattus norvegicus] | gi\|149047589 (+1) | 105 | 175 | 5 | 28 | 30 | 145 |
| 171 | proteasome 26S non-ATPase subunit 12 [Rattus norvegicus], gi\|53733547\|gb\|AAH83758.1\| Proteasome (prosome, macropain) 26S subunit, non-ATPase, 12 [Rattus norvegicus] | gi\|54400716 | 53 | 177 | 3 | 37 | 38 | 139 |
| 172 | platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit [Rattus norvegicus], gi\|6093641\|sp\|O35263.1\|PA1B3_RAT RecName: Full=Platelet-activating factor acetylhydrolase IB subunit gamma; AltName: Full=PAF acetylhydrolase 29 kDa subunit; Short= | gi\|16758470 | 26 | 139 | 41 | 3 | 16 | 123 |
| 173 | RecName: Full=Nucleolin; AltName: Full=Protein C23, gi\|205792\|gb\|AAA41732.1\| nucleolin | gi\|128844 (+2) | 77 | 163 | 24 | 24 | 32 | 131 |
| 174 | aldo-keto reductase family 1, member A1 (aldehyde reductase) [Rattus norvegicus], gi\|1703237\|sp\|P51635.2\|AK1A1_RAT RecName: Full=Alcohol dehydrogenase [NADP+]; AltName: Full=Aldehyde reductase; AltName: Full=Aldo-keto reductase family 1 member A1; AltName | gi\|13591894 | 37 | 129 | 44 | 23 | 37 | 92 |
| 175 | tyrosine 3-monooxgenase/tryptophan 5-monooxgenase activation protein, beta polypeptide [Rattus norvegicus], gi\|1345591\|sp\|P35213.3\|1433B_RAT RecName: Full=14-3-3 protein beta/alpha; AltName: Full=Protein kinase C inhibitor protein 1; Short=KCIP-1; AltName | gi\|9507243 | 28 | 150 | 36 | 19 | 30 | 120 |
| 176 | talin [Rattus norvegicus], gi\|109474844\|ref\|XP_001053379.1\| PREDICTED: similar to Talin-1 [Rattus norvegicus], gi\|109476401\|ref\|XP_001069865.1\| PREDICTED: similar to Talin-1 [Rattus norvegicus], gi\|149045752\|gb\|EDL98752.1\| rCG55135, isoform CRA_b [Rattus | gi\|189181726 | 270 | 95 | 78 | 28 | 53 | 42 |
| 177 | PREDICTED: similar to Proteasome-associated protein ECM29 homolog (Ecm29) [Rattus norvegicus] | gi\|109474974 (+1) | 216 | 158 | 10 | 24 | 27 | 131 |
| 178 | PREDICTED: similar to Ubiquitin conjugation factor E4 B (Ubiquitin-fusion degradation protein 2) (Ufd2a) [Rattus norvegicus] | gi\|62650035 | 133 | 100 | 60 | 15 | 34 | 66 |
| 179 | dimethylarginine dimethylaminohydrolase 2 [Rattus norvegicus], gi\|81911114\|sp\|Q6MG60.1\|DDAH2_RAT RecName: Full=N(G),N(G)-dimethylarginine dimethylaminohydrolase 2; Short=Dimethylarginine dimethylaminohydrolase 2; Short=DDAH-2; AltName: Full=DDAHII; AltNam | gi\|47087079 | 30 | 132 | 56 | 21 | 39 | 93 |
| 180 | rCG55067 [Rattus norvegicus] | gi\|149045627 | 98 | 133 | 64 | 4 | 24 | 109 |
| 181 | proteasome (prosome, macropain) 26S subunit, ATPase, 6 [Rattus norvegicus], gi\|149033503\|gb\|EDL88301.1\| rCG61291 [Rattus norvegicus] | gi\|213972598 (+1) | 46 | 140 | 11 | 55 | 58 | 82 |
| 182 | reticulon 1 [Rattus norvegicus], gi\|12643485\|sp\|Q64548.1\|RTN1_RAT RecName: Full=Reticulon-1; AltName: Full=Neuroendocrine-specific protein; AltName: Full=S-rex, gi\|1143719\|gb\|AAC53046.1\| rS-Rex-b | gi\|16758732 | 83 | 175 | 15 | 4 | 9 | 166 |
| 183 | fructose-bisphosphate aldolase A [Rattus norvegicus], gi\|113609\|sp\|P05065.2\|ALDOA_RAT RecName: Full=Fructose-bisphosphate aldolase A; AltName: Full=Muscle-type aldolase, gi\|202835\|gb\|AAA40714.1\| aldolase A (EC 4.1.2.13), gi\|1619605\|emb\|CAA27815.1\| aldolas | gi\|6978487 | 39 | 162 | 32 | 0 | 10 | 152 |
| 184 | acetyl-coenzyme A carboxylase alpha [Rattus norvegicus], gi\|116670\|sp\|P11497.1\|ACACA_RAT RecName: Full=Acetyl-CoA carboxylase 1; AltName: Full=ACC-alpha; Includes: RecName: Full=Biotin carboxylase, gi\|202645\|gb\|AAA40653.1\| acetyl-coenzyme A carboxylase (E | gi\|11559962 | 265 | 118 | 34 | 34 | 45 | 73 |
| 185 | proteasome 26S ATPase subunit 4 [Rattus norvegicus], gi\|124248577\|ref\|NP_036004.2\| proteasome 26S ATPase subunit 4 [Mus musculus], gi\|2492517\|sp\|Q63570.1\|PRS6B_RAT RecName: Full=26S protease regulatory subunit 6B; AltName: Full=Proteasome 26S subunit AT | gi\|25742677 | 47 | 141 | 4 | 37 | 38 | 103 |
| 186 | staphylococcal nuclease domain containing 1 [Rattus norvegicus], gi\|60415342\|sp\|Q66X93.1\|SND1_RAT RecName: Full=Staphylococcal nuclease domain-containing protein 1; AltName: Full=p100 co-activator; AltName: Full=100 kDa coactivator; AltName: Full=p105 coa | gi\|77404395 | 102 | 150 | 4 | 46 | 47 | 103 |
| 187 | PREDICTED: similar to glycyl-tRNA synthetase [Rattus norvegicus] | gi\|109472087 (+2) | 88 | 133 | 43 | 0 | 14 | 119 |
| 188 | protease (prosome, macropain) 26S subunit, ATPase 5 [Mus musculus], gi\|13592141\|ref\|NP_112411.1\| for proteasomal ATPase (SUG1) [Rattus norvegicus], gi\|24497435\|ref\|NP_002796.4\| proteasome 26S ATPase subunit 5 [Homo sapiens], gi\|27806101\|ref\|NP_776866.1\| p | gi\|7110703 | 46 | 143 | 4 | 37 | 38 | 105 |
| 189 | s-Afadin [Rattus norvegicus] | gi\|2555013 | 189 | 123 | 32 | 32 | 42 | 81 |
| 190 | Chain A, Rat Liver S-Adenosylhomocystein Hydrolase, gi\|4139572\|pdb\|1B3R\|B Chain B, Rat Liver S-Adenosylhomocystein Hydrolase, gi\|4139573\|pdb\|1B3R\|C Chain C, Rat Liver S-Adenosylhomocystein Hydrolase, gi\|4139574\|pdb\|1B3R\|D Chain D, Rat Liver S-Adenosylhomo | gi\|4139571 (+1) | 47 | 118 | 36 | 17 | 28 | 90 |
| 191 | ataxin 10 [Rattus norvegicus], gi\|18202870\|sp\|Q9ER24.1\|ATX10_RAT RecName: Full=Ataxin-10; AltName: Full=Spinocerebellar ataxia type 10 protein homolog; AltName: Full=Neuronal beta-catenin-like protein, gi\|11182352\|emb\|CAC16214.1\| neuronal beta-catenin lik | gi\|25742674 | 54 | 119 | 48 | 7 | 22 | 97 |
| 192 | beta actin [Homo sapiens], gi\|6671509\|ref\|NP_031419.1\| actin, beta [Mus musculus], gi\|13592133\|ref\|NP_112406.1\| actin, beta [Rattus norvegicus], gi\|45382927\|ref\|NP_990849.1\| beta actin [Gallus gallus], gi\|57619329\|ref\|NP_001009784.1\| beta actin [Ovis arie | gi\|4501885 | 42 | 137 | 32 | 34 | 44 | 93 |
| 193 | synaptosomal-associated protein, 91kDa homolog (mouse), isoform CRA_a [Rattus norvegicus], gi\|149018977\|gb\|EDL77618.1\| synaptosomal-associated protein, 91kDa homolog (mouse), isoform CRA_a [Rattus norvegicus], gi\|149018979\|gb\|EDL77620.1\| synaptosomal-asso | gi\|149018973 (+3) | 89 | 135 | 34 | 12 | 23 | 112 |
| 194 | singar2 [Rattus norvegicus] | gi\|145967404 | 55 | 117 | 38 | 15 | 27 | 90 |
| 195 | SEC31-like 1 (S. cerevisiae), isoform CRA_a [Rattus norvegicus] | gi\|149046798 (+2) | 135 | 123 | 23 | 26 | 33 | 90 |
| 196 | proteasome (prosome, macropain) 26S subunit, non-ATPase, 11 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149053606 | 56 | 141 | 3 | 22 | 23 | 118 |
| 197 | RAB14, member RAS oncogene family [Mus musculus], gi\|19923483\|ref\|NP_057406.2\| GTPase Rab14 [Homo sapiens], gi\|55926076\|ref\|NP_001007505.1\| rab14, member ras oncogene family [Xenopus (Silurana) tropicalis], gi\|61098298\|ref\|NP_001012814.1\| RAB14, member RA | gi\|18390323 | 24 | 148 | 29 | 7 | 16 | 132 |
| 198 | aspartyl-tRNA synthetase [Rattus norvegicus], gi\|135099\|sp\|P15178.1\|SYDC_RAT RecName: Full=Aspartyl-tRNA synthetase, cytoplasmic; AltName: Full=Aspartate--tRNA ligase; Short=AspRS, gi\|203066\|gb\|AAA40789.1\| aspartyl-tRNA synthetase, gi\|1773257\|gb\|AAC52981. | gi\|16758642 | 57 | 139 | 7 | 20 | 22 | 117 |
| 199 | arginyl-tRNA synthetase (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149052278 | 67 | 123 | 6 | 42 | 44 | 79 |
| 200 | phospholipase C, gamma 1, isoform CRA_a [Rattus norvegicus] | gi\|149043040 (+2) | 148 | 112 | 40 | 27 | 40 | 72 |
| 201 | RecName: Full=Apolipoprotein B-100; Short=Apo B-100; Contains: RecName: Full=Apolipoprotein B-48; Short=Apo B-48; Flags: Precursor, gi\|32492562\|gb\|AAP85369.1\| Aa1064 [Rattus norvegicus], gi\|32527695\|gb\|AAP86249.1\| Ac1-060 [Rattus norvegicus] | gi\|81894378 | 536 | 121 | 51 | 1 | 17 | 104 |
| 202 | phosphofructokinase, liver [Rattus norvegicus], gi\|400095\|sp\|P30835.3\|K6PL_RAT RecName: Full=6-phosphofructokinase, liver type; AltName: Full=Phosphofructokinase 1; AltName: Full=Phosphohexokinase; AltName: Full=Phosphofructo-1-kinase isozyme B; Short=PFK | gi\|6981352 | 85 | 127 | 16 | 26 | 31 | 96 |
| 203 | dynein cytoplasmic 1 light intermediate chain 1 [Rattus norvegicus] | gi\|149018342 | 57 | 136 | 2 | 35 | 36 | 100 |
| 204 | tripartite motif-containing 2 [Rattus norvegicus], gi\|149048249\|gb\|EDM00825.1\| tripartite motif protein 2 [Rattus norvegicus] | gi\|157818847 | 83 | 122 | 18 | 25 | 31 | 91 |
| 205 | bisphosphoglycerate mutase 1 [Mus musculus], gi\|226496801\|ref\|NP_001141260.1\| hypothetical protein LOC100273347 [Zea mays], gi\|20178035\|sp\|Q9DBJ1.3\|PGAM1_MOUSE RecName: Full=Phosphoglycerate mutase 1; AltName: Full=Phosphoglycerate mutase isozyme B; Short | gi\|114326546 | 29 | 106 | 41 | 16 | 29 | 77 |
| 206 | suppressor of Ty 16 homolog [Rattus norvegicus], gi\|149033673\|gb\|EDL88471.1\| suppressor of Ty 16 homolog (S. cerevisiae) (predicted) [Rattus norvegicus] | gi\|157821845 | 120 | 84 | 51 | 17 | 33 | 51 |
| 207 | proteasome (prosome, macropain) 28 subunit, beta, isoform CRA_a [Rattus norvegicus] | gi\|149063974 (+1) | 26 | 157 | 14 | 5 | 9 | 148 |
| 208 | preproapolipoprotein A-I [Rattus norvegicus] | gi\|55747 (+1) | 30 | 95 | 76 | 0 | 24 | 71 |
| 209 | actin related protein 2/3 complex, subunit 2 [Rattus norvegicus], gi\|149016091\|gb\|EDL75337.1\| actin related protein 2/3 complex, subunit 2 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157817229 | 34 | 135 | 11 | 5 | 8 | 127 |
| 210 | stress-induced phosphoprotein 1 [Rattus norvegicus], gi\|54036435\|sp\|O35814.1\|STIP1_RAT RecName: Full=Stress-induced-phosphoprotein 1; Short=STI1; AltName: Full=Hsc70/Hsp90-organizing protein; Short=Hop, gi\|2511703\|emb\|CAA75351.1\| p60 protein [Rattus norve | gi\|20302113 | 63 | 88 | 59 | 0 | 19 | 69 |
| 211 | ubiquilin 2 [Rattus norvegicus], gi\|149031365\|gb\|EDL86363.1\| ubiquilin 2 (predicted) [Rattus norvegicus] | gi\|157818175 | 67 | 121 | 41 | 6 | 19 | 102 |
| 212 | microtubule-associated protein, RP/EB family, member 1 [Rattus norvegicus], gi\|60389848\|sp\|Q66HR2.3\|MARE1_RAT RecName: Full=Microtubule-associated protein RP/EB family member 1; AltName: Full=APC-binding protein EB1; AltName: Full=End-binding protein 1; S | gi\|78097100 | 30 | 107 | 41 | 4 | 17 | 90 |
| 213 | guanine nucleotide binding protein, alpha q polypeptide [Mus musculus], gi\|74184519\|dbj\|BAE27882.1\| unnamed protein product [Mus musculus], gi\|77386135\|gb\|ABA77547.1\| guanine nucleotide binding protein q polypeptide [Cricetulus griseus], gi\|117616372\|gb\|A | gi\|84662745 | 42 | 122 | 5 | 30 | 32 | 90 |
| 214 | rCG59785, isoform CRA_a [Rattus norvegicus] | gi\|149066599 | 103 | 118 | 0 | 36 | 36 | 82 |
| 215 | kinesin family member 21B [Rattus norvegicus], gi\|149058510\|gb\|EDM09667.1\| kinesin family member 21B (predicted) [Rattus norvegicus] | gi\|157821213 | 183 | 105 | 28 | 30 | 39 | 66 |
| 216 | rCG48740, isoform CRA_c [Rattus norvegicus] | gi\|149066999 (+2) | 45 | 104 | 22 | 25 | 32 | 72 |
| 217 | RAB7A, member RAS oncogene family [Rattus norvegicus], gi\|1710001\|sp\|P09527.2\|RAB7A_RAT RecName: Full=Ras-related protein Rab-7a; AltName: Full=Ras-related protein p23; AltName: Full=Ras-related protein BRL-RAS, gi\|51247924\|pdb\|1VG0\|B Chain B, The Crystal | gi\|13027392 | 24 | 109 | 32 | 7 | 17 | 92 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 218 | prolyl endopeptidase [Rattus norvegicus], gi\|81861326\|sp\|O70196.1\|PPCE_RAT RecName: Full=Prolyl endopeptidase; Short=PE; AltName: Full=Post-proline cleaving enzyme; AltName: Full=rPop, gi\|3043760\|dbj\|BAA25544.1\| rPOP [Rattus norvegicus] | gi\|13786144 (+1) | 81 | 112 | 18 | 32 | 38 | 74 |
| 219 | rCG32615, isoform CRA_a [Rattus norvegicus], gi\|165970759\|gb\|AAI58857.1\| Rab5c protein [Rattus norvegicus] | gi\|149054244 | 23 | 129 | 32 | 6 | 16 | 113 |
| 220 | X-prolyl aminopeptidase (aminopeptidase P) 1, soluble, isoform CRA_a [Rattus norvegicus] | gi\|149040371 | 75 | 106 | 23 | 17 | 24 | 82 |
| 221 | otubain 1 [Mus musculus], gi\|157821731\|ref\|NP_001099802.1\| OTU domain, ubiquitin aldehyde binding 1 [Rattus norvegicus], gi\|149270309\|ref\|XP_001476636.1\| PREDICTED: similar to OTU domain, ubiquitin aldehyde binding 1 [Mus musculus], gi\|44888264\|sp\|Q7TQI3. | gi\|19527388 | 31 | 89 | 44 | 15 | 29 | 60 |
| 222 | PREDICTED: similar to ubiquitin-conjugating enzyme E2O [Rattus norvegicus] | gi\|109489413 | 143 | 79 | 70 | 9 | 31 | 48 |
| 223 | Dync1li2 protein [Rattus norvegicus] | gi\|60422784 | 54 | 107 | 3 | 32 | 33 | 74 |
| 224 | PREDICTED: similar to eukaryotic translation initiation factor 4, gamma 1 isoform a [Rattus norvegicus], gi\|109494661\|ref\|XP_001060756.1\| PREDICTED: similar to eukaryotic translation initiation factor 4, gamma 1 isoform a [Rattus norvegicus] | gi\|62658155 | 176 | 103 | 37 | 27 | 39 | 64 |
| 225 | Ca2+-dependent secretion activator, isoform CRA_a [Rattus norvegicus] | gi\|149040049 | 153 | 81 | 62 | 16 | 36 | 45 |
| 226 | maternal embryonic message 3 [Rattus norvegicus], gi\|149032606\|gb\|EDL87476.1\| vacuolar protein sorting 35 (mapped), isoform CRA_b [Rattus norvegicus] | gi\|205360969 | 92 | 134 | 6 | 28 | 30 | 104 |
| 227 | coxsackie-adenovirus-receptor homolog [Rattus norvegicus] | gi\|6013135 (+1) | 39 | 117 | 2 | 38 | 39 | 78 |
| 228 | COP9 signalosome subunit 4 [Rattus norvegicus], gi\|56405004\|sp\|Q68FS2.1\|CSN4_RAT RecName: Full=COP9 signalosome complex subunit 4; Short=Signalosome subunit 4; Short=SGN4; AltName: Full=JAB1-containing signalosome subunit 4, gi\|51259458\|gb\|AAH79384.1\| COP | gi\|51948518 | 46 | 123 | 10 | 16 | 19 | 104 |
| 229 | dipeptidyl peptidase III [Rattus norvegicus], gi\|13626316\|sp\|O55096.2\|DPP3_RAT RecName: Full=Dipeptidyl-peptidase 3; AltName: Full=Dipeptidyl-peptidase III; Short=DPP III; AltName: Full=Dipeptidyl aminopeptidase III; AltName: Full=Dipeptidyl arylamidase I | gi\|16758578 | 83 | 103 | 57 | 0 | 18 | 85 |
| 230 | damage-specific DNA binding protein 1 [Rattus norvegicus] | gi\|149062405 | 127 | 105 | 46 | 5 | 19 | 86 |
| 231 | radixin [Rattus norvegicus] | gi\|40804379 (+1) | 69 | 110 | 26 | 0 | 8 | 102 |
| 232 | capping protein (actin filament) muscle Z-line, alpha 2 [Mus musculus], gi\|57163991\|ref\|NP_001009180.1\| capping protein (actin filament) muscle Z-line, alpha 2 [Rattus norvegicus], gi\|1345696\|sp\|P47754.3\|CAZA2_MOUSE RecName: Full=F-actin-capping protein s | gi\|6671672 | 33 | 95 | 50 | 8 | 24 | 71 |
| 233 | acidic (leucine-rich) nuclear phosphoprotein 32 family, member E, isoform CRA_b [Rattus norvegicus] | gi\|149030622 (+3) | 29 | 113 | 33 | 25 | 35 | 78 |
| 234 | adaptor-related protein complex 3, beta 2 subunit (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149057364 | 117 | 72 | 34 | 24 | 35 | 37 |
| 235 | coatomer protein complex, subunit beta 2 (beta prime) [Rattus norvegicus] | gi\|149018820 (+1) | 102 | 120 | 12 | 18 | 22 | 98 |
| 236 | protein arginine methyltransferase 5 [Rattus norvegicus], gi\|149063904\|gb\|EDM14174.1\| protein arginine N-methyltransferase 5 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|184160976 | 73 | 118 | 5 | 19 | 21 | 97 |
| 237 | elongation protein 2 homolog [Rattus norvegicus], gi\|83305835\|sp\|Q496Z0.1\|ELP2_RAT RecName: Full=Elongator complex protein 2; Short=ELP2; AltName: Full=STAT3-interacting protein; AltName: Full=StIP1; AltName: Full=SHINC-2, gi\|72679582\|gb\|AAI00662.1\| Elong | gi\|77628045 | 92 | 117 | 3 | 21 | 22 | 95 |
| 238 | rCG48390, isoform CRA_b [Rattus norvegicus] | gi\|149062533 | 41 | 99 | 29 | 35 | 44 | 55 |
| 239 | N-acetylneuraminic acid synthase [Rattus norvegicus], gi\|149045842\|gb\|EDL98842.1\| N-acetylneuraminic acid synthase (sialic acid synthase) (predicted), isoform CRA_a [Rattus norvegicus], gi\|171847415\|gb\|AAI61979.1\| N-acetylneuraminic acid synthase [Rattus | gi\|164663874 | 40 | 70 | 42 | 33 | 46 | 24 |
| 240 | rCG23159, isoform CRA_a [Rattus norvegicus], gi\|149030115\|gb\|EDL85192.1\| rCG23159, isoform CRA_a [Rattus norvegicus] | gi\|149030114 | 41 | 74 | 51 | 30 | 46 | 28 |
| 241 | Psmd8 protein [Rattus norvegicus] | gi\|77748475 | 32 | 101 | 6 | 14 | 16 | 85 |
| 242 | tubulin folding cofactor B [Rattus norvegicus], gi\|109458545\|ref\|XP_001071286.1\| PREDICTED: similar to Tubulin-specific chaperone B (Tubulin folding cofactor B) (Cytoskeleton-associated protein 1) (Cytoskeleton-associated protein CKAPI) [Rattus norvegicus | gi\|93277119 | 27 | 107 | 28 | 18 | 27 | 80 |
| 243 | PREDICTED: similar to myosin XVIIIa [Rattus norvegicus] | gi\|109491389 (+1) | 233 | 102 | 15 | 31 | 36 | 66 |
| 244 | protein kinase, cAMP dependent regulatory, type II beta [Rattus norvegicus], gi\|400117\|sp\|P12369.3\|KAP3_RAT RecName: Full=cAMP-dependent protein kinase type II-beta regulatory subunit, gi\|149051089\|gb\|EDM03262.1\| protein kinase, cAMP dependent regulatory, | gi\|158081759 (+1) | 46 | 85 | 26 | 35 | 43 | 42 |
| 245 | protein kinase, cAMP dependent, catalytic, beta (predicted), isoform CRA_d [Rattus norvegicus] | gi\|149026195 (+3) | 46 | 86 | 25 | 30 | 38 | 48 |
| 246 | rCG50095 [Rattus norvegicus] | gi\|149064751 | 31 | 88 | 33 | 37 | 47 | 41 |
| 247 | SUMO1 activating enzyme subunit 1 [Rattus norvegicus], gi\|81884451\|sp\|Q6AXQ0.1\|SAE1_RAT RecName: Full=SUMO-activating enzyme subunit 1; AltName: Full=Ubiquitin-like 1-activating enzyme E1A, gi\|50925905\|gb\|AAH79411.1\| SUMO1 activating enzyme subunit 1 [Rat | gi\|58865692 | 39 | 81 | 59 | 14 | 33 | 48 |
| 248 | ribonucleotide reductase M1 [Rattus norvegicus], gi\|55250768\|gb\|AAH85906.1\| Ribonucleotide reductase M1 [Rattus norvegicus], gi\|149068638\|gb\|EDM18190.1\| ribonucleotide reductase M1 (mapped), isoform CRA_b [Rattus norvegicus] | gi\|61557388 | 90 | 125 | 22 | 6 | 13 | 112 |
| 249 | JTV1 [Rattus norvegicus], gi\|123780052\|sp\|Q32PX2.1\|MCA2_RAT RecName: Full=Multisynthetase complex auxiliary component p38; AltName: Full=Protein JTV-1, gi\|81294208\|gb\|AAI07948.1\| JTV1 gene [Rattus norvegicus] | gi\|82654218 | 35 | 97 | 1 | 46 | 46 | 51 |
| 250 | minichromosome maintenance complex component 7 [Rattus norvegicus], gi\|50925575\|gb\|AAH78973.1\| Minichromosome maintenance deficient 7 (S. cerevisiae) [Rattus norvegicus], gi\|149028524\|gb\|EDL83896.1\| minichromosome maintenance deficient 7 (S. cerevisiae), | gi\|148747275 (+1) | 81 | 99 | 8 | 44 | 47 | 52 |
| 251 | PREDICTED: similar to delta isoform of regulatory subunit B56, protein phosphatase 2A isoform 1 [Rattus norvegicus], gi\|109486753\|ref\|XP_001065844.1\| PREDICTED: similar to delta isoform of regulatory subunit B56, protein phosphatase 2A isoform 1 [Rattus n | gi\|109485787 (+1) | 77 | 88 | 22 | 22 | 29 | 59 |
| 252 | Acidic (leucine-rich) nuclear phosphoprotein 32 family, member A [Rattus norvegicus] | gi\|56388748 (+1) | 29 | 91 | 32 | 20 | 30 | 61 |
| 253 | adducin 1 (alpha), isoform CRA_a [Rattus norvegicus] | gi\|149047419 | 70 | 117 | 8 | 16 | 19 | 98 |
| 254 | Mapt protein [Rattus norvegicus], gi\|149054486\|gb\|EDM06303.1\| rCG32645, isoform CRA_g [Rattus norvegicus] | gi\|116487733 | 36 | 82 | 38 | 0 | 12 | 70 |
| 255 | RecName: Full=Protein SET; AltName: Full=Phosphatase 2A inhibitor I2PP2A; Short=I-2PP2A; AltName: Full=Template-activating factor I; Short=TAF-I; AltName: Full=Liver regeneration-related protein LRRGR00002, gi\|2144099\|pir\|\|I51908 Set alpha isoform - rat, | gi\|46396568 (+1) | 33 | 106 | 44 | 1 | 15 | 91 |
| 256 | vinculin (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149031250 (+1) | 124 | 89 | 56 | 0 | 18 | 71 |
| 257 | nucleophosmin (nucleolar phosphoprotein B23, numatrin) [Rattus norvegicus], gi\|114763\|sp\|P13084.1\|NPM_RAT RecName: Full=Nucleophosmin; Short=NPM; AltName: Full=Nucleolar phosphoprotein B23; AltName: Full=Numatrin; AltName: Full=Nucleolar protein NO38, gi\| | gi\|7242160 | 33 | 95 | 23 | 23 | 30 | 65 |
| 258 | spectrin beta 3 [Rattus norvegicus] | gi\|149061992 (+1) | 271 | 67 | 34 | 36 | 47 | 20 |
| 259 | coatomer protein complex, subunit beta 1 [Rattus norvegicus], gi\|116923\|sp\|P23514.1\|COPB_RAT RecName: Full=Coatomer subunit beta; AltName: Full=Beta-coat protein; Short=Beta-COP, gi\|55819\|emb\|CAA40505.1\| beta COP [Rattus norvegicus], gi\|38197648\|gb\|AAH618 | gi\|18158449 | 107 | 81 | 13 | 24 | 28 | 53 |
| 260 | aplysia ras-related homolog A2 [Rattus norvegicus], gi\|31542143\|ref\|NP_058082.2\| ras homolog gene family, member A [Mus musculus], gi\|13633865\|sp\|Q9QUI0.1\|RHOA_MOUSE RecName: Full=Transforming protein RhoA; Flags: Precursor, gi\|47605935\|sp\|P61589.1\|RHOA_R | gi\|16923986 | 22 | 117 | 19 | 0 | 6 | 111 |
| 261 | neuronal cell adhesion molecule long isoform Nc1 [Rattus norvegicus] | gi\|46369969 (+5) | 133 | 97 | 36 | 8 | 19 | 78 |
| 262 | exportin 5 (predicted) [Rattus norvegicus] | gi\|149069362 | 103 | 78 | 47 | 15 | 30 | 48 |
| 263 | PREDICTED: similar to tubulin-specific chaperone d [Rattus norvegicus] | gi\|109492428 | 134 | 69 | 44 | 10 | 24 | 45 |
| 264 | rCG46625 [Rattus norvegicus] | gi\|149064321 | 26 | 100 | 11 | 27 | 30 | 70 |
| 265 | eukaryotic translation initiation factor 3, subunit 9 (eta) [Rattus norvegicus], gi\|88909158\|sp\|Q4G061.1\|EIF3B_RAT RecName: Full=Eukaryotic translation initiation factor 3 subunit B; Short=eIF3b; AltName: Full=Eukaryotic translation initiation factor 3 su | gi\|72255511 | 91 | 101 | 2 | 39 | 40 | 61 |
| 266 | histidyl-tRNA synthetase [Rattus norvegicus], gi\|67678042\|gb\|AAH97969.1\| Histidyl-tRNA synthetase [Rattus norvegicus], gi\|149017268\|gb\|EDL76319.1\| dead end homolog 1 (zebrafish) [Rattus norvegicus] | gi\|70794762 | 57 | 104 | 29 | 2 | 11 | 93 |
| 267 | PREDICTED: similar to FK506-binding protein 4 (Peptidyl-prolyl cis-trans isomerase) (PPIase) (Rotamase) (p59 protein) (HSP-binding immunophilin) (HBI) (FKBP52 protein) (52 kDa FK506-binding protein) (FKBP59) [Rattus norvegicus] | gi\|109472679 (+2) | 62 | 76 | 40 | 11 | 24 | 52 |
| 268 | heat shock 70kDa protein 12A [Rattus norvegicus], gi\|149040506\|gb\|EDL94544.1\| heat shock 70kDa protein 12A (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157818467 | 75 | 101 | 21 | 20 | 27 | 74 |
| 269 | tumor rejection antigen gp96 [Rattus norvegicus], gi\|205716800\|sp\|Q66HD0.2\|ENPL_RAT RecName: Full=Endoplasmin; AltName: Full=Heat shock protein 90 kDa beta member 1; AltName: Full=94 kDa glucose-regulated protein; Short=GRP94; Flags: Precursor, gi\|1490673 | gi\|210032365 | 93 | 80 | 40 | 9 | 22 | 58 |
| 270 | cytoplasmic linker 2 [Rattus norvegicus] | gi\|149063106 | 116 | 94 | 10 | 15 | 18 | 76 |
| 271 | threonyl-tRNA synthetase, isoform CRA_a [Rattus norvegicus] | gi\|149027310 | 83 | 98 | 24 | 14 | 22 | 76 |
| 272 | dynactin 2 [Rattus norvegicus], gi\|81884599\|sp\|Q6AYH5.1\|DCTN2_RAT RecName: Full=Dynactin subunit 2, gi\|50926127\|gb\|AAH79042.1\| Dynactin 2 [Rattus norvegicus], gi\|149066609\|gb\|EDM16482.1\| dynactin 2, isoform CRA_a [Rattus norvegicus] | gi\|51948450 | 44 | 117 | 1 | 13 | 13 | 104 |
| 273 | dimethylarginine dimethylaminohydrolase 1 [Rattus norvegicus], gi\|6831527\|sp\|O08557.3\|DDAH1_RAT RecName: Full=N(G),N(G)-dimethylarginine dimethylaminohydrolase 1; Short=Dimethylarginine dimethylaminohydrolase 1; Short=DDAH-1; AltName: Full=DDAHI; AltName: | gi\|11560131 | 31 | 63 | 47 | 12 | 27 | 36 |
| 274 | peptidylprolyl isomerase D [Rattus norvegicus], gi\|66773787\|sp\|Q6DGG0.3\|PPID_RAT RecName: Full=40 kDa peptidyl-prolyl cis-trans isomerase; Short=PPIase; Short=Rotamase; AltName: Full=Cyclophilin-40; Short=CYP-40, gi\|49900877\|gb\|AAH76386.1\| Peptidylprolyl | gi\|51948528 | 41 | 71 | 34 | 20 | 31 | 40 |
| 275 | proteasome (prosome, macropain) 26S subunit, non-ATPase, 4 [Rattus norvegicus], gi\|3510374\|dbj\|BAA32596.1\| antisecretory factor [Rattus norvegicus], gi\|149030721\|gb\|EDL85758.1\| proteasome (prosome, macropain) 26S subunit, non-ATPase, 4, isoform CRA_a [Rat | gi\|13786158 | 41 | 108 | 2 | 24 | 25 | 83 |
| 276 | glypican 2 (cerebroglycan), isoform CRA_a [Rattus norvegicus] | gi\|149028539 (+1) | 62 | 112 | 4 | 20 | 21 | 91 |
| 277 | eukaryotic translation elongation factor 1 beta 2 [Rattus norvegicus], gi\|149046006\|gb\|EDL98899.1\| rCG22471, isoform CRA_b [Rattus norvegicus], gi\|197245749\|gb\|AAI68738.1\| Eukaryotic translation elongation factor 1 beta 2 [Rattus norvegicus] | gi\|157818179 | 25 | 96 | 13 | 22 | 26 | 70 |
| 278 | Chain A, New Crystal Forms Of A Mu Class Glutathione S-Transferase From Rat Liver, gi\|442968\|pdb\|1GSB\|B Chain B, New Crystal Forms Of A Mu Class | gi\|442967 (+1) | 26 | 69 | 50 | 4 | 20 | 49 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Glutathione S-Transferase From Rat Liver, gi\|442969\|pdb\|1GSB\|C Chain C, New Crystal Forms Of A Mu Class Glutat | | | | | | | |
| 279 | catenin (cadherin associated protein), beta 1, 88kDa [Mus musculus], gi\|399310\|sp\|Q02248.1\|CTNB1_MOUSE RecName: Full=Catenin beta-1; AltName: Full=Beta-catenin, gi\|192142\|gb\|AAA37280.1\| beta-catenin, gi\|15149346\|gb\|AAK85253.1\| beta-catenin [Rattus norvegi | gi\|6671684 | 85 | 98 | 5 | 37 | 39 | 59 |
| 280 | calpain 2 [Rattus norvegicus], gi\|543926\|sp\|Q07009.3\|CAN2_RAT RecName: Full=Calpain-2 catalytic subunit; AltName: Full=Calpain-2 large subunit; AltName: Full=Calcium-activated neutral proteinase 2; Short=CANP 2; AltName: Full=Calpain M-type; AltName: Full | gi\|8393038 (+1) | 80 | 86 | 30 | 12 | 21 | 65 |
| 281 | transportin 2 (importin 3, karyopherin beta 2b) [Rattus norvegicus], gi\|149037805\|gb\|EDL92165.1\| transportin 2 (importin 3, karyopherin beta 2b) (predicted) [Rattus norvegicus] | gi\|157821505 | 103 | 102 | 9 | 5 | 8 | 94 |
| 282 | EH-domain containing 1 [Mus musculus], gi\|58865448\|ref\|NP_001011939.1\| EH-domain containing 1 [Rattus norvegicus], gi\|109459775\|ref\|XP_001074569.1\| PREDICTED: similar to EH-domain-containing protein 1 (mPAST1) [Rattus norvegicus], gi\|109463451\|ref\|XP_0010 | gi\|7106303 | 61 | 100 | 2 | 18 | 19 | 81 |
| 283 | ADP-ribosylation factor 1 [Homo sapiens], gi\|6680716\|ref\|NP_031502.1\| ADP-ribosylation factor 1 [Mus musculus], gi\|11968098\|ref\|NP_071963.1\| ADP-ribosylation factor 1 [Rattus norvegicus], gi\|28603778\|ref\|NP_788826.1\| ADP-ribosylation factor 1 [Bos taurus] | gi\|4502201 | 21 | 82 | 54 | 0 | 17 | 65 |
| 284 | NCK-associated protein 1, isoform CRA_a [Rattus norvegicus] | gi\|149022387 (+2) | 130 | 97 | 7 | 23 | 25 | 72 |
| 285 | UDP-glucose ceramide glucosyltransferase-like 1 [Rattus norvegicus], gi\|7677176\|gb\|AAF67072.1\|AF200359_1 UDP-glucose glycoprotein:glucosyltransferase precursor [Rattus norvegicus] | gi\|19424302 (+1) | 174 | 119 | 9 | 1 | 4 | 115 |
| 286 | guanine nucleotide binding protein (G protein), alpha inhibiting 3 [Rattus norvegicus], gi\|120997\|sp\|P08753.3\|GNAI3_RAT RecName: Full=Guanine nucleotide-binding protein G(k) subunit alpha; AltName: Full=G(i) alpha-3, gi\|203164\|gb\|AAA40823.1\| GTP-binding p | gi\|6980964 (+1) | 41 | 88 | 1 | 42 | 42 | 46 |
| 287 | brain abundant, membrane attached signal protein 1 [Rattus norvegicus], gi\|730110\|sp\|Q05175.2\|BASP_RAT RecName: Full=Brain acid soluble protein 1; Short=BASP1 protein; AltName: Full=Neuronal axonal membrane protein NAP-22; AltName: Full=22 kDa neuronal ti | gi\|11560135 | 22 | 129 | 2 | 1 | 2 | 127 |
| 288 | proliferating cell nuclear antigen [Rattus norvegicus], gi\|129698\|sp\|P04961.1\|PCNA_RAT RecName: Full=Proliferating cell nuclear antigen; Short=PCNA; AltName: Full=Cyclin, gi\|56862\|emb\|CAA68261.1\| unnamed protein product [Rattus norvegicus], gi\|38014559\|gb | gi\|11693142 | 29 | 91 | 27 | 10 | 19 | 72 |
| 289 | asparaginyl-tRNA synthetase isoform 1 [Rattus norvegicus], gi\|149064471\|gb\|EDM14674.1\| rCG46601, isoform CRA_b [Rattus norvegicus] | gi\|219275589 | 64 | 95 | 11 | 20 | 23 | 72 |
| 290 | kinesin family member 5B [Rattus norvegicus], gi\|109892476\|sp\|Q2PQA9.1\|KINH_RAT RecName: Full=Kinesin-1 heavy chain; AltName: Full=Ubiquitous kinesin heavy chain; Short=UKHC; AltName: Full=Conventional kinesin heavy chain, gi\|83595210\|gb\|ABC25059.1\| kines | gi\|83776543 | 110 | 101 | 7 | 19 | 21 | 80 |
| 291 | hypothetical protein LOC679221 [Rattus norvegicus], gi\|108860788\|sp\|Q3B8Q0.1\|MARE2_RAT RecName: Full=Microtubule-associated protein RP/EB family member 2, gi\|77748365\|gb\|AAI05880.1\| Similar to Microtubule-associated protein RP/EB family member 2 (APC-bind | gi\|155369682 | 37 | 62 | 22 | 39 | 46 | 16 |
| 292 | ribosomal protein S27a [Mus musculus], gi\|13592077\|ref\|NP_112375.1\| ribosomal protein S27a [Rattus norvegicus], gi\|76443694\|ref\|NP_001029037.1\| ribosomal protein S27a [Mus musculus], gi\|82930467\|ref\|XP_889611.1\| PREDICTED: similar to fusion protein: ubiqu | gi\|13195690 | 18 | 85 | 37 | 0 | 12 | 73 |
| 293 | actin related protein 2/3 complex, subunit 1A [Rattus norvegicus], gi\|59797636\|sp\|Q99PD4.1\|ARC1A_RAT RecName: Full=Actin-related protein 2/3 complex subunit 1A, gi\|12667258\|gb\|AAK01364.1\|AF315378_1 suppressor of profilin/p41 of actin-related complex 2/3 [ | gi\|13592137 | 42 | 91 | 10 | 21 | 24 | 67 |
| 294 | COP9 constitutive photomorphogenic homolog subunit 3 [Rattus norvegicus], gi\|81884373\|sp\|Q68FW9.1\|CSN3_RAT RecName: Full=COP9 signalosome complex subunit 3; Short=Signalosome subunit 3; Short=SGN3, gi\|51260717\|gb\|AAH79143.1\| COP9 constitutive photomorphog | gi\|51948372 | 48 | 90 | 8 | 27 | 30 | 60 |
| 295 | splicing factor 3b, subunit 1 isoform 1 [Homo sapiens], gi\|153791358\|ref\|NP_112456.2\| splicing factor 3b, subunit 1 [Mus musculus], gi\|189339231\|ref\|NP_445878.1\| splicing factor 3b, subunit 1 [Rattus norvegicus], gi\|74005042\|ref\|XP_545578.2\| PREDICTED: si | gi\|54112117 | 146 | 83 | 6 | 24 | 26 | 57 |
| 296 | RAB2A, member RAS oncogene family [Rattus norvegicus], gi\|131789\|sp\|P05712.1\|RAB2A_RAT RecName: Full=Ras-related protein Rab-2A, gi\|206555\|gb\|AAA42007.1\| ras protein | gi\|13929006 | 24 | 106 | 10 | 2 | 5 | 101 |
| 297 | hypothetical protein LOC683313 [Rattus norvegicus], gi\|123781839\|sp\|Q4FZU2.1\|K2C6A_RAT RecName: Full=Keratin, type II cytoskeletal 6A; AltName: Full=Cytokeratin-6A; Short=CK 6A; AltName: Full=K6a keratin, gi\|71051822\|gb\|AAH99121.1\| LOC683313 protein [Ratt | gi\|155369696 | 59 | 85 | 40 | 4 | 17 | 68 |
| 298 | G1 to S phase transition 1 [Rattus norvegicus], gi\|50925679\|gb\|AAH79092.1\| G1 to S phase transition 1 [Rattus norvegicus], gi\|149042560\|gb\|EDL96197.1\| G1 to S phase transition 1 [Rattus norvegicus] | gi\|51571949 | 69 | 70 | 31 | 10 | 20 | 50 |
| 299 | hypothetical protein LOC309053 [Rattus norvegicus], gi\|149037235\|gb\|EDL91735.1\| similar to RIKEN cDNA 2310035C23 (predicted) [Rattus norvegicus] | gi\|197385435 | 135 | 81 | 28 | 23 | 32 | 49 |
| 300 | phosphatidylethanolamine binding protein [Rattus norvegicus], gi\|400734\|sp\|P31044.3\|PEBP1_RAT RecName: Full=Phosphatidylethanolamine-binding protein 1; Short=PEBP-1; AltName: Full=HCNPpp; AltName: Full=23 kDa morphine-binding protein; AltName: Full=P23K; | gi\|8393910 | 21 | 66 | 56 | 0 | 18 | 48 |
| 301 | RAB10, member RAS oncogene family [Mus musculus], gi\|61889071\|ref\|NP_059055.2\| RAB10, member RAS oncogene family [Rattus norvegicus], gi\|155372291\|ref\|NP_001094758.1\| ras-related GTP-binding protein RAB10 [Bos taurus], gi\|197099764\|ref\|NP_001126682.1\| RAB | gi\|7710086 | 23 | 94 | 16 | 6 | 11 | 83 |
| 302 | dynamin 1 [Rattus norvegicus], gi\|56054\|emb\|CAA38397.1\| D100 [Rattus norvegicus], gi\|123230379\|emb\|CAM15857.1\| dynamin 1 [Mus musculus], gi\|227123\|prf\|\|1614348A dynamin 1 D100 protein | gi\|18093102 | 96 | 98 | 4 | 22 | 23 | 75 |
| 303 | mitogen-activated protein kinase 1 [Mus musculus], gi\|16758698\|ref\|NP_446294.1\| mitogen-activated protein kinase 1 [Rattus norvegicus], gi\|84579909\|ref\|NP_001033752.1\| mitogen-activated protein kinase 1 [Mus musculus], gi\|52001075\|sp\|P63086.3\|MK01_RAT Rec | gi\|6754632 | 41 | 75 | 16 | 21 | 26 | 49 |
| 304 | glutaminyl-tRNA synthetase [Rattus norvegicus], gi\|51859305\|gb\|AAH82002.1\| Glutaminyl-tRNA synthetase [Rattus norvegicus], gi\|149018523\|gb\|EDL77164.1\| rCG25149, isoform CRA_a [Rattus norvegicus] | gi\|56090285 | 88 | 79 | 3 | 30 | 31 | 48 |
| 305 | protein kinase, cAMP-dependent, regulatory, type 2, alpha, isoform CRA_a [Rattus norvegicus], gi\|149018507\|gb\|EDL77148.1\| protein kinase, cAMP-dependent, regulatory, type 2, alpha, isoform CRA_a [Rattus norvegicus] | gi\|149018505 (+2) | 45 | 91 | 11 | 29 | 32 | 59 |
| 306 | meningioma expressed antigen 5 (hyaluronidase) [Rattus norvegicus], gi\|81867293\|sp\|Q8VIJ5.1\|NCOAT_RAT RecName: Full=Bifunctional protein NCOAT; AltName: Full=Nuclear cytoplasmic O-GlcNAcase and acetyltransferase; AltName: Full=Meningioma-expressed antigen | gi\|18777747 | 103 | 65 | 40 | 17 | 30 | 35 |
| 307 | PREDICTED: similar to transportin 1 [Rattus norvegicus] | gi\|109465974 (+1) | 128 | 78 | 23 | 6 | 13 | 65 |
| 308 | protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform, isoform CRA_a [Rattus norvegicus] | gi\|149030343 (+1) | 43 | 75 | 13 | 18 | 22 | 53 |
| 309 | pyrophosphatase (mapped), isoform CRA_b [Rattus norvegicus] | gi\|149038730 | 34 | 46 | 72 | 1 | 24 | 22 |
| 310 | double cortin and calcium/calmodulin-dependent protein kinase-like 1, isoform CRA_c [Rattus norvegicus] | gi\|149064748 | 57 | 76 | 26 | 20 | 28 | 48 |
| 311 | heterogeneous nuclear ribonucleoprotein F [Mus musculus], gi\|25742579\|ref\|NP_071792.1\| heterogeneous nuclear ribonucleoprotein F [Rattus norvegicus], gi\|82546815\|ref\|NP_001032362.1\| heterogeneous nuclear ribonucleoprotein F [Rattus norvegicus], gi\|8254681 | gi\|19527048 | 46 | 72 | 36 | 13 | 24 | 48 |
| 312 | translation initiation factor eIF-2B subunit alpha/beta/delta-like protein [Rattus norvegicus], gi\|81882932\|sp\|Q5HZE4.1\|MTNA_RAT RecName: Full=Methylthioribose-1-phosphate isomerase; Short=MTR-1-P isomerase; Short=M1Pi; AltName: Full=S-methyl-5-thioribose | gi\|58219514 | 40 | 61 | 26 | 26 | 34 | 27 |
| 313 | rCG52086, isoform CRA_a [Rattus norvegicus] | gi\|149030303 | 62 | 99 | 0 | 17 | 17 | 82 |
| 314 | RecName: Full=Tropomyosin alpha-3 chain; AltName: Full=Tropomyosin-3; AltName: Full=Gamma-tropomyosin; AltName: Full=Tropomyosin-5, gi\|438878\|gb\|AAA21721.1\| tropomyosin, gi\|149048012\|gb\|EDM00588.1\| rCG62531, isoform CRA_b [Rattus norvegicus] | gi\|148840439 | 29 | 69 | 54 | 0 | 17 | 52 |
| 315 | calponin 3, acidic [Rattus norvegicus], gi\|584956\|sp\|P37397.1\|CNN3_RAT RecName: Full=Calponin-3; AltName: Full=Calponin, acidic isoform; AltName: Full=Calponin, non-muscle isoform, gi\|458454\|gb\|AAA18590.1\| acidic calponin, gi\|38303945\|gb\|AAH62020.1\| Calpo | gi\|9506501 | 36 | 72 | 34 | 10 | 21 | 51 |
| 316 | ARP3 actin-related protein 3 homolog [Mus musculus], gi\|70912366\|ref\|NP_112330.1\| ARP3 actin-related protein 3 homolog [Rattus norvegicus], gi\|47116573\|sp\|Q99JY9.3\|ARP3_MOUSE RecName: Full=Actin-related protein 3; AltName: Full=Actin-like protein 3, gi\|81 | gi\|23956222 | 47 | 103 | 12 | 5 | 9 | 94 |
| 317 | caspase 3 [Rattus norvegicus], gi\|2506263\|sp\|P55213.2\|CASP3_RAT RecName: Full=Caspase-3; Short=CASP-3; AltName: Full=Apopain; AltName: Full=Cysteine protease CPP32; Short=CPP-32; AltName: Full=Yama protein; AltName: Full=SREBP cleavage activity 1; Short=S | gi\|6978605 | 31 | 81 | 26 | 6 | 14 | 67 |
| 318 | peroxiredoxin 1 [Rattus norvegicus], gi\|2499470\|sp\|Q63716.1\|PRDX1_RAT RecName: Full=Peroxiredoxin-1; AltName: Full=Thioredoxin peroxidase 2; AltName: Full=Thioredoxin-dependent peroxide reductase 2; AltName: Full=Heme-binding 23 kDa protein; AltName: Full | gi\|16923958 | 22 | 65 | 47 | 2 | 17 | 48 |
| 319 | nuclear matrix protein SNEV [Mus musculus], gi\|74095899\|ref\|NP_647549.2\| PRP19/PSO4 pre-mRNA processing factor 19 homolog [Rattus norvegicus], gi\|55976574\|sp\|Q99KP6.1\|PRP19_MOUSE RecName: Full=Pre-mRNA-processing factor 19; AltName: Full=PRP19/PSO4 homolo | gi\|19527358 | 55 | 68 | 18 | 20 | 26 | 42 |
| 320 | fructose-bisphosphate aldolase C [Rattus norvegicus], gi\|113615\|sp\|P09117.3\|ALDOC_RAT RecName: Full=Fructose-bisphosphate aldolase C; AltName: Full=Brain-type aldolase, gi\|202842\|gb\|AAA40717.1\| aldolase C, gi\|4519576\|dbj\|BAA75659.1\| aldolase C [Rattus nor | gi\|6978489 | 39 | 88 | 28 | 6 | 15 | 73 |
| 321 | actin related protein 2/3 complex subunit 4 isoform a [Homo sapiens], gi\|13386054\|ref\|NP_080828.1\| actin related protein 2/3 complex, subunit 4 [Mus musculus], gi\|115495705\|ref\|NP_001069631.1\| actin related protein 2/3 complex, subunit 4 [Bos taurus], gi\| | gi\|5031595 | 20 | 94 | 18 | 0 | 6 | 88 |
| 322 | PREDICTED: similar to Myristoylated alanine-rich C-kinase substrate (MARCKS) (Protein kinase C substrate 80 kDa protein) [Rattus norvegicus] | gi\|109509584 (+1) | 30 | 102 | 7 | 0 | 2 | 100 |
| 323 | seryl-aminoacyl-tRNA synthetase 1, isoform CRA_a [Rattus norvegicus] | gi\|149025695 | 61 | 94 | 8 | 0 | 3 | 91 |
| 324 | G-protein signaling modulator 1 (AGS3-like, C. elegans) isoform a [Rattus norvegicus], gi\|149039294\|gb\|EDL93514.1\| G-protein signalling modulator 1 (AGS3-like, C. elegans), isoform CRA_c [Rattus norvegicus] | gi\|224451084 | 74 | 54 | 29 | 19 | 28 | 26 |
| 325 | ATPase, H+ transporting, V1 subunit E isoform 1, isoform CRA_a [Rattus norvegicus] | gi\|149049573 | 26 | 79 | 21 | 12 | 19 | 60 |
| 326 | basic leucine zipper and W2 domains 2 [Rattus norvegicus], gi\|81882072\|sp\|Q9WTT7.1\|BZW2_RAT RecName: Full=Basic leucine zipper and W2 domain-containing protein 2; AltName: Full=Brain development-related molecule 2, gi\|4426565\|gb\|AAD20436.1\| unknown [Rattu | gi\|19705527 | 48 | 94 | 12 | 7 | 11 | 83 |
| 327 | COP9 constitutive photomorphogenic homolog subunit 5 [Rattus norvegicus], gi\|68534551\|gb\|AAH98736.1\| COP9 constitutive photomorphogenic homolog subunit 5 (Arabidopsis) [Rattus norvegicus], gi\|149060940\|gb\|EDM11550.1\| COP9 (constitutive photomorphogenic) h | gi\|71043620 | 38 | 70 | 19 | 23 | 29 | 41 |
| 328 | ras related v-ral simian leukemia viral oncogene homolog A [Rattus norvegicus], gi\|34328471\|ref\|NP_062364.3\| ras related v-ral simian leukemia viral oncogene homolog A [Mus musculus], gi\|54038996\|sp\|P63322.1\|RALA_RAT RecName: Full=Ras-related protein Ral- | gi\|13592039 | 24 | 99 | 6 | 6 | 8 | 91 |
| 329 | PREDICTED: similar to DNA replication licensing factor MCM3 (DNA polymerase alpha holoenzyme-associated protein P1) (P1-MCM3) [Rattus norvegicus] | gi\|109486863 | 92 | 84 | 20 | 10 | 16 | 68 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 330 | COP9 (constitutive photomorphogenic) homolog, subunit 7b (Arabidopsis thaliana) (predicted), isoform CRA_a [Rattus norvegicus], gi\|149016358\|gb\|EDL75604.1\| COP9 (constitutive photomorphogenic) homolog, subunit 7b (Arabidopsis thaliana) (predicted), isofor | gi\|149016354 | 30 | 92 | 11 | 14 | 17 | 75 |
| 331 | PREDICTED: similar to hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain (RLD) 2 [Rattus norvegicus] | gi\|109495994 | 492 | 59 | 1 | 32 | 32 | 27 |
| 332 | esterase D/formylglutathione hydrolase [Rattus norvegicus], gi\|193806001\|sp\|B0BNE5.1\|ESTD_RAT RecName: Full=S-formylglutathione hydrolase; Short=FGH; AltName: Full=Esterase D, gi\|149049957\|gb\|EDM02281.1\| esterase D/formylglutathione hydrolase (mapped), is | gi\|157823267 | 31 | 55 | 33 | 15 | 25 | 30 |
| 333 | thimet oligopeptidase 1 [Rattus norvegicus], gi\|189038855\|sp\|P24155.4\|THOP1_RAT RecName: Full=Thimet oligopeptidase; AltName: Full=Endo-oligopeptidase A; AltName: Full=Endopeptidase 24.15; AltName: Full=PZ-peptidase; AltName: Full=Soluble metallo-endopept | gi\|126723582 | 78 | 43 | 62 | 5 | 25 | 18 |
| 334 | Rho GDP dissociation inhibitor (GDI) alpha [Mus musculus], gi\|55742827\|ref\|NP_001007006.1\| Rho GDP dissociation inhibitor (GDI) alpha [Rattus norvegicus], gi\|21759130\|sp\|Q99PT1.3\|GDIR1_MOUSE RecName: Full=Rho GDP-dissociation inhibitor 1; Short=Rho GDI 1; | gi\|31982030 | 23 | 71 | 39 | 4 | 16 | 55 |
| 335 | catenin (cadherin associated protein), alpha 2 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149036451 | 102 | 90 | 1 | 11 | 11 | 79 |
| 336 | splicing factor 3b, subunit 3 [Rattus norvegicus], gi\|149038189\|gb\|EDL92549.1\| splicing factor 3b, subunit 3 (predicted) [Rattus norvegicus] | gi\|157822163 | 72 | 79 | 21 | 8 | 15 | 64 |
| 337 | cullin 3 [Rattus norvegicus], gi\|149016247\|gb\|EDL75493.1\| cullin 3 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157818315 | 86 | 87 | 8 | 17 | 20 | 67 |
| 338 | protein-L-isoaspartate (D-aspartate) O-methyltransferase 1, isoform CRA_b [Rattus norvegicus] | gi\|149039521 (+2) | 30 | 66 | 32 | 15 | 25 | 41 |
| 339 | coatomer protein complex, subunit gamma [Rattus norvegicus], gi\|123797612\|sp\|Q4AEF8.1\|COPG_RAT RecName: Full=Coatomer subunit gamma; AltName: Full=Gamma-coat protein; Short=Gamma-COP, gi\|71891597\|dbj\|BAE16997.1\| coatomer protein complex, subunit gamma [Ra | gi\|73532768 | 98 | 75 | 6 | 25 | 27 | 48 |
| 340 | lysyl-tRNA synthetase [Rattus norvegicus], gi\|53733461\|gb\|AAH83652.1\| Lysyl-tRNA synthetase [Rattus norvegicus], gi\|149038242\|gb\|EDL92602.1\| lysyl-tRNA synthetase, isoform CRA_b [Rattus norvegicus] | gi\|55741637 | 72 | 76 | 0 | 21 | 21 | 55 |
| 341 | prolyl endopeptidase-like [Rattus norvegicus], gi\|57921016\|gb\|AAH89111.1\| Prolyl endopeptidase-like [Rattus norvegicus], gi\|149050505\|gb\|EDM02678.1\| similar to RIKEN cDNA D030028O16 [Rattus norvegicus] | gi\|58219516 | 73 | 67 | 5 | 25 | 27 | 40 |
| 342 | squamous cell carcinoma antigen recognized by T-cells 3 [Rattus norvegicus], gi\|149063643\|gb\|EDM13966.1\| squamous cell carcinoma antigen recognized by T-cells 3 (predicted) [Rattus norvegicus] | gi\|157820585 | 109 | 59 | 16 | 24 | 29 | 30 |
| 343 | PREDICTED: similar to ubiquitin protein ligase E3A isoform 2 [Rattus norvegicus], gi\|109462056\|ref\|XP_001055915.1\| PREDICTED: similar to ubiquitin protein ligase E3A isoform 2 [Rattus norvegicus] | gi\|109458840 | 98 | 76 | 14 | 17 | 21 | 55 |
| 344 | phosphoribosyl pyrophosphate synthetase-associated protein 2 [Rattus norvegicus], gi\|73955994\|ref\|XP_546654.2\| PREDICTED: similar to phosphoribosyl pyrophosphate synthetase-associated protein 2 isoform 1 [Canis familiaris], gi\|24418482\|sp\|O08618.1\|KPRB_RA | gi\|16923984 | 41 | 86 | 8 | 13 | 16 | 70 |
| 345 | cell division cycle 42 isoform 1 [Homo sapiens], gi\|6753364\|ref\|NP_033991.1\| cell division cycle 42 [Mus musculus], gi\|55742784\|ref\|NP_001003254.1\| cell division cycle 42 [Canis lupus familiaris], gi\|61889112\|ref\|NP_741991.3\| cell division cycle 42 [Rattu | gi\|4757952 | 21 | 81 | 24 | 0 | 8 | 73 |
| 346 | ADP-ribosylation factor-like 8A [Mus musculus], gi\|157818451\|ref\|NP_001102541.1\| ADP-ribosylation factor-like 8A [Rattus norvegicus], gi\|81902053\|sp\|Q8VEH3.1\|ARL8A_MOUSE RecName: Full=ADP-ribosylation factor-like protein 8A; AltName: Full=ADP-ribosylation | gi\|23956194 | 21 | 94 | 15 | 0 | 5 | 89 |
| 347 | actin-related protein 10 homolog ARP10 actin-related protein 10 homolog [Rattus norvegicus], gi\|56541122\|gb\|AAH87143.1\| Actin-related protein 10 homolog (S. cerevisiae) [Rattus norvegicus], gi\|149051386\|gb\|EDM03559.1\| ARP10 actin-related protein 10 homolo | gi\|57527131 | 46 | 79 | 0 | 29 | 29 | 50 |
| 348 | testicular dynamin [Rattus norvegicus] | gi\|391872 | 96 | 79 | 2 | 14 | 15 | 64 |
| 349 | phosphoglycerate dehydrogenase [Rattus norvegicus], gi\|3122856\|sp\|O08651.3\|SERA_RAT RecName: Full=D-3-phosphoglycerate dehydrogenase; Short=3-PGDH, gi\|1944614\|emb\|CAA66374.1\| D-3-phosphoglycerate dehydrogenase [Rattus norvegicus], gi\|7688285\|emb\|CAB89828. | gi\|13928850 | 56 | 73 | 28 | 11 | 20 | 53 |
| 350 | rCG38346, isoform CRA_d [Rattus norvegicus] | gi\|149028082 (+1) | 110 | 61 | 30 | 12 | 21 | 40 |
| 351 | 6-phosphogluconolactonase (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149036104 (+1) | 39 | 78 | 29 | 5 | 14 | 64 |
| 352 | RecName: Full=Hypoxia up-regulated protein 1; AltName: Full=150 kDa oxygen-regulated protein; AltName: Full=Orp150; Flags: Precursor, gi\|1480453\|gb\|AAB05672.1\| 150 kDa oxygen regulated protein | gi\|10720174 (+1) | 111 | 68 | 23 | 6 | 13 | 55 |
| 353 | contactin 2 [Rattus norvegicus] | gi\|149058636 | 113 | 73 | 22 | 3 | 10 | 63 |
| 354 | tubulin tyrosine ligase-like family, member 12 (predicted) [Rattus norvegicus] | gi\|149065748 (+1) | 79 | 54 | 20 | 18 | 24 | 30 |
| 355 | Rtn3 protein [Rattus norvegicus] | gi\|120538101 (+1) | 28 | 84 | 2 | 5 | 6 | 78 |
| 356 | eukaryotic translation initiation factor 3, subunit 6 interacting protein [Rattus norvegicus] | gi\|149065953 | 67 | 78 | 0 | 25 | 25 | 53 |
| 357 | RecName: Full=Aspartate aminotransferase, cytoplasmic; AltName: Full=Transaminase A; AltName: Full=Glutamate oxaloacetate transaminase 1, gi\|345752\|pir\|\|S29028 aspartate transaminase (EC 2.6.1.1) (clone 8C7) - human, gi\|38197390\|gb\|AAH61877.1\| Glutamic-ox | gi\|122065118 | 46 | 59 | 51 | 0 | 16 | 43 |
| 358 | RAB1B, member RAS oncogene family [Rattus norvegicus], gi\|109463007\|ref\|XP_001052971.1\| PREDICTED: similar to Ras-related protein Rab-1B [Rattus norvegicus], gi\|149042337\|gb\|EDL96044.1\| rCG63295 [Rattus norvegicus], gi\|149062037\|gb\|EDM12460.1\| rCG48149, i | gi\|158341664 | 22 | 76 | 11 | 11 | 14 | 62 |
| 359 | RAD23 homolog B [Rattus norvegicus], gi\|123789085\|sp\|Q4KMA2.1\|RD23B_RAT RecName: Full=UV excision repair protein RAD23 homolog B, gi\|68534740\|gb\|AAH98674.1\| RAD23 homolog B (S. cerevisiae) [Rattus norvegicus], gi\|149037170\|gb\|EDL91701.1\| RAD23b homolog (S | gi\|70778952 | 43 | 75 | 24 | 2 | 10 | 65 |
| 360 | cullin 5 [Rattus norvegicus], gi\|13124593\|sp\|Q9JJ31.3\|CUL5_RAT RecName: Full=Cullin-5; Short=CUL-5; AltName: Full=Vasopressin-activated calcium-mobilizing receptor; AltName: Full=VACM-1, gi\|7381163\|gb\|AAF61416.1\|AF135115_1 vasopressin-activated calcium-mo | gi\|12083629 (+1) | 91 | 71 | 11 | 14 | 17 | 54 |
| 361 | basic transcription factor 3 isoform B [Homo sapiens], gi\|56605700\|ref\|NP_001008310.1\| basic transcription factor 3 [Rattus norvegicus], gi\|109077568\|ref\|XP_001100502.1\| PREDICTED: basic transcription factor 3 isoform 3 [Macaca mulatta], gi\|114599709\|ref\| | gi\|20070130 | 18 | 78 | 34 | 0 | 11 | 67 |
| 362 | nucleoside diphosphate kinase B [Rattus norvegicus], gi\|127984\|sp\|P19804.1\|NDKB_RAT RecName: Full=Nucleoside diphosphate kinase B; Short=NDP kinase B; Short=NDK B; AltName: Full=P18, gi\|205662\|gb\|AAA41684.1\| nucleoside diphosphate kinase, gi\|55778652\|gb\|A | gi\|55926145 | 17 | 66 | 37 | 0 | 12 | 54 |
| 363 | casein kinase 2, alpha 1 polypeptide [Rattus norvegicus], gi\|729878\|sp\|P19139.2\|CSK21_RAT RecName: Full=Casein kinase II subunit alpha; Short=CK II, gi\|415716\|gb\|AAA74462.1\| casein kinase II alpha subunit, gi\|60551761\|gb\|AAH91130.1\| Csnk2a1 protein [Rattu | gi\|16758674 | 45 | 65 | 13 | 19 | 23 | 42 |
| 364 | importin 4 [Rattus norvegicus], gi\|149063984\|gb\|EDM14254.1\| importin 4 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|157823031 | 119 | 87 | 11 | 6 | 9 | 78 |
| 365 | phosphoribosylglycinamide formyltransferase [Rattus norvegicus], gi\|62657641\|ref\|XP_573258.1\| PREDICTED: similar to Trifunctional purine biosynthetic protein adenosine-3 [Rattus norvegicus], gi\|109493898\|ref\|XP_001068637.1\| PREDICTED: similar to Trifuncti | gi\|197927388 | 108 | 57 | 22 | 14 | 21 | 36 |
| 366 | phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase [Rattus norvegicus], gi\|1709928\|sp\|P51583.3\|PUR6_RAT RecName: Full=Multifunctional protein ADE2; Includes: RecName: Full=Phosphoribosylaminoimidazole-succ | gi\|18266726 | 47 | 86 | 4 | 11 | 12 | 74 |
| 367 | SAR1a gene homolog [Mus musculus], gi\|56090263\|ref\|NP_001007740.1\| SAR1a gene homolog 1 [Rattus norvegicus], gi\|13542685\|gb\|AAH05549.1\| SAR1 gene homolog A (S. cerevisiae) [Mus musculus], gi\|50925795\|gb\|AAH79228.1\| SAR1 homolog A (S. cerevisiae) [Rattus n | gi\|21703344 | 22 | 82 | 19 | 0 | 6 | 76 |
| 368 | Aldehyde dehydrogenase 1 family, member L1 [Rattus norvegicus] | gi\|57921067 | 99 | 60 | 17 | 23 | 28 | 32 |
| 369 | Obg-like ATPase 1 [Rattus norvegicus], gi\|215275692\|sp\|A0JPJ7.1\|OLA1_RAT RecName: Full=Obg-like ATPase 1, gi\|117558623\|gb\|AAI27458.1\| Obg-like ATPase 1 [Rattus norvegicus] | gi\|76677911 | 45 | 67 | 19 | 24 | 30 | 37 |
| 370 | cytoplasmic FMR1 interacting protein 1 [Rattus norvegicus], gi\|149031480\|gb\|EDL86460.1\| cytoplasmic FMR1 interacting protein 1 (predicted) [Rattus norvegicus] | gi\|157822937 | 145 | 74 | 6 | 17 | 19 | 55 |
| 371 | PREDICTED: hypothetical protein [Rattus norvegicus], gi\|109489722\|ref\|XP_001079214.1\| PREDICTED: hypothetical protein [Rattus norvegicus] | gi\|109487775 (+1) | 33 | 63 | 37 | 6 | 18 | 45 |
| 372 | erythrocyte protein band 4.1-like 1 isoform L [Rattus norvegicus], gi\|4587120\|dbj\|BAA76625.1\| rat brain 4.1(L) [Rattus norvegicus] | gi\|11067407 | 171 | 57 | 20 | 15 | 21 | 36 |
| 373 | Proteasome (prosome, macropain) subunit, beta type 1 [Rattus norvegicus], gi\|149047099\|gb\|EDL99819.1\| proteasome (prosome, macropain) subunit, beta type 1, isoform CRA_a [Rattus norvegicus] | gi\|37231712 | 26 | 76 | 22 | 0 | 7 | 69 |
| 374 | tumor protein, translationally-controlled 1 [Mus musculus], gi\|16758734\|ref\|NP_446319.1\| tumor protein, translationally-controlled 1 [Rattus norvegicus], gi\|149255389\|ref\|XP_001480708.1\| PREDICTED: hypothetical protein [Mus musculus], gi\|149255783\|ref\|XP_ | gi\|6678437 | 19 | 84 | 16 | 4 | 9 | 75 |
| 375 | tropomyosin 4 [Rattus norvegicus], gi\|136081\|sp\|P09495.3\|TPM4_RAT RecName: Full=Tropomyosin alpha-4 chain; AltName: Full=Tropomyosin-4; Short=TM-4, gi\|207504\|gb\|AAA42291.1\| tropomyosin TM4, gi\|763182\|emb\|CAA68360.1\| fibroblast tropomyosin 4 [Rattus norveg | gi\|6981672 | 29 | 51 | 45 | 0 | 14 | 37 |
| 376 | glypican, gi\|38181579\|gb\|AAH61572.1\| Gpc1 protein [Rattus norvegicus] | gi\|506417 | 62 | 95 | 0 | 0 | 0 | 95 |
| 377 | PREDICTED: similar to low density lipoprotein receptor-related protein 1 [Rattus norvegicus], gi\|109482078\|ref\|XP_001056970.1\| PREDICTED: similar to low density lipoprotein receptor-related protein 1 [Rattus norvegicus], gi\|149066587\|gb\|EDM16460.1\| rCG595 | gi\|62652278 | 505 | 86 | 0 | 0 | 0 | 86 |
| 378 | contactin 1 [Rattus norvegicus], gi\|17432928\|sp\|Q63198.2\|CNTN1_RAT RecName: Full=Contactin-1; AltName: Full=Neural cell surface protein F3; Flags: Precursor, gi\|1498194\|dbj\|BAA07504.1\| F3 [Rattus norvegicus], gi\|149017608\|gb\|EDL76612.1\| contactin 1 [Rattu | gi\|16923964 | 113 | 83 | 4 | 4 | 5 | 78 |
| 379 | guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 [Homo sapiens], gi\|6680047\|ref\|NP_032169.1\| guanine nucleotide binding protein (G protein), beta polypeptide 2 like 1 [Mus musculus], gi\|28461223\|ref\|NP_786996.1\| guanine nucleotide | gi\|5174447 | 35 | 81 | 7 | 12 | 14 | 67 |
| 380 | nascent-polypeptide-associated complex alpha polypeptide (predicted), isoform CRA_c [Rattus norvegicus] | gi\|149029725 (+1) | 15 | 52 | 45 | 8 | 22 | 30 |
| 381 | similar to Dendritic cell protein GA17 (predicted) [Rattus norvegicus] | gi\|149022814 | 43 | 65 | 0 | 35 | 35 | 30 |
| 382 | proteasome (prosome, macropain) subunit, alpha type 5 [Mus musculus], gi\|23110942\|ref\|NP_002781.2\| proteasome alpha 5 subunit [Homo sapiens], gi\|62751982\|ref\|NP_001015566.1\| proteasome (prosome, macropain) subunit, alpha type, 5 [Bos taurus], gi\|222136590 | gi\|7106387 | 26 | 66 | 17 | 4 | 9 | 57 |
| 383 | serine/threonine kinase receptor associated protein [Rattus norvegicus], gi\|81883769\|sp\|Q5XIG8.1\|STRAP_RAT RecName: Full=Serine-threonine kinase receptor-associated protein; AltName: Full=UNR-interacting protein, gi\|53733514\|gb\|AAH83714.1\| Serine/threonin | gi\|58865512 | 38 | 57 | 17 | 16 | 21 | 36 |
| 384 | glutathione S-transferase mu 5 [Rattus norvegicus], gi\|81917962\|sp\|Q9Z1B2.3\|GSTM5_RAT RecName: Full=Glutathione S-transferase Mu 5; AltName: Full=GST class-mu 5, gi\|4099365\|gb\|AAD00603.1\| glutathione s-transferase M5 [Rattus norvegicus], gi\|149025650\|gb\|E | gi\|25282395 | 27 | 50 | 23 | 7 | 14 | 36 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 385 | similar to Pol(yrC)-binding protein 1 (Alpha-CP1) (hnRNP-E1) (predicted) [Rattus norvegicus] | gi\|149036630 (+1) | 36 | 51 | 40 | 10 | 23 | 28 |
| 386 | rCG20491, isoform CRA_a [Rattus norvegicus] | gi\|149040822 (+1) | 167 | 64 | 13 | 15 | 19 | 45 |
| 387 | proteasome alpha 4 subunit [Rattus norvegicus], gi\|130862\|sp\|P21670.1\|PSA4_RAT RecName: Full=Proteasome subunit alpha type-4; AltName: Full=Proteasome component C9; AltName: Full=Macropain subunit C9; AltName: Full=Multicatalytic endopeptidase complex sub | gi\|8394069 | 29 | 76 | 21 | 2 | 9 | 67 |
| 388 | RecName: Full=Excitatory amino acid transporter 1; AltName: Full=Sodium-dependent glutamate/aspartate transporter 1; Short=GLAST-1; AltName: Full=Glial glutamate transporter; AltName: Full=Solute carrier family 1 member 3, gi\|56269\|emb\|CAA45276.1\| glutama | gi\|232176 (+1) | 60 | 92 | 2 | 8 | 9 | 83 |
| 389 | keratin 17 [Rattus norvegicus], gi\|81891674\|sp\|Q6IFU8.1\|K1C17_RAT RecName: Full=Keratin, type I cytoskeletal 17; AltName: Full=Cytokeratin-17; Short=CK-17; AltName: Full=Keratin-17; Short=K17; AltName: Full=Type I keratin Ka17, gi\|46485094\|tpg\|DAA04484.1\| | gi\|47087085 | 48 | 46 | 27 | 0 | 9 | 37 |
| 390 | synapsin I isoform a [Rattus norvegicus], gi\|6686305\|sp\|P09951.3\|SYN1_RAT RecName: Full=Synapsin-1; AltName: Full=Synapsin I, gi\|206921\|gb\|AAA42145.1\| synapsin Ia, gi\|149044403\|gb\|EDL97724.1\| synapsin I, isoform CRA_a [Rattus norvegicus] | gi\|9507159 | 74 | 86 | 0 | 0 | 0 | 86 |
| 391 | RAB3A, member RAS oncogene family [Mus musculus], gi\|61098195\|ref\|NP_037150.2\| RAB3A, member RAS oncogene family [Rattus norvegicus], gi\|178056554\|ref\|NP_001116651.1\| RAB3A, member RAS oncogene family [Sus scrofa], gi\|187936991\|ref\|NP_001120756.1\| RAB3A, | gi\|6679593 | 25 | 72 | 18 | 10 | 16 | 56 |
| 392 | ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, isoform CRA_d [Rattus norvegicus] | gi\|149029483 (+4) | 55 | 68 | 1 | 22 | 22 | 46 |
| 393 | RAB6A, member RAS oncogene family [Mus musculus], gi\|13638404\|sp\|P35279.4\|RAB6A_MOUSE RecName: Full=Ras-related protein Rab-6A; Short=Rab-6, gi\|7670415\|dbj\|BAA95059.1\| unnamed protein product [Mus musculus], gi\|26341820\|dbj\|BAC34572.1\| unnamed protein pro | gi\|13195674 | 24 | 70 | 22 | 0 | 7 | 63 |
| 394 | rCG26771, isoform CRA_b [Rattus norvegicus], gi\|149022783\|gb\|EDL79677.1\| rCG26771, isoform CRA_b [Rattus norvegicus] | gi\|149022782 (+1) | 77 | 83 | 9 | 6 | 9 | 74 |
| 395 | PREDICTED: similar to destrin [Rattus norvegicus] | gi\|62665569 (+1) | 19 | 53 | 31 | 0 | 10 | 43 |
| 396 | A kinase (PRKA) anchor protein (gravin) 12, isoform CRA_a [Rattus norvegicus] | gi\|149038539 (+3) | 173 | 53 | 19 | 12 | 18 | 35 |
| 397 | similar to microfilament and actin filament cross-linker protein isoform b, isoform CRA_a [Rattus norvegicus] | gi\|149023883 (+1) | 609 | 38 | 14 | 17 | 21 | 17 |
| 398 | calcium/calmodulin-dependent protein kinase II beta isoform2 [Rattus norvegicus], gi\|226693349\|ref\|NP_031621.3\| calcium/calmodulin-dependent protein kinase II beta [Mus musculus], gi\|94730394\|sp\|P28652.2\|KCC2B_MOUSE RecName: Full=Calcium/calmodulin-depend | gi\|108796657 (+6) | 60 | 57 | 4 | 29 | 30 | 27 |
| 399 | calmodulin 2 [Homo sapiens], gi\|5901912\|ref\|NP_008819.1\| calmodulin 1 [Homo sapiens], gi\|6680832\|ref\|NP_031615.1\| calmodulin 2 [Mus musculus], gi\|6680834\|ref\|NP_031616.1\| calmodulin 3 [Mus musculus], gi\|6753244\|ref\|NP_033920.1\| calmodulin 1 [Mus musculus] | gi\|4502549 (+1) | 17 | 93 | 0 | 0 | 0 | 93 |
| 400 | heterogeneous nuclear ribonucleoprotein H1 [Mus musculus], gi\|46396669\|sp\|O35737.3\|HNRH1_MOUSE RecName: Full=Heterogeneous nuclear ribonucleoprotein H; Short=hnRNP H; Contains: RecName: Full=Heterogeneous nuclear ribonucleoprotein H, N-terminally processe | gi\|10946928 | 49 | 71 | 12 | 14 | 18 | 53 |
| 401 | eukaryotic translation initiation factor 3 subunit D [Rattus norvegicus], gi\|125628629\|ref\|NP_061219.2\| eukaryotic translation initiation factor 3, subunit 7 (zeta) [Mus musculus], gi\|81884616\|sp\|Q6AYK8.1\|EIF3D_RAT RecName: Full=Eukaryotic translation ini | gi\|51948536 | 64 | 72 | 2 | 28 | 29 | 43 |
| 402 | aspartyl aminopeptidase, isoform CRA_a [Rattus norvegicus], gi\|149016179\|gb\|EDL75425.1\| aspartyl aminopeptidase, isoform CRA_a [Rattus norvegicus], gi\|149016181\|gb\|EDL75427.1\| aspartyl aminopeptidase, isoform CRA_a [Rattus norvegicus] | gi\|149016178 (+2) | 52 | 76 | 0 | 8 | 8 | 68 |
| 403 | neutral alpha-glucosidase AB [Rattus norvegicus], gi\|149062331\|gb\|EDM12754.1\| alpha glucosidase 2 alpha neutral subunit (predicted) [Rattus norvegicus] | gi\|157822919 | 91 | 84 | 1 | 6 | 6 | 78 |
| 404 | Parkinson disease protein 7 [Rattus norvegicus], gi\|56404680\|sp\|O88767.1\|PARK7_RAT RecName: Full=Protein DJ-1; AltName: Full=Parkinson disease protein 7 homolog; AltName: Full=Contraception-associated protein 1; Short=Protein CAP1; AltName: Full=Fertility | gi\|16924002 | 20 | 50 | 41 | 1 | 14 | 36 |
| 405 | PREDICTED: similar to DNA replication licensing factor MCM4 (CDC21 homolog) (P1-CDC21) [Rattus norvegicus], gi\|109494801\|ref\|XP_001068436.1\| PREDICTED: similar to DNA replication licensing factor MCM4 (CDC21 homolog) (P1-CDC21) [Rattus norvegicus], gi\|149 | gi\|34870013 | 97 | 64 | 7 | 21 | 23 | 41 |
| 406 | Proteasome (prosome, macropain) 26S subunit, ATPase 2 [Rattus norvegicus] | gi\|38181888 (+1) | 49 | 75 | 2 | 19 | 20 | 55 |
| 407 | adenine phosphoribosyl transferase (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149038396 | 20 | 54 | 31 | 0 | 10 | 44 |
| 408 | pre-mRNA processing factor 8 [Mus musculus], gi\|62656550\|ref\|XP_213385.3\| PREDICTED: similar to Pre-mRNA-processing-splicing factor 8 (Splicing factor Prp8) (PRP8 homolog) (220 kDa U5 snRNP-specific protein) (p220) [Rattus norvegicus], gi\|109491316\|ref\|XP | gi\|115583687 | 274 | 66 | 3 | 16 | 17 | 49 |
| 409 | PREDICTED: similar to CLIP-associating protein 1 [Rattus norvegicus] | gi\|109498506 (+1) | 165 | 51 | 20 | 17 | 23 | 28 |
| 410 | glutathione S-transferase mu 7 [Rattus norvegicus], gi\|121721\|sp\|P08009.2\|GSTM4_RAT RecName: Full=Glutathione S-transferase Yb-3; AltName: Full=Chain 4; AltName: Full=GST Yb3; AltName: Full=GST class-mu 3, gi\|204513\|gb\|AAA41292.1\| glutathione-S-transferas | gi\|13592152 | 26 | 43 | 45 | 1 | 15 | 28 |
| 411 | similar to RIKEN cDNA 2610110G12, isoform CRA_e [Rattus norvegicus] | gi\|149031796 | 45 | 69 | 3 | 19 | 20 | 49 |
| 412 | unnamed protein product [Rattus norvegicus] | gi\|1334284 (+2) | 58 | 94 | 3 | 0 | 1 | 93 |
| 413 | RAB1A, member RAS oncogene family isoform 1 [Homo sapiens], gi\|6679587\|ref\|NP_033022.1\| RAB1, member RAS oncogene family [Mus musculus], gi\|45433570\|ref\|NP_112352.2\| RAB1, member RAS oncogene family [Rattus norvegicus], gi\|55741705\|ref\|NP_001003153.1\| RAB | gi\|4758988 | 23 | 66 | 15 | 17 | 22 | 44 |
| 414 | RecName: Full=General vesicular transport factor p115; AltName: Full=Protein USO1 homolog; AltName: Full=Transcytosis-associated protein; Short=TAP; AltName: Full=Vesicle-docking protein, gi\|538153\|gb\|AAA62632.1\| p115, gi\|149033810\|gb\|EDL88606.1\| vesicle | gi\|1171952 | 107 | 52 | 20 | 7 | 13 | 39 |
| 415 | proteasome subunit alpha type 2 [Rattus norvegicus], gi\|134031994\|ref\|NP_032970.2\| proteasome subunit alpha type 2 [Mus musculus], gi\|130851\|sp\|P17220.3\|PSA2_RAT RecName: Full=Proteasome subunit alpha type-2; AltName: Full=Proteasome component C3; AltName | gi\|8394063 | 26 | 66 | 24 | 1 | 9 | 57 |
| 416 | RecName: Full=Neural cell adhesion molecule L1; Short=N-CAM L1; AltName: Full=Nerve-growth factor-inducible large external glycoprotein; Short=NILE; AltName: CD_antigen=CD171; Flags: Precursor | gi\|20455467 (+1) | 141 | 67 | 1 | 16 | 16 | 51 |
| 417 | ARP2 actin-related protein 2 homolog [Rattus norvegicus], gi\|62899645\|sp\|Q5M7U6.1\|ARP2_RAT RecName: Full=Actin-related protein 2; AltName: Full=Actin-like protein 2, gi\|56789539\|gb\|AAH88442.1\| ARP2 actin-related protein 2 homolog (yeast) [Rattus norvegicu | gi\|57164143 | 45 | 75 | 7 | 9 | 11 | 64 |
| 418 | malate dehydrogenase, mitochondrial [Rattus norvegicus], gi\|122065494\|sp\|P04636.2\|MDHM_RAT RecName: Full=Malate dehydrogenase, mitochondrial; Flags: Precursor, gi\|38648863\|gb\|AAH63165.1\| Malate dehydrogenase 2, NAD (mitochondrial) [Rattus norvegicus], gi\| | gi\|42476181 | 36 | 81 | 13 | 0 | 4 | 77 |
| 419 | IQ motif containing GTPase activating protein 1 [Rattus norvegicus], gi\|149057332\|gb\|EDM08655.1\| IQ motif containing GTPase activating protein 1 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|210032529 | 189 | 25 | 43 | 9 | 23 | 2 |
| 420 | chloride intracellular channel 4, isoform CRA_b [Rattus norvegicus] | gi\|149024253 | 29 | 44 | 30 | 13 | 22 | 22 |
| 421 | eukaryotic translation initiation factor 3, subunit 6 48kDa [Homo sapiens], gi\|45476573\|ref\|NP_032414.1\| eukaryotic translation initiation factor 3, subunit 6 [Mus musculus], gi\|58865556\|ref\|NP_001011990.1\| eukaryotic translation initiation factor 3, subu | gi\|4503521 | 52 | 77 | 0 | 15 | 15 | 62 |
| 422 | myosin regulatory light chain MRCL2 isoform A [Homo sapiens], gi\|21728376\|ref\|NP_075891.1\| myosin, light chain 12B, regulatory [Mus musculus], gi\|203097095\|ref\|NP_059039.2\| myosin light chain, regulatory B [Rattus norvegicus], gi\|222144324\|ref\|NP_00113841 | gi\|15809016 (+1) | 20 | 75 | 20 | 0 | 6 | 69 |
| 423 | adaptor-related protein complex 1, gamma 1 subunit [Rattus norvegicus], gi\|149038154\|gb\|EDL92514.1\| adaptor-related protein complex 1, gamma 1 subunit, isoform CRA_b [Rattus norvegicus], gi\|187469711\|gb\|AAI66845.1\| Ap1g1 protein [Rattus norvegicus] | gi\|189491695 | 91 | 63 | 3 | 18 | 19 | 44 |
| 424 | PREDICTED: similar to phosphoribosylformylglycinamidine synthase [Rattus norvegicus] | gi\|109491072 (+1) | 137 | 15 | 74 | 0 | 23 | 0 |
| 425 | FK506 binding protein 12-rapamycin associated protein 1 [Rattus norvegicus], gi\|1169736\|sp\|P42346.1\|FRAP_RAT RecName: Full=FKBP12-rapamycin complex-associated protein; AltName: Full=FK506-binding protein 12-rapamycin complex-associated protein 1; AltName: | gi\|9845251 | 289 | 43 | 6 | 26 | 28 | 15 |
| 426 | RAP1B, member of RAS oncogene family [Rattus norvegicus], gi\|51338715\|sp\|Q62636.2\|RAP1B_RAT RecName: Full=Ras-related protein Rap-1b; AltName: Full=GTP-binding protein smg p21B; Flags: Precursor, gi\|47716868\|gb\|AAT37620.1\| RAP1B [Rattus norvegicus], gi\|51 | gi\|52138628 | 21 | 77 | 5 | 0 | 2 | 75 |
| 427 | Bat1 [Rattus norvegicus] | gi\|19773876 (+1) | 49 | 55 | 25 | 3 | 11 | 44 |
| 428 | protein phosphatase 2A activator, regulatory subunit 4 [Rattus norvegicus], gi\|149039087\|gb\|EDL93307.1\| protein phosphatase 2A, regulatory subunit B (PR 53) (predicted) [Rattus norvegicus], gi\|187469721\|gb\|AAI66861.1\| Protein phosphatase 2A activator, reg | gi\|157819489 | 37 | 49 | 7 | 13 | 15 | 34 |
| 429 | Structure specific recognition protein 1 [Rattus norvegicus], gi\|83305804\|sp\|Q04931.2\|SSRP1_RAT RecName: Full=FACT complex subunit SSRP1; AltName: Full=Facilitates chromatin transcription complex subunit SSRP1; AltName: Full=Structure-specific recognition | gi\|54020668 | 81 | 44 | 20 | 20 | 26 | 18 |
| 430 | peroxiredoxin 6 [Rattus norvegicus], gi\|5902791\|sp\|O35244.3\|PRDX6_RAT RecName: Full=Peroxiredoxin-6; AltName: Full=Antioxidant protein 2; AltName: Full=1-Cys peroxiredoxin; Short=1-Cys PRX; AltName: Full=Acidic calcium-independent phospholipase A2; Short= | gi\|16758348 | 25 | 27 | 59 | 0 | 19 | 8 |
| 431 | eukaryotic translation initiation factor 3, subunit 8, 110kDa, isoform CRA_a [Rattus norvegicus] | gi\|149067892 (+1) | 73 | 50 | 0 | 14 | 14 | 36 |
| 432 | inosine monophosphate dehydrogenase 2 [Rattus norvegicus], gi\|38014713\|gb\|AAH60585.1\| IMP (inosine monophosphate) dehydrogenase 2 [Rattus norvegicus] | gi\|40018566 | 56 | 62 | 7 | 10 | 12 | 50 |
| 433 | NMDA receptor regulated 1 [Rattus norvegicus], gi\|149064834\|gb\|EDM14985.1\| NMDA receptor-regulated gene 1 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|157818303 | 101 | 55 | 22 | 9 | 16 | 39 |
| 434 | small inducible cytokine subfamily E, member 1 [Rattus norvegicus], gi\|71051686\|gb\|AAH98675.1\| Small inducible cytokine subfamily E, member 1 [Rattus norvegicus], gi\|149025978\|gb\|EDL82221.1\| small inducible cytokine subfamily E, member 1 [Rattus norvegicu | gi\|75832035 | 35 | 58 | 0 | 15 | 15 | 43 |
| 435 | serine/threonine specific protein phosphatase [Rattus norvegicus], gi\|74138620\|dbj\|BAE27131.1\| unnamed protein product [Mus musculus], gi\|74219496\|dbj\|BAE29521.1\| unnamed protein product [Mus musculus], gi\|148680181\|gb\|EDL12128.1\| protein phosphatase 3, c | gi\|4584820 (+1) | 58 | 62 | 20 | 0 | 6 | 56 |
| 436 | quinoid dihydropteridine reductase [Rattus norvegicus], gi\|118601\|sp\|P11348.1\|DHPR_RAT RecName: Full=Dihydropteridine reductase; AltName: Full=HDHPR; AltName: Full=Quinoid dihydropteridine reductase, gi\|576086\|pdb\|1DIR\|A Chain A, Crystal Structure Of A Mo | gi\|11693160 (+1) | 26 | 70 | 10 | 2 | 5 | 65 |
| 437 | ADP-ribosylation factor-like 3 [Rattus norvegicus], gi\|584774\|sp\|P37996.2\|ARL3_RAT RecName: Full=ADP-ribosylation factor-like protein 3; AltName: Full=ARD3, gi\|560006\|gb\|AAA50861.1\| ADP-ribosylation factor-like protein 3, gi\|562785\|emb\|CAA54246.1\| ARF-li | gi\|12083661 | 20 | 56 | 26 | 1 | 9 | 47 |
| 438 | RNA terminal phosphate cyclase domain 1 [Rattus norvegicus], gi\|51261274\|gb\|AAH79374.1\| RNA terminal phosphate cyclase domain 1 [Rattus norvegicus], gi\|149025788\|gb\|EDL82031.1\| RNA terminal phosphate cyclase domain 1, isoform CRA_a [Rattus norvegicus] | gi\|51948426 | 39 | 32 | 21 | 16 | 23 | 9 |
| 439 | nardilysin, N-arginine dibasic convertase 1 [Rattus norvegicus] | gi\|149035699 (+2) | 133 | 33 | 49 | 0 | 15 | 18 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 440 | cullin 1 [Mus musculus], gi\|157820743\|ref\|NP_001102097.1\| cullin 1 [Rattus norvegicus], gi\|224044991\|ref\|XP_002198372.1\| PREDICTED: hypothetical protein [Taeniopygia guttata], gi\|13124104\|sp\|Q9WTX6.1\|CUL1_MOUSE RecName: Full=Cullin-1; Short=CUL-1, gi\|5815 | gi\|7549752 | 90 | 67 | 7 | 12 | 14 | 53 |
| 441 | rCG41048, isoform CRA_a [Rattus norvegicus] | gi\|149029060 | 441 | 54 | 4 | 22 | 23 | 31 |
| 442 | ribosomal protein S3 [Mus musculus], gi\|57164151\|ref\|NP_001009239.1\| ribosomal protein S3 [Rattus norvegicus], gi\|57102362\|ref\|XP_534008.1\| PREDICTED: similar to 40S ribosomal protein S3 isoform 1 [Canis familiaris], gi\|73987935\|ref\|XP_849947.1\| PREDICTED | gi\|6755372 | 27 | 62 | 8 | 12 | 15 | 47 |
| 443 | hypothetical protein LOC223601 [Mus musculus], gi\|187282120\|ref\|NP_001119739.1\| hypothetical protein LOC299909 [Rattus norvegicus], gi\|52782789\|sp\|Q921M7.1\|FA49B_MOUSE RecName: Full=Protein FAM49B, gi\|15030175\|gb\|AAH11343.1\| Fam49b protein [Mus musculus], | gi\|21450053 | 37 | 34 | 50 | 2 | 18 | 16 |
| 444 | proteasome (prosome, macropain) subunit, beta type 5 [Rattus norvegicus], gi\|149063910\|gb\|EDM14180.1\| proteasome (prosome, macropain) subunit, beta type 5, isoform CRA_a [Rattus norvegicus] | gi\|160333293 | 29 | 76 | 9 | 0 | 3 | 73 |
| 445 | COP9 constitutive photomorphogenic homolog subunit 6 [Rattus norvegicus], gi\|149028519\|gb\|EDL83891.1\| COP9 (constitutive photomorphogenic) homolog, subunit 6 (Arabidopsis thaliana) (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157821399 | 38 | 61 | 7 | 14 | 16 | 45 |
| 446 | Chain A, Annexin V Complex With Heparin Oligosaccharides, gi\|126030730\|pdb\|2IE6\|A Chain A, Annexin V Under 2.0 Mpa Pressure Of Xenon, gi\|126030731\|pdb\|2IE7\|A Chain A, Annexin V Under 2.0 Mpa Pressure Of Nitrous Oxide, gi\|157829732\|pdb\|1A8A\|A Chain A, Rat | gi\|14488466 (+2) | 36 | 48 | 11 | 21 | 24 | 24 |
| 447 | cullin-associated and neddylation-dissociated 2 (putative), isoform CRA_c [Rattus norvegicus] | gi\|149049691 (+1) | 136 | 37 | 33 | 6 | 16 | 21 |
| 448 | proteasome (prosome, macropain) subunit, alpha type 1 [Rattus norvegicus], gi\|130849\|sp\|P18420.2\|PSA1_RAT RecName: Full=Proteasome subunit alpha type-1; AltName: Full=Proteasome component C2; AltName: Full=Macropain subunit C2; AltName: Full=Multicatalyti | gi\|8394060 | 30 | 62 | 16 | 0 | 5 | 57 |
| 449 | PREDICTED: similar to Histone deacetylase 6 (HD6) (Histone deacetylase mHDA2) [Rattus norvegicus], gi\|109511550\|ref\|XP_001057931.1\| PREDICTED: similar to Histone deacetylase 6 (HD6) (Histone deacetylase mHDA2) [Rattus norvegicus] | gi\|109510484 | 125 | 62 | 14 | 6 | 10 | 52 |
| 450 | hypothetical protein LOC681996 [Rattus norvegicus], gi\|149025274\|gb\|EDL81641.1\| rCG20659, isoform CRA_b [Rattus norvegicus], gi\|165970860\|gb\|AAI58699.1\| LOC681996 protein [Rattus norvegicus] | gi\|169234816 | 38 | 53 | 22 | 7 | 14 | 39 |
| 451 | moesin, isoform CRA_a [Rattus norvegicus] | gi\|149042266 | 68 | 55 | 18 | 2 | 8 | 47 |
| 452 | RecName: Full=6-phosphogluconate dehydrogenase, decarboxylating, gi\|149024656\|gb\|EDL81153.1\| rCG31394, isoform CRA_a [Rattus norvegicus] | gi\|205686170 | 53 | 53 | 26 | 3 | 11 | 42 |
| 453 | proteasome (prosome, macropain) subunit, alpha type 6 [Rattus norvegicus], gi\|23110944\|ref\|NP_002782.1\| proteasome alpha 6 subunit [Homo sapiens], gi\|114053135\|ref\|NP_001039427.1\| proteasome (prosome, macropain) subunit, alpha type, 6 [Bos taurus], gi\|556 | gi\|8394076 | 27 | 75 | 3 | 2 | 3 | 72 |
| 454 | chloride intracellular channel 1 [Rattus norvegicus], gi\|81911115\|sp\|Q6MG61.1\|CLIC1_RAT RecName: Full=Chloride intracellular channel protein 1, gi\|46237607\|emb\|CAE83985.1\| chloride intracellular channel 1 [Rattus norvegicus], gi\|71122383\|gb\|AAH99823.1\| Ch | gi\|50657380 | 27 | 43 | 32 | 6 | 16 | 27 |
| 455 | eukaryotic translation initiation factor 2, subunit 1 alpha [Rattus norvegicus], gi\|13385624\|ref\|NP_080390.1\| eukaryotic translation initiation factor 2, subunit 1 alpha [Mus musculus], gi\|28461253\|ref\|NP_787007.1\| eukaryotic translation initiation factor | gi\|9506571 | 36 | 59 | 21 | 3 | 10 | 49 |
| 456 | synaptojanin 1, isoform CRA_a [Rattus norvegicus] | gi\|149059817 (+3) | 145 | 45 | 21 | 6 | 13 | 32 |
| 457 | ATP synthase, H+ transporting, mitochondrial F1 complex, beta polypeptide, isoform CRA_a [Rattus norvegicus] | gi\|149029718 (+1) | 56 | 58 | 2 | 10 | 11 | 47 |
| 458 | hypothetical protein LOC364073 [Rattus norvegicus], gi\|149040979\|gb\|EDL94936.1\| rCG20177 [Rattus norvegicus] | gi\|157819755 | 73 | 56 | 6 | 22 | 24 | 32 |
| 459 | heat shock protein 5 [Rattus norvegicus], gi\|121574\|sp\|P06761.1\|GRP78_RAT RecName: Full=78 kDa glucose-regulated protein; AltName: Full=GRP 78; AltName: Full=Heat shock 70 kDa protein 5; AltName: Full=Immunoglobulin heavy chain-binding protein; Short=BiP; | gi\|25742763 | 72 | 78 | 0 | 0 | 0 | 78 |
| 460 | F-actin capping protein alpha-1 subunit [Rattus norvegicus], gi\|109467357\|ref\|XP_001068917.1\| PREDICTED: similar to capping protein (actin filament) muscle Z-line, alpha 1 [Rattus norvegicus], gi\|205690878\|sp\|B2GUZ5.1\|CAZA1_RAT RecName: Full=F-actin-cappi | gi\|161086978 | 33 | 45 | 28 | 4 | 13 | 32 |
| 461 | RecName: Full=Protein disulfide-isomerase A3; AltName: Full=Disulfide-isomerase ER-60; AltName: Full=ERp60; AltName: Full=58 kDa microsomal protein; AltName: Full=p58; AltName: Full=ERp57; AltName: Full=HIP-70; AltName: Full=Q-2; Flags: Precursor, gi\|3838 | gi\|1352384 (+1) | 57 | 70 | 2 | 0 | 1 | 69 |
| 462 | Dcps protein [Rattus norvegicus] | gi\|59808733 (+1) | 38 | 44 | 21 | 19 | 26 | 18 |
| 463 | calnexin [Rattus norvegicus], gi\|543922\|sp\|P35565.1\|CALX_RAT RecName: Full=Calnexin; Flags: Precursor, gi\|310085\|gb\|AAA21015.1\| calnexin [Rattus sp.], gi\|149052451\|gb\|EDM04268.1\| calnexin, isoform CRA_a [Rattus norvegicus], gi\|149052452\|gb\|EDM04269.1\| cal | gi\|25282419 | 67 | 69 | 2 | 8 | 9 | 60 |
| 464 | rCG25653, isoform CRA_g [Rattus norvegicus] | gi\|149018243 (+1) | 28 | 74 | 2 | 14 | 15 | 59 |
| 465 | hypothetical protein LOC301742 [Rattus norvegicus], gi\|149065190\|gb\|EDM15266.1\| similar to Coatomer gamma-2 subunit (Gamma-2 coat protein) (Gamma-2 COP) (predicted) [Rattus norvegicus] | gi\|157817775 | 98 | 63 | 2 | 13 | 14 | 49 |
| 466 | Phosphofructokinase, muscle [Rattus norvegicus], gi\|149032171\|gb\|EDL87083.1\| phosphofructokinase, muscle, isoform CRA_a [Rattus norvegicus], gi\|149032172\|gb\|EDL87084.1\| phosphofructokinase, muscle, isoform CRA_a [Rattus norvegicus], gi\|149032173\|gb\|EDL870 | gi\|62825891 | 85 | 74 | 2 | 4 | 5 | 69 |
| 467 | CDC23 (cell division cycle 23, yeast, homolog), isoform CRA_b [Rattus norvegicus] | gi\|149017186 (+1) | 66 | 49 | 0 | 26 | 26 | 23 |
| 468 | proteasome (prosome, macropain) 26S subunit, non-ATPase, 5 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149038941 | 56 | 61 | 6 | 12 | 14 | 47 |
| 469 | adenosine monophosphate deaminase 2 (isoform L) [Rattus norvegicus], gi\|226801521\|sp\|Q02356.2\|AMPD2_RAT RecName: Full=AMP deaminase 2; AltName: Full=AMP deaminase isoform L, gi\|149025670\|gb\|EDL81913.1\| similar to adenosine monophosphate deaminase 2 (isofo | gi\|156119591 | 95 | 52 | 4 | 12 | 13 | 39 |
| 470 | translin [Rattus norvegicus], gi\|6136059\|sp\|P97891.1\|TSN_CRIGR RecName: Full=Translin, gi\|9652067\|gb\|AAF91387.1\|AF262356_1 translin [Rattus norvegicus], gi\|1770102\|emb\|CAA66669.1\| translin [Cricetulus griseus], gi\|149033085\|gb\|EDL87903.1\| translin [Rattus | gi\|11120712 (+1) | 26 | 45 | 28 | 0 | 9 | 36 |
| 471 | actin, beta-like 2 [Rattus norvegicus], gi\|149059329\|gb\|EDM10336.1\| similar to cytoplasmic beta-actin (predicted) [Rattus norvegicus] | gi\|157823033 | 42 | 16 | 12 | 2 | 6 | 10 |
| 472 | rCG61772, isoform CRA_a [Rattus norvegicus] | gi\|149051518 (+3) | 84 | 71 | 3 | 2 | 3 | 68 |
| 473 | cytosolic branched chain aminotransferase [Rattus norvegicus], gi\|149048991\|gb\|EDM01445.1\| branched chain aminotransferase 1, cytosolic, isoform CRA_a [Rattus norvegicus] | gi\|13374912 (+4) | 45 | 53 | 16 | 8 | 13 | 40 |
| 474 | rCG38907, isoform CRA_b [Rattus norvegicus] | gi\|149031314 | 94 | 45 | 9 | 21 | 24 | 21 |
| 475 | Arhgef7 protein [Rattus norvegicus] | gi\|126362051 | 82 | 45 | 0 | 17 | 17 | 28 |
| 476 | RecName: Full=Farnesyl pyrophosphate synthetase; Short=FPP synthetase; Short=FPS; AltName: Full=Farnesyl diphosphate synthetase; AltName: Full=Cholesterol-regulated 39 kDa protein; Short=CR 39; Includes: RecName: Full=Dimethylallyltranstransferase; Includ | gi\|120478 (+2) | 41 | 36 | 48 | 0 | 15 | 21 |
| 477 | RAB5A, member RAS oncogene family [Rattus norvegicus], gi\|3309068\|gb\|AAC26004.1\| small GTP-binding protein rab5 [Rattus norvegicus], gi\|149027113\|gb\|EDL82849.1\| RAB5A, member RAS oncogene family [Rattus norvegicus], gi\|171847366\|gb\|AAI61848.1\| Rab5a prote | gi\|12083645 | 24 | 61 | 18 | 3 | 9 | 52 |
| 478 | RAP1, GTP-GDP dissociation stimulator 1 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149026086 (+1) | 58 | 46 | 11 | 15 | 18 | 28 |
| 479 | vesicle-fusing ATPase [Rattus norvegicus], gi\|81917630\|sp\|Q9QUL6.1\|NSF_RAT RecName: Full=Vesicle-fusing ATPase; AltName: Full=N-ethylmaleimide-sensitive fusion protein; Short=NEM-sensitive fusion protein; AltName: Full=Vesicular-fusion protein NSF, gi\|508 | gi\|13489067 (+2) | 83 | 58 | 0 | 10 | 10 | 48 |
| 480 | COP9 (constitutive photomorphogenic) homolog, subunit 7a (Arabidopsis thaliana) (predicted) [Rattus norvegicus] | gi\|149049450 | 30 | 66 | 5 | 14 | 16 | 50 |
| 481 | Cdc42 effector, short isoform [Rattus norvegicus] | gi\|87299586 | 64 | 70 | 0 | 4 | 4 | 66 |
| 482 | myosin Ib [Rattus norvegicus], gi\|13431669\|sp\|Q05096.1\|MYO1B_RAT RecName: Full=Myosin-Ib; AltName: Full=Myosin I alpha; AltName: Full=MMI-alpha; Short=MMIa; AltName: Full=Myosin heavy chain myr 1, gi\|56733\|emb\|CAA48287.1\| myosin I heavy chain [Rattus norv | gi\|16758890 (+1) | 132 | 46 | 20 | 11 | 17 | 29 |
| 483 | MAP-kinase activating death domain [Rattus norvegicus], gi\|81861041\|sp\|O08873.1\|MADD_RAT RecName: Full=MAP kinase-activating death domain protein; AltName: Full=Rab3 GDP/GTP exchange factor, gi\|1947050\|gb\|AAC53149.1\| Rab3 GDP/GTP exchange protein [Rattus | gi\|16758360 | 178 | 28 | 27 | 12 | 21 | 7 |
| 484 | RAB3C, member RAS oncogene family [Mus musculus], gi\|51338595\|sp\|P62824.1\|RAB3C_RAT RecName: Full=Ras-related protein Rab-3C, gi\|51338605\|sp\|P62823.1\|RAB3C_MOUSE RecName: Full=Ras-related protein Rab-3C, gi\|12597437\|gb\|AAG60047.1\|AF312037_1 small GTP bind | gi\|13470090 (+1) | 26 | 61 | 10 | 0 | 3 | 58 |
| 485 | hemoglobin beta chain complex [Rattus norvegicus], gi\|122514\|sp\|P02091.3\|HBB1_RAT RecName: Full=Hemoglobin subunit beta-1; AltName: Full=Hemoglobin beta-1 chain; AltName: Full=Beta-1-globin; AltName: Full=Hemoglobin beta chain, major-form, gi\|55823\|emb\|CA | gi\|17985949 | 16 | 54 | 15 | 0 | 5 | 49 |
| 486 | rCG27987, isoform CRA_a [Rattus norvegicus] | gi\|149065081 (+3) | 176 | 69 | 1 | 0 | 0 | 69 |
| 487 | heat shock protein 4 like [Rattus norvegicus], gi\|149048788\|gb\|EDM01329.1\| heat shock 70kDa protein 4-like (predicted), isoform CRA_b [Rattus norvegicus], gi\|195539870\|gb\|AAI68157.1\| Hspa4l protein [Rattus norvegicus] | gi\|197927441 | 94 | 32 | 40 | 6 | 19 | 13 |
| 488 | ATP-binding cassette, sub-family E (OABP), member 1 [Rattus norvegicus], gi\|197098652\|ref\|NP_001126534.1\| ATP-binding cassette, sub-family E (OABP), member 1 [Pongo abelii], gi\|55731829\|emb\|CAH92618.1\| hypothetical protein [Pongo abelii], gi\|149037946\|gb\| | gi\|157823309 | 67 | 58 | 1 | 20 | 20 | 38 |
| 489 | ribosomal protein S4 | gi\|227229 (+1) | 30 | 49 | 0 | 17 | 17 | 32 |
| 490 | eukaryotic translation elongation factor 1 delta [Rattus norvegicus], gi\|51259466\|gb\|AAH79391.1\| Eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) [Rattus norvegicus] | gi\|61556967 | 72 | 52 | 6 | 16 | 18 | 34 |
| 491 | acidic (leucine-rich) nuclear phosphoprotein 32 family, member B [Rattus norvegicus], gi\|81917438\|sp\|Q9EST6.1\|AN32B_RAT RecName: Full=Acidic leucine-rich nuclear phosphoprotein 32 family member B; AltName: Full=Proliferation-related acidic leucine-rich pr | gi\|18777770 | 31 | 45 | 22 | 3 | 10 | 35 |
| 492 | COP9 constitutive photomorphogenic homolog subunit 8 [Rattus norvegicus], gi\|55976171\|sp\|Q6P4Z9.1\|CSN8_RAT RecName: Full=COP9 signalosome complex subunit 8; Short=Signalosome subunit 8; Short=SGN8; AltName: Full=JAB1-containing signalosome subunit 8; AltN | gi\|61557351 | 23 | 59 | 9 | 4 | 7 | 52 |
| 493 | sterile alpha and TIR motif containing 1 [Rattus norvegicus], gi\|149053540\|gb\|EDM05357.1\| sterile alpha and TIR motif containing 1 (predicted) [Rattus norvegicus] | gi\|157786658 | 80 | 64 | 1 | 16 | 16 | 48 |
| 494 | neuroblastoma ras oncogene [Rattus norvegicus], gi\|464551\|sp\|Q04970.1\|RASN_RAT RecName: Full=GTPase NRas; AltName: Full=Transforming protein N-Ras; Flags: Precursor, gi\|56769\|emb\|CAA48460.1\| p21 protein [Rattus norvegicus], gi\|68534734\|gb\|AAH98659.1\| Neur | gi\|18158431 | 21 | 71 | 1 | 2 | 2 | 69 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 495 | platelet-activating factor acetylhydrolase, isoform Ib, beta subunit [Rattus norvegicus], gi\|40254624\|ref\|NP_032801.2\| platelet-activating factor acetylhydrolase, isoform Ib, beta subunit [Mus musculus], gi\|6093640\|sp\|O35264.1\|PA1B2_RAT RecName: Full=Plat | gi\|11693154 | 26 | 48 | 26 | 2 | 10 | 38 |
| 496 | thioredoxin reductase 1, isoform CRA_a [Rattus norvegicus] | gi\|149067338 (+3) | 67 | 45 | 33 | 0 | 10 | 35 |
| 497 | phospholipase C, beta 1 [Rattus norvegicus], gi\|130223\|sp\|P10687.1\|PLCB1_RAT RecName: Full=1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-1; AltName: Full=Phosphoinositide phospholipase C; AltName: Full=Phospholipase C-beta-1; Short=PLC-be | gi\|117647200 (+1) | 138 | 67 | 9 | 0 | 3 | 64 |
| 498 | cytokine induced apoptosis inhibitor 1 [Rattus norvegicus], gi\|53733543\|gb\|AAH83753.1\| Cytokine induced apoptosis inhibitor 1 [Rattus norvegicus], gi\|149032432\|gb\|EDL87323.1\| cytokine induced apoptosis inhibitor 1 [Rattus norvegicus] | gi\|56090353 | 33 | 36 | 19 | 12 | 18 | 18 |
| 499 | Chain A, G Protein Heterotrimer Gi_alpha_1 Beta_1 Gamma_2 With Gdp Bound, gi\|2392128\|pdb\|1AGR\|A Chain A, Complex Of Alf4-Activated Gi-Alpha-1 With Rgs4, gi\|2392129\|pdb\|1AGR\|D Chain D, Complex Of Alf4-Activated Gi-Alpha-1 With Rgs4, gi\|4930007\|pdb\|1CIP\|A C | gi\|1942397 (+1) | 40 | 51 | 0 | 25 | 25 | 26 |
| 500 | PREDICTED: similar to GTPase activating protein and VPS9 domains 1 [Rattus norvegicus] | gi\|109468053 (+1) | 160 | 31 | 36 | 13 | 24 | 7 |
| 501 | O-sialoglycoprotein endopeptidase [Rattus norvegicus], gi\|149033627\|gb\|EDL88425.1\| O-sialoglycoprotein endopeptidase, isoform CRA_b [Rattus norvegicus], gi\|165971402\|gb\|AAI58593.1\| Osgep protein [Rattus norvegicus] | gi\|189303591 | 36 | 42 | 26 | 10 | 18 | 24 |
| 502 | ZW10 interacting protein-1 [Rattus norvegicus], gi\|21759469\|sp\|Q8VIL3.1\|ZWINT_RAT RecName: Full=ZW10 interactor; AltName: Full=ZW10-interacting protein 1; Short=Zwint-1; AltName: Full=SNAP25-interacting protein 30; AltName: Full=Scoilin, gi\|17063945\|gb\|AA | gi\|22129759 | 30 | 41 | 12 | 12 | 16 | 25 |
| 503 | PREDICTED: similar to cell adhesion molecule with homology to L1CAM [Rattus norvegicus] | gi\|109474014 | 137 | 33 | 29 | 0 | 9 | 24 |
| 504 | glutamate oxaloacetate transaminase 2 [Rattus norvegicus], gi\|112987\|sp\|P00507.2\|AATM_RAT RecName: Full=Aspartate aminotransferase, mitochondrial; AltName: Full=mAspAT; AltName: Full=Transaminase A; AltName: Full=Glutamate oxaloacetate transaminase 2; Alt | gi\|6980972 | 47 | 69 | 0 | 0 | 0 | 69 |
| 505 | protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform [Rattus norvegicus], gi\|22087629\|gb\|AAM90993.1\| protein phosphatase PP2C gamma [Rattus norvegicus], gi\|38303971\|gb\|AAH62083.1\| Protein phosphatase 1G (formerly 2C), magnesium-depende | gi\|22219444 | 59 | 59 | 9 | 3 | 6 | 53 |
| 506 | RecName: Full=Isopentenyl-diphosphate Delta-isomerase 1; AltName: Full=Isopentenyl pyrophosphate isomerase 1; Short=IPP isomerase 1; Short=IPPI1, gi\|127800114\|gb\|AAH89786.2\| Isopentenyl-diphosphate delta isomerase 1 [Rattus norvegicus] | gi\|147744566 (+1) | 26 | 43 | 17 | 9 | 14 | 29 |
| 507 | vimentin [Rattus norvegicus], gi\|401365\|sp\|P31000.2\|VIME_RAT RecName: Full=Vimentin, gi\|57480\|emb\|CAA44722.1\| vimentin [Rattus norvegicus], gi\|38197662\|gb\|AAH61847.1\| Vimentin [Rattus norvegicus] | gi\|14389299 (+1) | 54 | 47 | 5 | 15 | 17 | 30 |
| 508 | ankyrin repeat and FYVE domain containing 1 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149053305 | 112 | 31 | 30 | 8 | 17 | 14 |
| 509 | mevalonate (diphospho) decarboxylase [Rattus norvegicus], gi\|2498339\|sp\|Q62967.1\|ERG19_RAT RecName: Full=Diphosphomevalonate decarboxylase; AltName: Full=Mevalonate pyrophosphate decarboxylase; AltName: Full=Mevalonate (diphospho)decarboxylase, gi\|1322245 | gi\|13592005 (+1) | 44 | 32 | 28 | 9 | 18 | 14 |
| 510 | eukaryotic translation initiation factor 3, subunit I [Rattus norvegicus], gi\|187471122\|sp\|B0BNA7.1\|EIF3I_RAT RecName: Full=Eukaryotic translation initiation factor 3 subunit I; Short=eIF3i; AltName: Full=Eukaryotic translation initiation factor 3 subunit | gi\|169234840 | 36 | 47 | 2 | 15 | 16 | 31 |
| 511 | thioredoxin-like 1 [Rattus norvegicus], gi\|212722176\|ref\|NP_001131150.1\| hypothetical protein LOC100192458 [Zea mays], gi\|81916316\|sp\|Q920J4.3\|TXNL1_RAT RecName: Full=Thioredoxin-like protein 1; AltName: Full=Thioredoxin-related protein, gi\|15430626\|gb\|AA | gi\|18266686 | 32 | 26 | 37 | 4 | 16 | 10 |
| 512 | Na+/K+ -ATPase beta 3 subunit [Rattus norvegicus], gi\|3121778\|sp\|Q63377.1\|AT1B3_RAT RecName: Full=Sodium/potassium-transporting ATPase subunit beta-3; AltName: Full=Sodium/potassium-dependent ATPase subunit beta-3; Short=ATPB-3; AltName: CD_antigen=CD298, | gi\|6978553 | 32 | 56 | 0 | 18 | 18 | 38 |
| 513 | O-linked N-acetylglucosamine transferase [Rattus norvegicus], gi\|149042180\|gb\|EDL95887.1\| O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase), isoform CRA_b [Rattus norvegicus], gi\|14904 | gi\|139948535 (+1) | 116 | 46 | 7 | 13 | 15 | 31 |
| 514 | RecName: Full=Apolipoprotein A-IV; Short=Apo-AIV; Short=ApoA-IV; Flags: Precursor, gi\|202941\|gb\|AAA40747.1\| preapolipoprotein A-IV, gi\|202943\|gb\|AAA40748.1\| apolipoprotein A-IV, gi\|60552712\|gb\|AAH91159.1\| Apolipoprotein A-IV [Rattus norvegicus], gi\|149041 | gi\|114008 (+1) | 44 | 40 | 35 | 0 | 11 | 29 |
| 515 | ATPase, Na+/K+ transporting, alpha 1 polypeptide, isoform CRA_a [Rattus norvegicus], gi\|149030486\|gb\|EDL85523.1\| ATPase, Na+/K+ transporting, alpha 1 polypeptide, isoform CRA_a [Rattus norvegicus] | gi\|149030485 (+2) | 112 | 54 | 6 | 9 | 11 | 43 |
| 516 | CTP synthase II [Rattus norvegicus], gi\|81883462\|sp\|Q5U2N0.1\|PYRG2_RAT RecName: Full=CTP synthase 2; AltName: Full=UTP--ammonia ligase 2; AltName: Full=CTP synthetase 2, gi\|55250782\|gb\|AAH85949.1\| CTP synthase II [Rattus norvegicus] | gi\|78042611 | 66 | 59 | 3 | 7 | 8 | 51 |
| 517 | PREDICTED: similar to Glucocorticoid receptor DNA-binding factor 1 (GAP-associated protein p190) [Rattus norvegicus] | gi\|109461308 | 168 | 32 | 16 | 14 | 19 | 13 |
| 518 | VAMP (vesicle-associated membrane protein)-associated protein A [Rattus norvegicus], gi\|122066704\|sp\|Q9Z270.3\|VAPA_RAT RecName: Full=Vesicle-associated membrane protein-associated protein A; Short=VAMP-associated protein A; Short=VAMP-A; Short=VAP-A; AltN | gi\|118142811 | 28 | 48 | 5 | 2 | 4 | 44 |
| 519 | minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae), isoform CRA_b [Rattus norvegicus] | gi\|149058718 (+1) | 88 | 42 | 14 | 13 | 17 | 25 |
| 520 | PREDICTED: similar to HECT domain containing 1 [Rattus norvegicus] | gi\|109478203 | 289 | 30 | 15 | 12 | 17 | 13 |
| 521 | ribosomal protein S2 [Rattus norvegicus] | gi\|2920833 | 27 | 45 | 0 | 8 | 8 | 37 |
| 522 | NORBIN [Rattus norvegicus] | gi\|2564013 | 79 | 50 | 17 | 2 | 7 | 43 |
| 523 | proteasome beta 3 subunit [Rattus norvegicus], gi\|730380\|sp\|P40112.1\|PSB3_RAT RecName: Full=Proteasome subunit beta type-3; AltName: Full=Proteasome theta chain; AltName: Full=Proteasome chain 13; AltName: Full=Proteasome component C10-II, gi\|458731\|dbj\|B | gi\|8394082 | 23 | 53 | 14 | 2 | 6 | 47 |
| 524 | NSFL1 (p97) cofactor (p47) [Rattus norvegicus], gi\|41017427\|sp\|O35987.1\|NSF1C_RAT RecName: Full=NSFL1 cofactor p47; AltName: Full=p97 cofactor p47; AltName: Full=XY body-associated protein XY40, gi\|2285790\|dbj\|BAA21659.1\| p47 [Rattus norvegicus], gi\|25470 | gi\|14010837 | 41 | 46 | 22 | 0 | 7 | 39 |
| 525 | RecName: Full=Beta-adducin; AltName: Full=Erythrocyte adducin subunit beta; AltName: Full=Adducin-63 | gi\|10720378 (+2) | 81 | 44 | 3 | 17 | 18 | 26 |
| 526 | eukaryotic translation initiation factor 3, subunit H [Rattus norvegicus], gi\|81885459\|sp\|Q6P9U8.1\|EIF3H_RAT RecName: Full=Eukaryotic translation initiation factor 3 subunit H; Short=eIF3h; AltName: Full=Eukaryotic translation initiation factor 3 subunit | gi\|38454242 | 40 | 46 | 0 | 14 | 14 | 32 |
| 527 | eukaryotic translation initiation factor 5 [Rattus norvegicus], gi\|585303\|sp\|Q07205.1\|IF5_RAT RecName: Full=Eukaryotic translation initiation factor 5; Short=eIF-5, gi\|294545\|gb\|AAA41112.1\| eukaryotic initiation factor 5, gi\|38382855\|gb\|AAH62398.1\| Eukary | gi\|9910214 | 49 | 47 | 9 | 13 | 16 | 31 |
| 528 | proteasome activator subunit 3 [Mus musculus], gi\|30410794\|ref\|NP_005780.2\| proteasome activator subunit 3 isoform 1 [Homo sapiens], gi\|47523754\|ref\|NP_999513.1\| proteasome activator subunit 3 [Sus scrofa], gi\|58865366\|ref\|NP_001011894.1\| proteasome (pros | gi\|6755214 | 30 | 51 | 10 | 6 | 9 | 42 |
| 529 | synaptosomal-associated protein 25 isoform SNAP25A [Homo sapiens], gi\|207080112\|ref\|NP_001128960.1\| DKFZP459L0820 protein [Pongo abelii], gi\|73991295\|ref\|XP_849677.1\| PREDICTED: similar to synaptosomal-associated protein 25 isoform SNAP25A isoform 3 [Cani | gi\|18765733 | 23 | 52 | 0 | 8 | 8 | 44 |
| 530 | exportin 7, isoform CRA_b [Rattus norvegicus] | gi\|149049916 | 124 | 48 | 9 | 13 | 16 | 32 |
| 531 | RNA (guanine-7-) methyltransferase [Rattus norvegicus], gi\|81883509\|sp\|Q5U2U7.1\|MCES_RAT RecName: Full=mRNA cap guanine-N7 methyltransferase; AltName: Full=mRNA (guanine-N(7)-)-methyltransferase; AltName: Full=RG7MT1; AltName: Full=mRNA cap methyltransfer | gi\|56605632 | 53 | 37 | 22 | 3 | 10 | 27 |
| 532 | coronin, actin binding protein 1C [Rattus norvegicus], gi\|149063636\|gb\|EDM13959.1\| similar to Coronin, actin binding protein 1C (predicted) [Rattus norvegicus] | gi\|157818697 | 53 | 46 | 13 | 4 | 8 | 38 |
| 533 | solute carrier family 25, member 4 [Rattus norvegicus], gi\|461475\|sp\|Q05962.3\|ADT1_RAT RecName: Full=ADP/ATP translocase 1; AltName: Full=Adenine nucleotide translocator 1; Short=ANT 1; AltName: Full=ADP,ATP carrier protein 1; AltName: Full=Solute carrier | gi\|32189355 (+1) | 33 | 57 | 5 | 6 | 8 | 49 |
| 534 | phospholipase A2, activating protein, isoform CRA_a [Rattus norvegicus] | gi\|149044496 (+1) | 92 | 43 | 6 | 11 | 13 | 30 |
| 535 | cysteinyl-tRNA synthetase (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149061783 (+1) | 95 | 51 | 2 | 10 | 11 | 40 |
| 536 | immunoglobulin superfamily, member 3 [Rattus norvegicus], gi\|149030487\|gb\|EDL85524.1\| immunoglobulin superfamily, member 3 (predicted) [Rattus norvegicus] | gi\|158631164 | 120 | 63 | 0 | 6 | 6 | 57 |
| 537 | ras-related C3 botulinum toxin substrate 1 isoform Rac1 [Homo sapiens], gi\|27806443\|ref\|NP_776588.1\| ras-related C3 botulinum toxin substrate 1 [Bos taurus], gi\|45384330\|ref\|NP_990348.1\| ras-related C3 botulinum toxin substrate 1 (rho family, small GTP bi | gi\|9845511 | 21 | 42 | 18 | 0 | 6 | 36 |
| 538 | PREDICTED: similar to baculoviral IAP repeat-containing 6 [Rattus norvegicus] | gi\|109478992 (+1) | 547 | 37 | 3 | 15 | 16 | 21 |
| 539 | RecName: Full=Alpha-1-antiproteinase; AltName: Full=Alpha-1-antitrypsin; AltName: Full=Alpha-1-proteinase inhibitor; Flags: Precursor | gi\|112889 (+2) | 46 | 6 | 58 | 0 | 18 | 0 |
| 540 | RecName: Full=Neurolysin, mitochondrial; AltName: Full=Neurotensin endopeptidase; AltName: Full=Mitochondrial oligopeptidase M; AltName: Full=Microsomal endopeptidase; Short=MEP; Flags: Precursor, gi\|987087\|emb\|CAA60630.1\| neurolysin; neurotensin-degradin | gi\|1171691 (+2) | 80 | 42 | 15 | 2 | 7 | 35 |
| 541 | casein kinase 2, beta subunit, isoform CRA_b [Rattus norvegicus] | gi\|149028072 (+1) | 27 | 42 | 13 | 9 | 13 | 29 |
| 542 | PREDICTED: similar to SLIT-ROBO Rho GTPase-activating protein 3 (srGAP3) (srGAP2) (WAVE-associated Rac GTPase-activating protein) (WRP) (Rho-GTPase-activating protein 14) [Rattus norvegicus], gi\|109473966\|ref\|XP_001076245.1\| PREDICTED: similar to SLIT-ROB | gi\|62648014 | 124 | 50 | 9 | 8 | 11 | 39 |
| 543 | PREDICTED: similar to heterogeneous nuclear ribonucleoprotein U isoform a [Rattus norvegicus], gi\|109463488\|ref\|XP_001073417.1\| PREDICTED: similar to heterogeneous nuclear ribonucleoprotein U isoform a [Rattus norvegicus] | gi\|109459838 (+1) | 97 | 27 | 23 | 13 | 20 | 7 |
| 544 | cullin 2 [Rattus norvegicus], gi\|149032583\|gb\|EDL87461.1\| cullin 2 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157817342 | 85 | 46 | 7 | 12 | 14 | 32 |
| 545 | eukaryotic translation initiation factor 5A isoform B [Homo sapiens], gi\|31712036\|ref\|NP_853613.1\| eukaryotic translation initiation factor 5A [Mus musculus], gi\|51036244\|ref\|NP_001003658.1\| eukaryotic translation initiation factor 5A [Bos taurus], gi\|760 | gi\|4503545 | 17 | 53 | 15 | 0 | 5 | 48 |
| 546 | CDC16 cell division cycle 16 homolog [Rattus norvegicus], gi\|66911485\|gb\|AAH97498.1\| CDC16 cell division cycle 16 homolog (S. cerevisiae) [Rattus norvegicus] | gi\|67078528 | 71 | 47 | 2 | 8 | 9 | 38 |
| 547 | proteasome (prosome, macropain) subunit, alpha type 7 [Rattus norvegicus], gi\|149034051\|gb\|EDL88834.1\| rCG38543, isoform CRA_a [Rattus norvegicus] | gi\|56550075 | 28 | 56 | 10 | 0 | 3 | 53 |
| 548 | protein phosphatase 1, catalytic subunit, beta isoform 1 [Homo sapiens], gi\|6981388\|ref\|NP_037197.1\| protein phosphatase 1, catalytic subunit, beta [Rattus norvegicus], gi\|45384112\|ref\|NP_990453.1\| protein phosphatase 1, catalytic subunit, beta isoform [G | gi\|4506005 | 37 | 56 | 12 | 2 | 6 | 50 |
| 549 | rCG57686 [Rattus norvegicus] | gi\|149040327 | 65 | 49 | 6 | 5 | 7 | 42 |
| 550 | PREDICTED: similar to Nidogen-1 precursor (Entactin) [Rattus norvegicus] | gi\|109505096 | 137 | 51 | 0 | 11 | 11 | 40 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 551 | cofilin 2, muscle [Mus musculus], gi\|1168994\|sp\|P45591.1\|COF2_MOUSE RecName: Full=Cofilin-2; AltName: Full=Cofilin, muscle isoform, gi\|498017\|gb\|AAA37433.1\| cofilin, gi\|13938044\|gb\|AAH07138.1\| Cofilin 2, muscle [Mus musculus], gi\|74151236\|dbj\|BAE27737.1\| | gi\|6671746 | 19 | 32 | 32 | 0 | 10 | 22 |
| 552 | RecName: Full=Matrin-3; AltName: Full=Nuclear scaffold protein p130/MAT3, gi\|2276402\|gb\|AAB63955.1\| matrin 3 [Rattus norvegicus] | gi\|12643398 (+1) | 94 | 43 | 4 | 11 | 12 | 31 |
| 553 | PREDICTED: similar to Filamin-C (Gamma-filamin) (Filamin-2) (Protein FLNc) (Actin-binding-like protein) (ABP-L) (ABP-280-like protein) isoform 3 [Rattus norvegicus] | gi\|109473203 (+1) | 287 | 25 | 33 | 5 | 15 | 10 |
| 554 | PREDICTED: similar to Ubiquitin carboxyl-terminal hydrolase 24 (Ubiquitin thiolesterase 24) (Ubiquitin-specific-processing protease 24) (Deubiquitinating enzyme 24) [Rattus norvegicus], gi\|109476934\|ref\|XP_001064937.1\| PREDICTED: similar to Ubiquitin carb | gi\|109475211 | 235 | 36 | 13 | 12 | 16 | 20 |
| 555 | nuclear receptor binding protein [Rattus norvegicus], gi\|74356247\|gb\|AAI04695.1\| Nuclear receptor binding protein [Rattus norvegicus], gi\|149050746\|gb\|EDM02919.1\| nuclear receptor binding protein [Rattus norvegicus] | gi\|78042609 | 60 | 31 | 16 | 15 | 20 | 11 |
| 556 | PREDICTED: similar to Hook-related protein 1 [Rattus norvegicus] | gi\|109501126 | 212 | 28 | 23 | 3 | 10 | 18 |
| 557 | ADP-ribosylation factor-like 2 [Rattus norvegicus], gi\|3182914\|sp\|O08697.1\|ARL2_RAT RecName: Full=ADP-ribosylation factor-like protein 2, gi\|2062133\|emb\|CAA73245.1\| ADP-ribosylation factor-like protein [Rattus norvegicus] | gi\|13928996 (+1) | 21 | 41 | 25 | 0 | 8 | 33 |
| 558 | anaphase-promoting complex subunit 5 (predicted) [Rattus norvegicus] | gi\|149063341 | 83 | 37 | 4 | 18 | 19 | 18 |
| 559 | UDP-glucose pyrophosphorylase 2 [Rattus norvegicus], gi\|66910575\|gb\|AAH97369.1\| UDP-glucose pyrophosphorylase 2 [Rattus norvegicus], gi\|149044770\|gb\|EDL97956.1\| UDP-glucose pyrophosphorylase 2, isoform CRA_b [Rattus norvegicus] | gi\|67078526 | 57 | 55 | 5 | 2 | 4 | 51 |
| 560 | RAB5B, member RAS oncogene family [Rattus norvegicus], gi\|120537414\|gb\|AAI29102.1\| RAB5B, member RAS oncogene family [Rattus norvegicus], gi\|149029654\|gb\|EDL84825.1\| RAB5B, member RAS oncogene family (predicted), isoform CRA_c [Rattus norvegicus] | gi\|121583768 | 24 | 50 | 15 | 4 | 9 | 41 |
| 561 | glutathione transferase zeta 1 [Rattus norvegicus], gi\|149025260\|gb\|EDL81627.1\| rCG20683, isoform CRA_b [Rattus norvegicus], gi\|165971039\|gb\|AAI58834.1\| Glutathione transferase zeta 1 [Rattus norvegicus], gi\|208969735\|gb\|ACI32127.1\| glutathione S-transfer | gi\|157822229 | 24 | 41 | 20 | 7 | 13 | 28 |
| 562 | calcium channel, voltage-dependent, alpha2/delta subunit 1 isoform 2 [Rattus norvegicus], gi\|27450704\|gb\|AAO14652.1\|AF486276_1 calcium channel alpha-2 delta-1 subunit isoform e [Rattus norvegicus] | gi\|161086906 (+1) | 123 | 61 | 0 | 5 | 5 | 56 |
| 563 | N-ethylmaleimide-sensitive factor attachment protein, alpha [Rattus norvegicus], gi\|6094309\|sp\|P54921.2\|SNAA_RAT RecName: Full=Alpha-soluble NSF attachment protein; Short=SNAP-alpha; AltName: Full=N-ethylmaleimide-sensitive factor attachment protein alpha | gi\|18034791 | 33 | 52 | 2 | 8 | 9 | 43 |
| 564 | proteasome (prosome, macropain) subunit, beta type 7 [Rattus norvegicus], gi\|17380238\|sp\|Q9JHW0.1\|PSB7_RAT RecName: Full=Proteasome subunit beta type-7; AltName: Full=Proteasome subunit Z; AltName: Full=Macropain chain Z; AltName: Full=Multicatalytic endo | gi\|16758298 | 30 | 56 | 9 | 3 | 6 | 50 |
| 565 | rCG26466, isoform CRA_b [Rattus norvegicus] | gi\|149023210 | 143 | 44 | 0 | 10 | 10 | 34 |
| 566 | adaptor protein complex AP-2, mu1 [Mus musculus], gi\|14917109\|ref\|NP_004059.2\| adaptor-related protein complex 2, mu 1 subunit isoform a [Homo sapiens], gi\|16758938\|ref\|NP_446289.1\| adaptor-related protein complex 2, mu 1 subunit [Rattus norvegicus], gi\|7 | gi\|6753074 | 50 | 48 | 6 | 6 | 8 | 40 |
| 567 | lysophospholipase 2 [Rattus norvegicus], gi\|41017253\|sp\|Q9QYL8.1\|LYPA2_RAT RecName: Full=Acyl-protein thioesterase 2; AltName: Full=Lysophospholipase II; AltName: Full=Lysophospholipase 2, gi\|6518521\|dbj\|BAA87911.1\| lysophospholipase II [Rattus norvegicus | gi\|13786178 | 25 | 23 | 28 | 4 | 13 | 10 |
| 568 | laminin, gamma 1 [Rattus norvegicus] | gi\|149058392 (+1) | 171 | 59 | 0 | 7 | 7 | 52 |
| 569 | aldo-keto reductase family 1, member B1 [Rattus norvegicus], gi\|1168407\|sp\|P07943.3\|ALDR_RAT RecName: Full=Aldose reductase; Short=AR; AltName: Full=Aldehyde reductase, gi\|55759\|emb\|CAA29308.1\| unnamed protein product [Rattus norvegicus], gi\|202852\|gb\|AAA | gi\|6978491 | 36 | 32 | 20 | 0 | 6 | 26 |
| 570 | ARP1 actin-related protein 1 homolog B, centractin beta [Mus musculus], gi\|166157502\|ref\|NP_001034117.2\| ARP1 actin-related protein 1 homolog B [Rattus norvegicus], gi\|47115849\|sp\|Q8R5C5.1\|ACTY_MOUSE RecName: Full=Beta-centractin; AltName: Full=Actin-rela | gi\|22122615 | 42 | 47 | 0 | 13 | 13 | 34 |
| 571 | RAN binding protein 1 [Rattus norvegicus], gi\|149019779\|gb\|EDL77927.1\| rCG36598 [Rattus norvegicus] | gi\|157820113 | 24 | 34 | 12 | 0 | 4 | 30 |
| 572 | small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha [Rattus norvegicus], gi\|8134664\|sp\|O70593.1\|SGTA_RAT RecName: Full=Small glutamine-rich tetratricopeptide repeat-containing protein alpha; AltName: Full=Alpha-SGT; AltName: Full=Small g | gi\|12083667 | 34 | 43 | 24 | 0 | 8 | 35 |
| 573 | eukaryotic translation elongation factor 1 epsilon 1 [Rattus norvegicus], gi\|149045165\|gb\|EDL98251.1\| rCG43901 [Rattus norvegicus], gi\|187469479\|gb\|AAI66841.1\| Eukaryotic translation elongation factor 1 epsilon 1 [Rattus norvegicus] | gi\|157816879 | 20 | 54 | 3 | 0 | 1 | 53 |
| 574 | anaphase promoting complex subunit 4 [Rattus norvegicus], gi\|149047211\|gb\|EDL99880.1\| anaphase promoting complex subunit 4, isoform CRA_a [Rattus norvegicus] | gi\|157821679 | 92 | 49 | 0 | 9 | 9 | 40 |
| 575 | ADP-ribosylation factor-like 1 [Rattus norvegicus], gi\|153792526\|ref\|NP_080135.2\| ADP-ribosylation factor-like 1 [Mus musculus], gi\|47117641\|sp\|P61212.1\|ARL1_RAT RecName: Full=ADP-ribosylation factor-like protein 1, gi\|47117662\|sp\|P61211.1\|ARL1_MOUSE RecN | gi\|11693150 (+2) | 20 | 41 | 21 | 0 | 7 | 34 |
| 576 | Rab6 interacting protein 2, isoform CRA_c [Rattus norvegicus] | gi\|149049598 | 125 | 48 | 5 | 1 | 3 | 45 |
| 577 | glycoprotein m6a [Rattus norvegicus], gi\|28201133\|dbj\|BAC56699.1\| glycoprotein m6a [Rattus norvegicus], gi\|57032815\|gb\|AAH88862.1\| Glycoprotein m6a [Rattus norvegicus], gi\|149021493\|gb\|EDL78956.1\| glycoprotein m6a, isoform CRA_b [Rattus norvegicus] | gi\|30017437 | 31 | 56 | 6 | 0 | 2 | 54 |
| 578 | vacuolar protein sorting 53 homolog [Rattus norvegicus], gi\|149053432\|gb\|EDM05249.1\| vacuolar protein sorting 53 (yeast) (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157786652 | 94 | 46 | 0 | 13 | 13 | 33 |
| 579 | Vdac1 protein [Rattus norvegicus] | gi\|38051979 (+1) | 32 | 49 | 2 | 6 | 7 | 42 |
| 580 | phenylalanyl-tRNA synthetase, alpha subunit [Rattus norvegicus], gi\|81887353\|sp\|Q505J8.1\|SYFA_RAT RecName: Full=Phenylalanyl-tRNA synthetase alpha chain; AltName: Full=Phenylalanine--tRNA ligase alpha chain; Short=PheRS, gi\|63101487\|gb\|AAH94515.1\| Phenyla | gi\|66730413 | 58 | 37 | 0 | 19 | 19 | 18 |
| 581 | hemoglobin alpha 2 chain [Rattus norvegicus], gi\|1304381\|gb\|AAA99054.1\| hemoglobin alpha chain, gi\|3367720\|emb\|CAA46476.1\| alpha-2-globin chain [Rattus norvegicus], gi\|3367722\|emb\|CAA39764.1\| 2-alpha globin [Rattus norvegicus], gi\|60688619\|gb\|AAH91567.1\| | gi\|60678292 (+1) | 15 | 62 | 1 | 0 | 0 | 62 |
| 582 | transportin 3 [Rattus norvegicus], gi\|149065154\|gb\|EDM15230.1\| transportin 3 [Rattus norvegicus] | gi\|157819279 | 104 | 30 | 16 | 6 | 11 | 19 |
| 583 | WAS protein family, member 1 [Rattus norvegicus], gi\|81882530\|sp\|Q5BJU7.1\|WASF1_RAT RecName: Full=Wiskott-Aldrich syndrome protein family member 1; Short=WASP family protein member 1; AltName: Full=Protein WAVE-1, gi\|60551504\|gb\|AAH91322.1\| WAS protein fa | gi\|68341973 | 62 | 50 | 1 | 9 | 9 | 41 |
| 584 | rCG59652, isoform CRA_b [Rattus norvegicus] | gi\|149065835 | 63 | 32 | 31 | 1 | 11 | 21 |
| 585 | spermidine synthase [Rattus norvegicus], gi\|13384156\|gb\|AAK21288.1\|AF337636_1 spermidine synthase [Rattus norvegicus], gi\|118763718\|gb\|AAI28734.1\| Spermidine synthase [Rattus norvegicus] | gi\|16758208 | 34 | 23 | 31 | 2 | 12 | 11 |
| 586 | aminopeptidase-B [Rattus norvegicus] | gi\|1754515 (+1) | 73 | 45 | 15 | 0 | 5 | 40 |
| 587 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 1 [Rattus norvegicus], gi\|76364171\|sp\|Q641Y8.1\|DDX1_RAT RecName: Full=ATP-dependent RNA helicase DDX1; AltName: Full=DEAD box protein 1, gi\|51980333\|gb\|AAH82049.1\| DEAD (Asp-Glu-Ala-Asp) box polypeptide 1 [Rattus nor | gi\|61097941 | 82 | 33 | 2 | 15 | 16 | 17 |
| 588 | ribosomal protein S7 [Homo sapiens], gi\|6755376\|ref\|NP_035430.1\| ribosomal protein S7 [Mus musculus], gi\|57618938\|ref\|NP_001009832.1\| ribosomal protein S7 [Felis catus], gi\|149642623\|ref\|NP_001092344.1\| ribosomal protein S7 [Bos taurus], gi\|201862122\|ref\| | gi\|4506741 | 22 | 44 | 0 | 8 | 8 | 36 |
| 589 | prenylcysteine oxidase 1 [Rattus norvegicus], gi\|62286984\|sp\|Q99ML5.1\|PCYOX_RAT RecName: Full=Prenylcysteine oxidase; AltName: Full=Chloride ion pump-associated 55 kDa protein; Flags: Precursor, gi\|13242075\|gb\|AAK16548.1\|AF332142_1 chloride ion pump-assoc | gi\|21489987 | 56 | 62 | 0 | 0 | 0 | 62 |
| 590 | SEC13 homolog [Rattus norvegicus], gi\|81910340\|sp\|Q5XFW8.1\|SEC13_RAT RecName: Full=Protein SEC13 homolog; AltName: Full=SEC13-like protein 1, gi\|54261633\|gb\|AAH84705.1\| SEC13 homolog (S. cerevisiae) [Rattus norvegicus], gi\|149036942\|gb\|EDL91560.1\| SEC13-l | gi\|55741774 | 36 | 33 | 11 | 12 | 15 | 18 |
| 591 | poly(A) binding protein, cytoplasmic 1 [Rattus norvegicus], gi\|47605941\|sp\|Q9EPH8.1\|PABP1_RAT RecName: Full=Polyadenylate-binding protein 1; Short=Poly(A)-binding protein 1; Short=PABP 1, gi\|12188891\|emb\|CAC21554.1\| poly(A) binding protein [Rattus norvegi | gi\|19705459 | 71 | 52 | 4 | 6 | 7 | 45 |
| 592 | RecName: Full=UMP-CMP kinase; AltName: Full=Cytidylate kinase; AltName: Full=Deoxycytidylate kinase; AltName: Full=Cytidine monophosphate kinase; AltName: Full=Uridine monophosphate kinase; AltName: Full=Uridine monophosphate/cytidine monophosphate kinase | gi\|150383503 | 22 | 36 | 21 | 0 | 7 | 29 |
| 593 | glypican 4 [Rattus norvegicus], gi\|51980590\|gb\|AAH81962.1\| Glypican 4 [Rattus norvegicus] | gi\|62078949 | 63 | 53 | 0 | 5 | 5 | 48 |
| 594 | ezrin [Rattus norvegicus], gi\|68067388\|sp\|P31977.3\|EZRI_RAT RecName: Full=Ezrin; AltName: Full=p81; AltName: Full=Cytovillin; AltName: Full=Villin-2, gi\|51858695\|gb\|AAH81958.1\| Ezrin [Rattus norvegicus], gi\|149028296\|gb\|EDL83712.1\| villin 2 [Rattus norveg | gi\|52138521 | 69 | 44 | 12 | 0 | 4 | 40 |
| 595 | PREDICTED: similar to Ubiquitin-protein ligase EDD1 (Hyperplastic discs protein homolog) [Rattus norvegicus] | gi\|109480712 (+1) | 307 | 43 | 1 | 13 | 13 | 30 |
| 596 | PREDICTED: similar to talin 2 isoform 2 [Rattus norvegicus] | gi\|109484980 (+2) | 272 | 33 | 14 | 7 | 11 | 22 |
| 597 | acidic ribosomal phosphoprotein P0 [Rattus norvegicus], gi\|730581\|sp\|P19945.2\|RLA0_RAT RecName: Full=60S acidic ribosomal protein P0; AltName: Full=L10E, gi\|450370\|emb\|CAA82647.1\| acidic ribosomal protein P0 [Rattus norvegicus], gi\|38541406\|gb\|AAH62028.1\| | gi\|11693176 | 34 | 35 | 10 | 16 | 19 | 16 |
| 598 | biliverdin reductase A [Rattus norvegicus], gi\|1168674\|sp\|P46844.1\|BIEA_RAT RecName: Full=Biliverdin reductase A; Short=BVR A; AltName: Full=Biliverdin-IX alpha-reductase; Flags: Precursor, gi\|13096101\|pdb\|1GCU\|A Chain A, Crystal Structure Of Rat Biliverd | gi\|16758714 (+1) | 34 | 27 | 22 | 6 | 13 | 14 |
| 599 | amphiphysin [Rattus norvegicus], gi\|14916529\|sp\|O08838.1\|AMPH_RAT RecName: Full=Amphiphysin, gi\|2145467\|emb\|CAA73808.1\| amphiphysin [Rattus norvegicus] | gi\|11560002 | 75 | 48 | 2 | 10 | 11 | 37 |
| 600 | dynein cytoplasmic 1 intermediate chain 1, isoform CRA_a [Rattus norvegicus] | gi\|149064950 (+2) | 71 | 45 | 2 | 10 | 11 | 34 |
| 601 | PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein L-like [Rattus norvegicus], gi\|109478941\|ref\|XP_001063027.1\| PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein L-like [Rattus norvegicus] | gi\|109477851 | 85 | 36 | 3 | 14 | 15 | 21 |
| 602 | nuclear distribution gene C homolog [Rattus norvegicus], gi\|62286960\|sp\|Q63525.1\|NUDC_RAT RecName: Full=Nuclear migration protein nudC; AltName: Full=Nuclear distribution protein C homolog; AltName: Full=c15, gi\|619907\|emb\|CAA57825.1\| RnudC [Rattus norveg | gi\|8394272 | 38 | 37 | 28 | 1 | 10 | 27 |
| 603 | enolase 2, gamma, neuronal [Rattus norvegicus], gi\|119349\|sp\|P07323.2\|ENOG_RAT RecName: Full=Gamma-enolase; AltName: Full=2-phospho-D-glycerate hydro-lyase; AltName: Full=Neural enolase; AltName: Full=Neuron-specific enolase; Short=NSE; AltName: Full=Enol | gi\|26023949 | 47 | 51 | 8 | 0 | 3 | 48 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 604 | karyopherin alpha 1 (importin alpha 5) [Rattus norvegicus], gi\|59800315\|gb\|AAX07452.1\| karyopherin alpha 1 [Rattus norvegicus], gi\|149060584\|gb\|EDM11298.1\| karyopherin (importin) alpha 1 [Rattus norvegicus] | gi\|148747406 (+1) | 60 | 47 | 6 | 4 | 6 | 41 |
| 605 | G protein pathway suppressor 1 [Mus musculus], gi\|42476092\|ref\|NP_446421.2\| G protein pathway suppressor 1 [Rattus norvegicus], gi\|47116574\|sp\|Q99LD4.1\|CSN1_MOUSE RecName: Full=COP9 signalosome complex subunit 1; Short=Signalosome subunit 1; Short=SGN1; A | gi\|21703742 (+1) | 53 | 32 | 9 | 13 | 16 | 16 |
| 606 | CLIP associating protein 2 [Rattus norvegicus], gi\|77416394\|sp\|Q99JD4.1\|CLAP2_RAT RecName: Full=CLIP-associating protein 2; AltName: Full=Cytoplasmic linker-associated protein 2, gi\|13508651\|emb\|CAC35166.1\| CLIP-associating protein CLASP2 [Rattus norvegic | gi\|16758540 | 141 | 48 | 4 | 5 | 6 | 42 |
| 607 | calcyclin binding protein [Rattus norvegicus], gi\|81884615\|sp\|Q6AYK6.1\|CYBP_RAT RecName: Full=Calcyclin-binding protein; Short=CacyBP, gi\|50926902\|gb\|AAH79007.1\| Calcyclin binding protein [Rattus norvegicus], gi\|149058281\|gb\|EDM09438.1\| calcyclin binding | gi\|51948388 | 27 | 31 | 24 | 0 | 8 | 23 |
| 608 | amyloid beta (A4) precursor protein [Rattus norvegicus], gi\|112930\|sp\|P08592.2\|A4_RAT RecName: Full=Amyloid beta A4 protein; AltName: Full=Alzheimer disease amyloid A4 protein homolog; AltName: Full=ABPP; Short=APP; AltName: Full=Amyloidogenic glycoprotei | gi\|27436861 (+1) | 87 | 42 | 5 | 5 | 7 | 35 |
| 609 | PREDICTED: similar to brefeldin A-inhibited guanine nucleotide-exchange protein 1 [Rattus norvegicus], gi\|109476047\|ref\|XP_001066125.1\| PREDICTED: similar to brefeldin A-inhibited guanine nucleotide-exchange protein 1 [Rattus norvegicus] | gi\|109474575 (+1) | 219 | 30 | 16 | 6 | 11 | 19 |
| 610 | glutathione S-transferase, pi [Rattus norvegicus], gi\|121749\|sp\|P04906.2\|GSTP1_RAT RecName: Full=Glutathione S-transferase P; AltName: Full=GST 7-7; AltName: Full=Chain 7; AltName: Full=GST class-pi, gi\|56336\|emb\|CAA26664.1\| unnamed protein product [Rattu | gi\|25453420 | 23 | 24 | 27 | 3 | 12 | 12 |
| 611 | arsA arsenite transporter, ATP-binding, homolog 1 [Mus musculus], gi\|213512072\|ref\|NP_001093975.1\| arsA arsenite transporter, ATP-binding, homolog 1 [Rattus norvegicus], gi\|14916955\|sp\|O54984.2\|ARSA1_MOUSE RecName: Full=Arsenical pump-driving ATPase; AltN | gi\|12025542 | 39 | 38 | 3 | 19 | 20 | 18 |
| 612 | kinesin family member 21A (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149017592 (+2) | 139 | 40 | 11 | 5 | 8 | 32 |
| 613 | karyopherin (importin) alpha 3 [Mus musculus], gi\|62339392\|ref\|NP_001014792.1\| karyopherin (importin) alpha 3 [Rattus norvegicus], gi\|119904523\|ref\|XP_612814.3\| PREDICTED: similar to importin alpha Q2 [Bos taurus], gi\|3122277\|sp\|O35344.1\|IMA3_MOUSE RecNam | gi\|6680596 (+1) | 58 | 46 | 3 | 3 | 4 | 42 |
| 614 | RecName: Full=Haloacid dehalogenase-like hydrolase domain-containing protein 2, gi\|50925547\|gb\|AAH78941.1\| Haloacid dehalogenase-like hydrolase domain containing 2 [Rattus norvegicus], gi\|149029509\|gb\|EDL84723.1\| rCG41187, isoform CRA_a [Rattus norvegicus | gi\|81884645 | 29 | 36 | 14 | 6 | 10 | 26 |
| 615 | tyrosyl-tRNA synthetase [Rattus norvegicus] | gi\|149024033 (+1) | 63 | 45 | 6 | 10 | 12 | 33 |
| 616 | Fas-associated factor 1 [Rattus norvegicus] | gi\|149035673 | 74 | 33 | 18 | 5 | 11 | 22 |
| 617 | hypothetical protein LOC303238 [Rattus norvegicus], gi\|149053015\|gb\|EDM04832.1\| similar to novel protein (predicted), isoform CRA_b [Rattus norvegicus] | gi\|157822211 | 134 | 40 | 8 | 6 | 9 | 31 |
| 618 | thioredoxin domain containing 1 [Rattus norvegicus], gi\|62948112\|gb\|AAH94308.1\| Thioredoxin domain containing 1 [Rattus norvegicus], gi\|149051378\|gb\|EDM03551.1\| thioredoxin domain containing 1 [Rattus norvegicus] | gi\|67078422 | 31 | 44 | 4 | 1 | 2 | 42 |
| 619 | dynactin 4 [Rattus norvegicus], gi\|62899905\|sp\|Q9QUR2.1\|DCTN4_RAT RecName: Full=Dynactin subunit 4; AltName: Full=Dynactin subunit p62, gi\|6090977\|gb\|AAF03422.1\|AF192494_1 p62 dynactin subunit isoform 2 [Rattus norvegicus], gi\|6176556\|gb\|AAF05618.1\|AF1907 | gi\|16758134 | 53 | 46 | 0 | 13 | 13 | 33 |
| 620 | SAR1a gene homolog 2 [Rattus norvegicus], gi\|81889008\|sp\|Q5HZY2.1\|SAR1B_RAT RecName: Full=GTP-binding protein SAR1b, gi\|57032799\|gb\|AAH88842.1\| SAR1 homolog B (S. cerevisiae) [Rattus norvegicus], gi\|149052515\|gb\|EDM04332.1\| SAR1 gene homolog B (S. cerevis | gi\|57528164 | 22 | 37 | 13 | 0 | 4 | 33 |
| 621 | septin 7, isoform CRA_b [Rattus norvegicus] | gi\|149027897 (+2) | 51 | 48 | 2 | 4 | 5 | 43 |
| 622 | ganglioside-induced differentiation-associated protein 1-like 1 [Rattus norvegicus], gi\|149043007\|gb\|EDL96581.1\| ganglioside-induced differentiation-associated protein 1-like 1 (predicted) [Rattus norvegicus], gi\|195540220\|gb\|AAI68159.1\| Gdap1l1 protein [ | gi\|157821573 | 42 | 29 | 13 | 9 | 13 | 16 |
| 623 | ATPase, H+ transporting, lysosomal V1 subunit C1 [Rattus norvegicus], gi\|81882798\|sp\|Q5FVI6.1\|VATC1_RAT RecName: Full=V-type proton ATPase subunit C 1; Short=V-ATPase subunit C 1; AltName: Full=Vacuolar proton pump subunit C 1, gi\|58476568\|gb\|AAH89961.1\| | gi\|58865560 | 44 | 53 | 3 | 2 | 3 | 50 |
| 624 | RecName: Full=Serine/threonine-protein kinase PAK 2; AltName: Full=p21-activated kinase 2; Short=PAK-2; AltName: Full=Gamma-PAK; Contains: RecName: Full=PAK-2p27; Contains: RecName: Full=PAK-2p34, gi\|1016005\|gb\|AAA79064.1\| serine/threonine kinase, gi\|1245 | gi\|2499648 | 58 | 28 | 31 | 1 | 11 | 17 |
| 625 | RecName: Full=Pyridoxal phosphate phosphatase; Short=PLP phosphatase; AltName: Full=Reg I-binding protein 1 | gi\|85541051 | 33 | 41 | 18 | 0 | 6 | 35 |
| 626 | guanine nucleotide binding protein, alpha 11 [Rattus norvegicus], gi\|12585229\|sp\|Q9JID2.1\|GNA11_RAT RecName: Full=Guanine nucleotide-binding protein subunit alpha-11; Short=G-protein subunit alpha-11; Short=G alpha-11, gi\|8925964\|gb\|AAF81690.1\|AF239674_1 | gi\|13591951 (+1) | 42 | 42 | 0 | 16 | 16 | 26 |
| 627 | TIP41, TOR signaling pathway regulator-like [Rattus norvegicus], gi\|158512831\|sp\|A2VCX1.1\|TIPRL_RAT RecName: Full=TIP41-like protein, gi\|124504345\|gb\|AAI28781.1\| TIP41, TOR signaling pathway regulator-like (S. cerevisiae) [Rattus norvegicus] | gi\|198278573 | 31 | 27 | 30 | 0 | 9 | 18 |
| 628 | capping protein (actin filament) muscle Z-line, beta, isoform CRA_c [Rattus norvegicus] | gi\|149024411 (+2) | 28 | 34 | 11 | 7 | 10 | 24 |
| 629 | leukotriene A4 hydrolase [Rattus norvegicus], gi\|71122467\|gb\|AAH99819.1\| Leukotriene A4 hydrolase [Rattus norvegicus] | gi\|71795621 | 69 | 24 | 28 | 8 | 17 | 7 |
| 630 | similar to RIKEN cDNA 1110059P08 [Rattus norvegicus] | gi\|149039583 | 34 | 33 | 8 | 14 | 17 | 16 |
| 631 | rCG58358, isoform CRA_a [Rattus norvegicus] | gi\|149041694 | 320 | 35 | 2 | 17 | 18 | 17 |
| 632 | rCG45997 [Rattus norvegicus] | gi\|149058446 (+1) | 38 | 37 | 0 | 20 | 20 | 17 |
| 633 | HIV-1 Tat specific factor 1 [Rattus norvegicus], gi\|149015808\|gb\|EDL75132.1\| HIV TAT specific factor 1 (predicted) [Rattus norvegicus] | gi\|157818333 | 89 | 23 | 10 | 17 | 20 | 3 |
| 634 | hypothetical protein LOC302247 [Rattus norvegicus], gi\|45478224\|gb\|AAS66283.1\| LRRGT00192 [Rattus norvegicus] | gi\|114145722 (+1) | 34 | 43 | 4 | 10 | 11 | 32 |
| 635 | DnaJ (Hsp40) homolog, subfamily A, member 2 [Mus musculus], gi\|56799412\|ref\|NP_114468.2\| DnaJ (Hsp40) homolog, subfamily A, member 2 [Rattus norvegicus], gi\|14916553\|sp\|Q9QYJ0.1\|DNJA2_MOUSE RecName: Full=DnaJ homolog subfamily A member 2; Short=mDj3, gi\|6 | gi\|9789937 | 46 | 31 | 4 | 14 | 15 | 16 |
| 636 | rCG62728, isoform CRA_b [Rattus norvegicus] | gi\|149048221 (+1) | 27 | 44 | 0 | 9 | 9 | 35 |
| 637 | NADPH-cytochrome P-450 oxidoreductase | gi\|205660 | 77 | 44 | 0 | 8 | 8 | 36 |
| 638 | 3'-phosphoadenosine 5'-phosphosulfate synthase 1 [Rattus norvegicus], gi\|149025974\|gb\|EDL82217.1\| 3'-phosphoadenosine 5'-phosphosulfate synthase 1 (predicted) [Rattus norvegicus] | gi\|157823805 | 66 | 45 | 3 | 11 | 12 | 33 |
| 639 | CTP synthase [Rattus norvegicus], gi\|149023839\|gb\|EDL80336.1\| rCG30713, isoform CRA_a [Rattus norvegicus], gi\|149023840\|gb\|EDL80337.1\| rCG30713, isoform CRA_a [Rattus norvegicus], gi\|171846764\|gb\|AAI61954.1\| Ctps protein [Rattus norvegicus] | gi\|199560247 | 67 | 42 | 2 | 10 | 11 | 31 |
| 640 | hypothetical protein LOC684352 [Rattus norvegicus], gi\|149018687\|gb\|EDL77328.1\| protein tyrosine kinase 9-like (A6-related protein) (predicted), isoform CRA_b [Rattus norvegicus], gi\|165971615\|gb\|AAI58615.1\| Ptk9l protein [Rattus norvegicus] | gi\|207028435 | 39 | 38 | 3 | 15 | 16 | 22 |
| 641 | microtubule-associated protein 4 [Rattus norvegicus] | gi\|149018456 (+1) | 117 | 29 | 4 | 10 | 11 | 18 |
| 642 | leucine aminopeptidase 3 [Rattus norvegicus], gi\|81884348\|sp\|Q68FS4.1\|AMPL_RAT RecName: Full=Cytosol aminopeptidase; AltName: Full=Leucine aminopeptidase; AltName: Full=Leucyl aminopeptidase; AltName: Full=Leucine aminopeptidase 3; Short=LAP; AltName: Ful | gi\|58865398 | 56 | 34 | 3 | 14 | 15 | 19 |
| 643 | twinfilin, actin-binding protein, homolog 1 [Rattus norvegicus], gi\|81883342\|sp\|Q5RJR2.1\|TWF1_RAT RecName: Full=Twinfilin-1, gi\|55824728\|gb\|AAH86536.1\| Twinfilin, actin-binding protein, homolog 1 (Drosophila) [Rattus norvegicus], gi\|149017641\|gb\|EDL76645. | gi\|56606100 | 40 | 29 | 23 | 2 | 9 | 20 |
| 644 | RecName: Full=Protein disulfide-isomerase; Short=PDI; AltName: Full=Prolyl 4-hydroxylase subunit beta; AltName: Full=Cellular thyroid hormone-binding protein; Flags: Precursor, gi\|38197382\|gb\|AAH61857.1\| Prolyl 4-hydroxylase, beta polypeptide [Rattus norv | gi\|129731 (+1) | 57 | 41 | 2 | 4 | 5 | 36 |
| 645 | calreticulin [Rattus norvegicus], gi\|117505\|sp\|P18418.1\|CALR_RAT RecName: Full=Calreticulin; AltName: Full=CRP55; AltName: Full=Calregulin; AltName: Full=HACBP; AltName: Full=ERp60; AltName: Full=CALBP; AltName: Full=Calcium-binding protein 3; Short=CABP3 | gi\|11693172 | 48 | 39 | 2 | 2 | 3 | 36 |
| 646 | ubiquitin-conjugating enzyme E2-25K isoform 1 [Homo sapiens], gi\|31542956\|ref\|NP_058066.2\| ubiquitin-conjugating enzyme E2-25K [Mus musculus], gi\|118403852\|ref\|NP_001072139.1\| UBC1 [Sus scrofa], gi\|157822205\|ref\|NP_001099476.1\| ubiquitin-conjugating enzym | gi\|4885417 | 22 | 24 | 30 | 0 | 9 | 15 |
| 647 | archain [Rattus norvegicus], gi\|81884175\|sp\|Q66H80.1\|COPD_RAT RecName: Full=Coatomer subunit delta; AltName: Full=Delta-coat protein; Short=Delta-COP; Short=Archain, gi\|51858705\|gb\|AAH81979.1\| Archain 1 [Rattus norvegicus], gi\|149041491\|gb\|EDL95332.1\| arc | gi\|56090634 | 57 | 31 | 0 | 10 | 10 | 21 |
| 648 | annexin A2 [Rattus norvegicus], gi\|584760\|sp\|Q07936.2\|ANXA2_RAT RecName: Full=Annexin A2; AltName: Full=Annexin-2; AltName: Full=Annexin II; AltName: Full=Lipocortin II; AltName: Full=Calpactin I heavy chain; AltName: Full=Chromobindin-8; AltName: Full=p3 | gi\|9845234 | 39 | 54 | 0 | 0 | 0 | 54 |
| 649 | rCG35464, isoform CRA_b [Rattus norvegicus] | gi\|149054189 (+1) | 47 | 49 | 3 | 0 | 1 | 48 |
| 650 | regulation of nuclear pre-mRNA domain containing 1B [Rattus norvegicus], gi\|23813892\|sp\|Q9CSU0.2\|RPR1B_MOUSE RecName: Full=Regulation of nuclear pre-mRNA domain-containing protein 1B; AltName: Full=Cell cycle-related and expression-elevated protein in tum | gi\|149158731 (+1) | 37 | 30 | 10 | 13 | 16 | 14 |
| 651 | bridging integrator 1 [Rattus norvegicus], gi\|14916534\|sp\|O08839.1\|BIN1_RAT RecName: Full=Myc box-dependent-interacting protein 1; AltName: Full=Bridging integrator 1; AltName: Full=Amphiphysin-like protein; Short=Amphiphysin II, gi\|2145469\|emb\|CAA73807.1 | gi\|16758846 | 65 | 42 | 5 | 7 | 9 | 33 |
| 652 | nuclear protein localization 4 [Rattus norvegicus], gi\|48429023\|sp\|Q9ES54.3\|NPL4_RAT RecName: Full=Nuclear protein localization protein 4 homolog; Short=Protein NPL4, gi\|11037252\|gb\|AAG27534.1\|AF234600_1 NPL4 [Rattus norvegicus], gi\|74353675\|gb\|AAI01888.1 | gi\|18034779 | 68 | 39 | 2 | 9 | 10 | 29 |
| 653 | prostaglandin-E synthase 3 [Mus musculus], gi\|195976800\|ref\|NP_001124461.1\| prostaglandin-E synthase 3 [Rattus norvegicus], gi\|149255313\|ref\|XP_001480119.1\| PREDICTED: similar to Sid3177p [Mus musculus], gi\|149255697\|ref\|XP_001478909.1\| PREDICTED: similar | gi\|9790017 | 19 | 34 | 15 | 0 | 5 | 29 |
| 654 | delta-aminolevulinic acid dehydratase [Rattus norvegicus], gi\|122836\|sp\|P06214.1\|HEM2_RAT RecName: Full=Delta-aminolevulinic acid dehydratase; Short=ALADH; AltName: Full=Porphobilinogen synthase, gi\|55626\|emb\|CAA28621.1\| unnamed protein product [Rattus no | gi\|6978483 | 36 | 36 | 20 | 0 | 6 | 30 |
| 655 | alpha-2-macroglobulin, isoform CRA_a [Rattus norvegicus] | gi\|149049553 (+1) | 163 | 11 | 42 | 0 | 13 | 0 |
| 656 | drebrin-like [Rattus norvegicus], gi\|7248377\|dbj\|BAA92708.1\| SH3P7r2 [Rattus norvegicus], gi\|149047637\|gb\|EDM00307.1\| drebrin-like, isoform CRA_b [Rattus norvegicus] | gi\|13786198 (+3) | 48 | 27 | 24 | 3 | 11 | 16 |
| 657 | RecName: Full=Bleomycin hydrolase; Short=BLM hydrolase; Short=BMH; Short=BH, gi\|1526452\|dbj\|BAA13333.1\| bleomycin hydrolase [Rattus sp.] | gi\|2499877 | 52 | 45 | 6 | 1 | 3 | 42 |
| 658 | PREDICTED: similar to Kinesin-like protein KIF2 [Rattus norvegicus], gi\|109465911\|ref\|XP_001065173.1\| PREDICTED: similar to Kinesin-like protein KIF2 isoform 2 [Rattus norvegicus], gi\|149059280\|gb\|EDM10287.1\| rCG44775, isoform CRA_a [Rattus norvegicus] | gi\|109464350 | 84 | 38 | 1 | 10 | 10 | 28 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 659 | GTP binding protein 1 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149065914 | 72 | 30 | 8 | 11 | 14 | 16 |
| 660 | biliverdin reductase B (flavin reductase (NADPH)) [Rattus norvegicus], gi\|149056526\|gb\|EDM07957.1\| biliverdin reductase B (flavin reductase (NADPH)) (predicted), isoform CRA_b [Rattus norvegicus], gi\|197246855\|gb\|AAI68943.1\| Biliverdin reductase B (flavin | gi\|157819619 | 22 | 29 | 19 | 6 | 12 | 17 |
| 661 | rCG51764, isoform CRA_d [Rattus norvegicus] | gi\|149030542 | 284 | 32 | 0 | 3 | 3 | 29 |
| 662 | hook homolog 3 [Rattus norvegicus], gi\|149057834\|gb\|EDM09077.1\| hook homolog 3 (Drosophila) [Rattus norvegicus] | gi\|209869999 | 83 | 40 | 4 | 11 | 12 | 28 |
| 663 | Sjogren's syndrome/scleroderma autoantigen 1 homolog [Rattus norvegicus], gi\|109463401\|ref\|XP_001074570.1\| PREDICTED: similar to C184L-22 [Rattus norvegicus], gi\|149062103\|gb\|EDM12526.1\| mammary tumor virus receptor 2, isoform CRA_a [Rattus norvegicus], g | gi\|157817574 | 21 | 30 | 8 | 12 | 15 | 15 |
| 664 | microtubule-associated protein 1 A, isoform CRA_c [Rattus norvegicus] | gi\|149023090 | 300 | 27 | 0 | 17 | 17 | 10 |
| 665 | histone cluster 3, H2ba [Mus musculus], gi\|162138978\|ref\|NP_001104597.1\| histone cluster 3, H2ba [Rattus norvegicus], gi\|109490813\|ref\|XP_001076753.1\| PREDICTED: similar to histone 3, H2ba [Rattus norvegicus], gi\|81881288\|sp\|Q9D2U9.3\|H2B3A_MOUSE RecName: | gi\|13386452 | 14 | 43 | 10 | 0 | 3 | 40 |
| 666 | ribosomal protein S10 [Mus musculus], gi\|13592069\|ref\|NP_112371.1\| ribosomal protein S10 [Rattus norvegicus], gi\|54039307\|sp\|P63326.1\|RS10_RAT RecName: Full=40S ribosomal protein S10, gi\|54039315\|sp\|P63325.1\|RS10_MOUSE RecName: Full=40S ribosomal protein | gi\|13399310 (+1) | 19 | 49 | 4 | 0 | 1 | 48 |
| 667 | adaptor-related protein complex 2, alpha 1 subunit [Rattus norvegicus], gi\|149056010\|gb\|EDM07441.1\| adaptor protein complex AP-2, alpha 1 subunit (predicted) [Rattus norvegicus] | gi\|157823677 | 108 | 43 | 1 | 8 | 8 | 35 |
| 668 | GNAS complex locus GNASL [Rattus norvegicus], gi\|117959930\|ref\|NP_963910.1\| GNAS complex locus GNASL [Mus musculus], gi\|52000956\|sp\|P63095.1\|GNAS2_RAT RecName: Full=Guanine nucleotide-binding protein G(s) subunit alpha isoforms short; AltName: Full=Adenyl | gi\|9506737 | 46 | 40 | 0 | 4 | 4 | 36 |
| 669 | karyopherin (importin) beta 1 [Rattus norvegicus] | gi\|149054034 | 81 | 43 | 3 | 3 | 4 | 39 |
| 670 | WD repeat domain 47 [Rattus norvegicus], gi\|149025707\|gb\|EDL81950.1\| rCG28460 [Rattus norvegicus] | gi\|215276960 | 102 | 24 | 7 | 12 | 14 | 10 |
| 671 | ubiquitin specific protease 14 [Rattus norvegicus], gi\|55250780\|gb\|AAH85947.1\| Ubiquitin specific peptidase 14 [Rattus norvegicus], gi\|149031713\|gb\|EDL86663.1\| ubiquitin specific protease 14 [Rattus norvegicus] | gi\|56605688 | 56 | 45 | 1 | 6 | 6 | 39 |
| 672 | RecName: Full=Glutathione S-transferase omega-1; AltName: Full=GSTO 1-1; AltName: Full=Glutathione-dependent dehydroascorbate reductase, gi\|208969725\|gb\|ACI32122.1\| glutathione S-transferase omega 1 [Rattus norvegicus] | gi\|12585231 (+1) | 28 | 25 | 23 | 0 | 7 | 18 |
| 673 | glycoprotein, synaptic 2 [Rattus norvegicus], gi\|20177913\|sp\|Q64232.1\|GPSN2_RAT RecName: Full=Synaptic glycoprotein SC2; AltName: Full=Trans-2,3-enoyl-CoA reductase; Short=TER, gi\|2144098\|pir\|\|I56573 synaptic glycoprotein SC2 [imported] - rat, gi\|256994\|g | gi\|19924091 (+1) | 36 | 13 | 0 | 4 | 4 | 9 |
| 674 | ADP-ribosylation factor 4 [Mus musculus], gi\|13162343\|ref\|NP_077065.1\| ADP-ribosylation factor 4 [Rattus norvegicus], gi\|48428789\|sp\|P61751.2\|ARF4_RAT RecName: Full=ADP-ribosylation factor 4, gi\|48428790\|sp\|P61750.2\|ARF4_MOUSE RecName: Full=ADP-ribosylati | gi\|6680720 | 20 | 25 | 25 | 0 | 8 | 17 |
| 675 | vacuolar protein sorting 29 [Rattus norvegicus], gi\|224493432\|sp\|B2RZ78.2\|VPS29_RAT RecName: Full=Vacuolar protein sorting-associated protein 29; AltName: Full=Vesicle protein sorting 29, gi\|149063370\|gb\|EDM13693.1\| vacuolar protein sorting 29 (S. pombe) | gi\|157786944 | 20 | 46 | 4 | 0 | 1 | 45 |
| 676 | PREDICTED: similar to DNA-directed RNA polymerase II largest subunit (RPB1) [Rattus norvegicus], gi\|109491096\|ref\|XP_001079162.1\| PREDICTED: similar to DNA-directed RNA polymerase II largest subunit (RPB1) [Rattus norvegicus] | gi\|109488292 | 217 | 40 | 0 | 16 | 16 | 24 |
| 677 | Abelson helper integration site 1 [Rattus norvegicus], gi\|73921661\|sp\|Q6DTM3.1\|AHI1_RAT RecName: Full=Jouberin; AltName: Full=Abelson helper integration site 1 protein homolog; Short=AHI-1, gi\|49615316\|gb\|AAT66919.1\| AHI1 [Rattus norvegicus] | gi\|50511316 | 120 | 35 | 4 | 12 | 13 | 22 |
| 678 | ubiquitin-activating enzyme 3 [Rattus norvegicus], gi\|50401223\|sp\|Q99MI7.1\|UBA3_RAT RecName: Full=NEDD8-activating enzyme E1 catalytic subunit; AltName: Full=Ubiquitin-like modifier-activating enzyme 3; Short=Ubiquitin-activating enzyme 3; AltName: Full=N | gi\|17105358 | 52 | 35 | 11 | 7 | 10 | 25 |
| 679 | ubiquitin-like modifier activating enzyme 6 [Rattus norvegicus], gi\|149035136\|gb\|EDL89840.1\| similar to RIKEN cDNA 5730469D23 (predicted) [Rattus norvegicus] | gi\|157821599 | 118 | 15 | 14 | 5 | 9 | 6 |
| 680 | RecName: Full=Purine nucleoside phosphorylase; Short=PNP; AltName: Full=Inosine phosphorylase, gi\|149033633\|gb\|EDL88431.1\| nucleoside phosphorylase (mapped), isoform CRA_c [Rattus norvegicus] | gi\|205829287 | 32 | 30 | 20 | 4 | 10 | 20 |
| 681 | cyclin-dependent kinase 5 [Rattus norvegicus], gi\|416783\|sp\|Q03114.1\|CDK5_RAT RecName: Full=Cell division protein kinase 5; AltName: Full=Cyclin-dependent kinase 5; AltName: Full=Tau protein kinase II catalytic subunit; Short=TPKII catalytic subunit; AltN | gi\|18266682 | 33 | 29 | 11 | 7 | 10 | 19 |
| 682 | PREDICTED: similar to plexin A1 [Rattus norvegicus] | gi\|109473842 (+1) | 211 | 33 | 0 | 5 | 5 | 28 |
| 683 | RuvB-like protein 2 [Mus musculus], gi\|149757860\|ref\|XP_001490235.1\| PREDICTED: similar to DNA helicase isoform 1 [Equus caballus], gi\|30316329\|sp\|Q9WTM5.3\|RUVB2_MOUSE RecName: Full=RuvB-like 2; AltName: Full=p47 protein, gi\|4521249\|dbj\|BAA76297.1\| DNA he | gi\|6755382 (+1) | 51 | 35 | 9 | 5 | 8 | 27 |
| 684 | immunity-related GTPase family, Q (predicted) [Rattus norvegicus] | gi\|149056658 | 34 | 29 | 26 | 0 | 8 | 21 |
| 685 | keratin 2 [Rattus norvegicus], gi\|81891699\|sp\|Q6IG02.1\|K22E_RAT RecName: Full=Keratin, type II cytoskeletal 2 epidermal; AltName: Full=Cytokeratin-2e; Short=CK 2e; Short=K2e; Short=keratin-2; AltName: Full=Type II keratin Kb2, gi\|46485118\|tpg\|DAA02228.1\| | gi\|57114290 | 69 | 24 | 24 | 0 | 8 | 16 |
| 686 | PREDICTED: similar to protein phosphatase methylesterase 1 [Rattus norvegicus], gi\|109462506\|ref\|XP_001066863.1\| PREDICTED: similar to protein phosphatase methylesterase 1 [Rattus norvegicus], gi\|149068800\|gb\|EDM18352.1\| protein phosphatase methylesterase | gi\|62641013 | 42 | 29 | 11 | 5 | 8 | 21 |
| 687 | triple functional domain (PTPRF interacting) [Rattus norvegicus], gi\|149026481\|gb\|EDL82631.1\| triple functional domain (PTPRF interacting) [Rattus norvegicus] | gi\|157821177 | 176 | 33 | 9 | 6 | 9 | 24 |
| 688 | leucine rich repeat containing 47 (predicted) [Rattus norvegicus] | gi\|149024755 | 61 | 33 | 0 | 12 | 12 | 21 |
| 689 | mitogen-activated protein kinase kinase 6 [Rattus norvegicus], gi\|14039930\|gb\|AAK53428.1\|AF369384_1 mitogen-activated protein kinase kinase 6 [Rattus norvegicus], gi\|56270321\|gb\|AAH87004.1\| Mitogen-activated protein kinase kinase 6 [Rattus norvegicus], gi | gi\|16758520 | 37 | 16 | 17 | 5 | 10 | 6 |
| 690 | malignant T cell amplified sequence 1 [Rattus norvegicus], gi\|123781859\|sp\|Q4G009.1\|MCTS1_RAT RecName: Full=Malignant T cell amplified sequence 1; Short=MCT-1, gi\|71051757\|gb\|AAH98848.1\| Malignant T cell amplified sequence 1 [Rattus norvegicus], gi\|742105 | gi\|112984244 (+1) | 21 | 38 | 10 | 0 | 3 | 35 |
| 691 | ubiquitin specific protease 47 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149068273 (+1) | 91 | 19 | 26 | 10 | 18 | 1 |
| 692 | S-phase kinase-associated protein 1 [Rattus norvegicus], gi\|158854016\|ref\|NP_035673.3\| S-phase kinase-associated protein 1A [Mus musculus], gi\|213512347\|ref\|NP_001134437.1\| S-phase kinase-associated protein 1 [Salmo salar], gi\|54036436\|sp\|Q6PEC4.3\|SKP1_RA | gi\|56090475 | 19 | 28 | 19 | 0 | 6 | 22 |
| 693 | proteasome (prosome, macropain) subunit, beta type 4 [Rattus norvegicus] | gi\|149030731 | 29 | 37 | 13 | 0 | 4 | 33 |
| 694 | growth associated protein 43 [Rattus norvegicus], gi\|128102\|sp\|P07936.1\|NEUM_RAT RecName: Full=Neuromodulin; AltName: Full=Axonal membrane protein GAP-43; AltName: Full=Growth-associated protein 43; AltName: Full=Protein F1, gi\|56128\|emb\|CAA29644.1\| unnam | gi\|8393415 | 24 | 42 | 0 | 1 | 1 | 41 |
| 695 | rCG61105 [Rattus norvegicus] | gi\|149043586 | 35 | 27 | 14 | 1 | 5 | 22 |
| 696 | COP9 constitutive photomorphogenic homolog subunit 2 isoform 1 [Homo sapiens], gi\|23463271\|ref\|NP_695209.1\| COP9 constitutive photomorphogenic homolog subunit 2 [Rattus norvegicus], gi\|70909327\|ref\|NP_034069.2\| COP9 (constitutive photomorphogenic) homolog | gi\|4759264 | 52 | 41 | 0 | 3 | 3 | 38 |
| 697 | zinc responsive protein ZD10B [Rattus norvegicus], gi\|51260031\|gb\|AAH79094.1\| DEAD (Asp-Glu-Ala-Asp) box polypeptide 19a [Rattus norvegicus] | gi\|77628154 | 54 | 26 | 9 | 9 | 12 | 14 |
| 698 | minichromosome maintenance complex component 5 [Rattus norvegicus], gi\|149032486\|gb\|EDL87377.1\| minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae) (predicted) [Rattus norvegicus] | gi\|157823053 | 40 | 36 | 3 | 9 | 10 | 26 |
| 699 | eukaryotic translation initiation factor 3, subunit J [Rattus norvegicus], gi\|109468723\|ref\|XP_001080279.1\| PREDICTED: similar to Eukaryotic translation initiation factor 3 subunit 1 (eIF-3 alpha) [Rattus norvegicus], gi\|187471123\|sp\|A0JPM9.1\|EIF3J_RAT Re | gi\|117940021 | 29 | 44 | 5 | 0 | 2 | 42 |
| 700 | RecName: Full=Tryptophanyl-tRNA synthetase, cytoplasmic; AltName: Full=Tryptophan--tRNA ligase; Short=TrpRS | gi\|125991198 (+1) | 54 | 22 | 28 | 0 | 9 | 13 |
| 701 | pannexin 1 [Rattus norvegicus], gi\|45476996\|sp\|P60570.1\|PANX1_RAT RecName: Full=Pannexin-1, gi\|39930152\|emb\|CAD89522.1\| Pannexin 1 [Rattus norvegicus], gi\|149020650\|gb\|EDL78455.1\| Pannexin 1 [Rattus norvegicus] | gi\|40786483 | 48 | 30 | 0 | 15 | 15 | 15 |
| 702 | mitogen-activated protein kinase kinase kinase kinase 4 [Rattus norvegicus], gi\|149046291\|gb\|EDL99184.1\| mitogen-activated protein kinase kinase kinase kinase 4 (predicted) [Rattus norvegicus] | gi\|157819181 | 135 | 16 | 11 | 7 | 10 | 6 |
| 703 | tropomodulin 2 [Rattus norvegicus], gi\|23396879\|sp\|P70566.1\|TMOD2_RAT RecName: Full=Tropomodulin-2; AltName: Full=Neuronal tropomodulin; Short=N-Tmod, gi\|1628559\|gb\|AAC52854.1\| N-tropomodulin, gi\|149019141\|gb\|EDL77782.1\| tropomodulin 2, isoform CRA_a [Rat | gi\|13928838 | 39 | 29 | 17 | 3 | 8 | 21 |
| 704 | NEDD8 activating enzyme E1 subunit 1 [Rattus norvegicus] | gi\|119850964 (+1) | 60 | 29 | 7 | 8 | 10 | 19 |
| 705 | fermitin family homolog 2 [Rattus norvegicus], gi\|53733599\|gb\|AAH83876.1\| Fermitin family homolog 2 (Drosophila) [Rattus norvegicus], gi\|149033509\|gb\|EDL88307.1\| rCG61183, isoform CRA_b [Rattus norvegicus] | gi\|58865400 | 78 | 34 | 7 | 8 | 10 | 24 |
| 706 | DnaJ (Hsp40) homolog, subfamily A, member 1 [Mus musculus], gi\|12621094\|ref\|NP_075223.1\| DnaJ-like protein 2 [Rattus norvegicus], gi\|51702257\|sp\|P63036.1\|DNJA1_RAT RecName: Full=DnaJ homolog subfamily A member 1; AltName: Full=DnaJ-like protein 1, gi\|5170 | gi\|6680297 | 45 | 40 | 0 | 9 | 9 | 31 |
| 707 | cysteine-rich protein 2 [Rattus norvegicus], gi\|544102\|sp\|P36201.1\|CRIP2_RAT RecName: Full=Cysteine-rich protein 2; Short=CRP2; AltName: Full=Protein ESP1, gi\|487284\|dbj\|BAA04464.1\| cysteine-rich protein 2 [Rattus norvegicus], gi\|38511602\|gb\|AAH61774.1\| C | gi\|11968068 | 23 | 30 | 12 | 7 | 11 | 19 |
| 708 | PREDICTED: similar to importin 11 isoform 2 [Rattus norvegicus] | gi\|109465901 (+1) | 113 | 40 | 4 | 5 | 6 | 34 |
| 709 | proteasome (prosome, macropain) subunit, beta type 2 [Rattus norvegicus], gi\|730377\|sp\|P40307.1\|PSB2_RAT RecName: Full=Proteasome subunit beta type-2; AltName: Full=Proteasome component C7-I; AltName: Full=Macropain subunit C7-I; AltName: Full=Multicataly | gi\|8394079 | 23 | 39 | 4 | 0 | 1 | 38 |
| 710 | enolase-phosphatase 1 [Rattus norvegicus], gi\|81883193\|sp\|Q5PPH0.1\|ENOPH_RAT RecName: Full=Enolase-phosphatase E1; AltName: Full=2,3-diketo-5-methylthio-1-phosphopentane phosphatase; AltName: Full=MASA homolog, gi\|56388604\|gb\|AAH87697.1\| Enolase-phosphata | gi\|57164119 | 29 | 25 | 18 | 0 | 6 | 19 |
| 711 | glyceraldehyde 3-phosphate dehydrogenase [Rattus norvegicus] | gi\|1675349 | 9 | 22 | 4 | 0 | 1 | 21 |
| 712 | keratin 83 [Rattus norvegicus], gi\|155676725\|dbj\|BAF75713.1\| LOC681126 [Rattus norvegicus] | gi\|156119593 | 55 | 41 | 4 | 0 | 1 | 40 |
| 713 | stathmin-like 2 [Rattus norvegicus], gi\|46397776\|sp\|P21818.2\|STMN2_RAT RecName: Full=Stathmin-2; AltName: Full=Superior cervical ganglion-10 protein; Short=Protein SCG10, gi\|11228978\|gb\|AAG33230.1\|AF306458_1 SCG10 [Rattus norvegicus], gi\|56585174\|gb\|AAH87 | gi\|16758184 | 21 | 31 | 10 | 2 | 5 | 26 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 714 | solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2, isoform CRA_b [Rattus norvegicus] | gi\|149062279 (+1) | 62 | 30 | 0 | 10 | 10 | 20 |
| 715 | uridine monophosphate synthase [Rattus norvegicus], gi\|67678064\|gb\|AAH98033.1\| Uridine monophosphate synthetase [Rattus norvegicus], gi\|149060637\|gb\|EDM11351.1\| uridine monophosphate synthetase, isoform CRA_a [Rattus norvegicus] | gi\|70794780 | 52 | 24 | 15 | 11 | 16 | 8 |
| 716 | adaptor-related protein complex 1, mu 1 subunit [Rattus norvegicus], gi\|212274717\|ref\|NP_001130911.1\| hypothetical protein LOC100192015 [Zea mays], gi\|109940231\|sp\|Q32Q06.3\|AP1M1_RAT RecName: Full=AP-1 complex subunit mu-1; AltName: Full=Adaptor-related p | gi\|112984344 | 49 | 37 | 0 | 4 | 4 | 33 |
| 717 | statin-related protein | gi\|206440 (+1) | 50 | 26 | 5 | 8 | 10 | 16 |
| 718 | coatomer protein complex, subunit zeta 1 [Homo sapiens], gi\|9789913\|ref\|NP_062791.1\| coatomer protein complex, subunit zeta 1 [Mus musculus], gi\|157824117\|ref\|NP_001101587.1\| coatomer protein complex, subunit zeta 1 [Rattus norvegicus], gi\|197097816\|ref\|N | gi\|7706337 | 20 | 26 | 17 | 0 | 5 | 21 |
| 719 | ubiquitin carboxyl-terminal esterase L3 [Rattus norvegicus], gi\|109471423\|ref\|XP_001054346.1\| PREDICTED: similar to Ubiquitin carboxyl-terminal hydrolase isozyme L3 (UCH-L3) (Ubiquitin thioesterase L3) [Rattus norvegicus], gi\|68566104\|sp\|Q91Y78.1\|UCHL3_RA | gi\|158749588 | 26 | 24 | 15 | 5 | 10 | 14 |
| 720 | eukaryotic translation initiation factor 2B, subunit 5 epsilon [Rattus norvegicus], gi\|92090594\|sp\|Q64350.2\|EI2BE_RAT RecName: Full=Translation initiation factor eIF-2B subunit epsilon; AltName: Full=eIF-2B GDP-GTP exchange factor subunit epsilon, gi\|5571 | gi\|55741628 | 80 | 42 | 0 | 1 | 1 | 41 |
| 721 | PREDICTED: similar to basic transcription factor 3-like 4 [Rattus norvegicus] | gi\|109475294 (+2) | 31 | 25 | 21 | 0 | 7 | 18 |
| 722 | rCG40811, isoform CRA_b [Rattus norvegicus] | gi\|149028369 (+1) | 23 | 47 | 0 | 2 | 2 | 45 |
| 723 | EF hand domain containing 2, isoform CRA_a [Rattus norvegicus] | gi\|149024529 (+1) | 20 | 13 | 31 | 0 | 10 | 3 |
| 724 | expressed in non-metastatic cells 1, protein (NM23A) (nucleoside diphosphate kinase) [Rattus norvegicus], gi\|462690\|sp\|Q05982.1\|NDKA_RAT RecName: Full=Nucleoside diphosphate kinase A; Short=NDP kinase A; Short=NDK A; AltName: Full=Tumor metastatic process | gi\|19924089 | 17 | 37 | 11 | 0 | 3 | 34 |
| 725 | Inositol (myo)-1(or 4)-monophosphatase 1 [Rattus norvegicus], gi\|44888968\|sp\|P97697.2\|IMPA1_RAT RecName: Full=Inositol monophosphatase; AltName: Full=Inositol-1(or 4)-monophosphatase; Short=IMPase; Short=IMP; AltName: Full=Lithium-sensitive myo-inositol m | gi\|14091736 | 31 | 24 | 21 | 0 | 7 | 17 |
| 726 | phosphatidylinositol transfer protein [Rattus norvegicus], gi\|130771\|sp\|P16446.2\|PIPNA_RAT RecName: Full=Phosphatidylinositol transfer protein alpha isoform; Short=PtdIns transfer protein alpha; Short=PtdInsTP; Short=PI-TP-alpha, gi\|49259199\|pdb\|1T27\|A Ch | gi\|8393962 | 32 | 17 | 24 | 0 | 8 | 9 |
| 727 | keratin 4 [Rattus norvegicus], gi\|81891698\|sp\|Q6IG00.1\|K2C4_RAT RecName: Full=Keratin, type II cytoskeletal 4; AltName: Full=Cytokeratin-4; Short=CK-4; Short=Keratin-4; Short=K4; AltName: Full=Type II keratin Kb4, gi\|46485122\|tpg\|DAA02230.1\| TPA_exp: type | gi\|57012360 | 58 | 26 | 24 | 0 | 8 | 18 |
| 728 | developmentally regulated GTP binding protein 2 [Mus musculus], gi\|8928105\|sp\|Q9QXB9.1\|DRG2_MOUSE RecName: Full=Developmentally-regulated GTP-binding protein 2; Short=DRG-2, gi\|6688758\|emb\|CAB65258.1\| GTP-binding protein [Mus musculus], gi\|52221213\|gb\|AAH | gi\|10946678 | 41 | 27 | 9 | 13 | 16 | 11 |
| 729 | plakoglobin | gi\|1497985 (+1) | 82 | 19 | 13 | 5 | 9 | 10 |
| 730 | coatomer protein complex, subunit epsilon (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149036008 (+1) | 38 | 29 | 5 | 12 | 14 | 15 |
| 731 | rCG25340, isoform CRA_b [Rattus norvegicus], gi\|149018948\|gb\|EDL77589.1\| rCG25340, isoform CRA_b [Rattus norvegicus] | gi\|149018945 (+1) | 52 | 29 | 0 | 3 | 3 | 26 |
| 732 | aconitase 2, mitochondrial [Rattus norvegicus], gi\|60391194\|sp\|Q9ER34.2\|ACON_RAT RecName: Full=Aconitate hydratase, mitochondrial; Short=Aconitase; AltName: Full=Citrate hydro-lyase; Flags: Precursor, gi\|38541404\|gb\|AAH61999.1\| Aconitase 2, mitochondrial | gi\|40538860 | 85 | 46 | 0 | 0 | 0 | 46 |
| 733 | RAB GTPase activating protein 1 [Rattus norvegicus], gi\|149047907\|gb\|EDM00523.1\| G protein-coupled receptor 21 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157822571 | 121 | 23 | 18 | 6 | 12 | 11 |
| 734 | C-terminal binding protein 1 [Rattus norvegicus], gi\|14194487\|sp\|Q9Z2F5.3\|CTBP1_RAT RecName: Full=C-terminal-binding protein 1; Short=CtBP1; AltName: Full=C-terminal-binding protein 3; Short=CtBP3; AltName: Full=50 kDa BFA-dependent ADP-ribosylation subst | gi\|15011859 (+3) | 47 | 32 | 6 | 6 | 8 | 24 |
| 735 | galactokinase 1 [Rattus norvegicus], gi\|55715922\|gb\|AAH85919.1\| Galactokinase 1 [Rattus norvegicus], gi\|149054819\|gb\|EDM06636.1\| galactokinase 1, isoform CRA_c [Rattus norvegicus] | gi\|56605662 | 42 | 22 | 11 | 1 | 4 | 18 |
| 736 | PREDICTED: similar to 116 kDa U5 small nuclear ribonucleoprotein component (U5 snRNP-specific protein, 116 kDa) (U5-116 kDa) (Elongation factor Tu GTP-binding domain protein 2) (hSNU114) [Rattus norvegicus], gi\|109491989\|ref\|XP_001081526.1\| PREDICTED: sim | gi\|62657153 | 109 | 33 | 1 | 10 | 10 | 23 |
| 737 | cannabinoid receptor interacting protein 1 [Rattus norvegicus], gi\|68564975\|sp\|Q5M7A7.1\|CNRP1_RAT RecName: Full=CB1 cannabinoid receptor-interacting protein 1; Short=CRIP-1, gi\|56788996\|gb\|AAH88754.1\| Cannabinoid receptor interacting protein 1 [Rattus nor | gi\|62079191 | 19 | 26 | 12 | 0 | 4 | 22 |
| 738 | pyrroline-5-carboxylate reductase-like [Rattus norvegicus], gi\|81883225\|sp\|Q5PQJ6.1\|P5CR3_RAT RecName: Full=Pyrroline-5-carboxylate reductase 3; Short=P5C reductase 3; Short=P5CR 3; AltName: Full=Pyrroline-5-carboxylate reductase-like protein, gi\|56268940 | gi\|58865554 | 29 | 13 | 16 | 9 | 14 | 0 |
| 739 | protein phosphatase 2, regulatory subunit B', epsilon isoform [Rattus norvegicus], gi\|149051461\|gb\|EDM03634.1\| protein phosphatase 2, regulatory subunit B (B56), epsilon isoform (predicted) [Rattus norvegicus] | gi\|157818441 | 50 | 41 | 2 | 0 | 1 | 40 |
| 740 | protease (prosome, macropain) 28 subunit, alpha [Rattus norvegicus], gi\|38014837\|gb\|AAH60574.1\| Proteasome (prosome, macropain) activator subunit 1 [Rattus norvegicus], gi\|149063971\|gb\|EDM14241.1\| rCG23530 [Rattus norvegicus] | gi\|61098214 | 29 | 25 | 16 | 0 | 5 | 20 |
| 741 | PREDICTED: similar to High mobility group protein 1 (HMG-1) (High mobility group protein B1) (Amphoterin) (Heparin-binding protein p30) [Rattus norvegicus] | gi\|109459982 (+3) | 25 | 6 | 37 | 0 | 12 | 0 |
| 742 | ribosomal protein S15 [Homo sapiens], gi\|6677799\|ref\|NP_033117.1\| ribosomal protein S15 [Mus musculus], gi\|8394212\|ref\|NP_058847.1\| ribosomal protein S15 [Rattus norvegicus], gi\|45382615\|ref\|NP_990793.1\| ribosomal protein S15 [Gallus gallus], gi\|47523728\| | gi\|4506687 | 17 | 43 | 0 | 0 | 0 | 43 |
| 743 | aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase) [Rattus norvegicus], gi\|226500346\|ref\|NP_001142309.1\| hypothetical protein LOC100274478 [Zea mays], gi\|6815049\|dbj\|BAA90396.1\| androgen-inducible aldehyde reductase [Rattus norvegicus] | gi\|19705537 (+1) | 38 | 18 | 17 | 3 | 8 | 10 |
| 744 | protein phosphatase 1, regulatory (inhibitor) subunit 7 [Rattus norvegicus], gi\|81909701\|sp\|Q5HZV9.1\|PP1R7_RAT RecName: Full=Protein phosphatase 1 regulatory subunit 7; AltName: Full=Protein phosphatase 1 regulatory subunit 22, gi\|57032943\|gb\|AAH88868.1\| | gi\|57634526 | 41 | 36 | 4 | 6 | 7 | 29 |
| 745 | coronin, actin binding protein 1A, isoform CRA_c [Rattus norvegicus] | gi\|149067861 (+1) | 40 | 24 | 12 | 3 | 7 | 17 |
| 746 | sirtuin 5 [Rattus norvegicus], gi\|81884377\|sp\|Q68FX9.1\|SIRT5_RAT RecName: Full=NAD-dependent deacetylase sirtuin-5, gi\|51259345\|gb\|AAH78958.1\| Sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae) [Rattus norvegicus], gi\|14904511 | gi\|51948488 | 34 | 31 | 6 | 8 | 10 | 21 |
| 747 | MOB1, Mps One Binder kinase activator-like 3 [Rattus norvegicus], gi\|40254521\|ref\|NP_079559.2\| preimplantation protein 3 [Mus musculus], gi\|41349449\|ref\|NP_056202.2\| Mps One Binder kinase activator-like 3 isoform 1 [Homo sapiens], gi\|74024909\|ref\|NP_00102 | gi\|19424180 | 26 | 31 | 5 | 8 | 10 | 21 |
| 748 | syntaxin 1B2 [Rattus norvegicus], gi\|13259378\|ref\|NP_077725.1\| syntaxin 1B [Mus musculus], gi\|16418379\|ref\|NP_443106.1\| syntaxin 1B [Homo sapiens], gi\|114662156\|ref\|XP_001145497.1\| PREDICTED: similar to syntaxin B [Pan troglodytes], gi\|47117086\|sp\|P61266. | gi\|6981600 | 33 | 33 | 2 | 4 | 5 | 28 |
| 749 | Ste-20 related kinase [Rattus norvegicus], gi\|12643480\|sp\|O88506.2\|STK39_RAT RecName: Full=STE20/SPS1-related proline-alanine-rich protein kinase; Short=Ste-20-related kinase; AltName: Full=Serine/threonine-protein kinase 39; AltName: Full=Pancreatic seri | gi\|9507133 | 60 | 28 | 5 | 13 | 15 | 13 |
| 750 | adenylate kinase 1, isoform CRA_c [Rattus norvegicus] | gi\|149039004 (+1) | 23 | 25 | 21 | 0 | 7 | 18 |
| 751 | atlastin GTPase 1 [Rattus norvegicus], gi\|46370380\|gb\|AAS89975.1\| atlastin-like protein [Rattus norvegicus], gi\|62203112\|gb\|AAH92645.1\| Spastic paraplegia 3A homolog (human) [Rattus norvegicus] | gi\|57770372 | 63 | 32 | 0 | 6 | 6 | 26 |
| 752 | inosine triphosphatase [Rattus norvegicus], gi\|149023313\|gb\|EDL80207.1\| inosine triphosphatase (nucleoside triphosphate pyrophosphatase) (mapped), isoform CRA_a [Rattus norvegicus] | gi\|157821079 | 22 | 17 | 28 | 0 | 9 | 8 |
| 753 | RecName: Full=Protein disulfide-isomerase A4; AltName: Full=Protein ERp-72; Short=ERp72; AltName: Full=Calcium-binding protein 2; Short=CaBP2; Flags: Precursor, gi\|38181882\|gb\|AAH61535.1\| Protein disulfide isomerase family A, member 4 [Rattus norvegicus] | gi\|78099786 | 73 | 41 | 2 | 0 | 1 | 40 |
| 754 | MARCKS-like 1 [Rattus norvegicus], gi\|76363234\|sp\|Q9EPH2.3\|MRP_RAT RecName: Full=MARCKS-related protein; AltName: Full=MARCKS-like protein 1; AltName: Full=Macrophage myristoylated alanine-rich C kinase substrate; Short=Mac-MARCKS; Short=MacMARCKS; AltNam | gi\|13540687 | 20 | 38 | 5 | 0 | 2 | 36 |
| 755 | insulin-like growth factor 2 receptor, isoform CRA_b [Rattus norvegicus] | gi\|149027462 (+1) | 274 | 40 | 0 | 0 | 0 | 40 |
| 756 | ATPase, H+ transporting, lysosomal V1 subunit D [Rattus norvegicus], gi\|38648872\|gb\|AAH63177.1\| ATPase, H+ transporting, lysosomal V1 subunit D [Rattus norvegicus], gi\|149051530\|gb\|EDM03703.1\| ATPase, H+ transporting, V1 subunit D, isoform CRA_c [Rattus n | gi\|40786463 | 28 | 29 | 10 | 3 | 6 | 23 |
| 757 | prune [Rattus norvegicus], gi\|81884591\|sp\|Q6AYG3.1\|PRUNE_RAT RecName: Full=Protein prune homolog, gi\|50925647\|gb\|AAH79054.1\| Prune homolog (Drosophila) [Rattus norvegicus] | gi\|56090437 | 50 | 29 | 14 | 2 | 6 | 23 |
| 758 | rCG40648, isoform CRA_a [Rattus norvegicus] | gi\|149067609 (+1) | 112 | 19 | 10 | 8 | 11 | 8 |
| 759 | phosphoribosylpyrophosphate synthetase-associated protein [Rattus norvegicus], gi\|149054853\|gb\|EDM06670.1\| phosphoribosyl pyrophosphate synthetase-associated protein 1, isoform CRA_a [Rattus norvegicus] | gi\|186700616 (+1) | 43 | 31 | 0 | 10 | 10 | 21 |
| 760 | adhesion regulating molecule 1 [Rattus norvegicus], gi\|7339666\|dbj\|BAA92929.1\| cell membrane glycoprotein 110000Mr (surface antigen) homolog [Rattus norvegicus] | gi\|13928990 (+1) | 42 | 27 | 2 | 5 | 6 | 21 |
| 761 | SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1` (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149037041 | 83 | 17 | 19 | 3 | 9 | 8 |
| 762 | hypoxanthine phosphoribosyltransferase 1 [Rattus norvegicus], gi\|123501\|sp\|P27605.1\|HPRT_RAT RecName: Full=Hypoxanthine-guanine phosphoribosyltransferase; Short=HGPRTase; Short=HGPRT, gi\|2117729\|pir\|\|I51842 hypoxanthine phosphoribosyltransferase - rat, gi | gi\|51092266 | 24 | 21 | 17 | 0 | 5 | 16 |
| 763 | TROVE domain family, member 2 [Rattus norvegicus], gi\|149058447\|gb\|EDM09604.1\| TROVE domain family, member 2 (predicted) [Rattus norvegicus] | gi\|157821127 | 60 | 33 | 11 | 2 | 5 | 28 |
| 764 | PREDICTED: similar to G protein-regulated inducer of neurite outgrowth 1 [Rattus norvegicus] | gi\|109504667 (+1) | 94 | 26 | 1 | 11 | 11 | 15 |
| 765 | PREDICTED: similar to CG2747-PB, isoform B [Rattus norvegicus] | gi\|109477832 | 224 | 26 | 4 | 7 | 8 | 18 |
| 766 | rCG53455 [Rattus norvegicus] | gi\|149044546 | 119 | 28 | 0 | 7 | 7 | 21 |
| 767 | calbindin 2 [Rattus norvegicus], gi\|1345670\|sp\|P47728.1\|CALB2_RAT RecName: Full=Calretinin; Short=CR, gi\|55853\|emb\|CAA47385.1\| calretinin [Rattus norvegicus], gi\|56541188\|gb\|AAH87603.1\| Calbindin 2 [Rattus norvegicus], gi\|149038172\|gb\|EDL92532.1\| calbindi | gi\|16758892 | 31 | 21 | 26 | 0 | 8 | 13 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 768 | crystallin, mu [Rattus norvegicus], gi\|48474729\|sp\|Q9QYU4.1\|CRYM_RAT RecName: Full=Mu-crystallin homolog; AltName: Full=CDK108, gi\|5931745\|emb\|CAB56625.1\| mu crystallin [Rattus norvegicus], gi\|56789444\|gb\|AAH88121.1\| Crystallin, mu [Rattus norvegicus], gi | gi\|16758840 | 34 | 13 | 27 | 0 | 9 | 4 |
| 769 | hexokinase 1 [Rattus norvegicus], gi\|6226638\|sp\|P05708.4\|HXK1_RAT RecName: Full=Hexokinase-1; AltName: Full=Hexokinase type I; Short=HK I; AltName: Full=Brain form hexokinase, gi\|157838283\|pdb\|1BG3\|A Chain A, Rat Brain Hexokinase Type I Complex With Gluco | gi\|6981022 | 102 | 38 | 7 | 0 | 2 | 36 |
| 770 | prefoldin 5 [Rattus norvegicus], gi\|149031935\|gb\|EDL86847.1\| prefoldin 5 (predicted), isoform CRA_a [Rattus norvegicus], gi\|197246197\|gb\|AAI69128.1\| Prefoldin subunit 5 [Rattus norvegicus] | gi\|164565396 | 17 | 30 | 14 | 0 | 4 | 26 |
| 771 | Pgm1 protein [Rattus norvegicus] | gi\|118764083 (+2) | 63 | 18 | 24 | 0 | 8 | 10 |
| 772 | PREDICTED: similar to spermine synthase [Rattus norvegicus], gi\|109471106\|ref\|XP_001062228.1\| PREDICTED: similar to spermine synthase [Rattus norvegicus], gi\|149030940\|gb\|EDL85967.1\| rCG63119 [Rattus norvegicus] | gi\|109469027 (+1) | 41 | 25 | 13 | 5 | 9 | 16 |
| 773 | PREDICTED: similar to SLIT-ROBO Rho GTPase-activating protein 1 [Rattus norvegicus], gi\|109482032\|ref\|XP_001053311.1\| PREDICTED: similar to SLIT-ROBO Rho GTPase-activating protein 1 [Rattus norvegicus] | gi\|109480632 | 124 | 33 | 3 | 7 | 8 | 25 |
| 774 | CaBP1 [Rattus norvegicus] | gi\|488838 (+2) | 47 | 41 | 2 | 1 | 2 | 39 |
| 775 | voltage dependent anion channel [Rattus norvegicus] | gi\|4558734 | 30 | 37 | 0 | 3 | 3 | 34 |
| 776 | plexin B2 [Rattus norvegicus], gi\|149017545\|gb\|EDL76549.1\| plexin B2 [Rattus norvegicus] | gi\|157821883 | 206 | 29 | 0 | 3 | 3 | 26 |
| 777 | hypothetical protein LOC683630 [Rattus norvegicus], gi\|81883481\|sp\|Q5U2R0.1\|MAT2B_RAT RecName: Full=Methionine adenosyltransferase 2 subunit beta; AltName: Full=Methionine adenosyltransferase II beta; Short=MAT II beta; AltName: Full=Methionine adenosyltr | gi\|112983992 (+1) | 37 | 29 | 2 | 4 | 5 | 24 |
| 778 | similar to chromosome 11 open reading frame2 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149062135 | 86 | 35 | 2 | 6 | 7 | 28 |
| 779 | actin related protein 2/3 complex, subunit 3 [Rattus norvegicus], gi\|149063364\|gb\|EDM13687.1\| actin related protein 2/3 complex, subunit 3 (predicted), isoform CRA_b [Rattus norvegicus], gi\|183986078\|gb\|AAI66554.1\| Actin related protein 2/3 complex, subun | gi\|157786926 | 21 | 23 | 17 | 0 | 5 | 18 |
| 780 | transgelin 3 [Rattus norvegicus], gi\|78214439\|ref\|NP_113864.2\| transgelin 3 [Rattus norvegicus], gi\|124056477\|sp\|P37805.2\|TAGL3_RAT RecName: Full=Transgelin-3; AltName: Full=Neuronal protein NP25; AltName: Full=Neuronal protein 22; Short=NP22, gi\|18252579 | gi\|78214333 | 23 | 29 | 15 | 0 | 5 | 24 |
| 781 | similar to hypothetical protein FLJ20331, isoform CRA_b [Rattus norvegicus] | gi\|149026333 | 68 | 30 | 7 | 4 | 6 | 24 |
| 782 | glutamyl-prolyl-tRNA synthetase [Rattus norvegicus], gi\|37654316\|gb\|AAQ96263.1\| LRRGT00050 [Rattus norvegicus] | gi\|66793366 | 167 | 29 | 6 | 9 | 11 | 18 |
| 783 | glucose-6-phosphate dehydrogenase [Rattus norvegicus], gi\|120733\|sp\|P05370.3\|G6PD_RAT RecName: Full=Glucose-6-phosphate 1-dehydrogenase; Short=G6PD, gi\|56196\|emb\|CAA30355.1\| unnamed protein product [Rattus norvegicus], gi\|51980296\|gb\|AAH81820.1\| Glucose-6 | gi\|8393381 | 59 | 24 | 11 | 0 | 3 | 21 |
| 784 | CHMP family, member 7 [Rattus norvegicus], gi\|149049867\|gb\|EDM02191.1\| CHMP family, member 7 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157820115 | 51 | 30 | 8 | 4 | 7 | 23 |
| 785 | v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog [Rattus norvegicus], gi\|8885998\|gb\|AAF80335.1\|AF157016_1 neuronal C-SRC tyrosine-specific protein kinase [Rattus norvegicus], gi\|149043101\|gb\|EDL96675.1\| Rous sarcoma oncogene, isoform CRA_a [Rattu | gi\|14010835 (+1) | 61 | 35 | 0 | 7 | 7 | 28 |
| 786 | secretory carrier membrane protein 1 [Rattus norvegicus] | gi\|149059066 (+1) | 34 | 39 | 1 | 4 | 4 | 35 |
| 787 | calcium channel, voltage-dependent, alpha 2/delta subunit 2 [Rattus norvegicus] | gi\|149018615 (+1) | 131 | 28 | 0 | 10 | 10 | 18 |
| 788 | APEX nuclease 1 [Rattus norvegicus], gi\|1168468\|sp\|P43138.2\|APEX1_RAT RecName: Full=DNA-(apurinic or apyrimidinic site) lyase; AltName: Full=Apurinic-apyrimidinic endonuclease 1; Short=AP endonuclease 1; AltName: Full=APEX nuclease; Short=APEN, gi\|1187823 | gi\|13162337 | 36 | 6 | 31 | 3 | 13 | 0 |
| 789 | similar to receptor expression enhancing protein 2 [Rattus norvegicus], gi\|111493967\|gb\|AAI05631.1\| Similar to receptor expression enhancing protein 2 [Rattus norvegicus] | gi\|114158668 (+1) | 28 | 37 | 0 | 8 | 8 | 29 |
| 790 | transaldolase [Rattus norvegicus] | gi\|12002054 (+1) | 37 | 10 | 32 | 0 | 10 | 0 |
| 791 | proline synthetase co-transcribed homolog [Rattus norvegicus], gi\|149057846\|gb\|EDM09089.1\| proline synthetase co-transcribed (predicted) [Rattus norvegicus] | gi\|157823503 | 30 | 25 | 13 | 4 | 8 | 17 |
| 792 | serine racemase [Rattus norvegicus], gi\|81894104\|sp\|Q76EQ0.1\|SRR_RAT RecName: Full=Serine racemase, gi\|34419178\|dbj\|BAC84968.1\| serine racemase [Rattus norvegicus], gi\|51858725\|gb\|AAH82014.1\| Serine racemase [Rattus norvegicus], gi\|149053378\|gb\|EDM05195.1 | gi\|38454254 | 36 | 18 | 14 | 6 | 10 | 8 |
| 793 | Ras suppressor protein 1 [Mus musculus], gi\|157821061\|ref\|NP_001102874.1\| Ras suppressor protein 1 [Rattus norvegicus], gi\|109506192\|ref\|XP_001072534.1\| PREDICTED: similar to Ras suppressor protein 1 [Rattus norvegicus], gi\|12848246\|dbj\|BAB27884.1\| unname | gi\|31982028 | 31 | 21 | 8 | 4 | 7 | 14 |
| 794 | Coenzyme A synthase [Rattus norvegicus], gi\|54035300\|gb\|AAH83781.1\| Coenzyme A synthase [Rattus norvegicus] | gi\|55741469 | 62 | 15 | 7 | 4 | 6 | 9 |
| 795 | RecName: Full=Neogenin; Flags: Precursor, gi\|1785999\|gb\|AAB41100.1\| neogenin [Rattus norvegicus] | gi\|10720132 (+1) | 151 | 29 | 4 | 0 | 1 | 28 |
| 796 | tripartite motif protein 3, isoform CRA_a [Rattus norvegicus], gi\|149068479\|gb\|EDM18031.1\| tripartite motif protein 3, isoform CRA_a [Rattus norvegicus], gi\|149068480\|gb\|EDM18032.1\| tripartite motif protein 3, isoform CRA_a [Rattus norvegicus], gi\|1490684 | gi\|149068478 | 81 | 23 | 4 | 10 | 11 | 12 |
| 797 | cell division cycle 42 isoform 2 [Homo sapiens], gi\|56118450\|ref\|NP_001008027.1\| cell division cycle 42 (GTP binding protein, 25kDa) [Xenopus (Silurana) tropicalis], gi\|108998912\|ref\|XP_001100002.1\| PREDICTED: similar to Cell division control protein 42 h | gi\|16357472 | 21 | 27 | 11 | 2 | 5 | 22 |
| 798 | PREDICTED: similar to proteasome (prosome, macropain) activator subunit 4 [Rattus norvegicus], gi\|109501140\|ref\|XP_001066053.1\| PREDICTED: similar to proteasome (prosome, macropain) activator subunit 4 [Rattus norvegicus] | gi\|109500155 (+1) | 229 | 31 | 2 | 2 | 3 | 28 |
| 799 | Eph receptor B2 (predicted) [Rattus norvegicus] | gi\|149024325 | 103 | 31 | 0 | 12 | 12 | 19 |
| 800 | growth factor receptor-bound protein 2 isoform 1 [Homo sapiens], gi\|77539774\|ref\|NP_110473.2\| growth factor receptor bound protein 2 [Rattus norvegicus], gi\|77736207\|ref\|NP_001029802.1\| growth factor receptor-bound protein 2 [Bos taurus], gi\|197097744\|ref | gi\|4504111 | 25 | 11 | 21 | 0 | 7 | 4 |
| 801 | v-crk sarcoma virus CT10 oncogene homolog [Rattus norvegicus], gi\|2842661\|sp\|Q63768.1\|CRK_RAT RecName: Full=Proto-oncogene C-crk; AltName: Full=p38; AltName: Full=Adapter molecule crk, gi\|119389392\|pdb\|2EYZ\|A Chain A, Ct10-Regulated Kinase Isoform Ii, gi\| | gi\|9506515 | 34 | 15 | 25 | 0 | 8 | 7 |
| 802 | ADP-ribosylation-like factor 6 interacting protein 5 [Rattus norvegicus], gi\|57012987\|sp\|Q9ES40.1\|PRAF3_RAT RecName: Full=PRA1 family protein 3; AltName: Full=ADP-ribosylation factor-like protein 6-interacting protein 5; Short=ARL-6-interacting protein 5; | gi\|13027426 | 22 | 39 | 1 | 0 | 0 | 39 |
| 803 | vesicle-associated membrane protein 2, isoform CRA_b [Rattus norvegicus] | gi\|149053024 (+6) | 15 | 44 | 0 | 0 | 0 | 44 |
| 804 | protein tyrosine phosphatase | gi\|458333 (+1) | 68 | 29 | 5 | 1 | 3 | 26 |
| 805 | eukaryotic translation initiation factor 6 [Rattus norvegicus], gi\|76780089\|gb\|AAI05765.1\| Eukaryotic translation initiation factor 6 [Rattus norvegicus], gi\|149030867\|gb\|EDL85894.1\| rCG37307, isoform CRA_b [Rattus norvegicus] | gi\|82654198 | 27 | 17 | 16 | 2 | 7 | 10 |
| 806 | chromatin modifying protein 5 [Mus musculus], gi\|70912368\|ref\|NP_001020581.1\| chromatin modifying protein 5 [Rattus norvegicus], gi\|51702143\|sp\|Q9D7S9.1\|CHMP5_MOUSE RecName: Full=Charged multivesicular body protein 5; AltName: Full=Chromatin-modifying pro | gi\|13386442 | 25 | 22 | 10 | 4 | 7 | 15 |
| 807 | oxidative-stress responsive 1 [Rattus norvegicus], gi\|149018277\|gb\|EDL76918.1\| oxidative-stress responsive 1 (predicted) [Rattus norvegicus] | gi\|157824158 | 58 | 29 | 5 | 5 | 7 | 22 |
| 808 | v-crk sarcoma virus CT10 oncogene homolog (avian)-like [Rattus norvegicus], gi\|81889657\|sp\|Q5U2U2.1\|CRKL_RAT RecName: Full=Crk-like protein, gi\|55249763\|gb\|AAH85865.1\| V-crk sarcoma virus CT10 oncogene homolog (avian)-like [Rattus norvegicus], gi\|14901974 | gi\|56605658 | 34 | 28 | 13 | 0 | 4 | 24 |
| 809 | septin 2 [Rattus norvegicus], gi\|81902430\|sp\|Q91Y81.1\|SEPT2_RAT RecName: Full=Septin-2; AltName: Full=Vascular endothelial cell specific protein 11, gi\|13928415\|dbj\|BAB47151.1\| vascular endothelial cell specific protein 11 [Rattus norvegicus], gi\|51858574 | gi\|16924010 | 42 | 33 | 0 | 5 | 5 | 28 |
| 810 | PREDICTED: similar to coiled-coil domain containing 6 [Rattus norvegicus] | gi\|109509406 | 53 | 35 | 2 | 2 | 3 | 32 |
| 811 | suppression of tumorigenicity 13 [Rattus norvegicus], gi\|226501346\|ref\|NP_001141128.1\| hypothetical protein LOC100273214 [Zea mays], gi\|1708200\|sp\|P50503.1\|F10A1_RAT RecName: Full=Hsc70-interacting protein; Short=Hip; AltName: Full=Protein ST13 homolog; A | gi\|13592093 | 41 | 22 | 13 | 0 | 4 | 18 |
| 812 | cullin 4B [Rattus norvegicus], gi\|149060051\|gb\|EDM10867.1\| cullin 4B (predicted) [Rattus norvegicus] | gi\|157819149 | 111 | 29 | 2 | 9 | 10 | 19 |
| 813 | ubiquilin 1 [Rattus norvegicus], gi\|47939201\|gb\|AAH72477.1\| Ubiquilin 1 [Rattus norvegicus], gi\|149039802\|gb\|EDL93918.1\| ubiquilin 1, isoform CRA_a [Rattus norvegicus] | gi\|48675852 | 62 | 34 | 7 | 0 | 2 | 32 |
| 814 | WD-repeat protein [Mus musculus], gi\|84000227\|ref\|NP_001033214.1\| WD repeat domain 68 [Bos taurus], gi\|108936958\|ref\|NP_005819.3\| WD-repeat protein [Homo sapiens], gi\|118405186\|ref\|NP_001072972.1\| WD repeat domain 68 [Gallus gallus], gi\|157817648\|ref\|NP_0 | gi\|58037257 | 39 | 27 | 0 | 12 | 12 | 15 |
| 815 | nuclear cap binding protein subunit 1, 80kDa [Rattus norvegicus], gi\|81882418\|sp\|Q56A27.1\|NCBP1_RAT RecName: Full=Nuclear cap-binding protein subunit 1, gi\|62089490\|gb\|AAH92199.1\| Nuclear cap binding protein subunit 1, 80kDa [Rattus norvegicus], gi\|149045 | gi\|62339326 | 92 | 42 | 1 | 0 | 0 | 42 |
| 816 | eukaryotic translation initiation factor 4 gamma, 2 [Rattus norvegicus] | gi\|153267461 | 102 | 31 | 0 | 8 | 8 | 23 |
| 817 | protein phosphatase 4, catalytic subunit [Homo sapiens], gi\|9790175\|ref\|NP_062648.1\| protein phosphatase 4, catalytic subunit [Mus musculus], gi\|154707914\|ref\|NP_001092578.1\| protein phosphatase 4, catalytic subunit [Bos taurus], gi\|197101625\|ref\|NP_00112 | gi\|4506027 (+1) | 35 | 23 | 6 | 6 | 8 | 15 |
| 818 | PREDICTED: similar to Nucleolar phosphoprotein p130 (Nucleolar 130 kDa protein) (140 kDa nucleolar phosphoprotein) (Nopp140) (Nucleolar and coiled-body phosphoprotein 1) [Rattus norvegicus], gi\|109500535\|ref\|XP_001076105.1\| PREDICTED: similar to Nucleolar | gi\|109499599 | 151 | 8 | 21 | 2 | 9 | 0 |
| 819 | signal recognition particle 68 [Rattus norvegicus], gi\|149054841\|gb\|EDM06658.1\| signal recognition particle 68 (predicted) [Rattus norvegicus], gi\|187469045\|gb\|AAI66787.1\| Signal recognition particle 68 [Rattus norvegicus] | gi\|157819325 | 70 | 25 | 2 | 7 | 8 | 17 |
| 820 | RecName: Full=Estradiol 17-beta-dehydrogenase 12; AltName: Full=17-beta-hydroxysteroid dehydrogenase 12; Short=17-beta-HSD 12; AltName: Full=3-ketoacyl-CoA reductase; Short=KAR, gi\|38494210\|gb\|AAH61543.1\| Hsd17b12 protein [Rattus norvegicus], gi\|149022712 | gi\|81892292 | 35 | 31 | 0 | 6 | 6 | 25 |
| 821 | tyrosine hydroxylase [Rattus norvegicus], gi\|136577\|sp\|P04177.3\|TY3H_RAT RecName: Full=Tyrosine 3-monooxygenase; AltName: Full=Tyrosine 3-hydroxylase; Short=TH, gi\|207409\|gb\|AAA42257.1\| tyrosine hydroxylase (EC 1.14.16.2), gi\|349098\|gb\|AAA42258.1\| tyrosin | gi\|6981652 | 56 | 25 | 2 | 12 | 13 | 12 |
| 822 | rCG56483, isoform CRA_a [Rattus norvegicus] | gi\|149036421 (+4) | 47 | 30 | 1 | 7 | 7 | 23 |
| 823 | rCG57672 [Rattus norvegicus] | gi\|149040185 | 77 | 32 | 0 | 7 | 7 | 25 |
| 824 | PDGF associated protein, gi\|1589641\|prf\|\|2211382A platelet-derived growth factor-associated protein | gi\|1136586 (+1) | 21 | 29 | 10 | 0 | 3 | 26 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 825 | RAB6B, member RAS oncogene family [Rattus norvegicus], gi\|194221614\|ref\|XP_001496020.2\| PREDICTED: similar to RAB6B, member RAS oncogene family [Equus caballus], gi\|149018752\|gb\|EDL77393.1\| RAB6B, member RAS oncogene family (predicted) [Rattus norvegicus] | gi\|157817539 | 20 | 32 | 6 | 0 | 2 | 30 |
| 826 | cell division cycle 37 homolog [Rattus norvegicus], gi\|1197180\|dbj\|BAA05618.1\| unnamed protein product [Rattus norvegicus] | gi\|16758570 (+1) | 44 | 31 | 9 | 0 | 3 | 28 |
| 827 | protein phosphatase 1, regulatory (inhibitor) subunit 14B [Rattus norvegicus], gi\|62122946\|ref\|NP_032915.2\| protein phosphatase 1, regulatory (inhibitor) subunit 14B [Mus musculus], gi\|55583766\|sp\|Q8K3F3.1\|PP14B_RAT RecName: Full=Protein phosphatase 1 reg | gi\|25282423 | 16 | 30 | 10 | 0 | 3 | 27 |
| 828 | RecName: Full=Neurexin-1-alpha; AltName: Full=Neurexin I-alpha; Flags: Precursor | gi\|124106288 (+1) | 168 | 28 | 2 | 0 | 1 | 27 |
| 829 | WW domain binding protein 2, isoform CRA_b [Rattus norvegicus] | gi\|149054826 | 28 | 12 | 22 | 0 | 7 | 5 |
| 830 | RecName: Full=Glycogen synthase kinase-3 beta; Short=GSK-3 beta; AltName: Full=Factor A; Short=FA, gi\|56334\|emb\|CAA37519.1\| unnamed protein product [Rattus norvegicus] | gi\|125374 (+1) | 47 | 31 | 1 | 7 | 7 | 24 |
| 831 | PREDICTED: similar to Signal recognition particle 72 kDa protein (SRP72) isoform 1 [Rattus norvegicus] | gi\|109500449 | 66 | 17 | 1 | 9 | 9 | 8 |
| 832 | dipeptidylpeptidase 6 [Rattus norvegicus], gi\|1169415\|sp\|P46101.1\|DPP6_RAT RecName: Full=Dipeptidyl aminopeptidase-like protein 6; AltName: Full=Dipeptidylpeptidase VI; AltName: Full=Dipeptidylpeptidase 6; AltName: Full=Dipeptidyl peptidase IV-like protei | gi\|12408298 (+1) | 97 | 33 | 0 | 4 | 4 | 29 |
| 833 | hypothetical protein LOC689074 [Rattus norvegicus], gi\|149015556\|gb\|EDL74937.1\| rCG58914 [Rattus norvegicus] | gi\|221325616 | 137 | 17 | 9 | 7 | 10 | 7 |
| 834 | PREDICTED: similar to E3 ubiquitin-protein ligase NEDD4-like protein (Nedd4-2) (NEDD4.2) [Rattus norvegicus] | gi\|109506712 (+1) | 109 | 16 | 8 | 6 | 9 | 7 |
| 835 | rCG51062, isoform CRA_b [Rattus norvegicus] | gi\|149038022 (+1) | 32 | 19 | 0 | 6 | 6 | 13 |
| 836 | plexin A2 [Rattus norvegicus], gi\|149041088\|gb\|EDL95045.1\| plexin A2 (predicted) [Rattus norvegicus] | gi\|157787093 | 126 | 39 | 0 | 2 | 2 | 37 |
| 837 | chloride channel, nucleotide-sensitive, 1A [Rattus norvegicus], gi\|431451\|gb\|AAC37642.1\| regulatory protein, gi\|38014703\|gb\|AAH60555.1\| Clns1a protein [Rattus norvegicus], gi\|149068915\|gb\|EDM18467.1\| chloride channel, nucleotide-sensitive, 1A [Rattus norv | gi\|13929008 | 27 | 33 | 8 | 0 | 3 | 30 |
| 838 | ADP-ribosylarginine hydrolase [Rattus norvegicus] | gi\|202759 (+1) | 40 | 19 | 13 | 5 | 9 | 10 |
| 839 | RecName: Full=Plasma membrane calcium-transporting ATPase 1; Short=PMCA1; AltName: Full=Plasma membrane calcium ATPase isoform 1; AltName: Full=Plasma membrane calcium pump isoform 1 | gi\|14286099 (+3) | 139 | 29 | 0 | 8 | 8 | 21 |
| 840 | ATPase, Ca++ transporting, slow twitch 2 isoform b [Rattus norvegicus], gi\|57303\|emb\|CAA33645.1\| sarcoplasmic reticulum 2+-Ca-ATPase [Rattus norvegicus], gi\|203059\|gb\|AAA40786.1\| non-muscle ATPase | gi\|158635975 (+1) | 110 | 27 | 0 | 9 | 9 | 18 |
| 841 | PREDICTED: similar to Ras-GTPase-activating protein binding protein 1 (ATP-dependent DNA helicase VIII) (GAP SH3-domain binding protein 1) (G3BP-1) (HDH-VIII) [Rattus norvegicus] | gi\|109488113 | 59 | 28 | 2 | 10 | 11 | 17 |
| 842 | PREDICTED: similar to golgi-specific brefeldin A-resistance factor 1 [Rattus norvegicus], gi\|109464034\|ref\|XP_001066196.1\| PREDICTED: similar to golgi-specific brefeldin A-resistance factor 1 [Rattus norvegicus] | gi\|109460176 (+1) | 207 | 25 | 4 | 6 | 7 | 18 |
| 843 | phosphofurin acidic cluster sorting protein 1 [Rattus norvegicus], gi\|52000740\|sp\|O88588.1\|PACS1_RAT RecName: Full=Phosphofurin acidic cluster sorting protein 1; Short=PACS-1, gi\|3347953\|gb\|AAC31815.1\| cytosolic sorting protein PACS-1a [Rattus norvegicus] | gi\|19705535 | 105 | 30 | 0 | 2 | 2 | 28 |
| 844 | rCG36369, isoform CRA_a [Rattus norvegicus] | gi\|149042203 (+2) | 24 | 24 | 10 | 0 | 3 | 21 |
| 845 | casein kinase 1, alpha 1, isoform CRA_e [Mus musculus], gi\|149064403\|gb\|EDM14606.1\| casein kinase 1, alpha 1, isoform CRA_b [Rattus norvegicus] | gi\|148677820 (+5) | 39 | 25 | 2 | 9 | 10 | 15 |
| 846 | synaptophysin [Rattus norvegicus], gi\|135163\|sp\|P07825.1\|SYPH_RAT RecName: Full=Synaptophysin; AltName: Full=Major synaptic vesicle protein p38, gi\|57322\|emb\|CAA29543.1\| unnamed protein product [Rattus norvegicus], gi\|57326\|emb\|CAA29685.1\| unnamed protein | gi\|6981622 | 33 | 25 | 2 | 11 | 12 | 13 |
| 847 | glutamine fructose-6-phosphate transaminase 1, isoform CRA_a [Rattus norvegicus], gi\|149036650\|gb\|EDL91268.1\| glutamine fructose-6-phosphate transaminase 1, isoform CRA_a [Rattus norvegicus] | gi\|149036649 (+1) | 79 | 25 | 2 | 11 | 12 | 13 |
| 848 | filamin, beta [Rattus norvegicus], gi\|149040087\|gb\|EDL94171.1\| filamin, beta (predicted) [Rattus norvegicus] | gi\|157818975 | 275 | 6 | 29 | 2 | 11 | 0 |
| 849 | ubiquitin specific peptidase 11 [Rattus norvegicus], gi\|60422774\|gb\|AAH90333.1\| Ubiquitin specific peptidase 11 [Rattus norvegicus], gi\|149044387\|gb\|EDL97708.1\| ubiquitin specific protease 11 [Rattus norvegicus] | gi\|76443681 | 105 | 22 | 5 | 3 | 5 | 17 |
| 850 | echinoderm microtubule associated protein like 4 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149050563 (+1) | 94 | 23 | 0 | 4 | 4 | 19 |
| 851 | family with sequence similarity 49, member A [Rattus norvegicus], gi\|149050934\|gb\|EDM03107.1\| similar to hypothetical protein DKFZp566A1524 (predicted) [Rattus norvegicus], gi\|165971268\|gb\|AAI58701.1\| Family with sequence similarity 49, member A [Rattus n | gi\|157821991 | 37 | 8 | 30 | 0 | 9 | 0 |
| 852 | acylpeptide hydrolase, isoform CRA_a [Rattus norvegicus] | gi\|149018550 (+2) | 81 | 18 | 16 | 0 | 5 | 13 |
| 853 | RAB21, member RAS oncogene family [Rattus norvegicus], gi\|81884468\|sp\|Q6AXT5.1\|RAB21_RAT RecName: Full=Ras-related protein Rab-21, gi\|50927400\|gb\|AAH79323.1\| RAB21, member RAS oncogene family [Rattus norvegicus], gi\|149066960\|gb\|EDM16693.1\| RAB21, member | gi\|51948448 | 24 | 31 | 6 | 2 | 4 | 27 |
| 854 | ribosomal protein S5, isoform CRA_b [Rattus norvegicus], gi\|149016578\|gb\|EDL75779.1\| ribosomal protein S5, isoform CRA_b [Rattus norvegicus], gi\|149016579\|gb\|EDL75780.1\| ribosomal protein S5, isoform CRA_b [Rattus norvegicus], gi\|165970894\|gb\|AAI58719.1\| | gi\|149016577 | 23 | 31 | 2 | 6 | 7 | 24 |
| 855 | PREDICTED: similar to Liprin-alpha-3 (Protein tyrosine phosphatase receptor type f polypeptide-interacting protein alpha-3) (PTPRF-interacting protein alpha-3) [Rattus norvegicus], gi\|109461924\|ref\|XP_001080725.1\| PREDICTED: similar to Liprin-alpha-3 (Pro | gi\|109458729 (+1) | 150 | 21 | 12 | 4 | 8 | 13 |
| 856 | PREDICTED: similar to formin-like 2 isoform B [Rattus norvegicus] | gi\|109468179 (+1) | 122 | 22 | 3 | 10 | 11 | 11 |
| 857 | insulin-degrading enzyme [Rattus norvegicus], gi\|547706\|sp\|P35559.1\|IDE_RAT RecName: Full=Insulin-degrading enzyme; AltName: Full=Insulin protease; Short=Insulinase; AltName: Full=Insulysin, gi\|56492\|emb\|CAA47689.1\| insulin-degrading enzyme [Rattus norveg | gi\|6981076 | 118 | 21 | 5 | 6 | 8 | 13 |
| 858 | eukaryotic translation initiation factor 4H [Rattus norvegicus], gi\|81910358\|sp\|Q5XI72.1\|IF4H_RAT RecName: Full=Eukaryotic translation initiation factor 4H; Short=eIF-4H; AltName: Full=Williams-Beuren syndrome chromosomal region 1 protein homolog, gi\|5403 | gi\|55741853 | 27 | 24 | 9 | 2 | 5 | 19 |
| 859 | protein tyrosine phosphatase, non-receptor type 23 [Rattus norvegicus], gi\|3598974\|gb\|AAC62959.1\| protein tyrosine phosphatase TD14 [Rattus norvegicus] | gi\|29789309 (+1) | 163 | 21 | 11 | 2 | 5 | 16 |
| 860 | rCG54570, isoform CRA_b [Rattus norvegicus] | gi\|149055917 (+1) | 21 | 6 | 31 | 0 | 10 | 0 |
| 861 | PREDICTED: similar to Programmed cell death 6-interacting protein (ALG-2-interacting protein X) (ALG-2-interacting protein 1) (E2F1-inducible protein) (Eig2) [Rattus norvegicus], gi\|205371813\|sp\|Q9QZA2.2\|PDC6I_RAT RecName: Full=Programmed cell death 6-int | gi\|109485522 (+1) | 97 | 17 | 14 | 0 | 4 | 13 |
| 862 | asparagine synthetase [Rattus norvegicus], gi\|91771192\|sp\|P49088.3\|ASNS_RAT RecName: Full=Asparagine synthetase [glutamine-hydrolyzing]; AltName: Full=Glutamine-dependent asparagine synthetase, gi\|51859420\|gb\|AAH81719.1\| Asns protein [Rattus norvegicus], | gi\|148747576 (+1) | 64 | 19 | 5 | 10 | 12 | 7 |
| 863 | early endosome antigen 1 [Rattus norvegicus], gi\|149067114\|gb\|EDM16847.1\| early endosome antigen 1 (predicted) [Rattus norvegicus] | gi\|157821387 | 161 | 10 | 20 | 0 | 6 | 4 |
| 864 | PREDICTED: similar to Protein FAM40A [Rattus norvegicus] | gi\|109465351 (+3) | 99 | 15 | 6 | 8 | 10 | 5 |
| 865 | PREDICTED: similar to Histidine triad nucleotide-binding protein 1 (Adenosine 5-monophosphoramidase) (Protein kinase C inhibitor 1) (Protein kinase C-interacting protein 1) (PKCI-1) [Rattus norvegicus] | gi\|109490737 (+1) | 21 | 36 | 0 | 0 | 0 | 36 |
| 866 | toll interacting protein [Rattus norvegicus], gi\|160184946\|sp\|A2RUW1.1\|TOLIP_RAT RecName: Full=Toll-interacting protein, gi\|124481578\|gb\|AAI33068.1\| Toll interacting protein [Rattus norvegicus], gi\|149061684\|gb\|EDM12107.1\| toll interacting protein (predic | gi\|157823763 | 30 | 26 | 6 | 5 | 7 | 19 |
| 867 | TBC1 domain family, member 17 [Rattus norvegicus], gi\|149056024\|gb\|EDM07455.1\| TBC1 domain family, member 17 (predicted) [Rattus norvegicus], gi\|169642259\|gb\|AAI60880.1\| TBC1 domain family, member 17 [Rattus norvegicus] | gi\|157820129 | 73 | 24 | 6 | 4 | 6 | 18 |
| 868 | phosphoribosyl pyrophosphate synthetase 2 [Rattus norvegicus], gi\|125584\|sp\|P09330.3\|PRPS2_RAT RecName: Full=Ribose-phosphate pyrophosphokinase 2; AltName: Full=Phosphoribosyl pyrophosphate synthetase II; Short=PRS-II, gi\|56979\|emb\|CAA34556.1\| unnamed pro | gi\|6981418 | 35 | 28 | 3 | 2 | 3 | 25 |
| 869 | APC-binding protein EB2 [Mus musculus], gi\|56090319\|ref\|NP_001007657.1\| microtubule-associated protein, RP/EB family, member 3 [Rattus norvegicus], gi\|60389846\|sp\|Q5XIT1.1\|MARE3_RAT RecName: Full=Microtubule-associated protein RP/EB family member 3; AltNa | gi\|39930509 | 32 | 29 | 6 | 2 | 4 | 25 |
| 870 | neurofibromin 1 [Rattus norvegicus], gi\|13959414\|sp\|P97526.1\|NF1_RAT RecName: Full=Neurofibromin; AltName: Full=Neurofibromatosis-related protein NF-1, gi\|1841314\|dbj\|BAA08141.1\| neurofibromin [Rattus norvegicus] | gi\|6981264 | 317 | 25 | 0 | 7 | 7 | 18 |
| 871 | coronin, actin-binding protein, 1B, isoform CRA_a [Rattus norvegicus] | gi\|149061951 (+1) | 54 | 23 | 8 | 6 | 9 | 14 |
| 872 | visinin-like 1 [Mus musculus], gi\|21361559\|ref\|NP_003376.2\| visinin-like 1 [Homo sapiens], gi\|27806195\|ref\|NP_776915.1\| visinin-like 1 [Bos taurus], gi\|45383948\|ref\|NP_990586.1\| visinin-like 1 [Gallus gallus], gi\|114576253\|ref\|XP_001135378.1\| PREDICTED: s | gi\|6755983 | 22 | 27 | 11 | 0 | 3 | 24 |
| 873 | similar to fibronectin type 3 and SPRY domain-containing protein, isoform CRA_a [Rattus norvegicus], gi\|169642779\|gb\|AAI60924.1\| Fsd1 protein [Rattus norvegicus] | gi\|149028240 | 56 | 25 | 3 | 8 | 9 | 16 |
| 874 | RecName: Full=Annexin A6; AltName: Full=Annexin-6; AltName: Full=Annexin VI; AltName: Full=Calcium-binding protein 65/67; Short=CBP 65/67, gi\|763181\|emb\|CAA60040.1\| annexin VI [Rattus norvegicus] | gi\|1351943 | 76 | 23 | 2 | 6 | 7 | 16 |
| 875 | basic leucine zipper and W2 domains 1 [Mus musculus], gi\|38454312\|ref\|NP_942084.1\| basic leucine zipper and W2 domains 1 [Rattus norvegicus], gi\|57110923\|ref\|XP_536025.1\| PREDICTED: similar to basic leucine zipper and W2 domains 1 isoform 2 [Canis familia | gi\|13385296 | 48 | 31 | 0 | 2 | 2 | 29 |
| 876 | thyroid hormone receptor interactor 12 [Rattus norvegicus], gi\|71681048\|gb\|AAI00625.1\| Thyroid hormone receptor interactor 12 [Rattus norvegicus] | gi\|72535136 | 218 | 14 | 16 | 5 | 10 | 4 |
| 877 | lin 7 homolog c [Mus musculus], gi\|8922944\|ref\|NP_060832.1\| lin-7 homolog C [Homo sapiens], gi\|11177888\|ref\|NP_068623.1\| lin-7 homolog C [Rattus norvegicus], gi\|115495593\|ref\|NP_001068899.1\| lin-7 homolog C [Bos taurus], gi\|197100117\|ref\|NP_001125773.1\| l | gi\|6755973 | 22 | 24 | 2 | 0 | 1 | 23 |
| 878 | WD repeat domain 61 [Rattus norvegicus], gi\|81907874\|sp\|Q4V7A0.1\|WDR61_RAT RecName: Full=WD repeat-containing protein 61, gi\|66910939\|gb\|AAH98059.1\| WD repeat domain 61 [Rattus norvegicus], gi\|149041708\|gb\|EDL95549.1\| WD repeat domain 61 [Rattus norvegicu | gi\|71043902 | 34 | 26 | 3 | 9 | 10 | 16 |
| 879 | ras homolog gene family, member B [Homo sapiens], gi\|6680726\|ref\|NP_031509.1\| ras homolog gene family, member B [Mus musculus], gi\|11968136\|ref\|NP_071987.1\| ras homolog gene family, member B [Rattus norvegicus], gi\|118150946\|ref\|NP_001071390.1\| ras homolo | gi\|4757764 | 22 | 33 | 2 | 0 | 1 | 32 |
| 880 | N-acetylglucosamine kinase [Rattus norvegicus], gi\|119364611\|sp\|P81799.4\|NAGK_RAT RecName: Full=N-acetyl-D-glucosamine kinase; Short=N- | gi\|83642834 | 37 | 14 | 17 | 6 | 11 | 3 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | acetylglucosamine kinase; AltName: Full=GlcNAc kinase, gi\|78394964\|gb\|AAI07648.1\| N-acetylglucosamine kinase [Rattus nor | | | | | | | |
| 881 | PREDICTED: similar to U2 (RNU2) small nuclear RNA auxiliary factor 2 isoform b isoform 5 [Rattus norvegicus] | gi\|109461138 (+2) | 52 | 24 | 6 | 5 | 7 | 17 |
| 882 | ADP-ribosylation factor 6 [Homo sapiens], gi\|6680724\|ref\|NP_031507.1\| ADP-ribosylation factor 6 [Mus musculus], gi\|13162345\|ref\|NP_077066.1\| ADP-ribosylation factor 6 [Rattus norvegicus], gi\|118403828\|ref\|NP_001072145.1\| ADP-ribosylation factor 6 [Sus scr | gi\|4502211 | 20 | 27 | 7 | 0 | 2 | 25 |
| 883 | reticulon 1 isoform RTN1-C [Mus musculus], gi\|1143717\|gb\|AAC53045.1\| rS-Rex-s, gi\|38098630\|tpg\|DAA01938.1\| TPA_inf: RTN1-C [Mus musculus], gi\|149051415\|gb\|EDM03588.1\| reticulon 1, isoform CRA_a [Rattus norvegicus] | gi\|56090141 | 24 | 22 | 9 | 0 | 3 | 19 |
| 884 | prohibitin [Mus musculus], gi\|13937353\|ref\|NP_114039.1\| prohibitin [Rattus norvegicus], gi\|109490241\|ref\|XP_001053031.1\| PREDICTED: prohibitin [Rattus norvegicus], gi\|54038835\|sp\|P67779.1\|PHB_RAT RecName: Full=Prohibitin, gi\|54038837\|sp\|P67778.1\|PHB_MOUSE | gi\|6679299 | 30 | 29 | 0 | 6 | 6 | 23 |
| 885 | splicing factor 3a, subunit 1 [Rattus norvegicus], gi\|149047546\|gb\|EDM00216.1\| splicing factor 3a, subunit 1 (predicted) [Rattus norvegicus] | gi\|157821905 | 89 | 22 | 0 | 8 | 8 | 14 |
| 886 | ferritin light chain | gi\|204123 (+1) | 21 | 34 | 5 | 0 | 2 | 32 |
| 887 | Bwk1 leukemia-related [Rattus norvegicus], gi\|58037443\|ref\|NP_083883.1\| RIKEN cDNA 2310003C23 [Mus musculus], gi\|28201785\|sp\|Q9D7M1.1\|CT011_MOUSE RecName: Full=Protein C20orf11 homolog; AltName: Full=Two hybrid-associated protein 1 with RanBPM; Short=Twa1 | gi\|38454224 | 27 | 33 | 2 | 3 | 4 | 29 |
| 888 | PREDICTED: similar to guanine nucleotide exchange factor p532 [Rattus norvegicus] | gi\|109484871 | 532 | 19 | 0 | 9 | 9 | 10 |
| 889 | huntingtin-associated protein 1 isoform A [Rattus norvegicus], gi\|1103853\|gb\|AAC52327.1\| rHAP1-A, gi\|1585781\|prf\|\|2201491A huntingtin-associated protein:ISOTYPE=A | gi\|13162306 (+3) | 67 | 19 | 2 | 10 | 11 | 8 |
| 890 | RecName: Full=Keratin, type II cytoskeletal 75; AltName: Full=Cytokeratin-75; Short=CK-75; AltName: Full=Keratin-75; Short=K75; AltName: Full=Type II keratin-18; AltName: Full=Type II keratin-K6hf; AltName: Full=Keratin-6 hair follicle, gi\|149031973\|gb\|ED | gi\|166218811 (+1) | 59 | 15 | 19 | 0 | 6 | 9 |
| 891 | eukaryotic translation initiation factor 2, subunit 3, structural gene X-linked [Rattus norvegicus], gi\|74007205\|ref\|XP_537983.2\| PREDICTED: similar to eukaryotic translation initiation factor 2, subunit 3, structural gene X-linked [Canis familiaris], gi\| | gi\|189217906 | 51 | 26 | 4 | 2 | 3 | 23 |
| 892 | alanyl-tRNA synthetase domain containing 1 [Rattus norvegicus], gi\|81883726\|sp\|Q5XI97.1\|AASD1_RAT RecName: Full=Alanyl-tRNA synthetase domain-containing protein 1, gi\|54035303\|gb\|AAH83790.1\| Alanyl-tRNA synthetase domain containing 1 [Rattus norvegicus], | gi\|77627733 | 45 | 22 | 10 | 2 | 5 | 17 |
| 893 | rCG51948 [Rattus norvegicus], gi\|149030604\|gb\|EDL85641.1\| rCG51723 [Rattus norvegicus] | gi\|149030603 (+2) | 15 | 27 | 7 | 1 | 3 | 24 |
| 894 | syntaxin A, gi\|220902\|dbj\|BAA02089.1\| synaptotagmin associated 35kDa protein [Rattus norvegicus], gi\|251470\|gb\|AAB22525.1\| syntaxin, P35A [rats, brain, Peptide Partial, 285 aa] | gi\|207127 (+3) | 33 | 25 | 0 | 11 | 11 | 14 |
| 895 | SNAP-25 interacting protein hrs-2 [Rattus norvegicus] | gi\|1885385 (+3) | 103 | 25 | 10 | 0 | 3 | 22 |
| 896 | neurocalcin delta [Bos taurus], gi\|31324569\|ref\|NP_598855.2\| neurocalcin delta [Mus musculus], gi\|66730547\|ref\|NP_001019542.1\| neurocalcin delta [Rattus norvegicus], gi\|98985778\|ref\|NP_114430.2\| neurocalcin delta [Homo sapiens], gi\|98985783\|ref\|NP_0010357 | gi\|27806017 | 22 | 32 | 4 | 0 | 1 | 31 |
| 897 | hypothetical protein LOC360664 [Rattus norvegicus], gi\|149054837\|gb\|EDM06654.1\| rCG35178, isoform CRA_a [Rattus norvegicus] | gi\|157819633 | 21 | 19 | 5 | 9 | 11 | 8 |
| 898 | heterogeneous nuclear ribonucleoprotein D isoform a [Rattus norvegicus], gi\|149046816\|gb\|EDL99590.1\| heterogeneous nuclear ribonucleoprotein D, isoform CRA_a [Rattus norvegicus] | gi\|127138710 (+3) | 38 | 8 | 29 | 0 | 9 | 0 |
| 899 | calcium/calmodulin-dependent protein kinase II gamma [Rattus norvegicus], gi\|26667196\|ref\|NP_751909.1\| calcium/calmodulin-dependent protein kinase II gamma isoform 2 [Homo sapiens], gi\|73953041\|ref\|XP_863859.1\| PREDICTED: similar to Calcium/calmodulin-dep | gi\|19424316 (+2) | 59 | 22 | 0 | 16 | 16 | 6 |
| 900 | PTK2 protein tyrosine kinase 2 [Rattus norvegicus], gi\|3182997\|sp\|O35346.1\|FAK1_RAT RecName: Full=Focal adhesion kinase 1; Short=FADK 1; AltName: Full=pp125FAK, gi\|2465667\|gb\|AAB72203.1\| focal adhesion kinase; pp125FAK [Rattus norvegicus] | gi\|6981440 | 120 | 22 | 7 | 4 | 6 | 16 |
| 901 | tissue specific transplantation antigen P35B [Rattus norvegicus], gi\|149066159\|gb\|EDM16032.1\| tissue specific transplantation antigen P35B (predicted), isoform CRA_a [Rattus norvegicus], gi\|149066161\|gb\|EDM16034.1\| tissue specific transplantation antigen | gi\|188536096 | 36 | 25 | 5 | 5 | 7 | 18 |
| 902 | hypothetical protein LOC28088 [Mus musculus], gi\|81880226\|sp\|Q99LF4.1\|CV028_MOUSE RecName: Full=UPF0027 protein C22orf28 homolog, gi\|81884655\|sp\|Q6AYT3.1\|CV028_RAT RecName: Full=UPF0027 protein C22orf28 homolog; AltName: Full=p55, gi\|13096991\|gb\|AAH03288. | gi\|21703842 (+1) | 55 | 18 | 4 | 4 | 5 | 13 |
| 903 | glucosamine-6-phosphate deaminase 1 [Rattus norvegicus], gi\|149017396\|gb\|EDL76447.1\| rCG49489, isoform CRA_a [Rattus norvegicus], gi\|197246475\|gb\|AAI69009.1\| Gnpda1 protein [Rattus norvegicus] | gi\|201861364 | 33 | 25 | 3 | 3 | 4 | 21 |
| 904 | rCG44572 [Rattus norvegicus] | gi\|149059097 | 58 | 16 | 10 | 9 | 12 | 4 |
| 905 | phosphoglucomutase 2-like 1 [Rattus norvegicus], gi\|109462502\|ref\|XP_001066769.1\| PREDICTED: similar to phosphoglucomutase 2-like 1 [Rattus norvegicus], gi\|149068804\|gb\|EDM18356.1\| rCG40012, isoform CRA_a [Rattus norvegicus] | gi\|157822435 | 70 | 17 | 12 | 4 | 8 | 9 |
| 906 | ubiquitin specific peptidase 15, isoform CRA_a [Rattus norvegicus] | gi\|149066659 (+2) | 112 | 23 | 4 | 2 | 3 | 20 |
| 907 | limbic system-associated membrane protein [Rattus norvegicus], gi\|2497324\|sp\|Q62813.1\|LSAMP_RAT RecName: Full=Limbic system-associated membrane protein; Short=LSAMP; Flags: Precursor, gi\|951176\|gb\|AAA86120.1\| limbic system-associated membrane protein, gi\| | gi\|25742796 (+1) | 37 | 23 | 0 | 2 | 2 | 21 |
| 908 | calpain, small subunit 1 [Rattus norvegicus], gi\|83301638\|sp\|Q64537.3\|CPNS1_RAT RecName: Full=Calpain small subunit 1; Short=CSS1; AltName: Full=Calcium-dependent protease small subunit 1; AltName: Full=Calcium-dependent protease small subunit; Short=CDPS | gi\|67514516 | 29 | 15 | 14 | 5 | 9 | 6 |
| 909 | PREDICTED: similar to Prefoldin subunit 3 (Von Hippel-Lindau-binding protein 1) (VHL-binding protein 1) (VBP-1) [Rattus norvegicus] | gi\|109462368 (+1) | 21 | 16 | 17 | 0 | 5 | 11 |
| 910 | microtubule-associated protein 1S [Rattus norvegicus], gi\|160409990\|sp\|P0C5W1.1\|MAP1S_RAT RecName: Full=Microtubule-associated protein 1S; Short=MAP-1S; Contains: RecName: Full=MAP1S heavy chain; Contains: RecName: Full=MAP1S light chain, gi\|149036090\|gb\| | gi\|157823551 | 103 | 29 | 0 | 3 | 3 | 26 |
| 911 | PREDICTED: similar to Roundabout homolog 2 precursor [Rattus norvegicus] | gi\|109492782 (+2) | 161 | 26 | 1 | 5 | 5 | 21 |
| 912 | PREDICTED: similar to thyroid adenoma associated isoform 1 [Rattus norvegicus], gi\|109478909\|ref\|XP_001060686.1\| PREDICTED: similar to thyroid adenoma associated isoform 1 [Rattus norvegicus] | gi\|109477886 | 254 | 13 | 11 | 0 | 3 | 10 |
| 913 | striatin, calmodulin binding protein 4 [Rattus norvegicus], gi\|149056872\|gb\|EDM08303.1\| striatin, calmodulin binding protein 4 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157819497 | 69 | 27 | 0 | 11 | 11 | 16 |
| 914 | hypothetical protein LOC687575 [Rattus norvegicus], gi\|17368837\|sp\|Q9D883.4\|U2AF1_MOUSE RecName: Full=Splicing factor U2AF 35 kDa subunit; AltName: Full=U2 auxiliary factor 35 kDa subunit; AltName: Full=U2 snRNP auxiliary factor small subunit, gi\|12849864 | gi\|112983840 | 28 | 16 | 2 | 10 | 11 | 5 |
| 915 | ribosomal protein S8 [Homo sapiens], gi\|6677813\|ref\|NP_033124.1\| ribosomal protein S8 [Mus musculus], gi\|13928986\|ref\|NP_113894.1\| ribosomal protein S8 [Rattus norvegicus], gi\|70778956\|ref\|NP_001020488.1\| ribosomal protein S8 [Bos taurus], gi\|55586251\|ref | gi\|4506743 | 24 | 31 | 0 | 0 | 0 | 31 |
| 916 | rCG37481, isoform CRA_b [Rattus norvegicus], gi\|149030843\|gb\|EDL85870.1\| rCG37481, isoform CRA_b [Rattus norvegicus], gi\|149030845\|gb\|EDL85872.1\| rCG37481, isoform CRA_b [Rattus norvegicus], gi\|149030846\|gb\|EDL85873.1\| rCG37481, isoform CRA_b [Rattus norv | gi\|149030842 | 59 | 15 | 2 | 10 | 11 | 4 |
| 917 | flightless I homolog [Rattus norvegicus], gi\|55715671\|gb\|AAH85829.1\| Flightless I homolog (Drosophila) [Rattus norvegicus], gi\|149052840\|gb\|EDM04657.1\| flightless I homolog (Drosophila) [Rattus norvegicus] | gi\|56605668 | 145 | 14 | 9 | 8 | 11 | 3 |
| 918 | RAB35, member RAS oncogene family [Homo sapiens], gi\|37718983\|ref\|NP_937806.1\| RAB35, member RAS oncogene family [Mus musculus], gi\|61556789\|ref\|NP_001013064.1\| RAB35, member RAS oncogene family [Rattus norvegicus], gi\|148229407\|ref\|NP_001091596.1\| RAB35, | gi\|5803135 | 23 | 32 | 0 | 2 | 2 | 30 |
| 919 | D-tyrosyl-tRNA deacylase 1 [Rattus norvegicus], gi\|149041218\|gb\|EDL95151.1\| histidyl tRNA synthetase 2 (predicted) [Rattus norvegicus] | gi\|157819955 | 20 | 28 | 8 | 0 | 3 | 25 |
| 920 | leucine-rich PPR-motif containing, isoform CRA_b [Rattus norvegicus] | gi\|149050517 (+1) | 157 | 28 | 0 | 0 | 0 | 28 |
| 921 | nicotinamide phosphoribosyltransferase [Rattus norvegicus], gi\|68565643\|sp\|Q80Z29.1\|NAMPT_RAT RecName: Full=Nicotinamide phosphoribosyltransferase; Short=NAmPRTase; Short=Nampt; AltName: Full=Pre-B-cell colony-enhancing factor 1 homolog; Short=PBEF; AltNa | gi\|29293813 | 55 | 20 | 5 | 2 | 4 | 16 |
| 922 | rCG53488 [Rattus norvegicus] | gi\|149044483 | 25 | 13 | 15 | 4 | 9 | 4 |
| 923 | translin-associated factor X [Rattus norvegicus], gi\|62901121\|sp\|Q9JHB5.1\|TSNAX_RAT RecName: Full=Translin-associated protein X; AltName: Full=Translin-associated factor X, gi\|8515734\|gb\|AAF76149.1\|AF262357_1 trax [Rattus norvegicus], gi\|51858564\|gb\|AAH81 | gi\|11560081 | 33 | 22 | 5 | 6 | 8 | 14 |
| 924 | SH3-domain GRB2-like 1 [Rattus norvegicus], gi\|10720270\|sp\|O35964.1\|SH3G1_RAT RecName: Full=Endophilin-A2; AltName: Full=Endophilin-2; AltName: Full=SH3 domain-containing GRB2-like protein 1; AltName: Full=SH3 domain protein 2B; AltName: Full=SH3p8, gi\|22 | gi\|13676847 | 41 | 33 | 2 | 0 | 1 | 32 |
| 925 | PREDICTED: similar to Kinesin-like protein KIF3A (Microtubule plus end-directed kinesin motor 3A) isoform 6 [Rattus norvegicus], gi\|109490694\|ref\|XP_001073312.1\| PREDICTED: similar to Kinesin-like protein KIF3A (Microtubule plus end-directed kinesin motor | gi\|109488050 (+7) | 80 | 26 | 0 | 6 | 6 | 20 |
| 926 | glyoxalase domain containing 4 [Rattus norvegicus], gi\|81882968\|sp\|Q5I0D1.1\|GLOD4_RAT RecName: Full=Glyoxalase domain-containing protein 4, gi\|56970492\|gb\|AAH88458.1\| Glyoxalase domain containing 4 [Rattus norvegicus], gi\|149053440\|gb\|EDM05257.1\| similar | gi\|62079189 | 33 | 11 | 22 | 0 | 7 | 4 |
| 927 | DnaJ (Hsp40) homolog, subfamily C, member 7, isoform CRA_a [Rattus norvegicus] | gi\|149054233 (+1) | 56 | 20 | 1 | 9 | 9 | 11 |
| 928 | rCG45759 [Rattus norvegicus] | gi\|149039274 | 156 | 10 | 12 | 4 | 8 | 2 |
| 929 | DnaJ (Hsp40) homolog, subfamily C, member 5 [Mus musculus], gi\|13162361\|ref\|NP_077075.1\| cysteine string protein [Rattus norvegicus], gi\|46397406\|sp\|P60905.1\|DNJC5_RAT RecName: Full=DnaJ homolog subfamily C member 5; AltName: Full=Cysteine string protein; | gi\|7949027 | 22 | 27 | 0 | 7 | 7 | 20 |
| 930 | cytochrome b5 reductase 3 [Rattus norvegicus], gi\|127847\|sp\|P20070.2\|NB5R3_RAT RecName: Full=NADH-cytochrome b5 reductase 3; Short=Cytochrome b5 reductase; Short=B5R; AltName: Full=Diaphorase-1; Contains: RecName: Full=NADH-cytochrome b5 reductase 3 membr | gi\|20302049 | 34 | 24 | 0 | 6 | 6 | 18 |
| 931 | suppressor of Ty 5 homolog (S. cerevisiae), isoform CRA_b [Rattus norvegicus] | gi\|149056473 | 104 | 10 | 16 | 0 | 5 | 5 |
| 932 | post-GPI attachment to proteins 1 [Rattus norvegicus], gi\|81911808\|sp\|Q765A7.1\|PGAP1_RAT RecName: Full=GPI inositol-deacylase; AltName: Full=Post-GPI attachment to proteins factor 1, gi\|41386667\|dbj\|BAD08353.1\| GPI deacylase [Rattus norvegicus], gi\|149046 | gi\|42538976 | 104 | 30 | 0 | 0 | 0 | 30 |
| 933 | myosin, light polypeptide 6, alkali, smooth muscle and non-muscle [Mus musculus], gi\|88999583\|ref\|NP_524147.2\| myosin, light chain 6, alkali, smooth muscle and non-muscle isoform 2 [Homo sapiens], gi\|157823377\|ref\|NP_001102954.1\| myosin, light chain 6, al | gi\|33620739 | 17 | 35 | 0 | 0 | 0 | 35 |
| 934 | eukaryotic translation initiation factor 4A2 [Rattus norvegicus], gi\|77404209\|ref\|NP_001029216.1\| eukaryotic translation initiation factor 4A2 [Bos taurus], | gi\|56605748 | 46 | 22 | 8 | 2 | 5 | 17 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | gi\|83700235\|ref\|NP_001958.2\| eukaryotic translation initiation factor 4A2 [Homo sapiens], gi\|15414 | | | | | | | |
| 935 | alpha-1,3-mannosyltransferase ALG2 [Rattus norvegicus], gi\|149020216\|gb\|EDL78205.1\| asparagine-linked glycosylation 2 homolog (yeast, alpha-1,3-mannosyltransferase), isoform CRA_a [Rattus norvegicus], gi\|149020217\|gb\|EDL78206.1\| asparagine-linked glycosyl | gi\|213511844 | 47 | 23 | 0 | 8 | 8 | 15 |
| 936 | dynactin 5 [Mus musculus], gi\|62900105\|sp\|Q9QZB9.1\|DCTN5_MOUSE RecName: Full=Dynactin subunit 5; AltName: Full=Dynactin subunit p25, gi\|6176550\|gb\|AAF05615.1\|AF190795_1 dynactin subunit p25 [Mus musculus], gi\|12845534\|dbj\|BAB26789.1\| unnamed protein produ | gi\|188219518 | 20 | 24 | 4 | 1 | 2 | 22 |
| 937 | vacuolar protein sorting 26 homolog B [Mus musculus], gi\|197333853\|ref\|NP_001100279.1\| vacuolar protein sorting 26 homolog B [Rattus norvegicus], gi\|81898294\|sp\|Q8C0E2.1\|VP26B_MOUSE RecName: Full=Vacuolar protein sorting-associated protein 26B; AltName: F | gi\|29825827 | 39 | 23 | 0 | 5 | 5 | 18 |
| 938 | influenza virus NS1A binding protein (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149058418 | 72 | 22 | 0 | 9 | 9 | 13 |
| 939 | p21 (CDKN1A)-activated kinase 3 [Rattus norvegicus], gi\|2499645\|sp\|Q62829.1\|PAK3_RAT RecName: Full=Serine/threonine-protein kinase PAK 3; AltName: Full=p21-activated kinase 3; Short=PAK-3; AltName: Full=Beta-PAK; AltName: Full=p65-PAK, gi\|1039425\|gb\|AAC52 | gi\|9506947 | 61 | 26 | 4 | 0 | 1 | 25 |
| 940 | calcium/calmodulin-dependent serine protein kinase (MAGUK family), isoform CRA_a [Rattus norvegicus] | gi\|149044335 (+2) | 105 | 22 | 2 | 1 | 2 | 20 |
| 941 | PREDICTED: similar to SAPS domain family, member 3 [Rattus norvegicus] | gi\|109463290 (+3) | 89 | 15 | 5 | 5 | 7 | 8 |
| 942 | similar to mitotic control protein dis3 homolog (predicted) [Rattus norvegicus] | gi\|149050096 | 107 | 18 | 2 | 5 | 6 | 12 |
| 943 | microtubule-associated protein 2 [Rattus norvegicus], gi\|56625\|emb\|CAA38034.1\| microtubule associated protein 2 [Rattus norvegicus] | gi\|6981182 | 199 | 8 | 17 | 0 | 5 | 3 |
| 944 | secernin 1 [Rattus norvegicus], gi\|81891345\|sp\|Q6AY84.1\|SCRN1_RAT RecName: Full=Secernin-1, gi\|50926985\|gb\|AAH79152.1\| Secernin 1 [Rattus norvegicus], gi\|149033314\|gb\|EDL88115.1\| secernin 1, isoform CRA_a [Rattus norvegicus] | gi\|68163565 | 46 | 17 | 9 | 0 | 3 | 14 |
| 945 | proteasome subunit R-DELTA [Rattus sp.] | gi\|286248 (+2) | 22 | 26 | 2 | 0 | 1 | 25 |
| 946 | eukaryotic translation initiation factor 3, subunit 12 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149056429 | 25 | 30 | 0 | 2 | 2 | 28 |
| 947 | rCG27500, isoform CRA_b [Rattus norvegicus] | gi\|149041256 (+1) | 23 | 34 | 0 | 0 | 0 | 34 |
| 948 | adaptor-related protein complex 2, sigma 1 subunit [Rattus norvegicus], gi\|70906430\|ref\|NP_004060.2\| adaptor-related protein complex 2, sigma 1 subunit isoform AP17 [Homo sapiens], gi\|115497184\|ref\|NP_001069546.1\| adaptor-related protein complex 2, sigma | gi\|56961624 | 17 | 34 | 0 | 0 | 0 | 34 |
| 949 | PREDICTED: similar to regulator of nonsense transcripts 1 [Rattus norvegicus], gi\|149036014\|gb\|EDL90680.1\| rCG38820 [Rattus norvegicus] | gi\|109504000 | 123 | 16 | 6 | 5 | 7 | 9 |
| 950 | protein phosphatase 1E (PP2C domain containing) [Rattus norvegicus], gi\|81895459\|sp\|Q80Z30.1\|PPM1E_RAT RecName: Full=Protein phosphatase 1E; AltName: Full=Ca(2+)/calmodulin-dependent protein kinase phosphatase N; Short=CaMKP-N; AltName: Full=CaMKP-nucleus | gi\|38454284 | 83 | 22 | 7 | 0 | 2 | 20 |
| 951 | UNC-119 homolog [Rattus norvegicus], gi\|2498855\|sp\|Q62885.1\|U119A_RAT RecName: Full=Protein unc-119 homolog A; AltName: Full=Retinal protein 4; Short=rRG4, gi\|1161378\|gb\|AAC52389.1\| retinal protein, gi\|38303855\|gb\|AAH62057.1\| UNC-119 homolog (C. elegans) | gi\|8394513 | 27 | 14 | 9 | 4 | 7 | 7 |
| 952 | rCG51656 [Rattus norvegicus] | gi\|149038199 (+1) | 26 | 27 | 3 | 2 | 3 | 24 |
| 953 | glyoxalase 1 [Rattus norvegicus], gi\|81885359\|sp\|Q6P7Q4.3\|LGUL_RAT RecName: Full=Lactoylglutathione lyase; AltName: Full=Methylglyoxalase; AltName: Full=Aldoketomutase; AltName: Full=Glyoxalase I; Short=Glx I; AltName: Full=Ketone-aldehyde mutase; AltName | gi\|46485429 | 21 | 21 | 6 | 0 | 2 | 19 |
| 954 | similar to MJ0495-like protein SelB (predicted), isoform CRA_a [Rattus norvegicus], gi\|197246375\|gb\|AAI68694.1\| Eefsec protein [Rattus norvegicus] | gi\|149036692 | 64 | 22 | 2 | 6 | 7 | 15 |
| 955 | intersectin 1 isoform a [Rattus norvegicus], gi\|149059858\|gb\|EDM10741.1\| intersectin 1 [Rattus norvegicus] | gi\|209870013 | 194 | 16 | 10 | 0 | 3 | 13 |
| 956 | exosome component 7 [Rattus norvegicus], gi\|149018124\|gb\|EDL76765.1\| exosome component 7 [Rattus norvegicus] | gi\|213688370 | 32 | 18 | 2 | 8 | 9 | 9 |
| 957 | STIP1 homology and U-Box containing protein 1 [Rattus norvegicus], gi\|149052151\|gb\|EDM03968.1\| STIP1 homology and U-Box containing protein 1, isoform CRA_b [Rattus norvegicus] | gi\|158081745 | 35 | 12 | 7 | 2 | 4 | 8 |
| 958 | PREDICTED: similar to Chromobox protein homolog 1 (Heterochromatin protein 1 homolog beta) (HP1 beta) (Modifier 1 protein) (M31) (Heterochromatin protein p25) [Rattus norvegicus] | gi\|109488886 (+2) | 82 | 15 | 16 | 1 | 6 | 9 |
| 959 | PREDICTED: similar to zyg-11 homolog B (C. elegans)-like [Rattus norvegicus] | gi\|109476879 (+1) | 84 | 19 | 0 | 7 | 7 | 12 |
| 960 | Ac2-269 [Rattus norvegicus] | gi\|32527757 (+1) | 38 | 25 | 0 | 5 | 5 | 20 |
| 961 | syntaxin 7 [Rattus norvegicus], gi\|146345521\|sp\|O70257.4\|STX7_RAT RecName: Full=Syntaxin-7, gi\|55250720\|gb\|AAH85737.1\| Syntaxin 7 [Rattus norvegicus], gi\|149032910\|gb\|EDL87765.1\| syntaxin 7, isoform CRA_a [Rattus norvegicus], gi\|149032912\|gb\|EDL87767.1\| s | gi\|55741787 | 30 | 23 | 0 | 9 | 9 | 14 |
| 962 | ciliary neurotrophic factor receptor, isoform CRA_b [Rattus norvegicus] | gi\|149045684 | 41 | 18 | 2 | 4 | 5 | 13 |
| 963 | glycoprotein m6b [Mus musculus], gi\|148708793\|gb\|EDL40740.1\| glycoprotein m6b, isoform CRA_g [Mus musculus], gi\|149035875\|gb\|EDL90542.1\| rCG49687, isoform CRA_c [Rattus norvegicus] | gi\|123121340 (+3) | 36 | 18 | 0 | 3 | 3 | 15 |
| 964 | RecName: Full=Fatty acid-binding protein, epidermal; AltName: Full=E-FABP; AltName: Full=Fatty acid-binding protein 5; AltName: Full=Cutaneous fatty acid-binding protein; Short=C-FABP; AltName: Full=DA11, gi\|546420\|gb\|AAB30574.1\| C-FABP [Rattus sp.], gi\|1 | gi\|1706754 (+2) | 15 | 24 | 6 | 0 | 2 | 22 |
| 965 | RecName: Full=Histone-arginine methyltransferase CARM1; AltName: Full=Protein arginine N-methyltransferase 4; AltName: Full=Coactivator-associated arginine methyltransferase 1, gi\|71274083\|dbj\|BAE16334.1\| coactivator-associated arginine methyltransferase | gi\|114149244 (+3) | 70 | 24 | 1 | 0 | 0 | 24 |
| 966 | PREDICTED: similar to thioredoxin family Trp26 [Rattus norvegicus], gi\|109477511\|ref\|XP_001068778.1\| PREDICTED: similar to thioredoxin family Trp26 [Rattus norvegicus] | gi\|109475669 (+2) | 30 | 23 | 7 | 0 | 2 | 21 |
| 967 | karyopherin (importin) alpha 2 [Rattus norvegicus], gi\|4456770\|emb\|CAB37408.1\| importin alpha [Rattus norvegicus] | gi\|16758242 (+1) | 58 | 17 | 1 | 4 | 4 | 13 |
| 968 | protein phosphatase 6, catalytic subunit [Mus musculus], gi\|41055937\|ref\|NP_957299.1\| protein phosphatase 6, catalytic subunit [Danio rerio], gi\|51592096\|ref\|NP_598273.2\| protein phosphatase 6, catalytic subunit [Rattus norvegicus], gi\|62859577\|ref\|NP_001 | gi\|21312758 | 35 | 15 | 11 | 6 | 9 | 6 |
| 969 | RecName: Full=Thioredoxin domain-containing protein 9; AltName: Full=ES cell-related protein | gi\|50401221 (+1) | 26 | 20 | 5 | 0 | 2 | 18 |
| 970 | penta-EF hand domain containing 1 [Rattus norvegicus], gi\|81910619\|sp\|Q641Z8.1\|PEF1_RAT RecName: Full=Peflin; AltName: Full=PEF protein with a long N-terminal hydrophobic domain; AltName: Full=Penta-EF hand domain-containing protein 1, gi\|51980425\|gb\|AAH8 | gi\|56090329 | 30 | 14 | 15 | 4 | 9 | 5 |
| 971 | RecName: Full=Cadherin-2; AltName: Full=Neural cadherin; Short=N-cadherin; AltName: CD_antigen=CD325; Flags: Precursor, gi\|3983131\|gb\|AAC83818.1\| testicular N-cadherin [Rattus norvegicus] | gi\|13431334 (+2) | 100 | 18 | 5 | 5 | 7 | 11 |
| 972 | PREDICTED: similar to glucan (1,4-alpha-), branching enzyme 1 [Rattus norvegicus], gi\|149016757\|gb\|EDL75919.1\| glucan (1,4-alpha-), branching enzyme 1, isoform CRA_b [Rattus norvegicus] | gi\|109493745 | 80 | 11 | 6 | 4 | 6 | 5 |
| 973 | RecName: Full=Fumarate hydratase, mitochondrial; Short=Fumarase; Flags: Precursor, gi\|204188\|gb\|AAA41177.1\| fumarase precursor (EC 4.2.1.2) | gi\|120605 | 54 | 27 | 0 | 3 | 3 | 24 |
| 974 | programmed cell death 10 [Rattus norvegicus], gi\|77416557\|sp\|Q6NX65.1\|PDC10_RAT RecName: Full=Programmed cell death protein 10, gi\|45501042\|gb\|AAH67245.1\| Programmed cell death 10 [Rattus norvegicus], gi\|149048308\|gb\|EDM00884.1\| similar to programmed cell | gi\|57164017 | 24 | 12 | 1 | 2 | 2 | 10 |
| 975 | septin 9, isoform CRA_c [Rattus norvegicus] | gi\|149054900 | 65 | 26 | 2 | 3 | 4 | 22 |
| 976 | antidepressant-related protein ADRG123 splice variant [Rattus norvegicus], gi\|149033652\|gb\|EDL88450.1\| N-myc downstream regulated gene 2, isoform CRA_b [Rattus norvegicus], gi\|149033653\|gb\|EDL88451.1\| N-myc downstream regulated gene 2, isoform CRA_b [Ratt | gi\|18478484 (+1) | 39 | 21 | 4 | 1 | 2 | 19 |
| 977 | guanine nucleotide binding protein, alpha z polypeptide [Rattus norvegicus], gi\|121006\|sp\|P19627.3\|GNAZ_RAT RecName: Full=Guanine nucleotide-binding protein G(z) subunit alpha; AltName: Full=G(x) alpha chain; AltName: Full=Gz-alpha, gi\|204547\|gb\|AAA41304. | gi\|6980966 | 41 | 19 | 0 | 8 | 8 | 11 |
| 978 | receptor accessory protein 1 [Rattus norvegicus], gi\|149036387\|gb\|EDL91005.1\| receptor accessory protein 1 (predicted) [Rattus norvegicus] | gi\|157820891 | 22 | 29 | 0 | 0 | 0 | 29 |
| 979 | PREDICTED: similar to Peroxisomal biogenesis factor 19 (Peroxin-19) (Peroxisomal farnesylated protein) [Rattus norvegicus] | gi\|109507564 (+4) | 56 | 19 | 8 | 0 | 3 | 16 |
| 980 | N-acetyltransferase 13 [Rattus norvegicus], gi\|149060453\|gb\|EDM11167.1\| Mak3 homolog (S. cerevisiae) (predicted) [Rattus norvegicus] | gi\|157786904 | 19 | 16 | 10 | 0 | 3 | 13 |
| 981 | phosphatidylinositol binding clathrin assembly protein, isoform CRA_a [Rattus norvegicus] | gi\|149069002 (+3) | 71 | 28 | 2 | 0 | 1 | 27 |
| 982 | lymphocyte antigen 6 complex, locus H [Rattus norvegicus], gi\|149066190\|gb\|EDM16063.1\| lymphocyte antigen 6 complex, locus H (predicted), isoform CRA_a [Rattus norvegicus], gi\|149066191\|gb\|EDM16064.1\| lymphocyte antigen 6 complex, locus H (predicted), iso | gi\|198386345 | 15 | 30 | 0 | 0 | 0 | 30 |
| 983 | rCG51065, isoform CRA_a [Rattus norvegicus] | gi\|149038370 | 65 | 27 | 0 | 0 | 0 | 27 |
| 984 | catenin (cadherin-associated protein), alpha 1, 102kDa [Rattus norvegicus], gi\|55249717\|gb\|AAH85789.1\| Catenin (cadherin associated protein), alpha 1 [Rattus norvegicus], gi\|149017202\|gb\|EDL76253.1\| catenin (cadherin-associated protein), alpha 1, isoform | gi\|55742755 | 100 | 26 | 1 | 2 | 2 | 24 |
| 985 | similar to RIKEN cDNA 1110007L15 (predicted) [Rattus norvegicus] | gi\|149035059 | 37 | 20 | 4 | 5 | 6 | 14 |
| 986 | ATPase, H+ transporting, lysosomal V0 subunit a1 [Rattus norvegicus], gi\|82794742\|gb\|ABB91440.1\| v-H+ATPase subunit a1-I [Rattus norvegicus] | gi\|77627990 (+1) | 96 | 17 | 0 | 1 | 1 | 16 |
| 987 | PREDICTED: similar to MON2 homolog [Rattus norvegicus] | gi\|109480615 | 189 | 6 | 20 | 2 | 8 | 0 |
| 988 | hypothetical protein LOC300783 [Rattus norvegicus], gi\|149041969\|gb\|EDL95810.1\| similar to Butyrate-induced transcript 1 (predicted) [Rattus norvegicus] | gi\|157819829 | 43 | 17 | 0 | 3 | 3 | 14 |
| 989 | cytoplasmic FMR1 interacting protein 2 [Rattus norvegicus], gi\|149052349\|gb\|EDM04166.1\| cytoplasmic FMR1 interacting protein 2 (predicted) [Rattus norvegicus] | gi\|157819571 | 69 | 16 | 2 | 6 | 7 | 9 |
| 990 | karyopherin alpha 4 [Mus musculus], gi\|62339366\|ref\|NP_001014793.1\| karyopherin alpha 4 (importin alpha 3) [Rattus norvegicus], gi\|3122276\|sp\|O35343.1\|IMA4_MOUSE RecName: Full=Importin subunit alpha-4; AltName: Full=Karyopherin subunit alpha-4; AltName: F | gi\|6680598 | 58 | 23 | 6 | 0 | 2 | 21 |
| 991 | nitrilase family, member 2 [Rattus norvegicus], gi\|123789027\|sp\|Q497B0.1\|NIT2_RAT RecName: Full=Nitrilase homolog 2, gi\|72679567\|gb\|AAI00638.1\| Nitrilase family, member 2 [Rattus norvegicus], gi\|149060320\|gb\|EDM11034.1\| nitrilase family, member 2 [Rattus | gi\|77628000 | 31 | 24 | 3 | 1 | 2 | 22 |
| 992 | RuvB-like protein 1 [Mus musculus], gi\|22208848\|ref\|NP_671706.1\| RuvB-like 1 [Rattus norvegicus], gi\|38605681\|sp\|P60123.1\|RUVB1_RAT RecName: Full=RuvB-like 1; AltName: Full=49 kDa TATA box-binding protein-interacting protein; Short=49 kDa TBP-interacting | gi\|9790083 | 50 | 22 | 0 | 5 | 5 | 17 |
| 993 | prohibitin 2 [Rattus norvegicus] | gi\|149049492 (+1) | 32 | 17 | 1 | 5 | 5 | 12 |
| 994 | vacuolar protein sorting 52 homolog [Rattus norvegicus], gi\|81870466\|sp\|O55166.2\|VPS52_RAT RecName: Full=Vacuolar protein sorting-associated protein 52 homolog; AltName: Full=SAC2 suppressor of actin mutations 2-like protein, gi\|3850063\|emb\|CAA11566.1\| AR | gi\|14861866 | 82 | 21 | 0 | 5 | 5 | 16 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 995 | dynactin 3 [Rattus norvegicus], gi\|149045686\|gb\|EDL98686.1\| rCG55152, isoform CRA_a [Rattus norvegicus] | gi\|157821779 | 21 | 26 | 2 | 0 | 1 | 25 |
| 996 | PREDICTED: similar to rap2 interacting protein x [Rattus norvegicus] | gi\|109500414 | 74 | 13 | 6 | 10 | 12 | 1 |
| 997 | valosin-containing protein (p97)/p47 complex-interacting protein p135 [Rattus norvegicus], gi\|55977741\|sp\|Q8CF97.2\|VCIP1_RAT RecName: Full=Deubiquitinating protein VCIP135; AltName: Full=Valosin-containing protein p97/p47 complex-interacting protein p135; | gi\|148747111 | 135 | 23 | 0 | 6 | 6 | 17 |
| 998 | PREDICTED: similar to breakpoint cluster region isoform 1 [Rattus norvegicus] | gi\|109509356 (+2) | 135 | 15 | 5 | 7 | 9 | 6 |
| 999 | endoplasmic reticulum protein 29 [Rattus norvegicus], gi\|2507015\|sp\|P52555.2\|ERP29_RAT RecName: Full=Endoplasmic reticulum protein ERp29; AltName: Full=ERp31; Flags: Precursor, gi\|1772594\|emb\|CAA71313.1\| ERp29 precursor [Rattus norvegicus], gi\|2317800\|gb\| | gi\|16758848 | 29 | 26 | 3 | 0 | 1 | 25 |
| 1000 | RecName: Full=40S ribosomal protein S17, gi\|37231603\|gb\|AAH58484.1\| Ribosomal protein S17 [Rattus norvegicus], gi\|149057361\|gb\|EDM08684.1\| rCG24688, isoform CRA_d [Rattus norvegicus] | gi\|54041951 | 16 | 31 | 0 | 0 | 0 | 31 |
| 1001 | enabled homolog [Rattus norvegicus], gi\|53733843\|gb\|AAH83927.1\| Enabled homolog (Drosophila) [Rattus norvegicus] | gi\|58865872 | 59 | 30 | 0 | 0 | 0 | 30 |
| 1002 | RecName: Full=Mitogen-activated protein kinase 3; AltName: Full=Extracellular signal-regulated kinase 1; Short=ERK-1; AltName: Full=Insulin-stimulated MAP2 kinase; AltName: Full=MAP kinase 1; Short=MAPK 1; AltName: Full=p44-ERK1; AltName: Full=ERT2; AltNa | gi\|115311606 (+4) | 43 | 18 | 5 | 3 | 5 | 13 |
| 1003 | S-adenosylhomocysteine hydrolase-like 1 [Rattus norvegicus], gi\|149025642\|gb\|EDL81885.1\| S-adenosylhomocysteine hydrolase-like 1 (predicted) [Rattus norvegicus] | gi\|157819079 | 53 | 19 | 3 | 3 | 4 | 15 |
| 1004 | RecName: Full=AP-3 complex subunit mu-1; AltName: Full=Adapter-related protein complex 3 mu-1 subunit; AltName: Full=AP-3 adapter complex mu3A subunit; AltName: Full=Mu-adaptin 3A; AltName: Full=Mu3A-adaptin; AltName: Full=Golgi adaptor AP-1 47 kDa protei | gi\|1703027 (+1) | 47 | 26 | 1 | 3 | 3 | 23 |
| 1005 | 3'(2'), 5'-bisphosphate nucleotidase 1 [Rattus norvegicus], gi\|46395575\|sp\|Q9Z1N4.1\|BPNT1_RAT RecName: Full=3'(2'),5'-bisphosphate nucleotidase 1; AltName: Full=Bisphosphate 3'-nucleotidase 1; AltName: Full=PAP-inositol-1,4-phosphatase; Short=PIP; AltName | gi\|25282455 | 33 | 15 | 14 | 0 | 4 | 11 |
| 1006 | polymerase (DNA directed), delta 1, catalytic subunit, isoform CRA_b [Rattus norvegicus] | gi\|149056044 (+1) | 123 | 15 | 12 | 2 | 6 | 9 |
| 1007 | AKT1 kinase [Rattus norvegicus], gi\|1346401\|sp\|P47196.1\|AKT1_RAT RecName: Full=RAC-alpha serine/threonine-protein kinase; AltName: Full=RAC-PK-alpha; AltName: Full=Protein kinase B; Short=PKB, gi\|485403\|dbj\|BAA06279.1\| RAC protein kinase alpha [Rattus nor | gi\|15100164 | 56 | 12 | 9 | 5 | 8 | 4 |
| 1008 | rCG22154, isoform CRA_a [Rattus norvegicus] | gi\|149046323 | 115 | 13 | 10 | 3 | 6 | 7 |
| 1009 | peptidylprolyl isomerase B [Rattus norvegicus], gi\|3288923\|gb\|AAC25590.1\| cyclophilin B [Rattus norvegicus] | gi\|11968126 (+1) | 23 | 22 | 2 | 0 | 1 | 21 |
| 1010 | Vac14 homolog (S. cerevisiae), isoform CRA_a [Rattus norvegicus] | gi\|149038181 (+1) | 87 | 24 | 1 | 0 | 0 | 24 |
| 1011 | rCG51513 [Rattus norvegicus] | gi\|149038259 | 43 | 21 | 9 | 0 | 3 | 18 |
| 1012 | Chain A, Crystal Structure Of A Mu-Like Calpain, gi\|42543460\|pdb\|1QXP\|B Chain B, Crystal Structure Of A Mu-Like Calpain | gi\|42543459 | 103 | 16 | 8 | 1 | 4 | 12 |
| 1013 | PREDICTED: similar to nischarin [Rattus norvegicus], gi\|109503762\|ref\|XP_001058707.1\| PREDICTED: similar to nischarin [Rattus norvegicus], gi\|205829312\|sp\|Q4G017.2\|NISCH_RAT RecName: Full=Nischarin; AltName: Full=Imidazoline receptor 1; Short=IR1; Short=I | gi\|109503020 | 167 | 11 | 15 | 0 | 5 | 6 |
| 1014 | rCG23277 [Rattus norvegicus] | gi\|149044802 | 385 | 15 | 8 | 4 | 7 | 8 |
| 1015 | chromobox homolog 3 [Homo sapiens], gi\|20544151\|ref\|NP_057671.2\| chromobox homolog 3 [Homo sapiens], gi\|56799436\|ref\|NP_001008314.2\| chromobox homolog 3 [Rattus norvegicus], gi\|108860695\|ref\|NP_031650.3\| chromobox homolog 3 [Mus musculus], gi\|155372117\|re | gi\|15082258 | 21 | 21 | 11 | 0 | 3 | 18 |
| 1016 | hippocalcin-like 1 [Mus musculus], gi\|8393864\|ref\|NP_059052.1\| hippocalcin-like 1 [Rattus norvegicus], gi\|51317363\|sp\|P62749.2\|HPCL1_RAT RecName: Full=Hippocalcin-like protein 1; AltName: Full=Visinin-like protein 3; Short=VILIP-3; AltName: Full=Neural vi | gi\|7949055 | 22 | 27 | 0 | 0 | 0 | 27 |
| 1017 | thioredoxin-related transmembrane protein 2 [Rattus norvegicus], gi\|81883793\|sp\|Q5XIK2.1\|TXD14_RAT RecName: Full=Thioredoxin domain-containing protein 14; AltName: Full=Thioredoxin-related transmembrane protein 2; Flags: Precursor, gi\|53733483\|gb\|AAH83678 | gi\|56090369 | 34 | 28 | 0 | 0 | 0 | 28 |
| 1018 | grp75 [Rattus sp.] | gi\|1000439 (+2) | 74 | 27 | 0 | 0 | 0 | 27 |
| 1019 | rCG42519, isoform CRA_a [Rattus norvegicus] | gi\|149029697 | 52 | 27 | 0 | 0 | 0 | 27 |
| 1020 | RecName: Full=Alpha-2-HS-glycoprotein; AltName: Full=Fetuin-A; AltName: Full=Glycoprotein PP63; AltName: Full=59 kDa bone sialic acid-containing protein; Short=BSP; Flags: Precursor, gi\|56140\|emb\|CAA45042.1\| fetuin precursor [Rattus norvegicus], gi\|220676 | gi\|231468 | 38 | 1 | 26 | 0 | 8 | 0 |
| 1021 | X-linked eukaryotic translation initiation factor 1A [Homo sapiens], gi\|31541824\|ref\|NP_079713.2\| eukaryotic translation initiation factor 1A, Y-linked [Mus musculus], gi\|52345532\|ref\|NP_001004814.1\| intracisternal A particle-promoted polypeptide [Xenopus | gi\|4503499 | 16 | 19 | 0 | 0 | 0 | 19 |
| 1022 | Sjogren syndrome antigen B, isoform CRA_b [Rattus norvegicus], gi\|149022179\|gb\|EDL79073.1\| Sjogren syndrome antigen B, isoform CRA_b [Rattus norvegicus] | gi\|149022176 (+1) | 46 | 18 | 8 | 2 | 5 | 13 |
| 1023 | Down syndrome critical region homolog 2 (human) (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149017674 | 33 | 19 | 8 | 1 | 4 | 15 |
| 1024 | adenylosuccinate synthase [Rattus norvegicus], gi\|149040836\|gb\|EDL94793.1\| adenylosuccinate synthetase, non muscle (predicted) [Rattus norvegicus] | gi\|157787018 | 50 | 17 | 6 | 6 | 8 | 9 |
| 1025 | putative MAGE-like protein [Rattus norvegicus] | gi\|12055371 (+1) | 66 | 12 | 12 | 6 | 10 | 2 |
| 1026 | paralemmin, isoform CRA_b [Rattus norvegicus] | gi\|149034654 | 37 | 21 | 1 | 6 | 6 | 15 |
| 1027 | proteasome inhibitor subunit 1 [Rattus norvegicus], gi\|62510947\|sp\|Q5XIU5.1\|PSMF1_RAT RecName: Full=Proteasome inhibitor PI31 subunit, gi\|53734363\|gb\|AAH83575.1\| Similar to Proteasome inhibitor PI31 subunit [Rattus norvegicus], gi\|149031071\|gb\|EDL86098.1\| | gi\|155369692 | 30 | 12 | 4 | 8 | 9 | 3 |
| 1028 | p21 (CDKN1A)-activated kinase 1 [Rattus norvegicus], gi\|3915789\|sp\|P35465.3\|PAK1_RAT RecName: Full=Serine/threonine-protein kinase PAK 1; AltName: Full=p21-activated kinase 1; Short=PAK-1; AltName: Full=p68-PAK; AltName: Full=Alpha-PAK; AltName: Full=Prot | gi\|8393901 | 61 | 22 | 2 | 0 | 1 | 21 |
| 1029 | PREDICTED: similar to EH domain binding protein 1 [Rattus norvegicus] | gi\|109500095 (+2) | 190 | 15 | 7 | 0 | 2 | 13 |
| 1030 | cytochrome c oxidase subunit II [Rattus norvegicus], gi\|117043\|sp\|P00406.2\|COX2_RAT RecName: Full=Cytochrome c oxidase subunit 2; AltName: Full=Cytochrome c oxidase polypeptide II, gi\|13481\|emb\|CAA32957.1\| cytochrome-c oxidase II [Rattus norvegicus], gi\|1 | gi\|110189666 | 26 | 21 | 1 | 7 | 7 | 14 |
| 1031 | PREDICTED: heterogeneous nuclear ribonucleoprotein A1 [Equus caballus], gi\|74222222\|dbj\|BAE26919.1\| unnamed protein product [Mus musculus], gi\|149031878\|gb\|EDL86790.1\| rCG50547, isoform CRA_b [Rattus norvegicus], gi\|149031880\|gb\|EDL86792.1\| rCG50547, isof | gi\|149714872 (+3) | 39 | 15 | 3 | 6 | 7 | 8 |
| 1032 | exosome component 2 [Rattus norvegicus], gi\|149039049\|gb\|EDL93269.1\| exosome component 2 (predicted) [Rattus norvegicus] | gi\|157822341 | 33 | 23 | 2 | 2 | 3 | 20 |
| 1033 | initiation factor eIF-2B gamma subunit | gi\|1537015 | 50 | 20 | 0 | 3 | 3 | 17 |
| 1034 | Cdc42 binding protein kinase beta, isoform CRA_a [Rattus norvegicus] | gi\|149044094 (+4) | 192 | 19 | 0 | 2 | 2 | 17 |
| 1035 | PREDICTED: similar to alveolar soft part sarcoma chromosome region, candidate 1 long isoform isoform 5 [Rattus norvegicus] | gi\|109492391 (+2) | 60 | 24 | 0 | 4 | 4 | 20 |
| 1036 | programmed cell death 6 [Rattus norvegicus], gi\|149032826\|gb\|EDL87681.1\| programmed cell death 6 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157818653 | 22 | 10 | 14 | 0 | 4 | 6 |
| 1037 | G protein-coupled receptor kinase interacting ArfGAP 1 [Rattus norvegicus], gi\|18203659\|sp\|Q9Z272.1\|GIT1_RAT RecName: Full=ARF GTPase-activating protein GIT1; AltName: Full=G protein-coupled receptor kinase-interactor 1; AltName: Full=GRK-interacting prot | gi\|13929158 (+1) | 85 | 15 | 1 | 4 | 4 | 11 |
| 1038 | laminin, beta 1 [Rattus norvegicus], gi\|149051074\|gb\|EDM03247.1\| laminin, beta 1 (predicted) [Rattus norvegicus] | gi\|157818227 | 112 | 21 | 0 | 1 | 1 | 20 |
| 1039 | mitogen-activated protein kinase kinase 4 [Mus musculus], gi\|71795640\|ref\|NP_001025194.1\| mitogen activated protein kinase kinase 4 [Rattus norvegicus], gi\|2507202\|sp\|P47809.2\|MP2K4_MOUSE RecName: Full=Dual specificity mitogen-activated protein kinase kin | gi\|22095023 | 44 | 12 | 4 | 9 | 10 | 2 |
| 1040 | PREDICTED: similar to SH3-domain GRB2-like 2 [Rattus norvegicus], gi\|109476698\|ref\|XP_001070855.1\| PREDICTED: similar to SH3-domain GRB2-like 2 [Rattus norvegicus] | gi\|109475069 (+1) | 52 | 23 | 5 | 0 | 2 | 21 |
| 1041 | polymerase (RNA) II (DNA directed) polypeptide E [Mus musculus], gi\|157819761\|ref\|NP_001103084.1\| polymerase (RNA) II (DNA directed) polypeptide E, 25kDa [Rattus norvegicus], gi\|109481606\|ref\|XP_001076884.1\| PREDICTED: similar to DNA-directed RNA polymera | gi\|124249077 (+2) | 25 | 24 | 3 | 2 | 3 | 21 |
| 1042 | Na+/K+ -ATPase beta 1 subunit [Rattus norvegicus], gi\|114395\|sp\|P07340.1\|AT1B1_RAT RecName: Full=Sodium/potassium-transporting ATPase subunit beta-1; AltName: Full=Sodium/potassium-dependent ATPase subunit beta-1, gi\|203041\|gb\|AAA40781.1\| Na-, K- ATPase b | gi\|148747253 (+2) | 35 | 27 | 0 | 2 | 2 | 25 |
| 1043 | PREDICTED: similar to SH2 domain binding protein 1 (tetratricopeptide repeat containing) [Rattus norvegicus], gi\|109462689\|ref\|XP_001077817.1\| PREDICTED: similar to SH2 domain binding protein 1 (tetratricopeptide repeat containing) [Rattus norvegicus] | gi\|109459265 (+1) | 144 | 13 | 0 | 8 | 8 | 5 |
| 1044 | TPA: proteasome subunit alpha type 3-like [Rattus norvegicus] | gi\|47169488 (+1) | 28 | 25 | 2 | 0 | 1 | 24 |
| 1045 | rCG23030, isoform CRA_c [Rattus norvegicus] | gi\|149016889 (+2) | 18 | 18 | 0 | 10 | 10 | 8 |
| 1046 | rCG24640, isoform CRA_a [Rattus norvegicus] | gi\|149057093 | 26 | 20 | 4 | 0 | 1 | 19 |
| 1047 | RecName: Full=Carboxypeptidase E; Short=CPE; AltName: Full=Carboxypeptidase H; Short=CPH; AltName: Full=Enkephalin convertase; AltName: Full=Prohormone-processing carboxypeptidase; Flags: Precursor, gi\|203304\|gb\|AAA40875.1\| carboxypeptidase H precursor (E | gi\|115893 (+3) | 53 | 26 | 0 | 0 | 0 | 26 |
| 1048 | frequenin homolog (Drosophila), isoform CRA_a [Rattus norvegicus], gi\|149039058\|gb\|EDL93278.1\| frequenin homolog (Drosophila), isoform CRA_a [Rattus norvegicus] | gi\|149039057 (+1) | 21 | 28 | 0 | 0 | 0 | 28 |
| 1049 | LanC-like 1 [Rattus norvegicus], gi\|47115529\|sp\|Q9QX69.2\|LANC1_RAT RecName: Full=LanC-like protein 1; AltName: Full=40 kDa erythrocyte membrane protein; AltName: Full=p40, gi\|6625487\|emb\|CAB63943.1\| lanthionine synthetase C-like protein 1 [Rattus norvegic | gi\|39930499 | 45 | 15 | 0 | 4 | 4 | 11 |
| 1050 | PREDICTED: similar to Coronin-7 (70 kDa WD repeat tumor rejection antigen homolog) [Rattus norvegicus] | gi\|109487777 (+1) | 106 | 17 | 1 | 5 | 5 | 12 |
| 1051 | vacuolar ATPase subunit H, isoform CRA_a [Rattus norvegicus] | gi\|149060971 | 56 | 20 | 1 | 1 | 1 | 19 |
| 1052 | DNA directed RNA polymerase II polypeptide B [Homo sapiens], gi\|157822127\|ref\|NP_001099472.1\| DNA directed RNA polymerase II polypeptide B [Rattus norvegicus], gi\|114594586\|ref\|XP_517275.2\| PREDICTED: DNA directed RNA polymerase II polypeptide B isoform 2 | gi\|4505941 | 134 | 16 | 6 | 3 | 5 | 11 |
| 1053 | Epsin 1 [Rattus norvegicus], gi\|41016934\|sp\|O88339.1\|EPN1_RAT RecName: Full=Epsin-1; AltName: Full=EPS-15-interacting protein 1, gi\|3249559\|gb\|AAC33823.1\| EH domain binding protein Epsin [Rattus norvegicus], gi\|149016701\|gb\|EDL75887.1\| Epsin 1 [Rattus nor | gi\|16923990 | 60 | 16 | 11 | 1 | 4 | 12 |
| 1054 | putative breast adenocarcinoma marker [Mus musculus], gi\|157821085\|ref\|NP_001102376.1\| chromatin modifying protein 2A [Rattus norvegicus], gi\|73917741\|sp\|Q9DB34.1\|CHM2A_MOUSE RecName: Full=Charged multivesicular body protein 2a; AltName: Full=Chromatin-mo | gi\|21312151 | 25 | 12 | 5 | 2 | 4 | 8 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1055 | poly(rC) binding protein 2 isoform b [Homo sapiens], gi\|157041229\|ref\|NP_001096635.1\| poly(rC) binding protein 2 isoform 1 [Mus musculus], gi\|73996203\|ref\|XP_534789.2\| PREDICTED: similar to Poly(rC)-binding protein 2 (Alpha-CP2) (Putative heterogeneous nu | gi\|14141166 (+5) | 38 | 12 | 14 | 2 | 6 | 6 |
| 1056 | RecName: Full=Vacuolar protein-sorting-associated protein 25; AltName: Full=ESCRT-II complex subunit VPS25; AltName: Full=ELL-associated protein of 20 kDa | gi\|73920461 | 21 | 17 | 7 | 0 | 2 | 15 |
| 1057 | PREDICTED: similar to pad-1-like isoform 1 [Rattus norvegicus] | gi\|109492847 (+2) | 258 | 17 | 10 | 1 | 4 | 13 |
| 1058 | exosome component 3 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149045812 | 30 | 18 | 0 | 9 | 9 | 9 |
| 1059 | PREDICTED: similar to Potassium channel tetramerisation domain containing protein 12 (Pfetin) (Predominantly fetal expressed T1 domain) [Rattus norvegicus] | gi\|109501957 | 47 | 17 | 4 | 0 | 1 | 16 |
| 1060 | trafficking protein particle complex 5 [Mus musculus], gi\|157819521\|ref\|NP_001102320.1\| trafficking protein particle complex 5 [Rattus norvegicus], gi\|71153353\|sp\|Q9CQA1.1\|TPPC5_MOUSE RecName: Full=Trafficking protein particle complex subunit 5, gi\|128344 | gi\|157266281 | 21 | 23 | 0 | 2 | 2 | 21 |
| 1061 | casein kinase 2, alpha prime polypeptide [Rattus norvegicus], gi\|149032392\|gb\|EDL87283.1\| casein kinase II, alpha 2, polypeptide (predicted) [Rattus norvegicus] | gi\|157817807 | 41 | 14 | 0 | 9 | 9 | 5 |
| 1062 | cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) [Rattus norvegicus] | gi\|149058452 (+1) | 56 | 21 | 0 | 6 | 6 | 15 |
| 1063 | similar to Amyloid beta (A4) precursor-like protein 1 (predicted) [Rattus norvegicus] | gi\|149056329 | 73 | 19 | 3 | 0 | 1 | 18 |
| 1064 | Na+/Ca2+ exchanger [Rattus norvegicus] | gi\|14132792 (+12) | 107 | 22 | 0 | 5 | 5 | 17 |
| 1065 | RecName: Full=Neuronal-specific septin-3; AltName: Full=G-septin; AltName: Full=P40 | gi\|147732953 (+6) | 41 | 21 | 0 | 0 | 0 | 21 |
| 1066 | rCG30479, isoform CRA_a [Rattus norvegicus] | gi\|149060903 (+3) | 31 | 14 | 0 | 4 | 4 | 10 |
| 1067 | apolipoprotein E, isoform CRA_c [Rattus norvegicus] | gi\|149056721 (+3) | 27 | 6 | 21 | 0 | 7 | 0 |
| 1068 | ribosomal protein S11 [Homo sapiens], gi\|13592071\|ref\|NP_112372.1\| ribosomal protein S11 [Rattus norvegicus], gi\|21426889\|ref\|NP_038753.1\| ribosomal protein S11 [Mus musculus], gi\|55624058\|ref\|XP_517681.1\| PREDICTED: hypothetical protein isoform 3 [Pan tr | gi\|4506681 | 18 | 19 | 0 | 0 | 0 | 19 |
| 1069 | rCG36716, isoform CRA_e [Rattus norvegicus] | gi\|149019924 (+4) | 48 | 0 | 26 | 0 | 8 | 0 |
| 1070 | AMP-activated protein kinase gamma2 subunit [Rattus norvegicus], gi\|33867943\|gb\|AAQ55225.1\| AMP-activated protein kinase gamma 2 non-catalytic subunit [Rattus norvegicus] | gi\|34576559 | 37 | 18 | 5 | 2 | 4 | 14 |
| 1071 | splicing factor, arginine/serine-rich 2 [Mus musculus], gi\|47271443\|ref\|NP_003007.2\| splicing factor, arginine/serine-rich 2 [Homo sapiens], gi\|57528425\|ref\|NP_001009720.1\| splicing factor, arginine/serine-rich 2 [Rattus norvegicus], gi\|77735589\|ref\|NP_00 | gi\|6755478 | 25 | 8 | 9 | 4 | 7 | 1 |
| 1072 | LanC lantibiotic synthetase component C-like 2 [Rattus norvegicus], gi\|51261051\|gb\|AAH79412.1\| LanC lantibiotic synthetase component C-like 2 (bacterial) [Rattus norvegicus] | gi\|62079109 | 51 | 20 | 4 | 1 | 2 | 18 |
| 1073 | RecName: Full=Huntingtin; AltName: Full=Huntington disease protein homolog; Short=HD protein homolog | gi\|1708162 (+1) | 344 | 10 | 6 | 2 | 4 | 6 |
| 1074 | exosome component 5 [Rattus norvegicus], gi\|149056574\|gb\|EDM08005.1\| exosome component 5 (predicted), isoform CRA_a [Rattus norvegicus], gi\|149056575\|gb\|EDM08006.1\| exosome component 5 (predicted), isoform CRA_a [Rattus norvegicus], gi\|149056576\|gb\|EDM080 | gi\|157819675 | 11 | 21 | 1 | 6 | 6 | 15 |
| 1075 | WD repeat domain 7 [Rattus norvegicus], gi\|73920470\|sp\|Q9ERH3.1\|WDR7_RAT RecName: Full=WD repeat-containing protein 7; AltName: Full=TGF-beta resistance-associated protein TRAG, gi\|11127919\|gb\|AAG31140.1\|AF305813_1 TGF-beta resistance-associated protein [ | gi\|13027430 (+1) | 163 | 15 | 2 | 4 | 5 | 10 |
| 1076 | PREDICTED: similar to glycerol-3-phosphate dehydrogenase 1-like [Rattus norvegicus], gi\|109485458\|ref\|XP_001077897.1\| PREDICTED: similar to glycerol-3-phosphate dehydrogenase 1-like [Rattus norvegicus] | gi\|109484025 | 38 | 12 | 11 | 0 | 3 | 9 |
| 1077 | similar to cullin 4A (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149057633 | 88 | 17 | 3 | 4 | 5 | 12 |
| 1078 | hypothetical protein LOC305031 [Rattus norvegicus], gi\|81907947\|sp\|Q4V8K5.1\|BROX_RAT RecName: Full=BRO1 domain-containing protein BROX, gi\|66910563\|gb\|AAH97348.1\| Similar to 0610010K06Rik protein [Rattus norvegicus], gi\|149040931\|gb\|EDL94888.1\| similar to | gi\|71043832 | 46 | 12 | 9 | 0 | 3 | 9 |
| 1079 | methionine sulfoxide reductase A [Rattus norvegicus], gi\|45477002\|sp\|Q923M1.1\|MSRA_RAT RecName: Full=Peptide methionine sulfoxide reductase; AltName: Full=Protein-methionine-S-oxide reductase; Short=PMSR; AltName: Full=Peptide-methionine (S)-S-oxide reduc | gi\|16758004 | 26 | 18 | 7 | 0 | 2 | 16 |
| 1080 | superkiller viralicidic activity 2-like 2 [Rattus norvegicus], gi\|149059353\|gb\|EDM10360.1\| similar to RIKEN cDNA 2610528A15 [Rattus norvegicus] | gi\|77539760 | 118 | 15 | 0 | 6 | 6 | 9 |
| 1081 | Rab geranylgeranyltransferase alpha [Rattus norvegicus], gi\|730316\|sp\|Q08602.1\|PGTA_RAT RecName: Full=Geranylgeranyl transferase type-2 subunit alpha; AltName: Full=Geranylgeranyl transferase type II subunit alpha; AltName: Full=Rab geranylgeranyltransfer | gi\|13928906 (+1) | 65 | 13 | 2 | 6 | 7 | 6 |
| 1082 | eukaryotic translation initiation factor 3, subunit G [Rattus norvegicus], gi\|81910034\|sp\|Q5RK09.1\|EIF3G_RAT RecName: Full=Eukaryotic translation initiation factor 3 subunit G; Short=eIF3g; AltName: Full=Eukaryotic translation initiation factor 3 subunit | gi\|61556927 | 36 | 11 | 1 | 6 | 6 | 5 |
| 1083 | dihydrofolate reductase [Rattus norvegicus], gi\|81871579\|sp\|Q920D2.3\|DYR_RAT RecName: Full=Dihydrofolate reductase, gi\|15982944\|gb\|AAL11500.1\|AF318150_1 dihydrofolate reductase [Rattus norvegicus], gi\|149059008\|gb\|EDM10015.1\| rCG44522 [Rattus norvegicus], | gi\|18426814 | 22 | 10 | 12 | 2 | 6 | 4 |
| 1084 | transmembrane protein [Rattus norvegicus] | gi\|1360136 (+1) | 23 | 21 | 2 | 0 | 1 | 20 |
| 1085 | LIM and SH3 protein 1 [Rattus norvegicus], gi\|57012886\|sp\|Q99MZ8.1\|LASP1_RAT RecName: Full=LIM and SH3 domain protein 1; Short=LASP-1, gi\|13506795\|gb\|AAK28338.1\| LASP-1 [Rattus norvegicus], gi\|71122452\|gb\|AAH99791.1\| LIM and SH3 protein 1 [Rattus norvegic | gi\|14249130 | 30 | 9 | 14 | 0 | 4 | 5 |
| 1086 | PREDICTED: similar to neuron navigator 1 [Rattus norvegicus] | gi\|109498680 (+1) | 202 | 8 | 4 | 4 | 5 | 3 |
| 1087 | hypothetical protein LOC287871 [Rattus norvegicus], gi\|149054982\|gb\|EDM06799.1\| similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats (predicted) [Rattus norvegicus] | gi\|197386276 | 150 | 17 | 0 | 3 | 3 | 14 |
| 1088 | pyruvate kinase, muscle [Rattus norvegicus], gi\|125601\|sp\|P11980.3\|KPYM_RAT RecName: Full=Pyruvate kinase isozymes M1/M2; AltName: Full=Pyruvate kinase muscle isozyme, gi\|56929\|emb\|CAA33799.1\| unnamed protein product [Rattus norvegicus], gi\|206204\|gb\|AAB9 | gi\|16757994 | 58 | 16 | 8 | 0 | 3 | 13 |
| 1089 | ubiquitin specific protease 4 isoform b [Rattus norvegicus], gi\|149018537\|gb\|EDL77178.1\| similar to Ubiquitin carboxyl-terminal hydrolase 4 (Ubiquitin thiolesterase 4) (Ubiquitin-specific processing protease 4) (Deubiquitinating enzyme 4) (Ubiquitous nucl | gi\|157824037 (+1) | 104 | 14 | 2 | 0 | 1 | 13 |
| 1090 | TP53 regulating kinase [Rattus norvegicus], gi\|109471347\|ref\|XP_001072110.1\| PREDICTED: similar to TP53-regulating kinase (p53-related protein kinase) (Nori-2) isoform 2 [Rattus norvegicus], gi\|109471349\|ref\|XP_001072076.1\| PREDICTED: similar to TP53-regu | gi\|157820293 | 27 | 13 | 4 | 7 | 8 | 5 |
| 1091 | COMM domain containing 9 [Rattus norvegicus], gi\|75516470\|gb\|AAI01874.1\| COMM domain containing 9 [Rattus norvegicus], gi\|149022733\|gb\|EDL79627.1\| COMM domain containing 9, isoform CRA_a [Rattus norvegicus], gi\|149022734\|gb\|EDL79628.1\| COMM domain contain | gi\|76096328 | 22 | 18 | 10 | 0 | 3 | 15 |
| 1092 | LUC7-like 2 [Rattus norvegicus], gi\|47115719\|sp\|Q7TNC4.1\|LC7L2_MOUSE RecName: Full=Putative RNA-binding protein Luc7-like 2; AltName: Full=CGI-74 homolog, gi\|33604140\|gb\|AAH56354.1\| LUC7-like 2 (S. cerevisiae) [Mus musculus], gi\|34784543\|gb\|AAH56970.1\| LU | gi\|157822829 | 47 | 11 | 4 | 7 | 8 | 3 |
| 1093 | septin 5, isoform CRA_b [Rattus norvegicus] | gi\|149019801 (+5) | 42 | 25 | 0 | 0 | 0 | 25 |
| 1094 | PREDICTED: similar to peptidylprolyl isomerase H [Rattus norvegicus] | gi\|109477123 (+1) | 26 | 4 | 11 | 0 | 3 | 1 |
| 1095 | restin (Reed-Steinberg cell-expressed intermediate filament-associated protein), isoform CRA_a [Rattus norvegicus] | gi\|149063304 (+2) | 135 | 1 | 20 | 0 | 6 | 0 |
| 1096 | peptidylprolyl cis/trans isomerase, NIMA-interacting 1 [Rattus norvegicus], gi\|149020551\|gb\|EDL78356.1\| protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1 (predicted), isoform CRA_a [Rattus norvegicus], gi\|165970767\|gb\|AAI58868.1\| Peptidylpr | gi\|157817696 | 18 | 22 | 3 | 0 | 1 | 21 |
| 1097 | nucleoredoxin [Rattus norvegicus], gi\|149053442\|gb\|EDM05259.1\| nucleoredoxin (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157818993 | 41 | 20 | 5 | 0 | 2 | 18 |
| 1098 | Prpk (p53-related protein kinase)-binding protein [Rattus norvegicus], gi\|149036589\|gb\|EDL91207.1\| Tp53rk binding protein, isoform CRA_a [Rattus norvegicus], gi\|149036592\|gb\|EDL91210.1\| Tp53rk binding protein, isoform CRA_a [Rattus norvegicus] | gi\|62422579 | 20 | 18 | 6 | 2 | 4 | 14 |
| 1099 | rCG60920, isoform CRA_a [Rattus norvegicus] | gi\|149043815 (+2) | 41 | 11 | 15 | 0 | 5 | 6 |
| 1100 | eukaryotic translation initiation factor 2B, subunit 4 delta [Rattus norvegicus], gi\|2494308\|sp\|Q63186.1\|EI2BD_RAT RecName: Full=Translation initiation factor eIF-2B subunit delta; AltName: Full=eIF-2B GDP-GTP exchange factor subunit delta, gi\|667056\|emb\| | gi\|16758830 | 58 | 16 | 1 | 5 | 5 | 11 |
| 1101 | Rap guanine nucleotide exchange factor (GEF) 2 [Rattus norvegicus], gi\|149048299\|gb\|EDM00875.1\| Rap guanine nucleotide exchange factor (GEF) 2 (predicted) [Rattus norvegicus] | gi\|157818583 | 144 | 3 | 16 | 2 | 7 | 0 |
| 1102 | trafficking protein particle complex 3 [Mus musculus], gi\|56605828\|ref\|NP_001008377.1\| trafficking protein particle complex 3 [Rattus norvegicus], gi\|20177835\|sp\|O55013.1\|TPPC3_MOUSE RecName: Full=Trafficking protein particle complex subunit 3; AltName: F | gi\|7304929 | 20 | 21 | 3 | 0 | 1 | 20 |
| 1103 | synapsin III [Rattus norvegicus], gi\|6707725\|sp\|O70441.1\|SYN3_RAT RecName: Full=Synapsin-3; AltName: Full=Synapsin III, gi\|3170561\|gb\|AAC24521.1\| synapsin IIIa [Rattus norvegicus], gi\|149067390\|gb\|EDM17123.1\| synapsin III, isoform CRA_a [Rattus norvegicus | gi\|8394389 | 63 | 14 | 0 | 1 | 1 | 13 |
| 1104 | splicing factor 3b, subunit 2 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149062046 | 98 | 14 | 2 | 6 | 7 | 7 |
| 1105 | ADP-ribosylation factor 2, isoform CRA_c [Rattus norvegicus] | gi\|149054474 (+1) | 28 | 19 | 6 | 0 | 2 | 17 |
| 1106 | glutathione S-transferase alpha 4 [Rattus norvegicus], gi\|121714\|sp\|P14942.2\|GSTA4_RAT RecName: Full=Glutathione S-transferase alpha-4; AltName: Full=Glutathione S-transferase Yk; Short=GST Yk; AltName: Full=GST 8-8; AltName: Full=GST K; AltName: Full=GST | gi\|157820217 | 26 | 20 | 4 | 0 | 1 | 19 |
| 1107 | apoptotic peptidase activating factor 1 [Rattus norvegicus], gi\|20137192\|sp\|Q9EPV5.1\|APAF_RAT RecName: Full=Apoptotic protease-activating factor 1; Short=Apaf-1, gi\|11386007\|gb\|AAG35067.1\|AF320222_1 APAF1 [Rattus norvegicus], gi\|149067224\|gb\|EDM16957.1\| a | gi\|13027436 (+5) | 141 | 17 | 4 | 0 | 1 | 16 |
| 1108 | ATP synthase, H+ transporting, mitochondrial F1 complex, gamma subunit [Rattus norvegicus], gi\|37747914\|gb\|AAH59158.1\| ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1 [Rattus norvegicus], gi\|149021018\|gb\|EDL78625.1\| ATP syntha | gi\|39930503 (+2) | 33 | 20 | 0 | 3 | 3 | 17 |
| 1109 | kinesin-associated protein 3 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149058216 (+1) | 86 | 19 | 0 | 7 | 7 | 12 |
| 1110 | calcium binding protein 39 [Rattus norvegicus], gi\|149016314\|gb\|EDL75560.1\| calcium binding protein 39 (predicted), isoform CRA_a [Rattus norvegicus], gi\|149016315\|gb\|EDL75561.1\| calcium binding protein 39 (predicted), isoform CRA_a [Rattus norvegicus], g | gi\|157818343 | 24 | 22 | 1 | 0 | 0 | 22 |
| 1111 | RecName: Full=Cytosolic 5'-nucleotidase III-like protein; Short=cN-III-like protein, gi\|50926874\|gb\|AAH78963.1\| 5'-nucleotidase, cytosolic III-like [Rattus norvegicus] | gi\|81884635 | 34 | 10 | 15 | 0 | 5 | 5 |
| 1112 | PREDICTED: similar to ribosomal protein S13 [Rattus norvegicus] | gi\|109476367 (+2) | 18 | 20 | 0 | 0 | 0 | 20 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1113 | PREDICTED: similar to desmoplakin isoform I isoform 2 [Rattus norvegicus], gi\|109505631\|ref\|XP_001058477.1\| PREDICTED: similar to desmoplakin isoform I isoform 2 [Rattus norvegicus] | gi\|109504778 (+1) | 332 | 8 | 17 | 0 | 5 | 3 |
| 1114 | prefoldin subunit 2 [Rattus norvegicus], gi\|109499039\|ref\|XP_001055378.1\| PREDICTED: similar to Prefoldin subunit 2 isoform 2 [Rattus norvegicus], gi\|187470922\|sp\|B0BN18.1\|PFD2_RAT RecName: Full=Prefoldin subunit 2, gi\|149040686\|gb\|EDL94643.1\| rCG20392, i | gi\|157823115 | 17 | 20 | 4 | 0 | 1 | 19 |
| 1115 | protein phosphatase 3, regulatory subunit B, alpha isoform (calcineurin B, type I), isoform CRA_a [Rattus norvegicus] | gi\|149044720 (+3) | 18 | 26 | 0 | 0 | 0 | 26 |
| 1116 | acetoacetyl-CoA synthetase [Rattus norvegicus], gi\|81906806\|sp\|Q9JMI1.1\|AACS_RAT RecName: Full=Acetoacetyl-CoA synthetase, gi\|6996616\|dbj\|BAA90828.1\| acetoacetyl-CoA synthetase [Rattus norvegicus], gi\|38197367\|gb\|AAH61803.1\| Acetoacetyl-CoA synthetase [Ra | gi\|12831227 | 75 | 7 | 5 | 4 | 6 | 1 |
| 1117 | myo-inositol 1-phosphate synthase A1 [Rattus norvegicus], gi\|172045900\|sp\|Q6AYK3.2\|INO1_RAT RecName: Full=Inositol-3-phosphate synthase 1; AltName: Full=Myo-inositol-1-phosphate synthase; Short=MI-1-P synthase; Short=MIP synthase; Short=IPS, gi\|149036044\| | gi\|189163481 | 61 | 16 | 3 | 1 | 2 | 14 |
| 1118 | vacuolar protein sorting 28 homolog [Rattus norvegicus], gi\|149066083\|gb\|EDM15956.1\| vacuolar protein sorting 28 (yeast) (predicted), isoform CRA_c [Rattus norvegicus] | gi\|194473628 | 25 | 12 | 4 | 5 | 6 | 6 |
| 1119 | RecName: Full=Ras-related protein M-Ras; AltName: Full=Ras-related protein R-Ras3; Flags: Precursor, gi\|2209075\|dbj\|BAA20531.1\| M-Ras [Rattus norvegicus] | gi\|2851409 (+1) | 24 | 19 | 1 | 2 | 2 | 17 |
| 1120 | adenylosuccinate lyase [Rattus norvegicus], gi\|149065868\|gb\|EDM15741.1\| adenylosuccinate lyase (predicted) [Rattus norvegicus] | gi\|194473622 | 55 | 14 | 4 | 0 | 1 | 13 |
| 1121 | ADP-ribosylation factor-like 6 (predicted), isoform CRA_a [Rattus norvegicus], gi\|171846753\|gb\|AAI62029.1\| Arl6 protein [Rattus norvegicus] | gi\|149060273 | 21 | 15 | 7 | 0 | 2 | 13 |
| 1122 | PREDICTED: similar to Rap guanine nucleotide exchange factor (GEF) 1 isoform 3 [Rattus norvegicus] | gi\|109469690 (+1) | 144 | 10 | 6 | 1 | 3 | 7 |
| 1123 | solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 3, isoform CRA_a [Rattus norvegicus] | gi\|149067210 (+2) | 35 | 16 | 0 | 8 | 8 | 8 |
| 1124 | RecName: Full=Ras-related protein Rab-31; AltName: Full=GTP-binding protein Rab0 | gi\|62900806 (+2) | 21 | 21 | 2 | 0 | 1 | 20 |
| 1125 | PREDICTED: similar to ubiquitin protein ligase E3C [Rattus norvegicus], gi\|109472884\|ref\|XP_001055148.1\| PREDICTED: similar to ubiquitin protein ligase E3C [Rattus norvegicus] | gi\|62646604 | 124 | 17 | 0 | 2 | 2 | 15 |
| 1126 | SEC23A [Mus musculus], gi\|157786714\|ref\|NP_001099202.1\| SEC23 homolog A [Rattus norvegicus], gi\|27735257\|sp\|Q01405.2\|SC23A_MOUSE RecName: Full=Protein transport protein Sec23A; AltName: Full=SEC23-related protein A, gi\|21961650\|gb\|AAH34610.1\| SEC23A (S. c | gi\|67906177 | 86 | 14 | 2 | 7 | 8 | 6 |
| 1127 | PREDICTED: similar to CG4996-PA [Rattus norvegicus], gi\|109473023\|ref\|XP_001064458.1\| PREDICTED: similar to CG4996-PA [Rattus norvegicus] | gi\|62646814 | 111 | 15 | 0 | 5 | 5 | 10 |
| 1128 | phosphatidylinositol transfer protein, beta [Rattus norvegicus], gi\|1709739\|sp\|P53812.2\|PIPNB_RAT RecName: Full=Phosphatidylinositol transfer protein beta isoform; Short=PtdIns transfer protein beta; Short=PtdInsTP; Short=PI-TP-beta, gi\|829055\|dbj\|BAA0466 | gi\|16758568 (+2) | 31 | 5 | 9 | 2 | 5 | 0 |
| 1129 | PREDICTED: similar to KIAA0999 protein [Rattus norvegicus] | gi\|109484648 | 143 | 8 | 1 | 5 | 5 | 3 |
| 1130 | erythrocyte protein band 4.1-like 3, isoform CRA_e [Rattus norvegicus] | gi\|149036265 (+1) | 103 | 14 | 3 | 5 | 6 | 8 |
| 1131 | hypothetical protein LOC362483 [Rattus norvegicus], gi\|81884534\|sp\|Q6AY71.1\|CH037_RAT RecName: Full=Uncharacterized protein C8orf37 homolog, gi\|50925747\|gb\|AAH79168.1\| Similar to RIKEN cDNA 2610301B20; EST AI428449 [Rattus norvegicus], gi\|149061056\|gb\|EDM | gi\|56090403 | 24 | 10 | 10 | 2 | 5 | 5 |
| 1132 | SNIP-a [Rattus norvegicus], gi\|149054044\|gb\|EDM05861.1\| SNAP25-interacting protein, isoform CRA_b [Rattus norvegicus] | gi\|6693834 (+1) | 127 | 11 | 1 | 5 | 5 | 6 |
| 1133 | tripartite motif-containing 67 [Rattus norvegicus], gi\|109509065\|ref\|XP_001054626.1\| PREDICTED: similar to tripartite motif-containing 9 [Rattus norvegicus] | gi\|208973282 | 83 | 16 | 0 | 5 | 5 | 11 |
| 1134 | rCG55995 [Rattus norvegicus] | gi\|149036433 | 25 | 21 | 0 | 3 | 3 | 18 |
| 1135 | PREDICTED: similar to armadillo repeat containing 8 [Rattus norvegicus] | gi\|62654169 | 75 | 15 | 0 | 3 | 3 | 12 |
| 1136 | similar to RIKEN cDNA 2810002D13 gene, isoform CRA_a [Rattus norvegicus] | gi\|149023060 (+1) | 26 | 14 | 4 | 0 | 1 | 13 |
| 1137 | glutathione S-transferase, theta 2 [Rattus norvegicus], gi\|1170118\|sp\|P30713.3\|GSTT2_RAT RecName: Full=Glutathione S-transferase theta-2; AltName: Full=GST class-theta-2; AltName: Full=Glutathione S-transferase 12; AltName: Full=GST 12-12; AltName: Full=G | gi\|6980992 | 27 | 12 | 9 | 0 | 3 | 9 |
| 1138 | ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit, isoform CRA_c [Rattus norvegicus] | gi\|149059861 (+1) | 24 | 19 | 0 | 2 | 2 | 17 |
| 1139 | golgi associated, gamma adaptin ear containing, ARF binding protein 1 [Rattus norvegicus], gi\|58477207\|gb\|AAH90031.1\| Golgi associated, gamma adaptin ear containing, ARF binding protein 1 [Rattus norvegicus] | gi\|58865564 | 62 | 16 | 6 | 0 | 2 | 14 |
| 1140 | integrin alpha FG-GAP repeat containing 1 [Rattus norvegicus], gi\|55250565\|gb\|AAH85706.1\| Itfg1 protein [Rattus norvegicus], gi\|149032625\|gb\|EDL87495.1\| rCG44261, isoform CRA_b [Rattus norvegicus], gi\|149032627\|gb\|EDL87497.1\| rCG44261, isoform CRA_b [Ratt | gi\|148227578 | 67 | 20 | 0 | 0 | 0 | 20 |
| 1141 | PREDICTED: hypothetical protein [Rattus norvegicus], gi\|109469732\|ref\|XP_001079909.1\| PREDICTED: hypothetical protein [Rattus norvegicus], gi\|81884031\|sp\|Q63ZV7.1\|CI119_RAT RecName: Full=Uncharacterized protein C9orf119 homolog, gi\|52350647\|gb\|AAH82799.1\| | gi\|109468044 | 10 | 22 | 0 | 0 | 0 | 22 |
| 1142 | RecName: Full=cAMP-dependent protein kinase catalytic subunit alpha; Short=PKA C-alpha, gi\|56912\|emb\|CAA41052.1\| cAMP-dependent protein kinase subunit C alpha [Rattus rattus] | gi\|125207 (+1) | 41 | 14 | 2 | 7 | 8 | 6 |
| 1143 | oxysterol binding protein [Rattus norvegicus], gi\|149062479\|gb\|EDM12902.1\| oxysterol binding protein (predicted) [Rattus norvegicus] | gi\|157821663 | 78 | 15 | 2 | 4 | 5 | 10 |
| 1144 | PREDICTED: similar to bromodomain and WD repeat domain containing 2 [Rattus norvegicus], gi\|109462988\|ref\|XP_001080483.1\| PREDICTED: similar to bromodomain and WD repeat domain containing 2 [Rattus norvegicus] | gi\|109459473 | 136 | 18 | 0 | 6 | 6 | 12 |
| 1145 | PREDICTED: similar to Zinc finger protein 294 (Zfp-294) [Rattus norvegicus], gi\|109493855\|ref\|XP_001066804.1\| PREDICTED: similar to Zinc finger protein 294 (Zfp-294) [Rattus norvegicus] | gi\|109492780 | 202 | 10 | 5 | 3 | 5 | 5 |
| 1146 | actinin, alpha 1 [Rattus norvegicus], gi\|13123942\|sp\|Q9Z1P2.1\|ACTN1_RAT RecName: Full=Alpha-actinin-1; AltName: Full=Alpha-actinin cytoskeletal isoform; AltName: Full=Non-muscle alpha-actinin-1; AltName: Full=F-actin cross-linking protein, gi\|4210985\|gb\|A | gi\|13591902 (+2) | 103 | 9 | 14 | 1 | 5 | 4 |
| 1147 | protein phosphatase 4, regulatory subunit 1, isoform CRA_c [Rattus norvegicus] | gi\|149037380 (+2) | 104 | 14 | 5 | 1 | 3 | 11 |
| 1148 | phenylalanyl-tRNA synthetase, beta subunit [Rattus norvegicus], gi\|51260793\|gb\|AAH79364.1\| Phenylalanyl-tRNA synthetase, beta subunit [Rattus norvegicus] | gi\|51948478 | 66 | 16 | 0 | 6 | 6 | 10 |
| 1149 | hypothetical protein LOC310362 [Rattus norvegicus], gi\|149016523\|gb\|EDL75741.1\| similar to expressed sequence AW549877 (predicted) [Rattus norvegicus] | gi\|197385810 | 29 | 12 | 8 | 5 | 8 | 4 |
| 1150 | mesoderm specific transcript [Rattus norvegicus], gi\|81885227\|sp\|Q6P5P5.1\|MEST_RAT RecName: Full=Mesoderm-specific transcript homolog protein, gi\|38541065\|gb\|AAH62800.1\| Mesoderm specific transcript [Rattus norvegicus] | gi\|57528148 | 39 | 15 | 0 | 4 | 4 | 11 |
| 1151 | RAB4A, member RAS oncogene family [Rattus norvegicus], gi\|38303943\|gb\|AAH62016.1\| RAB4A, member RAS oncogene family [Rattus norvegicus] | gi\|77404180 | 24 | 12 | 8 | 0 | 3 | 9 |
| 1152 | tenascin R, isoform CRA_a [Rattus norvegicus] | gi\|149058290 (+1) | 139 | 15 | 0 | 7 | 7 | 8 |
| 1153 | RecName: Full=Protein DPCD, gi\|149040272\|gb\|EDL94310.1\| similar to CG13901-PA [Rattus norvegicus] | gi\|172045909 | 23 | 20 | 0 | 2 | 2 | 18 |
| 1154 | lysophospholipase 1 [Rattus norvegicus], gi\|41017250\|sp\|P70470.1\|LYPA1_RAT RecName: Full=Acyl-protein thioesterase 1; AltName: Full=Lysophospholipase 1; AltName: Full=Lysophospholipase I, gi\|1552244\|dbj\|BAA09935.1\| lysophospholipase [Rattus norvegicus], g | gi\|6981362 | 25 | 13 | 9 | 0 | 3 | 10 |
| 1155 | methylenetetrahydrofolate dehydrogenase 1 [Rattus norvegicus], gi\|1345633\|sp\|P27653.3\|C1TC_RAT RecName: Full=C-1-tetrahydrofolate synthase, cytoplasmic; Short=C1-THF synthase; Includes: RecName: Full=Methylenetetrahydrofolate dehydrogenase; Includes: RecN | gi\|11968082 (+3) | 101 | 14 | 0 | 5 | 5 | 9 |
| 1156 | nudix-type motif 3 [Rattus norvegicus], gi\|68565629\|sp\|Q566C7.1\|NUDT3_RAT RecName: Full=Diphosphoinositol polyphosphate phosphohydrolase 1; Short=DIPP-1; AltName: Full=Diadenosine 5',5'''-P1,P6-hexaphosphate hydrolase 1; AltName: Full=Nucleoside diphospha | gi\|66730447 | 19 | 6 | 15 | 0 | 5 | 1 |
| 1157 | alpha fetoprotein | gi\|228784 | 68 | 6 | 11 | 0 | 3 | 3 |
| 1158 | p38 mitogen-activated protein kinase alpha1 [Rattus norvegicus] | gi\|13194758 (+3) | 41 | 14 | 0 | 11 | 11 | 3 |
| 1159 | polymerase (RNA) II (DNA directed) polypeptide C [Mus musculus], gi\|60223073\|ref\|NP_001012491.1\| polymerase II polypeptide C [Rattus norvegicus], gi\|12805131\|gb\|AAH02023.1\| Polymerase (RNA) II (DNA directed) polypeptide C [Mus musculus], gi\|59808391\|gb\|AA | gi\|29336059 | 31 | 17 | 0 | 7 | 7 | 10 |
| 1160 | reticulocalbin 2 [Rattus norvegicus], gi\|606968\|gb\|AAA80197.1\| taipoxin-associated calcium binding protein-49 precursor | gi\|8394171 | 37 | 22 | 0 | 0 | 0 | 22 |
| 1161 | serine (or cysteine) peptidase inhibitor, clade A, member 6 [Rattus norvegicus], gi\|205371742\|sp\|P31211.2\|CBG_RAT RecName: Full=Corticosteroid-binding globulin; Short=CBG; AltName: Full=Transcortin; AltName: Full=Serpin A6; Flags: Precursor, gi\|56789211\|g | gi\|57527135 | 45 | 9 | 11 | 0 | 3 | 6 |
| 1162 | stathmin 1 [Rattus norvegicus], gi\|134974\|sp\|P13668.2\|STMN1_RAT RecName: Full=Stathmin; AltName: Full=Phosphoprotein p19; Short=pp19; AltName: Full=Leukemia-associated phosphoprotein p18; AltName: Full=Oncoprotein 18; Short=Op18; AltName: Full=pp17; AltNa | gi\|8393696 | 17 | 12 | 9 | 0 | 3 | 9 |
| 1163 | RNA polymerase II, polypeptide H [Homo sapiens], gi\|21704118\|ref\|NP_663607.1\| polymerase (RNA) II (DNA directed) polypeptide H [Mus musculus], gi\|198278428\|ref\|NP_001128261.1\| polymerase (RNA) II (DNA directed) polypeptide H [Rattus norvegicus], gi\|507523 | gi\|14589953 | 17 | 23 | 1 | 0 | 0 | 23 |
| 1164 | target of myb1 homolog (chicken), isoform CRA_a [Rattus norvegicus] | gi\|149032481 (+1) | 55 | 14 | 3 | 5 | 6 | 8 |
| 1165 | hypothetical protein LOC362115 [Rattus norvegicus], gi\|109469579\|ref\|XP_001078459.1\| PREDICTED: similar to niban protein [Rattus norvegicus], gi\|149038983\|gb\|EDL93203.1\| similar to RIKEN cDNA 9130404D14 [Rattus norvegicus], gi\|195539744\|gb\|AAI68248.1\| Fam | gi\|158081781 | 85 | 11 | 5 | 5 | 7 | 4 |
| 1166 | WD repeat domain 37 [Rattus norvegicus], gi\|149031448\|gb\|EDL86438.1\| WD repeat domain 37 (predicted), isoform CRA_a [Rattus norvegicus], gi\|149031449\|gb\|EDL86439.1\| WD repeat domain 37 (predicted), isoform CRA_a [Rattus norvegicus], gi\|149031450\|gb\|EDL864 | gi\|157822497 | 50 | 14 | 1 | 7 | 7 | 7 |
| 1167 | acyl-Coenzyme A binding domain containing 3 [Rattus norvegicus] | gi\|149040873 (+2) | 60 | 14 | 6 | 4 | 6 | 8 |
| 1168 | F-box protein 21 [Rattus norvegicus], gi\|149063492\|gb\|EDM13815.1\| F-box only protein 21 (predicted) [Rattus norvegicus] | gi\|157820503 | 73 | 16 | 1 | 5 | 5 | 11 |
| 1169 | elongation factor Tu GTP binding domain containing 1 [Rattus norvegicus], gi\|149057408\|gb\|EDM08731.1\| rCG24931 [Rattus norvegicus] | gi\|157820011 | 126 | 15 | 5 | 0 | 2 | 13 |
| 1170 | anaphase promoting complex subunit 2 [Rattus norvegicus], gi\|149039398\|gb\|EDL93618.1\| anaphase promoting complex subunit 2 [Rattus norvegicus], gi\|187469179\|gb\|AAI66796.1\| Anapc2 protein [Rattus norvegicus] | gi\|189217530 | 95 | 16 | 0 | 4 | 4 | 12 |
| 1171 | GRIP1 associated protein 1 [Rattus norvegicus], gi\|76363169\|sp\|Q9JHZ4.1\|GRAP1_RAT RecName: Full=GRIP1-associated protein 1; Short=GRASP-1, gi\|8980841\|gb\|AAF82298.1\|AF274057_1 GRIP-associated protein 1 long form [Rattus norvegicus], gi\|149028442\|gb\|EDL8382 | gi\|16758652 (+1) | 96 | 10 | 7 | 4 | 6 | 4 |
| 1172 | Vps24p protein [Rattus norvegicus], gi\|73917767\|sp\|Q8CGS4.3\|CHMP3_RAT RecName: Full=Charged multivesicular body protein 3; AltName: Full=Chromatin-modifying protein 3; AltName: Full=Vacuolar protein-sorting-associated protein 24; Short=rVps24p, gi\|2598965 | gi\|27229308 | 25 | 9 | 5 | 3 | 5 | 4 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1173 | Paf1, RNA polymerase II associated factor, homolog [Rattus norvegicus], gi\|81908653\|sp\|Q4V886.1\|PAF1_RAT RecName: Full=RNA polymerase II-associated factor 1 homolog, gi\|66911741\|gb\|AAH97494.1\| Paf1, RNA polymerase II associated factor, homolog (S. cerevis | gi\|67846072 | 61 | 18 | 0 | 5 | 5 | 13 |
| 1174 | mitogen activated protein kinase kinase 2, isoform CRA_a [Rattus norvegicus] | gi\|149034454 (+2) | 41 | 11 | 6 | 5 | 7 | 4 |
| 1175 | dachsous 1 [Rattus norvegicus], gi\|149068442\|gb\|EDM17994.1\| dachsous 1 (Drosophila) (predicted) [Rattus norvegicus] | gi\|157823899 | 345 | 4 | 8 | 3 | 6 | 0 |
| 1176 | translocase of outer mitochondrial membrane 34 [Rattus norvegicus], gi\|212275276\|ref\|NP_001130928.1\| hypothetical protein LOC100192033 [Zea mays], gi\|123780638\|sp\|Q3KRD5.1\|TOM34_RAT RecName: Full=Mitochondrial import receptor subunit TOM34; AltName: Full= | gi\|112984308 | 34 | 3 | 17 | 0 | 5 | 0 |
| 1177 | sorting nexin 3 isoform a [Homo sapiens], gi\|31560433\|ref\|NP_059500.2\| sorting nexin 3 [Mus musculus], gi\|112983968\|ref\|NP_001037748.1\| hypothetical protein LOC684097 [Rattus norvegicus], gi\|119331196\|ref\|NP_001073246.1\| sorting nexin 3 [Bos taurus], gi\|1 | gi\|4507143 | 19 | 14 | 3 | 0 | 1 | 13 |
| 1178 | DnaJ (Hsp40) homolog, subfamily C, member 13 [Rattus norvegicus], gi\|149018720\|gb\|EDL77361.1\| DnaJ (Hsp40) homolog, subfamily C, member 13 (predicted) [Rattus norvegicus] | gi\|157817568 | 207 | 12 | 0 | 8 | 8 | 4 |
| 1179 | abl-interactor 1 [Rattus norvegicus], gi\|125858961\|gb\|AAI29093.1\| Abi1 protein [Rattus norvegicus] | gi\|126723350 (+1) | 52 | 15 | 0 | 9 | 9 | 6 |
| 1180 | cyclin-dependent kinase 4 [Rattus norvegicus], gi\|543972\|sp\|P35426.1\|CDK4_RAT RecName: Full=Cell division protein kinase 4; AltName: Full=Cyclin-dependent kinase 4; AltName: Full=PSK-J3, gi\|203392\|gb\|AAA40903.1\| cyclin-dependent kinase 4, gi\|299368\|gb\|AAB | gi\|16758944 | 34 | 15 | 2 | 2 | 3 | 12 |
| 1181 | WD repeat domain 26 [Rattus norvegicus], gi\|149040896\|gb\|EDL94853.1\| similar to myocardial ischemic preconditioning upregulated protein 2 (predicted) [Rattus norvegicus] | gi\|157818723 | 59 | 16 | 0 | 4 | 4 | 12 |
| 1182 | PREDICTED: similar to zinc finger, ZZ type with EF hand domain 1 [Rattus norvegicus], gi\|109491246\|ref\|XP_001080236.1\| PREDICTED: similar to zinc finger, ZZ type with EF hand domain 1 [Rattus norvegicus] | gi\|109488501 | 332 | 12 | 0 | 4 | 4 | 8 |
| 1183 | laminin, alpha 1 [Rattus norvegicus], gi\|149036255\|gb\|EDL90914.1\| laminin, alpha 1 (predicted) [Rattus norvegicus] | gi\|157816959 | 198 | 20 | 0 | 2 | 2 | 18 |
| 1184 | SH3-domain GRB2-like B1 [Rattus norvegicus], gi\|81910882\|sp\|Q6AYE2.1\|SHLB1_RAT RecName: Full=Endophilin-B1; AltName: Full=SH3 domain-containing GRB2-like protein B1, gi\|50925669\|gb\|AAH79085.1\| SH3-domain GRB2-like endophilin B1 [Rattus norvegicus] | gi\|58865428 | 41 | 17 | 1 | 0 | 0 | 17 |
| 1185 | dephosphin short form - rat (fragments) | gi\|480368 | 8 | 14 | 0 | 5 | 5 | 9 |
| 1186 | discs, large homolog-associated protein 4 (Drosophila) [Rattus norvegicus] | gi\|149030812 (+1) | 108 | 21 | 2 | 0 | 1 | 20 |
| 1187 | nitrilase 1 isoform a [Rattus norvegicus], gi\|56268926\|gb\|AAH87146.1\| Nit1 protein [Rattus norvegicus], gi\|149040683\|gb\|EDL94640.1\| nitrilase 1, isoform CRA_b [Rattus norvegicus] | gi\|128485833 (+1) | 36 | 13 | 5 | 0 | 2 | 11 |
| 1188 | RNA helicase [Rattus norvegicus], gi\|81890303\|sp\|Q62780.1\|DDX46_RAT RecName: Full=Probable ATP-dependent RNA helicase DDX46; AltName: Full=DEAD box protein 46; AltName: Full=Helicase of 117.4 kDa, gi\|897915\|gb\|AAC52210.1\| RNA helicase, gi\|78174325\|gb\|AAI0 | gi\|20806137 | 117 | 16 | 0 | 3 | 3 | 13 |
| 1189 | vacuolar protein sorting 45 [Rattus norvegicus], gi\|23396892\|sp\|O08700.1\|VPS45_RAT RecName: Full=Vacuolar protein sorting-associated protein 45; Short=rvps45, gi\|2047326\|gb\|AAB53041.1\| rvps45 [Rattus norvegicus], gi\|51858559\|gb\|AAH81705.1\| Vacuolar protei | gi\|25742604 | 65 | 13 | 0 | 9 | 9 | 4 |
| 1190 | glia maturation factor, beta [Rattus norvegicus], gi\|2842657\|sp\|Q63228.2\|GMFB_RAT RecName: Full=Glia maturation factor beta; Short=GMF-beta, gi\|4379406\|emb\|CAA77650.1\| glia maturation factor beta [Rattus norvegicus], gi\|51859444\|gb\|AAH81778.1\| Glia matura | gi\|13624295 | 17 | 18 | 5 | 0 | 2 | 16 |
| 1191 | golgi SNAP receptor complex member 2 [Rattus norvegicus], gi\|146345427\|sp\|O35165.2\|GOSR2_RAT RecName: Full=Golgi SNAP receptor complex member 2; AltName: Full=27 kDa Golgi SNARE protein; AltName: Full=Membrin, gi\|1907388\|gb\|AAC53131.1\| membrin [Rattus nor | gi\|13928950 | 25 | 19 | 0 | 0 | 0 | 19 |
| 1192 | rCG56755, isoform CRA_b [Rattus norvegicus] | gi\|149031440 (+1) | 27 | 24 | 0 | 0 | 0 | 24 |
| 1193 | isoamyl acetate-hydrolyzing esterase 1 homolog [Rattus norvegicus], gi\|166226260\|sp\|Q711G3.2\|IAH1_RAT RecName: Full=Isoamyl acetate-hydrolyzing esterase 1 homolog; AltName: Full=Hypertrophic agonist-responsive protein B64, gi\|149050995\|gb\|EDM03168.1\| hype | gi\|198278545 | 28 | 10 | 8 | 0 | 3 | 7 |
| 1194 | mevalonate kinase [Rattus norvegicus], gi\|125406\|sp\|P17256.1\|KIME_RAT RecName: Full=Mevalonate kinase; Short=MK, gi\|20151083\|pdb\|1KVK\|A Chain A, The Structure Of Binary Complex Between A Mammalian Mevalonate Kinase And Atp: Insights Into The Reaction Mech | gi\|13592007 | 42 | 15 | 1 | 6 | 6 | 9 |
| 1195 | 26S proteasome subunit S5a [Rattus norvegicus], gi\|38051982\|gb\|AAH60559.1\| Psmd4 protein [Rattus norvegicus] | gi\|9957071 | 41 | 21 | 0 | 2 | 2 | 19 |
| 1196 | synaptotagmin 1 [Rattus norvegicus], gi\|94730428\|sp\|P21707.3\|SYT1_RAT RecName: Full=Synaptotagmin-1; AltName: Full=Synaptotagmin I; Short=SytI; AltName: Full=p65, gi\|39918764\|emb\|CAE85101.1\| synaptotagmin 1 [Rattus rattus], gi\|74229928\|gb\|ABA00482.1\| syna | gi\|148356226 (+3) | 47 | 15 | 0 | 6 | 6 | 9 |
| 1197 | exosome component 4 [Rattus norvegicus], gi\|109482347\|ref\|XP_001071925.1\| PREDICTED: similar to Exosome complex exonuclease RRP41 (Ribosomal RNA-processing protein 41) (Exosome component 4) (p12A) [Rattus norvegicus] | gi\|198442889 | 26 | 19 | 0 | 4 | 4 | 15 |
| 1198 | tubulin folding cofactor E [Rattus norvegicus], gi\|81909645\|sp\|Q5FVQ9.1\|TBCE_RAT RecName: Full=Tubulin-specific chaperone E; AltName: Full=Tubulin-folding cofactor E, gi\|58476460\|gb\|AAH89833.1\| Tubulin folding cofactor E [Rattus norvegicus], gi\|149032547\| | gi\|58865894 | 59 | 13 | 2 | 4 | 5 | 8 |
| 1199 | guanidinoacetate methyltransferase, isoform CRA_a [Rattus norvegicus] | gi\|149034566 (+1) | 26 | 5 | 13 | 0 | 4 | 1 |
| 1200 | kinesin light chain 4 [Rattus norvegicus], gi\|56268906\|gb\|AAH87116.1\| Kinesin light chain 4 [Rattus norvegicus], gi\|149069389\|gb\|EDM18830.1\| kinesin light chain 4, isoform CRA_a [Rattus norvegicus], gi\|149069390\|gb\|EDM18831.1\| kinesin light chain 4, isofo | gi\|57527498 | 69 | 11 | 0 | 3 | 3 | 8 |
| 1201 | syndecan binding protein [Rattus norvegicus], gi\|20455280\|sp\|Q9JI92.1\|SDCB1_RAT RecName: Full=Syntenin-1; AltName: Full=Syndecan-binding protein 1, gi\|9295415\|gb\|AAF86960.1\|AF248548_1 syntenin [Rattus norvegicus], gi\|12214237\|emb\|CAC21602.1\| syntenin-1 pr | gi\|14010891 | 32 | 10 | 7 | 3 | 5 | 5 |
| 1202 | active BCR-related [Rattus norvegicus], gi\|149053445\|gb\|EDM05262.1\| active BCR-related gene (predicted) [Rattus norvegicus] | gi\|157786654 | 98 | 13 | 2 | 6 | 7 | 6 |
| 1203 | Cd200 molecule [Rattus norvegicus], gi\|129300\|sp\|P04218.1\|OX2G_RAT RecName: Full=OX-2 membrane glycoprotein; AltName: Full=MRC OX-2 antigen; AltName: CD_antigen=CD200; Flags: Precursor, gi\|56701\|emb\|CAA25925.1\| MRC OX-2 antigen [Rattus norvegicus], gi\|149 | gi\|13928702 | 31 | 19 | 0 | 2 | 2 | 17 |
| 1204 | DnaJ (Hsp40) homolog, subfamily B, member 1 (predicted), isoform CRA_b [Rattus norvegicus], gi\|166796507\|gb\|AAI59431.1\| Dnajb1 protein [Rattus norvegicus] | gi\|149037907 | 38 | 15 | 0 | 4 | 4 | 11 |
| 1205 | eukaryotic translation initiation factor 2B, subunit 1 alpha [Rattus norvegicus], gi\|2494304\|sp\|Q64270.1\|EI2BA_RAT RecName: Full=Translation initiation factor eIF-2B subunit alpha; AltName: Full=eIF-2B GDP-GTP exchange factor subunit alpha, gi\|623033\|gb\|A | gi\|25282453 | 34 | 19 | 0 | 2 | 2 | 17 |
| 1206 | Chain A, Structure Of Fpt Bound To Inhibitor Sch207736 | gi\|114793517 (+5) | 38 | 19 | 0 | 2 | 2 | 17 |
| 1207 | sorting nexin 6 [Rattus norvegicus], gi\|149051241\|gb\|EDM03414.1\| sorting nexin 6 (predicted) [Rattus norvegicus], gi\|197246598\|gb\|AAI68856.1\| Sorting nexin 6 [Rattus norvegicus] | gi\|157823311 | 47 | 14 | 3 | 0 | 1 | 13 |
| 1208 | RAP2C, member of RAS oncogene family [Mus musculus], gi\|32129209\|ref\|NP_067006.3\| RAP2C, member of RAS oncogene family [Homo sapiens], gi\|115496672\|ref\|NP_001069168.1\| RAP2C, member of RAS oncogene family [Bos taurus], gi\|157819091\|ref\|NP_001100420.1\| RAP | gi\|27369539 | 21 | 17 | 0 | 0 | 0 | 17 |
| 1209 | heterogeneous nuclear ribonucleoprotein A2/B1 isoform A2 [Homo sapiens], gi\|114051756\|ref\|NP_001039440.1\| heterogeneous nuclear ribonucleoprotein A2/B1 [Bos taurus], gi\|73976082\|ref\|XP_863847.1\| PREDICTED: similar to heterogeneous nuclear ribonucleoprotei | gi\|4504447 | 36 | 12 | 0 | 5 | 5 | 7 |
| 1210 | related RAS viral (r-ras) oncogene homolog 2 isoform a [Homo sapiens], gi\|61740635\|ref\|NP_001013452.1\| related RAS viral (r-ras) oncogene homolog 2 [Rattus norvegicus], gi\|149944707\|ref\|NP_001092480.1\| related RAS viral (r-ras) oncogene homolog 2 [Bos tau | gi\|21361416 | 23 | 16 | 0 | 5 | 5 | 11 |
| 1211 | PREDICTED: similar to N-terminal acetyltransferase complex ARD1 subunit homolog A [Rattus norvegicus] | gi\|109462338 | 27 | 11 | 0 | 6 | 6 | 5 |
| 1212 | ribosomal protein L8 [Homo sapiens], gi\|6755358\|ref\|NP_036183.1\| ribosomal protein L8 [Mus musculus], gi\|15431306\|ref\|NP_150644.1\| ribosomal protein L8 [Homo sapiens], gi\|77736197\|ref\|NP_001029797.1\| ribosomal protein L8 [Bos taurus], gi\|78214309\|ref\|NP_0 | gi\|4506663 (+1) | 28 | 9 | 0 | 3 | 3 | 6 |
| 1213 | hypothetical protein LOC499782 [Rattus norvegicus], gi\|109510396\|ref\|XP_001056336.1\| PREDICTED: similar to 60S ribosomal protein L12 [Rattus norvegicus], gi\|109511446\|ref\|XP_001054256.1\| PREDICTED: similar to 60S ribosomal protein L12 [Rattus norvegicus], | gi\|157822227 | 18 | 20 | 2 | 0 | 1 | 19 |
| 1214 | magnesium-dependent phosphatase 1 [Rattus norvegicus], gi\|149063990\|gb\|EDM14260.1\| similar to magnesium-dependent phosphatase-1 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|157823059 | 19 | 9 | 11 | 0 | 3 | 6 |
| 1215 | Trafficking protein particle complex 4 [Rattus norvegicus], gi\|149041469\|gb\|EDL95310.1\| rCG58353, isoform CRA_e [Rattus norvegicus] | gi\|71051670 | 24 | 12 | 0 | 7 | 7 | 5 |
| 1216 | retinoic acid induced 12 [Rattus norvegicus], gi\|81863783\|sp\|Q6IUP3.1\|DERP6_RAT RecName: Full=Dermal papilla-derived protein 6 homolog, gi\|48237488\|gb\|AAT40590.1\| DERP6 [Rattus norvegicus], gi\|149053128\|gb\|EDM04945.1\| dermal papilla derived protein 6, iso | gi\|48843729 | 35 | 19 | 0 | 2 | 2 | 17 |
| 1217 | sulfotransferase family 4A, member 1 [Rattus norvegicus], gi\|34328449\|ref\|NP_038901.3\| sulfotransferase family 4A, member 1 [Mus musculus], gi\|51703303\|sp\|P63047.1\|ST4A1_RAT RecName: Full=Sulfotransferase 4A1; AltName: Full=Brain sulfotransferase-like pro | gi\|13928882 (+1) | 33 | 14 | 6 | 0 | 2 | 12 |
| 1218 | amylo-1,6-glucosidase, 4-alpha-glucanotransferase [Rattus norvegicus], gi\|149025802\|gb\|EDL82045.1\| amylo-1, 6-glucosidase, 4-alpha-glucanotransferase (glycogen debranching enzyme, glycogen storage disease type III) (predicted), isoform CRA_a [Rattus norve | gi\|157819187 | 174 | 16 | 4 | 0 | 1 | 15 |
| 1219 | phospholipid hydroperoxide glutathione peroxidase [Rattus norvegicus], gi\|1585295\|prf\|\|2124383A phospholipid hydroperoxide glutathione peroxidase | gi\|1041645 | 19 | 16 | 4 | 0 | 1 | 15 |
| 1220 | similar to hypothetical protein (predicted) [Rattus norvegicus] | gi\|149021445 (+1) | 128 | 13 | 0 | 8 | 8 | 5 |
| 1221 | PREDICTED: similar to protein kinase C-binding protein NELL2 [Rattus norvegicus] | gi\|109482804 (+4) | 56 | 19 | 2 | 0 | 1 | 18 |
| 1222 | heterogeneous nuclear ribonucleoprotein U-like 1 [Rattus norvegicus], gi\|149056565\|gb\|EDM07996.1\| heterogeneous nuclear ribonucleoprotein U-like 1 (predicted) [Rattus norvegicus] | gi\|157824105 | 96 | 14 | 1 | 0 | 0 | 14 |
| 1223 | transmembrane protein 2 [Rattus norvegicus], gi\|149062586\|gb\|EDM13009.1\| transmembrane protein 2 (predicted) [Rattus norvegicus] | gi\|157817531 | 153 | 15 | 0 | 0 | 0 | 15 |
| 1224 | hydroxysteroid (17-beta) dehydrogenase 10 [Rattus norvegicus], gi\|6523787\|gb\|AAF14853.1\|AF069770_1 17beta-hydroxysteroid dehydrogenase type 10/short chain L-3-hydroxyacyl-CoA dehydrogenase [Rattus norvegicus], gi\|149031312\|gb\|EDL86310.1\| hydroxyacyl-Coenz | gi\|13994225 (+2) | 27 | 22 | 0 | 0 | 0 | 22 |
| 1225 | lipocortin I [Rattus sp.] | gi\|235879 (+1) | 39 | 18 | 2 | 0 | 1 | 17 |
| 1226 | PREDICTED: similar to riboflavin kinase [Rattus norvegicus], gi\|109470376\|ref\|XP_001079189.1\| PREDICTED: similar to riboflavin kinase [Rattus norvegicus] | gi\|109468486 (+1) | 25 | 21 | 2 | 0 | 1 | 20 |
| 1227 | Ab1-205 [Rattus norvegicus] | gi\|33086478 (+1) | 83 | 22 | 0 | 0 | 0 | 22 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1228 | cadherin 13 [Rattus norvegicus], gi\|20162485\|gb\|AAM14607.1\|AF494095_1 T-cadherin [Rattus norvegicus], gi\|55249666\|gb\|AAH85699.1\| Cadherin 13 [Rattus norvegicus], gi\|149038298\|gb\|EDL92658.1\| cadherin 13 [Rattus norvegicus] | gi\|20302073 | 78 | 10 | 1 | 1 | 1 | 9 |
| 1229 | protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2 [Rattus norvegicus], gi\|149067045\|gb\|EDM16778.1\| protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), al | gi\|157824053 | 143 | 15 | 3 | 3 | 4 | 11 |
| 1230 | aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase (predicted), isoform CRA_b [Rattus norvegicus], gi\|187469697\|gb\|AAI66800.1\| Aasdhppt protein [Rattus norvegicus] | gi\|149030154 | 36 | 7 | 9 | 2 | 5 | 2 |
| 1231 | PREDICTED: similar to ATP-binding cassette sub-family F member 1 (ATP-binding cassette 50) [Rattus norvegicus] | gi\|109509122 | 93 | 10 | 1 | 4 | 4 | 6 |
| 1232 | replication protein A1 [Rattus norvegicus] | gi\|149053388 | 65 | 8 | 12 | 2 | 6 | 2 |
| 1233 | WD repeat domain 54 [Rattus norvegicus], gi\|149036510\|gb\|EDL91128.1\| similar to D3Mm3e (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157823545 | 36 | 10 | 3 | 3 | 4 | 6 |
| 1234 | PREDICTED: similar to ADAMTS-9 precursor (A disintegrin and metalloproteinase with thrombospondin motifs 9) (ADAM-TS 9) (ADAM-TS9) [Rattus norvegicus] | gi\|109471763 (+1) | 184 | 18 | 0 | 2 | 2 | 16 |
| 1235 | phosducin-like 3 [Rattus norvegicus], gi\|110815908\|sp\|Q4KLJ8.1\|PDCL3_RAT RecName: Full=Phosducin-like protein 3, gi\|68533843\|gb\|AAH99162.1\| Phosducin-like 3 [Rattus norvegicus], gi\|149046312\|gb\|EDL99205.1\| phosducin-like 3, isoform CRA_b [Rattus norvegicu | gi\|71043634 | 28 | 16 | 0 | 4 | 4 | 12 |
| 1236 | exosome component 8 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149064770 | 30 | 15 | 2 | 3 | 4 | 11 |
| 1237 | Mannosidase, alpha, class 2C, member 1 [Rattus norvegicus] | gi\|56540863 | 116 | 12 | 0 | 5 | 5 | 7 |
| 1238 | histone acetyltransferase 1 [Rattus norvegicus], gi\|81883142\|sp\|Q5M939.1\|HAT1_RAT RecName: Full=Histone acetyltransferase type B catalytic subunit, gi\|56585068\|gb\|AAH87663.1\| Histone acetyltransferase 1 [Rattus norvegicus] | gi\|57527084 | 49 | 12 | 3 | 2 | 3 | 9 |
| 1239 | PREDICTED: hypothetical protein [Rattus norvegicus] | gi\|109464286 (+1) | 73 | 9 | 4 | 5 | 6 | 3 |
| 1240 | general transcription factor IIB [Rattus norvegicus], gi\|21704076\|ref\|NP_663521.1\| general transcription factor IIB [Mus musculus], gi\|51703316\|sp\|P62916.1\|TF2B_RAT RecName: Full=Transcription initiation factor IIB; AltName: Full=General transcription fac | gi\|13591965 | 35 | 12 | 6 | 4 | 6 | 6 |
| 1241 | four and a half LIM domains 1 isoform 1 [Rattus norvegicus], gi\|38512114\|gb\|AAH61782.1\| Four and a half LIM domains 1 [Rattus norvegicus], gi\|149015816\|gb\|EDL75140.1\| four and a half LIM domains 1, isoform CRA_b [Rattus norvegicus] | gi\|76781465 (+1) | 34 | 11 | 3 | 3 | 4 | 7 |
| 1242 | eukaryotic translation initiation factor 3, subunit 5 (epsilon) (predicted), isoform CRA_c [Rattus norvegicus], gi\|149068378\|gb\|EDM17930.1\| eukaryotic translation initiation factor 3, subunit 5 (epsilon) (predicted), isoform CRA_e [Rattus norvegicus] | gi\|149068376 | 26 | 11 | 0 | 1 | 1 | 10 |
| 1243 | unc-119 homolog B [Rattus norvegicus], gi\|149063583\|gb\|EDM13906.1\| similar to Unc-119 protein homolog (Retinal protein 4) (RRG4) (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157786930 | 28 | 13 | 0 | 5 | 5 | 8 |
| 1244 | glycerophosphodiester phosphodiesterase domain containing 1 [Rattus norvegicus], gi\|115502209\|sp\|Q0VGK4.1\|GDPD1_RAT RecName: Full=Glycerophosphodiester phosphodiesterase domain-containing protein 1, gi\|111493981\|gb\|AAI05621.1\| Glycerophosphodiester phosph | gi\|112982914 | 36 | 17 | 0 | 1 | 1 | 16 |
| 1245 | type II keratin Kb15 [Rattus norvegicus], gi\|46485029\|tpg\|DAA02236.1\| TPA_exp: type II keratin Kb15 [Rattus norvegicus] | gi\|114145409 (+1) | 58 | 13 | 9 | 0 | 3 | 10 |
| 1246 | rCG30218, isoform CRA_a [Rattus norvegicus] | gi\|149049362 | 29 | 13 | 2 | 0 | 1 | 12 |
| 1247 | calcium modulating ligand [Rattus norvegicus], gi\|10644766\|gb\|AAG21394.1\|AF302085_1 calcium-modulating cyclophilin ligand [Rattus norvegicus] | gi\|16758044 (+1) | 33 | 17 | 0 | 3 | 3 | 14 |
| 1248 | lethal, Chr 7, Rinchik 6 [Mus musculus], gi\|81906188\|sp\|Q9DD02.1\|CK073_MOUSE RecName: Full=Uncharacterized protein C11orf73 homolog; AltName: Full=Lethal gene on chromosome 7 Rinchik 6 protein, gi\|12832191\|dbj\|BAB22001.1\| unnamed protein product [Mus musc | gi\|13399318 | 22 | 17 | 4 | 0 | 1 | 16 |
| 1249 | similar to Dual specificity protein phosphatase 3 (T-DSP11) (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149054346 (+1) | 23 | 10 | 9 | 0 | 3 | 7 |
| 1250 | ubiquilin 4 [Rattus norvegicus], gi\|149048123\|gb\|EDM00699.1\| ubiquilin 4 (predicted) [Rattus norvegicus] | gi\|157818715 | 64 | 17 | 0 | 1 | 1 | 16 |
| 1251 | Ras-related GTP binding A [Homo sapiens], gi\|16758868\|ref\|NP_446425.1\| Ras-related GTP-binding protein ragA [Rattus norvegicus], gi\|31541819\|ref\|NP_848463.1\| Ras-related GTP binding A [Mus musculus], gi\|78369202\|ref\|NP_001030576.1\| Ras-related GTP binding | gi\|5729999 | 37 | 20 | 0 | 1 | 1 | 19 |
| 1252 | hypothetical protein LOC310358 [Rattus norvegicus], gi\|149016519\|gb\|EDL75737.1\| similar to RIKEN cDNA B130016O10 gene (predicted) [Rattus norvegicus] | gi\|157818229 | 36 | 9 | 10 | 0 | 3 | 6 |
| 1253 | rCG32122, isoform CRA_a [Rattus norvegicus] | gi\|149042824 (+1) | 36 | 15 | 3 | 0 | 1 | 14 |
| 1254 | sepiapterin reductase [Rattus norvegicus], gi\|134847\|sp\|P18297.1\|SPRE_RAT RecName: Full=Sepiapterin reductase; Short=SPR, gi\|149036562\|gb\|EDL91180.1\| rCG56371 [Rattus norvegicus], gi\|187469059\|gb\|AAI66809.1\| Sepiapterin reductase (7,8-dihydrobiopterin:NAD | gi\|158711683 (+1) | 28 | 5 | 13 | 0 | 4 | 1 |
| 1255 | sideroflexin 3 [Rattus norvegicus], gi\|20139873\|sp\|Q9JHY2.1\|SFXN3_RAT RecName: Full=Sideroflexin-3, gi\|8650526\|gb\|AAF78249.1\|AF276997_1 tricarboxylate carrier-like protein [Rattus norvegicus] | gi\|12621120 (+2) | 35 | 13 | 0 | 5 | 5 | 8 |
| 1256 | rCG45476, isoform CRA_a [Rattus norvegicus] | gi\|149039237 (+2) | 30 | 12 | 0 | 5 | 5 | 7 |
| 1257 | rCG44226 [Rattus norvegicus] | gi\|149045109 | 51 | 11 | 0 | 9 | 9 | 2 |
| 1258 | eukaryotic translation initiation factor 4E [Rattus norvegicus], gi\|83627717\|ref\|NP_031943.3\| eukaryotic translation initiation factor 4E [Mus musculus], gi\|52001071\|sp\|P63074.1\|IF4E_RAT RecName: Full=Eukaryotic translation initiation factor 4E; Short=eIF | gi\|16758870 | 25 | 10 | 4 | 0 | 1 | 9 |
| 1259 | 3-oxoacid CoA transferase 1 [Rattus norvegicus], gi\|205829936\|sp\|B2GV06.1\|SCOT1_RAT RecName: Full=Succinyl-CoA:3-ketoacid-coenzyme A transferase 1, mitochondrial; AltName: Full=3-oxoacid-CoA transferase 1; AltName: Full=Somatic-type succinyl CoA:3-oxoacid | gi\|189181716 | 56 | 19 | 0 | 0 | 0 | 19 |
| 1260 | cytochrome b5 type B (outer mitochondrial membrane) [Rattus norvegicus], gi\|12643974\|sp\|P04166.2\|CYB5B_RAT RecName: Full=Cytochrome b5 type B; AltName: Full=Cytochrome b5 outer mitochondrial membrane isoform; Flags: Precursor, gi\|2253161\|emb\|CAA73117.1\| c | gi\|13399338 | 16 | 22 | 0 | 0 | 0 | 22 |
| 1261 | transmembrane protein 103 [Rattus norvegicus], gi\|206557823\|sp\|B2RYG8.1\|CC075_RAT RecName: Full=UPF0405 protein C3orf75 homolog; AltName: Full=Protein TMEM103, gi\|149018446\|gb\|EDL77087.1\| transmembrane protein 103 (predicted) [Rattus norvegicus], gi\|18746 | gi\|157817755 | 29 | 21 | 0 | 0 | 0 | 21 |
| 1262 | hepatoma-derived growth factor [Rattus norvegicus], gi\|52788205\|sp\|Q8VHK7.2\|HDGF_RAT RecName: Full=Hepatoma-derived growth factor; Short=HDGF, gi\|14718640\|gb\|AAK72966.1\|AF389348_1 HDGF [Rattus norvegicus], gi\|47477847\|gb\|AAH70943.1\| Hepatoma-derived growt | gi\|16758528 | 26 | 0 | 20 | 0 | 6 | 0 |
| 1263 | PREDICTED: similar to ribosomal protein S15a [Rattus norvegicus], gi\|109462843\|ref\|XP_001079709.1\| PREDICTED: similar to ribosomal protein S15a [Rattus norvegicus] | gi\|109459378 (+2) | 14 | 16 | 0 | 0 | 0 | 16 |
| 1264 | phosphoprotein enriched in astrocytes 15 [Homo sapiens], gi\|61557370\|ref\|NP_001013249.1\| phosphoprotein enriched in astrocytes 15A [Rattus norvegicus], gi\|115495869\|ref\|NP_001068924.1\| phosphoprotein enriched in astrocytes 15 [Bos taurus], gi\|197100238\|re | gi\|4505705 | 15 | 22 | 0 | 0 | 0 | 22 |
| 1265 | glomulin, FKBP associated protein [Rattus norvegicus], gi\|149028634\|gb\|EDL83975.1\| FKBP-associated protein, isoform CRA_a [Rattus norvegicus], gi\|149028635\|gb\|EDL83976.1\| FKBP-associated protein, isoform CRA_a [Rattus norvegicus] | gi\|157821959 | 68 | 12 | 2 | 4 | 5 | 7 |
| 1266 | RAB3B, member RAS oncogene family [Rattus norvegicus], gi\|6093900\|sp\|Q63941.2\|RAB3B_RAT RecName: Full=Ras-related protein Rab-3B, gi\|2251196\|emb\|CAA74341.1\| Rab3B protein [Rattus norvegicus], gi\|149035702\|gb\|EDL90383.1\| RAB3B, member RAS oncogene family, | gi\|13592037 | 25 | 10 | 5 | 3 | 5 | 5 |
| 1267 | inositol polyphosphate-4-phosphatase, type 1 [Rattus norvegicus], gi\|73920061\|sp\|Q62784.1\|INP4A_RAT RecName: Full=Type I inositol-3,4-bisphosphate 4-phosphatase; AltName: Full=Inositol polyphosphate 4-phosphatase type I, gi\|944913\|gb\|AAB01069.1\| inositol | gi\|215272386 | 106 | 12 | 3 | 5 | 6 | 6 |
| 1268 | signal transducing adaptor molecule (SH3 domain and ITAM motif) 1 [Rattus norvegicus], gi\|149021124\|gb\|EDL78731.1\| rCG55706 [Rattus norvegicus], gi\|197246851\|gb\|AAI68933.1\| Signal transducing adaptor molecule (SH3 domain and ITAM motif) 1 [Rattus norvegic | gi\|157819901 | 60 | 13 | 2 | 1 | 2 | 11 |
| 1269 | fat mass and obesity associated [Rattus norvegicus], gi\|123779274\|sp\|Q2A121.1\|FTO_RAT RecName: Full=Protein fto; AltName: Full=Fat mass and obesity-associated protein, gi\|89179153\|emb\|CAJ80872.1\| Fatso protein [Rattus norvegicus], gi\|195539738\|gb\|AAI68239 | gi\|89337260 | 58 | 7 | 9 | 2 | 5 | 2 |
| 1270 | activated leukocyte cell adhesion molecule [Rattus norvegicus], gi\|47605356\|sp\|O35112.1\|CD166_RAT RecName: Full=CD166 antigen; AltName: Full=Activated leukocyte cell adhesion molecule; AltName: Full=Protein MEMD; AltName: Full=HB2; AltName: Full=SB-10 ant | gi\|13929058 (+1) | 65 | 17 | 0 | 2 | 2 | 15 |
| 1271 | Rho GTPase activating protein 1 (predicted), isoform CRA_b [Rattus norvegicus], gi\|149022644\|gb\|EDL79538.1\| Rho GTPase activating protein 1 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149022642 | 32 | 7 | 4 | 3 | 4 | 3 |
| 1272 | PREDICTED: similar to N-ethylmaleimide sensitive fusion protein attachment protein beta [Rattus norvegicus], gi\|109470977\|ref\|XP_001057340.1\| PREDICTED: similar to N-ethylmaleimide sensitive fusion protein attachment protein beta [Rattus norvegicus] | gi\|62645998 | 40 | 14 | 1 | 0 | 0 | 14 |
| 1273 | hypothetical protein LOC366311 [Rattus norvegicus], gi\|149061042\|gb\|EDM11652.1\| rCG30484, isoform CRA_a [Rattus norvegicus], gi\|149061044\|gb\|EDM11654.1\| rCG30484, isoform CRA_a [Rattus norvegicus], gi\|149061045\|gb\|EDM11655.1\| rCG30484, isoform CRA_a [Ratt | gi\|157822747 | 41 | 6 | 10 | 1 | 4 | 2 |
| 1274 | guanosine monophosphate reductase 2 [Rattus norvegicus] | gi\|149063995 (+1) | 38 | 13 | 0 | 1 | 1 | 12 |
| 1275 | translocated promoter region [Rattus norvegicus] | gi\|149058426 | 191 | 10 | 7 | 3 | 5 | 5 |
| 1276 | exocyst complex component 8 [Rattus norvegicus], gi\|81886761\|sp\|O54924.1\|EXOC8_RAT RecName: Full=Exocyst complex component 8; AltName: Full=Exocyst complex 84 kDa subunit, gi\|2827164\|gb\|AAC01581.1\| exo84 [Rattus norvegicus], gi\|149043214\|gb\|EDL96746.1\| ex | gi\|20514778 | 81 | 14 | 0 | 1 | 1 | 13 |
| 1277 | rCG62645, isoform CRA_b [Rattus norvegicus], gi\|165971324\|gb\|AAI58877.1\| Apoa1bp protein [Rattus norvegicus] | gi\|149048164 (+1) | 31 | 10 | 9 | 0 | 3 | 7 |
| 1278 | SEC22 vesicle trafficking protein-like 1 [Mus musculus], gi\|71043604\|ref\|NP_001020857.1\| SEC22 vesicle trafficking protein homolog B [Rattus norvegicus], gi\|197101735\|ref\|NP_001125720.1\| SEC22 vesicle trafficking protein homolog B [Pongo abelii], gi\|10901 | gi\|6755448 | 25 | 14 | 2 | 4 | 5 | 9 |
| 1279 | PREDICTED: similar to leucine rich repeat containing 4B [Rattus norvegicus], gi\|109461847\|ref\|XP_001077685.1\| PREDICTED: similar to leucine rich repeat containing 4B [Rattus norvegicus] | gi\|34856020 | 76 | 17 | 0 | 0 | 0 | 17 |
| 1280 | ribosomal protein L9 [Rattus norvegicus], gi\|133033\|sp\|P17077.1\|RL9_RAT RecName: Full=60S ribosomal protein L9, gi\|57706\|emb\|CAA36002.1\| unnamed protein product [Rattus rattus], gi\|55824704\|gb\|AAH86561.1\| Ribosomal protein L9 [Rattus norvegicus], gi\|14903 | gi\|145207974 (+2) | 22 | 15 | 0 | 6 | 6 | 9 |
| 1281 | kalirin, RhoGEF kinase [Rattus norvegicus], gi\|160380715\|sp\|P97924.3\|KALRN_RAT RecName: Full=Kalirin; AltName: Full=Huntingtin-associated protein-interacting protein; AltName: Full=Protein Duo; AltName: Full=Serine/threonine kinase with Dbl- and pleckstri | gi\|14091744 (+1) | 337 | 13 | 1 | 3 | 3 | 10 |
| 1282 | phosphatidylinositol glycan anchor biosynthesis, class S [Rattus norvegicus], gi\|62286959\|sp\|Q5XI31.3\|PIGS_RAT RecName: Full=GPI transamidase component PIG-S; AltName: Full=Phosphatidylinositol-glycan biosynthesis class S protein, gi\|54035333\|gb\|AAH83862. | gi\|54633340 | 62 | 17 | 0 | 3 | 3 | 14 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1283 | hypothetical protein LOC292139 [Rattus norvegicus], gi\|156637367\|sp\|A0MZ67.1\|SHOT1_RAT RecName: Full=Shootin-1, gi\|117667954\|gb\|ABK56023.1\| shootin2 [Rattus norvegicus], gi\|149040514\|gb\|EDL94552.1\| similar to 4930506M07Rik protein (predicted), isoform CRA | gi\|119508806 | 71 | 14 | 0 | 0 | 0 | 14 |
| 1284 | hypothetical protein LOC289400 [Rattus norvegicus], gi\|149058504\|gb\|EDM09661.1\| similar to KIAA1078 protein (predicted) [Rattus norvegicus] | gi\|197386168 | 166 | 4 | 5 | 3 | 5 | 0 |
| 1285 | hypothetical protein LOC308568 [Rattus norvegicus], gi\|38014715\|gb\|AAH60592.1\| Similar to RIKEN cDNA 2410002F23 [Rattus norvegicus] | gi\|62078767 | 28 | 16 | 0 | 5 | 5 | 11 |
| 1286 | ribophorin II, isoform CRA_a [Rattus norvegicus] | gi\|149043116 (+1) | 65 | 19 | 0 | 0 | 0 | 19 |
| 1287 | syntaxin 6 [Rattus norvegicus], gi\|2501094\|sp\|Q63635.1\|STX6_RAT RecName: Full=Syntaxin-6, gi\|1488683\|gb\|AAC52709.1\| syntaxin 6, gi\|51858907\|gb\|AAH81769.1\| Syntaxin 6 [Rattus norvegicus] | gi\|13928922 | 29 | 16 | 0 | 4 | 4 | 12 |
| 1288 | malic enzyme 1 [Rattus norvegicus] | gi\|149018984 (+2) | 55 | 18 | 0 | 0 | 0 | 18 |
| 1289 | PREDICTED: similar to TATA-binding protein-associated factor 172 (ATP-dependent helicase BTAF1) (TBP-associated factor 172) (TAF-172) (TAF(II)170) (B-TFIID transcription factor-associated 170 kDa subunit) [Rattus norvegicus], gi\|109463837\|ref\|XP_001080159 | gi\|109460086 | 207 | 4 | 15 | 0 | 5 | 0 |
| 1290 | cell adhesion molecule 4 [Rattus norvegicus], gi\|123778954\|sp\|Q1WIM1.1\|CADM4_RAT RecName: Full=Cell adhesion molecule 4; AltName: Full=Immunoglobulin superfamily member 4C; AltName: Full=Nectin-like protein 4; Flags: Precursor, gi\|82619338\|gb\|ABB85364.1\| | gi\|114052915 | 43 | 19 | 0 | 0 | 0 | 19 |
| 1291 | MOB1, Mps One Binder kinase activator-like 2A [Rattus norvegicus], gi\|149034510\|gb\|EDL89247.1\| MOB1, Mps One Binder kinase activator-like 2B (yeast) (predicted), isoform CRA_a [Rattus norvegicus], gi\|149034512\|gb\|EDL89249.1\| MOB1, Mps One Binder kinase ac | gi\|157823747 | 26 | 11 | 1 | 0 | 0 | 11 |
| 1292 | histone deacetylase 2 [Rattus norvegicus], gi\|149032950\|gb\|EDL87791.1\| histone deacetylase 2 [Rattus norvegicus] | gi\|208022663 | 55 | 12 | 0 | 7 | 7 | 5 |
| 1293 | FERM, RhoGEF (Arhgef) and pleckstrin domain protein 1 (chondrocyte-derived) [Rattus norvegicus], gi\|149050235\|gb\|EDM02559.1\| FERM, RhoGEF (Arhgef) and pleckstrin domain protein 1 (chondrocyte-derived) (predicted) [Rattus norvegicus] | gi\|157822917 | 119 | 9 | 0 | 3 | 3 | 6 |
| 1294 | Ras homolog enriched in brain [Rattus norvegicus], gi\|57097443\|ref\|XP_532768.1\| PREDICTED: similar to GTP-binding protein Rheb (Ras homolog enriched in brain) [Canis familiaris], gi\|194666609\|ref\|XP_001787150.1\| PREDICTED: hypothetical protein [Bos taurus | gi\|6981476 | 20 | 15 | 2 | 0 | 1 | 14 |
| 1295 | PRA1 domain family, member 2 [Rattus norvegicus], gi\|149028448\|gb\|EDL83833.1\| PRA1 domain family 2 (predicted) [Rattus norvegicus] | gi\|157823972 | 19 | 17 | 0 | 0 | 0 | 17 |
| 1296 | ubiquitin-conjugating enzyme E2N [Rattus norvegicus], gi\|77417616\|sp\|Q9EQX9.1\|UBE2N_RAT RecName: Full=Ubiquitin-conjugating enzyme E2 N; AltName: Full=Ubiquitin-protein ligase N; AltName: Full=Ubiquitin carrier protein N; AltName: Full=Bendless-like ubiqu | gi\|16758810 | 17 | 8 | 6 | 0 | 2 | 6 |
| 1297 | RecName: Full=G-protein coupled receptor 56; Flags: Precursor, gi\|22255986\|gb\|AAM94855.1\| G protein-coupled receptor 56 [Rattus norvegicus] | gi\|45476764 | 77 | 20 | 0 | 0 | 0 | 20 |
| 1298 | isocitrate dehydrogenase 3 (NAD+) alpha, isoform CRA_a [Rattus norvegicus] | gi\|149041699 (+4) | 41 | 19 | 0 | 0 | 0 | 19 |
| 1299 | BTB (POZ) domain containing 17 [Rattus norvegicus], gi\|149054729\|gb\|EDM06546.1\| similar to CG1841-PA, isoform A (predicted), isoform CRA_b [Rattus norvegicus] | gi\|197385182 | 55 | 4 | 0 | 4 | 4 | 0 |
| 1300 | saccharopine dehydrogenase (putative) [Rattus norvegicus], gi\|73919297\|sp\|Q6AY30.1\|SCPDH_RAT RecName: Full=Probable saccharopine dehydrogenase, gi\|50925783\|gb\|AAH79215.1\| Saccharopine dehydrogenase (putative) [Rattus norvegicus], gi\|149040855\|gb\|EDL94812. | gi\|62078699 | 47 | 20 | 0 | 0 | 0 | 20 |
| 1301 | 5'-AMP-activated protein kinase, gamma-1 subunit | gi\|1335860 (+2) | 37 | 12 | 4 | 1 | 2 | 10 |
| 1302 | rCG47917, isoform CRA_b [Rattus norvegicus] | gi\|149062107 (+1) | 82 | 12 | 4 | 2 | 3 | 9 |
| 1303 | dihydroxyacetone kinase 2 homolog [Rattus norvegicus], gi\|85718638\|sp\|Q4KLZ6.1\|DHAK_RAT RecName: Full=Bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing); Includes: RecName: Full=ATP-dependent dihydroxyacetone kinase; Short=DHA ki | gi\|84781664 | 59 | 13 | 5 | 0 | 2 | 11 |
| 1304 | cofactor of BRCA1 [Rattus norvegicus], gi\|149039415\|gb\|EDL93635.1\| similar to cofactor of BRCA1; negative elongation factor protein B (predicted), isoform CRA_b [Rattus norvegicus] | gi\|165377254 | 66 | 13 | 1 | 3 | 3 | 10 |
| 1305 | vacuolar protein sorting 37 homolog B [Rattus norvegicus], gi\|149063285\|gb\|EDM13608.1\| vacuolar protein sorting 37B (yeast) (predicted), isoform CRA_b [Rattus norvegicus] | gi\|157786918 | 31 | 15 | 2 | 3 | 4 | 11 |
| 1306 | RAB, member of RAS oncogene family-like 4 [Rattus norvegicus], gi\|149066017\|gb\|EDM15890.1\| RAB, member of RAS oncogene family-like 4 (predicted) [Rattus norvegicus], gi\|195539923\|gb\|AAI68150.1\| Rabl4 protein [Rattus norvegicus] | gi\|194473634 | 21 | 12 | 4 | 0 | 1 | 11 |
| 1307 | similar to KIAA2010 protein (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149025363 | 94 | 8 | 8 | 3 | 6 | 2 |
| 1308 | ribosomal protein L5 [Rattus norvegicus], gi\|1173056\|sp\|P09895.3\|RL5_RAT RecName: Full=60S ribosomal protein L5, gi\|57125\|emb\|CAA29506.1\| unnamed protein product [Rattus norvegicus], gi\|38014831\|gb\|AAH60561.1\| Ribosomal protein L5 [Rattus norvegicus], gi\| | gi\|13592051 (+1) | 34 | 10 | 3 | 6 | 7 | 3 |
| 1309 | NOL1/NOP2/Sun domain family, member 2 [Rattus norvegicus], gi\|149032756\|gb\|EDL87611.1\| NOL1/NOP2/Sun domain family, member 2 (predicted) [Rattus norvegicus] | gi\|157822221 | 88 | 7 | 4 | 4 | 5 | 2 |
| 1310 | ribophorin I, isoform CRA_a [Rattus norvegicus] | gi\|149036687 (+2) | 68 | 16 | 0 | 1 | 1 | 15 |
| 1311 | guanine nucleotide binding protein (G protein), beta polypeptide 4 [Rattus norvegicus], gi\|62906844\|sp\|O35353.4\|GBB4_RAT RecName: Full=Guanine nucleotide-binding protein subunit beta-4; AltName: Full=Transducin beta chain 4, gi\|45359810\|gb\|AAS59142.1\| G-p | gi\|62078551 | 37 | 14 | 0 | 5 | 5 | 9 |
| 1312 | stromal cell derived factor receptor 1, isoform CRA_a [Rattus norvegicus] | gi\|149041842 (+4) | 44 | 14 | 0 | 1 | 1 | 13 |
| 1313 | target of myb1-like 2 (chicken) (predicted), isoform CRA_b [Rattus norvegicus], gi\|149052820\|gb\|EDM04637.1\| target of myb1-like 2 (chicken) (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149052819 (+1) | 31 | 11 | 4 | 3 | 4 | 7 |
| 1314 | podocalyxin-like 2 [Rattus norvegicus], gi\|149036702\|gb\|EDL91320.1\| podocalyxin-like 2 (predicted) [Rattus norvegicus], gi\|171847413\|gb\|AAI61970.1\| Podocalyxin-like 2 [Rattus norvegicus] | gi\|157819739 | 65 | 16 | 1 | 1 | 1 | 15 |
| 1315 | heterogeneous nuclear ribonucleoprotein A/B [Rattus norvegicus], gi\|6911221\|gb\|AAF31437.1\|AF216753_1 CArG-binding factor A [Rattus norvegicus], gi\|6562847\|emb\|CAB62554.1\| heterogeneous nuclear ribonucleoprotein; type A/B hnRNP p38 [Rattus norvegicus], gi\| | gi\|140971918 (+3) | 31 | 9 | 10 | 0 | 3 | 6 |
| 1316 | PREDICTED: similar to calmodulin regulated spectrin-associated protein 1 [Rattus norvegicus], gi\|109469613\|ref\|XP_001078134.1\| PREDICTED: similar to calmodulin regulated spectrin-associated protein 1 [Rattus norvegicus] | gi\|109467903 | 179 | 2 | 8 | 2 | 5 | 0 |
| 1317 | down-regulator of transcription 1 [Rattus norvegicus], gi\|62900752\|sp\|Q5XI68.1\|NC2B_RAT RecName: Full=Protein Dr1; AltName: Full=Down-regulator of transcription 1; AltName: Full=TATA-binding protein-associated phosphoprotein; AltName: Full=Negative cofact | gi\|58865406 | 19 | 9 | 6 | 0 | 2 | 7 |
| 1318 | acyl-Coenzyme A binding domain containing 6 [Rattus norvegicus], gi\|81889400\|sp\|Q5RJK8.1\|ACBD6_RAT RecName: Full=Acyl-CoA-binding domain-containing protein 6, gi\|55778318\|gb\|AAH86598.1\| Acyl-Coenzyme A binding domain containing 6 [Rattus norvegicus], gi\|1 | gi\|58865390 | 31 | 11 | 3 | 2 | 3 | 8 |
| 1319 | protein tyrosine phosphatase 4a1 [Rattus norvegicus] | gi\|17528929 (+3) | 20 | 16 | 3 | 0 | 1 | 15 |
| 1320 | La ribonucleoprotein domain family, member 7 [Rattus norvegicus], gi\|53733605\|gb\|AAH83898.1\| La ribonucleoprotein domain family, member 7 [Rattus norvegicus] | gi\|112983842 (+1) | 56 | 19 | 0 | 0 | 0 | 19 |
| 1321 | eukaryotic translation termination factor 1 [Homo sapiens], gi\|56605766\|ref\|NP_001008345.1\| eukaryotic translation termination factor 1 [Rattus norvegicus], gi\|115495753\|ref\|NP_001069722.1\| eukaryotic translation termination factor 1 [Bos taurus], gi\|1242 | gi\|4759034 (+1) | 49 | 11 | 5 | 0 | 2 | 9 |
| 1322 | deleted in colorectal carcinoma, isoform CRA_b [Rattus norvegicus] | gi\|149064590 (+1) | 150 | 14 | 4 | 0 | 1 | 13 |
| 1323 | AKT interacting protein [Rattus norvegicus], gi\|58476597\|gb\|AAH89985.1\| Fused toes [Rattus norvegicus], gi\|149032679\|gb\|EDL87549.1\| rCG44356, isoform CRA_b [Rattus norvegicus], gi\|149032680\|gb\|EDL87550.1\| rCG44356, isoform CRA_b [Rattus norvegicus] | gi\|58865430 | 33 | 6 | 0 | 3 | 3 | 3 |
| 1324 | breast carcinoma amplified sequence 2 (predicted), isoform CRA_c [Rattus norvegicus] | gi\|149030454 (+1) | 24 | 16 | 0 | 4 | 4 | 12 |
| 1325 | YKT6 v-SNARE homolog [Rattus norvegicus], gi\|81870672\|sp\|Q5EGY4.1\|YKT6_RAT RecName: Full=Synaptobrevin homolog YKT6, gi\|58758764\|gb\|AAW81771.1\| SNARE protein Ykt6 [Rattus norvegicus], gi\|149047657\|gb\|EDM00327.1\| rCG35885, isoform CRA_a [Rattus norvegicus] | gi\|162138924 | 22 | 12 | 6 | 0 | 2 | 10 |
| 1326 | ubiquitin specific protease 10 [Rattus norvegicus] | gi\|149038330 (+1) | 87 | 9 | 0 | 3 | 3 | 6 |
| 1327 | serine/threonine kinase 25 [Rattus norvegicus], gi\|89337277\|ref\|NP_067512.3\| serine/threonine kinase 25 [Mus musculus], gi\|33943091\|gb\|AAQ55284.1\| serine/threonine kinase 25 [Rattus norvegicus], gi\|47937402\|gb\|AAH71218.1\| Serine/threonine kinase 25 (yeast | gi\|34576555 | 48 | 12 | 0 | 5 | 5 | 7 |
| 1328 | transmembrane emp24 protein transport domain containing 9 [Rattus norvegicus], gi\|56970465\|gb\|AAH88422.1\| Transmembrane emp24 protein transport domain containing 9 [Rattus norvegicus], gi\|149039848\|gb\|EDL93964.1\| transmembrane emp24 protein transport doma | gi\|57528337 | 27 | 17 | 2 | 0 | 1 | 16 |
| 1329 | strawberry notch homolog 1 [Rattus norvegicus], gi\|149063266\|gb\|EDM13589.1\| sno, strawberry notch homolog 1 (Drosophila), isoform CRA_a [Rattus norvegicus] | gi\|157821077 | 137 | 2 | 11 | 2 | 5 | 0 |
| 1330 | ribosomal protein L10a [Rattus norvegicus], gi\|15431288\|ref\|NP_009035.3\| ribosomal protein L10a [Homo sapiens], gi\|62751847\|ref\|NP_001015647.1\| ribosomal protein L10a [Bos taurus], gi\|73972648\|ref\|XP_863955.1\| PREDICTED: similar to ribosomal protein L10a | gi\|13592009 | 25 | 15 | 0 | 0 | 0 | 15 |
| 1331 | RecName: Full=Prothrombin; AltName: Full=Coagulation factor II; Contains: RecName: Full=Activation peptide fragment 1; Contains: RecName: Full=Activation peptide fragment 2; Contains: RecName: Full=Thrombin light chain; Contains: RecName: Full=Thrombin he | gi\|135809 (+1) | 70 | 2 | 15 | 0 | 5 | 0 |
| 1332 | resistance to inhibitors of cholinesterase 8 homolog A [Rattus norvegicus], gi\|149061518\|gb\|EDM11941.1\| resistance to inhibitors of cholinesterase 8 homolog A (C. elegans) [Rattus norvegicus], gi\|169642109\|gb\|AAI60852.1\| Ric8a protein [Rattus norvegicus] | gi\|198278525 | 60 | 6 | 4 | 6 | 7 | 0 |
| 1333 | gelsolin, isoform CRA_a [Rattus norvegicus] | gi\|149038928 (+2) | 86 | 2 | 13 | 0 | 4 | 0 |
| 1334 | cortactin, isoform CRA_c [Rattus norvegicus] | gi\|149061813 | 61 | 16 | 1 | 0 | 0 | 16 |
| 1335 | protein kinase, interferon inducible double stranded RNA dependent activator, isoform CRA_b [Rattus norvegicus] | gi\|149022336 (+1) | 34 | 10 | 0 | 6 | 6 | 4 |
| 1336 | protein kinase C, iota [Rattus norvegicus] | gi\|149048611 | 56 | 7 | 0 | 4 | 4 | 3 |
| 1337 | CTTNBP2 N-terminal like [Rattus norvegicus], gi\|149030408\|gb\|EDL85445.1\| CTTNBP2 N-terminal like (predicted), isoform CRA_a [Rattus norvegicus] | gi\|164565360 | 70 | 16 | 0 | 0 | 0 | 16 |
| 1338 | unnamed protein product [Rattus norvegicus] | gi\|55628 | 69 | 5 | 11 | 0 | 3 | 2 |
| 1339 | PREDICTED: similar to CG8379-PA, isoform A [Rattus norvegicus], gi\|109463946\|ref\|XP_001058595.1\| PREDICTED: similar to CG8379-PA, isoform A [Rattus | gi\|109460219 | 79 | 13 | 0 | 2 | 2 | 11 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | norvegicus], gi\|149040289\|gb\|EDL94327.1\| rCG57700, isoform CRA_a [Rattus norvegicus] | | | | | | | |
| 1340 | collagen-binding factor Endo180 [Rattus norvegicus] | gi\|149054516 (+1) | 171 | 16 | 0 | 0 | 0 | 16 |
| 1341 | insulin-like growth factor 2 mRNA binding protein 1 [Rattus norvegicus], gi\|81866340\|sp\|Q8CGX0.1\|IF2B1_RAT RecName: Full=Insulin-like growth factor 2 mRNA-binding protein 1; Short=IGF2 mRNA-binding protein 1; Short=IMP-1; AltName: Full=IGF-II mRNA-binding | gi\|28212254 | 63 | 14 | 0 | 5 | 5 | 9 |
| 1342 | protein kinase C substrate 80K-H [Rattus norvegicus], gi\|149020438\|gb\|EDL78243.1\| protein kinase C substrate 80K-H (predicted), isoform CRA_b [Rattus norvegicus], gi\|171846648\|gb\|AAI61987.1\| Protein kinase C substrate 80K-H [Rattus norvegicus] | gi\|157818781 | 59 | 14 | 0 | 0 | 0 | 14 |
| 1343 | ubiquitin-conjugating enzyme E2I [Homo sapiens], gi\|6981690\|ref\|NP_037182.1\| ubiquitin-conjugating enzyme E2I [Rattus norvegicus], gi\|7549799\|ref\|NP_035795.1\| ubiquitin-conjugating enzyme E2I [Mus musculus], gi\|35493987\|ref\|NP_919235.1\| ubiquitin-conjugat | gi\|4507785 | 18 | 1 | 12 | 0 | 4 | 0 |
| 1344 | protein kinase (EC 2.7.1.37) raf - rat, gi\|206547\|gb\|AAA42002.1\| raf fusion protein | gi\|66766 | 69 | 6 | 7 | 1 | 3 | 3 |
| 1345 | PREDICTED: similar to secreted frizzled-related sequence protein 1 [Rattus norvegicus] | gi\|109503534 (+2) | 50 | 14 | 2 | 0 | 1 | 13 |
| 1346 | rCG33606, isoform CRA_b [Rattus norvegicus], gi\|149054023\|gb\|EDM05840.1\| rCG33606, isoform CRA_b [Rattus norvegicus] | gi\|149054022 (+1) | 47 | 13 | 4 | 1 | 2 | 11 |
| 1347 | rCG52996, isoform CRA_b [Rattus norvegicus] | gi\|149060331 (+1) | 38 | 1 | 8 | 0 | 3 | 0 |
| 1348 | rCG55411, isoform CRA_a [Rattus norvegicus] | gi\|149037422 (+1) | 134 | 14 | 0 | 1 | 1 | 13 |
| 1349 | guanine nucleotide binding protein-like 1 [Rattus norvegicus], gi\|81872343\|sp\|Q6MG06.1\|GNL1_RAT RecName: Full=Guanine nucleotide-binding protein-like 1, gi\|46237666\|emb\|CAE84041.1\| guanine nucleotide binding protein-like 1 [Rattus norvegicus], gi\|12585875 | gi\|47059187 (+1) | 69 | 10 | 2 | 3 | 4 | 6 |
| 1350 | myeloid leukemia factor 2 homolog [Mus musculus], gi\|157823873\|ref\|NP_001101359.1\| myeloid leukemia factor 2 [Rattus norvegicus], gi\|17368615\|sp\|Q99KX1.1\|MLF2_MOUSE RecName: Full=Myeloid leukemia factor 2; AltName: Full=Myelodysplasia-myeloid leukemia fac | gi\|21703770 | 28 | 9 | 2 | 2 | 3 | 6 |
| 1351 | similar to phospholysine phosphohistidine inorganic pyrophosphate phosphata (5M590) [Rattus norvegicus] | gi\|149061303 (+1) | 27 | 7 | 9 | 0 | 3 | 4 |
| 1352 | rCG21481, isoform CRA_a [Rattus norvegicus] | gi\|149063739 (+1) | 167 | 4 | 6 | 2 | 4 | 0 |
| 1353 | metallophosphoesterase domain containing 2 [Rattus norvegicus], gi\|149022845\|gb\|EDL79739.1\| putative C11orf8 homolog (human), isoform CRA_a [Rattus norvegicus], gi\|149022847\|gb\|EDL79741.1\| putative C11orf8 homolog (human), isoform CRA_a [Rattus norvegicus | gi\|158186724 | 33 | 6 | 11 | 0 | 3 | 3 |
| 1354 | RNA polymerase II associated protein 1 [Rattus norvegicus], gi\|123780902\|sp\|Q3T1I9.1\|RPAP1_RAT RecName: Full=RNA polymerase II-associated protein 1 | gi\|77404259 | 155 | 15 | 3 | 0 | 1 | 14 |
| 1355 | PREDICTED: similar to axonemal dynein light chain 1 [Rattus norvegicus], gi\|149025110\|gb\|EDL81477.1\| rCG20672 [Rattus norvegicus] | gi\|109479639 | 17 | 4 | 10 | 0 | 3 | 1 |
| 1356 | RecName: Full=UBX domain-containing protein 1; AltName: Full=SAPK substrate protein 1, gi\|149062320\|gb\|EDM12743.1\| similar to hypothetical protein MGC6696, isoform CRA_b [Rattus norvegicus], gi\|149062322\|gb\|EDM12745.1\| similar to hypothetical protein MGC6 | gi\|114152149 | 34 | 11 | 5 | 1 | 3 | 8 |
| 1357 | keratin 14 [Rattus norvegicus], gi\|81170667\|sp\|Q6IFV1.1\|K1C14_RAT RecName: Full=Keratin, type I cytoskeletal 14; AltName: Full=Cytokeratin-14; Short=CK-14; AltName: Full=Keratin-14; Short=K14; AltName: Full=Type I keratin Ka14, gi\|46485088\|tpg\|DAA04481.1\| | gi\|56912233 | 53 | 13 | 5 | 0 | 2 | 11 |
| 1358 | ribosomal protein L18 [Rattus norvegicus], gi\|132733\|sp\|P12001.2\|RL18_RAT RecName: Full=60S ribosomal protein L18, gi\|206724\|gb\|AAA42070.1\| ribosomal protein L18, gi\|54261673\|gb\|AAH84727.1\| Ribosomal protein L18 [Rattus norvegicus], gi\|149055876\|gb\|EDM073 | gi\|13592057 (+2) | 22 | 10 | 0 | 8 | 8 | 2 |
| 1359 | ubiquitin-conjugating enzyme E2G 1 [Homo sapiens], gi\|25742608\|ref\|NP_073181.1\| ubiquitin-conjugating enzyme E2G 1 [Rattus norvegicus], gi\|27754105\|ref\|NP_080261.2\| ubiquitin-conjugating enzyme E2G 1 [Mus musculus], gi\|124249326\|ref\|NP_001074352.1\| ubiqui | gi\|13489085 | 20 | 11 | 6 | 0 | 2 | 9 |
| 1360 | MAP/microtubule affinity-regulating kinase 1 [Rattus norvegicus], gi\|62510707\|sp\|O08678.1\|MARK1_RAT RecName: Full=Serine/threonine-protein kinase MARK1; AltName: Full=MAP/microtubule affinity-regulating kinase 1, gi\|2052189\|emb\|CAB06294.1\| serine/threonin | gi\|16758824 | 88 | 7 | 0 | 5 | 5 | 2 |
| 1361 | Chain A, Nmr Solution Structure Of Ca2+-Loaded Calbindin D28k, gi\|110591321\|pdb\|2F33\|A Chain A, Nmr Solution Structure Of Ca2+-Loaded Calbindin D28k | gi\|110590202 (+2) | 30 | 9 | 7 | 0 | 2 | 7 |
| 1362 | calcium regulated heat stable protein 1 [Rattus norvegicus], gi\|41016763\|sp\|Q9WU49.1\|CHSP1_RAT RecName: Full=Calcium-regulated heat stable protein 1; AltName: Full=Calcium-regulated heat-stable protein of 24 kDa; Short=CRHSP-24, gi\|4583309\|gb\|AAD25022.1\|A | gi\|22758142 | 16 | 5 | 10 | 0 | 3 | 2 |
| 1363 | acetylserotonin O-methyltransferase-like (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149035096 | 14 | 8 | 9 | 0 | 3 | 5 |
| 1364 | transmembrane emp24 domain trafficking protein 2 [Rattus norvegicus], gi\|229577019\|ref\|NP_001153290.1\| hypothetical protein LOC100140040 [Bos taurus], gi\|73994416\|ref\|XP_857949.1\| PREDICTED: similar to coated vesicle membrane protein isoform 2 [Canis fami | gi\|13929014 | 23 | 14 | 0 | 0 | 0 | 14 |
| 1365 | neuroligin 3 [Rattus norvegicus], gi\|149042192\|gb\|EDL95899.1\| neuroligin 3, isoform CRA_a [Rattus norvegicus] | gi\|145966694 (+1) | 94 | 15 | 0 | 0 | 0 | 15 |
| 1366 | transgelin 2, isoform CRA_b [Rattus norvegicus] | gi\|149040761 (+1) | 30 | 2 | 15 | 0 | 5 | 0 |
| 1367 | CDP-diacylglycerol-inositol 3-phosphatidyltransferase [Rattus norvegicus], gi\|7674155\|sp\|P70500.1\|CDIPT_RAT RecName: Full=CDP-diacylglycerol--inositol 3-phosphatidyltransferase; AltName: Full=Phosphatidylinositol synthase; Short=PtdIns synthase; Short=PI | gi\|20302093 | 24 | 19 | 0 | 0 | 0 | 19 |
| 1368 | dolichyl-diphosphooligosaccharide-protein glycosyltransferase [Rattus norvegicus], gi\|81884080\|sp\|Q641Y0.1\|OST48_RAT RecName: Full=Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit; Short=Oligosaccharyl transferase 48 kDa subun | gi\|58865778 | 49 | 14 | 0 | 0 | 0 | 14 |
| 1369 | protein phosphatase 1, catalytic subunit, gamma isoform [Rattus norvegicus], gi\|27807051\|ref\|NP_777006.1\| protein phosphatase 1, catalytic subunit, gamma isoform [Bos taurus], gi\|31980772\|ref\|NP_038664.2\| protein phosphatase 1, catalytic subunit, gamma is | gi\|11968062 (+1) | 37 | 9 | 5 | 1 | 3 | 6 |
| 1370 | doublecortin kinase-2 [Rattus norvegicus] | gi\|56269585 (+2) | 78 | 8 | 4 | 4 | 5 | 3 |
| 1371 | PREDICTED: similar to RNA-binding protein Nova-2 (Neuro-oncological ventral antigen 2) (Astrocytic NOVA1-like RNA-binding protein) [Rattus norvegicus] | gi\|109461339 | 56 | 12 | 0 | 3 | 3 | 9 |
| 1372 | Rho-associated coiled-coil containing protein kinase 2 [Rattus norvegicus], gi\|47605938\|sp\|Q62868.1\|ROCK2_RAT RecName: Full=Rho-associated protein kinase 2; AltName: Full=Rho-associated, coiled-coil-containing protein kinase 2; AltName: Full=p164 ROCK-2; | gi\|6981478 | 159 | 10 | 2 | 2 | 3 | 7 |
| 1373 | kinesin family member 1B [Rattus norvegicus], gi\|84028216\|sp\|O88658.2\|KIF1B_RAT RecName: Full=Kinesin-like protein KIF1B, gi\|19911181\|dbj\|BAB86917.1\| kinesin-family protein 1Bp204 [Rattus norvegicus] | gi\|29789307 | 204 | 12 | 3 | 2 | 3 | 9 |
| 1374 | protein kinase, cAMP dependent regulatory, type I, alpha [Rattus norvegicus], gi\|125196\|sp\|P09456.2\|KAP0_RAT RecName: Full=cAMP-dependent protein kinase type I-alpha regulatory subunit, gi\|206673\|gb\|AAB54276.1\| R-I subunit, gi\|149054655\|gb\|EDM06472.1\| pro | gi\|6981396 | 43 | 9 | 3 | 0 | 1 | 8 |
| 1375 | phosphoribosyl transferase domain containing 1 (predicted), isoform CRA_d [Rattus norvegicus] | gi\|149021191 (+1) | 22 | 11 | 5 | 0 | 2 | 9 |
| 1376 | MOB1, Mps One Binder kinase activator-like 1A [Homo sapiens], gi\|62412947\|ref\|NP_081011.1\| MOB1, Mps One Binder kinase activator-like 1A [Mus musculus], gi\|157820997\|ref\|NP_001101827.1\| MOB1, Mps One Binder kinase activator-like 1A [Rattus norvegicus], gi | gi\|27735029 | 25 | 8 | 4 | 0 | 1 | 7 |
| 1377 | PREDICTED: similar to density-regulated protein isoform 1 [Rattus norvegicus] | gi\|109495842 (+2) | 22 | 9 | 6 | 0 | 2 | 7 |
| 1378 | rCG47614, isoform CRA_f [Rattus norvegicus] | gi\|149061760 (+1) | 18 | 11 | 2 | 1 | 2 | 9 |
| 1379 | golgi associated, gamma adaptin ear containing, ARF binding protein 3 [Rattus norvegicus], gi\|149054778\|gb\|EDM06595.1\| golgi associated, gamma adaptin ear containing, ARF binding protein 3 (predicted) [Rattus norvegicus] | gi\|157819547 | 72 | 9 | 2 | 3 | 4 | 5 |
| 1380 | similar to RIKEN cDNA 4930429A22 (predicted), isoform CRA_c [Rattus norvegicus] | gi\|149016362 (+1) | 100 | 3 | 7 | 3 | 5 | 0 |
| 1381 | eukaryotic translation initiation factor 2B, subunit 2 beta, isoform CRA_d [Rattus norvegicus] | gi\|149025192 (+3) | 34 | 13 | 0 | 3 | 3 | 10 |
| 1382 | peroxiredoxin 4, isoform CRA_a [Rattus norvegicus] | gi\|149042395 (+1) | 32 | 12 | 0 | 0 | 0 | 12 |
| 1383 | c-K-ras2 protein [Rattus norvegicus], gi\|495534\|gb\|AAB60458.1\| p21, gi\|116487990\|gb\|AAI26087.1\| V-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog [Rattus norvegicus], gi\|149048985\|gb\|EDM01439.1\| v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog [Rat | gi\|13928698 | 21 | 10 | 0 | 4 | 4 | 6 |
| 1384 | rCG57812, isoform CRA_a [Rattus norvegicus] | gi\|149040344 (+1) | 141 | 3 | 7 | 2 | 4 | 0 |
| 1385 | phosphodiesterase 1B [Rattus norvegicus], gi\|231819\|sp\|Q01066.1\|PDE1B_RAT RecName: Full=Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B; Short=Cam-PDE 1B; AltName: Full=63 kDa Cam-PDE, gi\|13195526\|gb\|AAK15740.1\|AF327906_1 phospho | gi\|12083681 (+1) | 61 | 5 | 6 | 3 | 5 | 0 |
| 1386 | RNA binding motif protein 39 [Rattus norvegicus], gi\|60552170\|gb\|AAH91394.1\| RNA binding motif protein 39 [Rattus norvegicus], gi\|74196119\|dbj\|BAE32977.1\| unnamed protein product [Mus musculus], gi\|149030834\|gb\|EDL85861.1\| RNA-binding region (RNP1, RRM) c | gi\|61557287 (+1) | 59 | 12 | 1 | 5 | 5 | 7 |
| 1387 | RAB23, member RAS oncogene family [Rattus norvegicus], gi\|149046425\|gb\|EDL99318.1\| RAB23, member RAS oncogene family (predicted) [Rattus norvegicus] | gi\|157823749 | 27 | 15 | 2 | 0 | 1 | 14 |
| 1388 | ubiquitin specific protease 47 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149068272 | 19 | 2 | 11 | 2 | 5 | 0 |
| 1389 | PREDICTED: similar to Charged multivesicular body protein 4b (Chromatin-modifying protein 4b) (CHMP4b) [Rattus norvegicus], gi\|109472868\|ref\|XP_001054829.1\| PREDICTED: similar to Charged multivesicular body protein 4b (Chromatin-modifying protein 4b) (CHM | gi\|109469032 | 25 | 9 | 8 | 1 | 4 | 5 |
| 1390 | t-complex 11 like 1 [Rattus norvegicus], gi\|149022804\|gb\|EDL79698.1\| similar to RIKEN cDNA C130096D04 gene (predicted) [Rattus norvegicus] | gi\|157822343 | 56 | 10 | 6 | 0 | 2 | 8 |
| 1391 | RecName: Full=Adenosine kinase; Short=AK; AltName: Full=Adenosine 5'-phosphotransferase | gi\|122065124 (+3) | 40 | 3 | 13 | 0 | 4 | 0 |
| 1392 | hypothetical protein LOC365627 [Rattus norvegicus], gi\|149058942\|gb\|EDM09949.1\| similar to metallo-beta-lactamase superfamily protein like (XL884) (predicted) [Rattus norvegicus] | gi\|157821863 | 31 | 15 | 0 | 0 | 0 | 15 |
| 1393 | synapsin II, isoform CRA_a [Rattus norvegicus] | gi\|149049703 (+1) | 63 | 13 | 0 | 0 | 0 | 13 |
| 1394 | hemoglobin:SUBUNIT=epsilon1 | gi\|1587328 (+1) | 16 | 17 | 1 | 0 | 0 | 17 |
| 1395 | neurofascin, isoform CRA_a [Rattus norvegicus] | gi\|149058628 (+8) | 135 | 11 | 0 | 0 | 0 | 11 |
| 1396 | DNA directed RNA polymerase II polypeptide G [Homo sapiens], gi\|13385826\|ref\|NP_080605.1\| polymerase (RNA) II (DNA directed) polypeptide G [Mus musculus], gi\|16758826\|ref\|NP_446400.1\| polymerase (RNA) II (DNA directed) polypeptide G [Rattus norvegicus], g | gi\|4505947 | 19 | 13 | 2 | 0 | 1 | 12 |
| 1397 | ribosomal protein, large, P1 [Rattus norvegicus], gi\|133053\|sp\|P19944.1\|RLA1_RAT RecName: Full=60S acidic ribosomal protein P1, gi\|57710\|emb\|CAA33200.1\| unnamed protein product [Rattus rattus], gi\|34786057\|gb\|AAH58151.1\| Ribosomal protein, large, P1 [Ratt | gi\|56090277 | 11 | 16 | 1 | 0 | 0 | 16 |
| 1398 | complement component 1, q subcomponent binding protein [Rattus norvegicus], gi\|122065146\|sp\|O35796.2\|C1QBP_RAT RecName: Full=Complement component 1 Q subcomponent-binding protein, mitochondrial; AltName: Full=Glycoprotein gC1qBP; Short=C1qBP; AltName: Ful | gi\|48675371 | 31 | 18 | 0 | 0 | 0 | 18 |
| 1399 | kinesin family member 5A [Rattus norvegicus] | gi\|149066613 | 106 | 10 | 5 | 2 | 4 | 6 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1400 | acyl-CoA synthetase long-chain family member 3 [Rattus norvegicus], gi\|13431600\|sp\|Q63151.1\|ACSL3_RAT RecName: Full=Long-chain-fatty-acid--CoA ligase 3; AltName: Full=Long-chain acyl-CoA synthetase 3; Short=LACS 3; AltName: Full=Brain acyl-CoA synthetase | gi\|16923952 | 80 | 9 | 0 | 2 | 2 | 7 |
| 1401 | p32-subunit of replication protein A [Rattus norvegicus] | gi\|1403534 (+1) | 29 | 7 | 2 | 2 | 3 | 4 |
| 1402 | crystallin, zeta (quinone reductase)-like 1 [Rattus norvegicus], gi\|54035324\|gb\|AAH83853.1\| Crystallin, zeta (quinone reductase)-like 1 [Rattus norvegicus] | gi\|61556783 | 39 | 8 | 4 | 3 | 4 | 4 |
| 1403 | ATG7 autophagy related 7 homolog [Rattus norvegicus], gi\|62286472\|sp\|Q641Y5.1\|ATG7_RAT RecName: Full=Autophagy-related protein 7; AltName: Full=APG7-like; AltName: Full=Ubiquitin-activating enzyme E1-like protein, gi\|51980522\|gb\|AAH82059.1\| ATG7 autophagy | gi\|58865764 | 77 | 10 | 2 | 2 | 3 | 7 |
| 1404 | carbonyl reductase [Rattus norvegicus] | gi\|5032250 (+1) | 7 | 9 | 6 | 2 | 4 | 5 |
| 1405 | kinesin family member 3B [Rattus norvegicus], gi\|149030979\|gb\|EDL86006.1\| kinesin family member 3B (predicted) [Rattus norvegicus] | gi\|157818101 | 85 | 9 | 0 | 2 | 2 | 7 |
| 1406 | small glutamine rich protein with tetratricopeptide repeats 2 [Rattus norvegicus], gi\|81912832\|sp\|Q80W98.1\|SGTB_RAT RecName: Full=Small glutamine-rich tetratricopeptide repeat-containing protein beta; AltName: Full=Beta-SGT; AltName: Full=Small glutamine- | gi\|31745160 | 33 | 9 | 4 | 0 | 1 | 8 |
| 1407 | synaptic vesicle glycoprotein 2a [Rattus norvegicus], gi\|108935908\|sp\|Q02563.2\|SV2A_RAT RecName: Full=Synaptic vesicle glycoprotein 2A; Short=Synaptic vesicle protein 2A; Short=Synaptic vesicle protein 2, gi\|62027591\|gb\|AAH92132.1\| Synaptic vesicle glycop | gi\|148747227 (+1) | 83 | 14 | 0 | 1 | 1 | 13 |
| 1408 | CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1 [Rattus norvegicus], gi\|149015915\|gb\|EDL75222.1\| CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1 (predicted), isoform CRA_a [Ratt | gi\|157823025 | 106 | 10 | 4 | 3 | 4 | 6 |
| 1409 | similar to hypothetical protein MGC34646 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149032866 | 38 | 12 | 4 | 0 | 1 | 11 |
| 1410 | inositol polyphosphate-1-phosphatase [Rattus norvegicus], gi\|55778623\|gb\|AAH86600.1\| Inositol polyphosphate-1-phosphatase [Rattus norvegicus], gi\|149046211\|gb\|EDL99104.1\| rCG22563 [Rattus norvegicus] | gi\|58865832 | 43 | 10 | 7 | 0 | 2 | 8 |
| 1411 | membrane bound C2 domain containing protein [Rattus norvegicus], gi\|74355732\|gb\|AAI01858.1\| Membrane bound C2 domain containing protein [Rattus norvegicus], gi\|149029673\|gb\|EDL84844.1\| membrane bound C2 domain containing protein [Rattus norvegicus] | gi\|75832132 (+1) | 121 | 12 | 0 | 3 | 3 | 9 |
| 1412 | PREDICTED: similar to HECT domain containing 3 [Rattus norvegicus] | gi\|109477004 | 97 | 10 | 0 | 6 | 6 | 4 |
| 1413 | tuberous sclerosis 2, isoform CRA_a [Rattus norvegicus] | gi\|149052029 | 189 | 12 | 0 | 3 | 3 | 9 |
| 1414 | rCG36692 [Rattus norvegicus] | gi\|149019851 (+1) | 80 | 9 | 6 | 1 | 3 | 6 |
| 1415 | RAB33A, member of RAS oncogene family [Rattus norvegicus], gi\|149060103\|gb\|EDM10919.1\| RAB33A, member of RAS oncogene family (predicted) [Rattus norvegicus] | gi\|157818281 | 27 | 11 | 1 | 0 | 0 | 11 |
| 1416 | RecName: Full=Membrane-associated progesterone receptor component 1; AltName: Full=Acidic 25 kDa protein; AltName: Full=25-DX; AltName: Full=Ventral midline antigen; Short=VEMA, gi\|6572674\|gb\|AAF17359.1\|AF163321_1 ventral midline antigen VEMA [Rattus norv | gi\|6647578 | 22 | 16 | 0 | 0 | 0 | 16 |
| 1417 | RAB4B, member RAS oncogene family [Rattus norvegicus], gi\|21313012\|ref\|NP_083667.1\| RAB4B, member RAS oncogene family [Mus musculus], gi\|1710026\|sp\|P51146.1\|RAB4B_RAT RecName: Full=Ras-related protein Rab-4B, gi\|46577105\|sp\|Q91ZR1.2\|RAB4B_MOUSE RecName: F | gi\|8394136 | 24 | 11 | 0 | 0 | 0 | 11 |
| 1418 | RecName: Full=Nestin, gi\|23452508\|gb\|AAN33053.1\| nestin [Rattus norvegicus] | gi\|146345465 (+3) | 209 | 5 | 4 | 4 | 5 | 0 |
| 1419 | melanoma antigen, family E, 1 [Rattus norvegicus], gi\|118763773\|gb\|AAI28755.1\| Melanoma antigen, family E, 1 [Rattus norvegicus], gi\|149055568\|gb\|EDM07152.1\| melanoma antigen, family E, 1 (predicted) [Rattus norvegicus] | gi\|120586971 | 102 | 6 | 2 | 4 | 5 | 1 |
| 1420 | rCG38480, isoform CRA_a [Rattus norvegicus] | gi\|149034053 | 46 | 11 | 3 | 1 | 2 | 9 |
| 1421 | tubulin polyglutamylase complex subunit 1 [Rattus norvegicus], gi\|109481628\|ref\|XP_001077329.1\| PREDICTED: similar to gene trap ROSA b-geo 22 [Rattus norvegicus], gi\|149034675\|gb\|EDL89412.1\| rCG29268 [Rattus norvegicus] | gi\|157819903 | 33 | 10 | 0 | 6 | 6 | 4 |
| 1422 | catalase [Rattus norvegicus], gi\|115707\|sp\|P04762.3\|CATA_RAT RecName: Full=Catalase, gi\|203335\|gb\|AAB42378.1\| catalase [Rattus norvegicus], gi\|203345\|gb\|AAA40884.1\| catalase (EC 1.11.1.6), gi\|51980301\|gb\|AAH81853.1\| Catalase [Rattus norvegicus], gi\|149022 | gi\|6978607 | 60 | 13 | 1 | 0 | 0 | 13 |
| 1423 | arginine-rich, mutated in early stage tumors [Mus musculus], gi\|158706420\|sp\|P0C5H9.1\|ARMET_RAT RecName: Full=Protein ARMET; AltName: Full=Mesencephalic astrocyte-derived neurotrophic factor; Short=MANF; AltName: Full=Arginine-rich protein; Flags: Precurs | gi\|110625813 | 20 | 11 | 1 | 0 | 0 | 11 |
| 1424 | PREDICTED: similar to Vpr-binding protein [Rattus norvegicus], gi\|109485261\|ref\|XP_001071998.1\| PREDICTED: similar to Vpr-binding protein [Rattus norvegicus] | gi\|109483860 (+1) | 172 | 5 | 0 | 3 | 3 | 2 |
| 1425 | ribosomal protein S9 [Homo sapiens], gi\|33504483\|ref\|NP_084043.1\| ribosomal protein S9-like [Mus musculus], gi\|110347598\|ref\|NP_112370.2\| ribosomal protein S9 [Rattus norvegicus], gi\|155372029\|ref\|NP_001094622.1\| ribosomal protein S9 [Bos taurus], gi\|7394 | gi\|14141193 (+1) | 23 | 8 | 0 | 5 | 5 | 3 |
| 1426 | sorting nexin 1 [Rattus norvegicus], gi\|17367373\|sp\|Q99N27.1\|SNX1_RAT RecName: Full=Sorting nexin-1, gi\|12581483\|gb\|AAG59616.1\|AF218916_1 sorting nexin 1 [Rattus norvegicus], gi\|62089576\|gb\|AAH92201.1\| Sorting nexin 1 [Rattus norvegicus], gi\|149042007\|gb\| | gi\|16758148 | 59 | 14 | 0 | 0 | 0 | 14 |
| 1427 | peroxiredoxin 5 precursor [Rattus norvegicus], gi\|20138819\|sp\|Q9R063.1\|PRDX5_RAT RecName: Full=Peroxiredoxin-5, mitochondrial; AltName: Full=Prx-V; AltName: Full=Peroxisomal antioxidant enzyme; AltName: Full=PLP; AltName: Full=Thioredoxin reductase; AltNa | gi\|16758404 (+1) | 22 | 10 | 4 | 0 | 1 | 9 |
| 1428 | ribosomal protein L6 [Rattus norvegicus] | gi\|1490384 (+3) | 34 | 9 | 0 | 8 | 8 | 1 |
| 1429 | N-myristoyltransferase 2, isoform CRA_a [Rattus norvegicus] | gi\|149021095 (+1) | 60 | 8 | 7 | 0 | 2 | 6 |
| 1430 | protein kinase C, beta 1, isoform CRA_a [Rattus norvegicus], gi\|149068004\|gb\|EDM17556.1\| protein kinase C, beta 1, isoform CRA_a [Rattus norvegicus] | gi\|149068002 (+2) | 62 | 7 | 0 | 5 | 5 | 2 |
| 1431 | rCG44996, isoform CRA_c [Rattus norvegicus] | gi\|149028178 | 59 | 5 | 11 | 0 | 3 | 2 |
| 1432 | isocitrate dehydrogenase 3, beta subunit [Rattus norvegicus], gi\|68051964\|sp\|Q68FX0.1\|IDH3B_RAT RecName: Full=Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial; AltName: Full=Isocitric dehydrogenase; AltName: Full=NAD(+)-specific ICDH; Flags: Pre | gi\|55926203 | 42 | 15 | 0 | 0 | 0 | 15 |
| 1433 | profilin 1, isoform CRA_c [Rattus norvegicus] | gi\|149053224 (+2) | 22 | 4 | 8 | 0 | 3 | 1 |
| 1434 | phospholipase C beta-3 [Rattus norvegicus] | gi\|13177635 (+2) | 138 | 17 | 0 | 0 | 0 | 17 |
| 1435 | small nuclear ribonucleoprotein D1 polypeptide 16kDa [Homo sapiens], gi\|6678055\|ref\|NP_033252.1\| small nuclear ribonucleoprotein D1 [Mus musculus], gi\|78050059\|ref\|NP_001030237.1\| small nuclear ribonucleoprotein D1 polypeptide 16kDa [Bos taurus], gi\|15781 | gi\|5902102 | 13 | 16 | 0 | 0 | 0 | 16 |
| 1436 | RAB2, member RAS oncogene family [Rattus norvegicus] | gi\|149061036 | 18 | 17 | 0 | 0 | 0 | 17 |
| 1437 | keratin 85 [Rattus norvegicus], gi\|46485104\|tpg\|DAA02221.1\| TPA_exp: type II keratin Kb25 [Rattus norvegicus] | gi\|57012382 | 53 | 12 | 0 | 0 | 0 | 12 |
| 1438 | Chain A, Catechol O-Methyltransferase Bisubstrate-Inhibitor Complex, gi\|34811344\|pdb\|1H1D\|A Chain A, Catechol O-Methyltransferase, gi\|110591018\|pdb\|2CL5\|A Chain A, Catechol-O-Methyltransferase In Complex With An Inhibitor, gi\|110591019\|pdb\|2CL5\|B Chain B, | gi\|23200180 (+1) | 25 | 6 | 3 | 1 | 2 | 4 |
| 1439 | eukaryotic translation initiation factor 4A, isoform 3 [Bos taurus], gi\|154147644\|ref\|NP_001093663.1\| eukaryotic translation initiation factor 4A, isoform 3 [Sus scrofa], gi\|157821621\|ref\|NP_001093628.1\| eukaryotic translation initiation factor 4A isoform | gi\|114051321 | 47 | 10 | 2 | 3 | 4 | 6 |
| 1440 | cytosolic iron-sulfur protein assembly 1 homolog [Rattus norvegicus], gi\|81909842\|sp\|Q5M7T1.1\|CIAO1_RAT RecName: Full=Protein CIAO1; AltName: Full=WD repeat-containing protein 39, gi\|56788798\|gb\|AAH88474.1\| Cytosolic iron-sulfur protein assembly 1 homolog | gi\|56912225 | 38 | 9 | 0 | 3 | 3 | 6 |
| 1441 | chromobox homolog 5 [Mus musculus], gi\|116008461\|ref\|NP_001070257.1\| chromobox homolog 5 [Mus musculus], gi\|157818381\|ref\|NP_001100267.1\| chromobox homolog 5 (HP1 alpha homolog, Drosophila) [Rattus norvegicus], gi\|158966694\|ref\|NP_001103686.1\| chromobox h | gi\|6671694 | 22 | 3 | 9 | 2 | 5 | 0 |
| 1442 | c-src tyrosine kinase [Rattus norvegicus], gi\|417209\|sp\|P32577.1\|CSK_RAT RecName: Full=Tyrosine-protein kinase CSK; AltName: Full=C-SRC kinase, gi\|20150729\|pdb\|1K9A\|A Chain A, Crystal Structure Analysis Of Full-Length Carboxyl-Terminal Src Kinase At 2.5 A | gi\|71795633 | 51 | 10 | 4 | 2 | 3 | 7 |
| 1443 | amyloid beta (A4) precursor protein-binding, family A, member 1 [Rattus norvegicus], gi\|6225060\|sp\|O35430.1\|APBA1_RAT RecName: Full=Amyloid beta A4 precursor protein-binding family A member 1; AltName: Full=Neuron-specific X11 protein; AltName: Full=Neuro | gi\|13929100 (+1) | 93 | 10 | 2 | 1 | 2 | 8 |
| 1444 | PNMA-like 2 [Rattus norvegicus], gi\|149056860\|gb\|EDM08291.1\| similar to KIAA1183 protein (predicted) [Rattus norvegicus] | gi\|157819095 | 72 | 4 | 4 | 2 | 3 | 1 |
| 1445 | phosphatidylinositol-5-phosphate 4-kinase, type II, beta [Rattus norvegicus], gi\|47605934\|sp\|O88377.1\|PI42B_RAT RecName: Full=Phosphatidylinositol-5-phosphate 4-kinase type-2 beta; AltName: Full=Phosphatidylinositol-5-phosphate 4-kinase type II beta; AltN | gi\|16758316 | 47 | 13 | 0 | 3 | 3 | 10 |
| 1446 | transforming, acidic coiled-coil containing protein 2, isoform CRA_b [Rattus norvegicus] | gi\|149067590 (+3) | 94 | 6 | 8 | 1 | 4 | 2 |
| 1447 | OTU domain containing 6B [Rattus norvegicus], gi\|149045466\|gb\|EDL98466.1\| OTU domain containing 6B (predicted), isoform CRA_b [Rattus norvegicus] | gi\|157820311 | 37 | 10 | 1 | 4 | 4 | 6 |
| 1448 | ATP binding domain 1 family, member C, isoform CRA_b [Rattus norvegicus] | gi\|149063366 (+1) | 33 | 8 | 2 | 5 | 6 | 2 |
| 1449 | ubiquitin-conjugating enzyme E2M [Homo sapiens], gi\|21704162\|ref\|NP_663553.1\| ubiquitin-conjugating enzyme E2M [Mus musculus], gi\|134085789\|ref\|NP_001076972.1\| ubiquitin-conjugating enzyme E2M [Bos taurus], gi\|157817518\|ref\|NP_001101941.1\| ubiquitin-conju | gi\|4507791 | 21 | 5 | 6 | 0 | 2 | 3 |
| 1450 | SGT1, suppressor of G2 allele of SKP1 [Rattus norvegicus], gi\|187629783\|sp\|B0BN85.1\|SUGT1_RAT RecName: Full=Suppressor of G2 allele of SKP1 homolog, gi\|149050043\|gb\|EDM02367.1\| SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae), isoform CRA_b [Rattus n | gi\|198278555 | 38 | 7 | 7 | 0 | 2 | 5 |
| 1451 | PREDICTED: similar to BCSC-1 [Rattus norvegicus] | gi\|109483334 (+2) | 103 | 13 | 1 | 1 | 1 | 12 |
| 1452 | karyopherin alpha 6 [Rattus norvegicus] | gi\|59800339 (+1) | 60 | 12 | 0 | 1 | 1 | 11 |
| 1453 | nudix-type motif 5 [Rattus norvegicus], gi\|81891344\|sp\|Q6AY63.1\|NUDT5_RAT RecName: Full=ADP-sugar pyrophosphatase; AltName: Full=Nucleoside diphosphate-linked moiety X motif 5; Short=Nudix motif 5, gi\|50927368\|gb\|AAH79176.1\| Nudix (nucleoside diphosphate | gi\|56090301 | 24 | 5 | 10 | 0 | 3 | 2 |
| 1454 | rCG47395, isoform CRA_a [Rattus norvegicus] | gi\|149062543 | 125 | 7 | 6 | 0 | 2 | 5 |
| 1455 | COMM domain containing 3 [Rattus norvegicus], gi\|51315701\|sp\|Q6P9U3.1\|COMD3_RAT RecName: Full=COMM domain-containing protein 3, gi\|38051994\|gb\|AAH60591.1\| COMM domain containing 3 [Rattus norvegicus] | gi\|38454210 | 22 | 13 | 2 | 0 | 1 | 12 |
| 1456 | hypothetical protein LOC298384 [Rattus norvegicus], gi\|109476873\|ref\|XP_001059650.1\| PREDICTED: similar to CG4646-PA isoform 2 [Rattus norvegicus], gi\|119368230\|sp\|Q498R7.1\|CA123_RAT RecName: Full=UPF0587 protein C1orf123 homolog, gi\|72679311\|gb\|AAI00101. | gi\|77627996 | 18 | 2 | 10 | 0 | 3 | 0 |
| 1457 | voltage-dependent anion channel 2 [Rattus norvegicus], gi\|46397780\|sp\|P81155.2\|VDAC2_RAT RecName: Full=Voltage-dependent anion-selective channel protein | gi\|13786202 (+1) | 32 | 10 | 0 | 1 | 1 | 9 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 2; Short=VDAC-2; AltName: Full=Outer mitochondrial membrane protein porin 2; AltName: Full=B36-VDAC, g | | | | | | | |
| 1458 | PREDICTED: similar to tubulin, gamma 2 [Rattus norvegicus] | gi\|109489030 (+3) | 53 | 11 | 0 | 2 | 2 | 9 |
| 1459 | ADP-ribosylation factor-like 10C [Homo sapiens], gi\|13385518\|ref\|NP_080287.1\| ADP-ribosylation factor-like 10C [Mus musculus], gi\|66730258\|ref\|NP_001019503.1\| ADP-ribosylation factor-like 8B [Rattus norvegicus], gi\|73985044\|ref\|XP_853013.1\| PREDICTED: sim | gi\|8922601 | 22 | 8 | 1 | 0 | 0 | 8 |
| 1460 | calcium-binding protein P23K beta [Rattus norvegicus] | gi\|2160456 (+1) | 17 | 11 | 3 | 0 | 1 | 10 |
| 1461 | rabaptin [Rattus norvegicus] | gi\|1575770 (+1) | 99 | 8 | 6 | 2 | 4 | 4 |
| 1462 | RAB, member of RAS oncogene family-like 2B [Rattus norvegicus], gi\|53734206\|gb\|AAH83624.1\| RAB, member of RAS oncogene family-like 2B [Rattus norvegicus] | gi\|61557322 | 25 | 7 | 5 | 2 | 4 | 3 |
| 1463 | similar to autoantigen [Rattus norvegicus] | gi\|149038054 (+2) | 153 | 3 | 0 | 0 | 0 | 3 |
| 1464 | COMM domain containing 7, isoform CRA_a [Rattus norvegicus] | gi\|149030970 (+1) | 19 | 16 | 0 | 0 | 0 | 16 |
| 1465 | selenophosphate synthetase 1, isoform CRA_b [Rattus norvegicus] | gi\|149021069 (+1) | 39 | 10 | 3 | 0 | 1 | 9 |
| 1466 | leucine zipper transcription factor-like 1 [Rattus norvegicus], gi\|81888016\|sp\|Q562C6.1\|LZTL1_RAT RecName: Full=Leucine zipper transcription factor-like protein 1, gi\|62530993\|gb\|AAH92585.1\| Leucine zipper transcription factor-like 1 [Rattus norvegicus], | gi\|66730445 | 35 | 14 | 1 | 0 | 0 | 14 |
| 1467 | hypothetical protein LOC216551 [Mus musculus], gi\|197927125\|ref\|NP_001128202.1\| galectin-related protein [Rattus norvegicus], gi\|119903733\|ref\|XP_594786.3\| PREDICTED: similar to RIKEN cDNA 1110067D22 [Bos taurus], gi\|81902047\|sp\|Q8VED9.1\|LEGLA_MOUSE RecNa | gi\|29611654 | 19 | 1 | 10 | 0 | 3 | 0 |
| 1468 | PREDICTED: similar to SET binding factor 1 isoform a [Rattus norvegicus] | gi\|109481181 (+1) | 209 | 13 | 1 | 0 | 0 | 13 |
| 1469 | RNA binding motif protein 8A [Homo sapiens], gi\|162287296\|ref\|NP_001095877.1\| RNA binding motif protein 8a isoform a [Mus musculus], gi\|27693451\|ref\|XP_215637.1\| PREDICTED: similar to RNA-binding protein 8A (RNA-binding motif protein 8A) (Ribonucleoprotei | gi\|4826972 | 20 | 14 | 0 | 0 | 0 | 14 |
| 1470 | crystallin, zeta [Rattus norvegicus], gi\|71152023\|sp\|Q6AYT0.1\|QOR_RAT RecName: Full=Quinone oxidoreductase; AltName: Full=NADPH:quinone reductase; AltName: Full=Zeta-crystallin, gi\|50926853\|gb\|AAH78927.1\| Crystallin, zeta [Rattus norvegicus], gi\|149026296 | gi\|58865938 | 35 | 5 | 6 | 0 | 2 | 3 |
| 1471 | solute carrier family 25, member 5 [Rattus norvegicus], gi\|728810\|sp\|Q09073.3\|ADT2_RAT RecName: Full=ADP/ATP translocase 2; AltName: Full=Adenine nucleotide translocator 2; Short=ANT 2; AltName: Full=ADP,ATP carrier protein 2; AltName: Full=Solute carrier | gi\|32189350 | 33 | 13 | 0 | 0 | 0 | 13 |
| 1472 | calcium/calmodulin-dependent protein kinase II, delta, isoform CRA_c [Rattus norvegicus] | gi\|149025903 (+2) | 54 | 7 | 0 | 4 | 4 | 3 |
| 1473 | kelch-like 9 [Rattus norvegicus], gi\|149044480\|gb\|EDL97739.1\| kelch-like 9 (Drosophila) (predicted) [Rattus norvegicus], gi\|197246771\|gb\|AAI68717.1\| Kelch-like 9 (Drosophila) [Rattus norvegicus] | gi\|157817981 | 69 | 7 | 0 | 3 | 3 | 4 |
| 1474 | diaphanous homolog 1 (Drosophila) (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149017360 | 81 | 15 | 0 | 0 | 0 | 15 |
| 1475 | transmembrane protein 33 isoform 1 [Rattus norvegicus], gi\|10719974\|sp\|Q9Z142.1\|TMM33_RAT RecName: Full=Transmembrane protein 33; AltName: Full=Protein DB83, gi\|4579688\|dbj\|BAA75068.1\| db83 [Rattus norvegicus], gi\|149035325\|gb\|EDL90029.1\| transmembrane pr | gi\|11067391 (+1) | 28 | 13 | 2 | 0 | 1 | 12 |
| 1476 | hypothetical protein LOC291750 [Rattus norvegicus], gi\|149017047\|gb\|EDL76098.1\| similar to TRS85 homolog (predicted) [Rattus norvegicus] | gi\|157818025 | 160 | 12 | 0 | 0 | 0 | 12 |
| 1477 | insulin-like growth factor 2, binding protein 3 [Rattus norvegicus] | gi\|149033413 | 64 | 8 | 0 | 6 | 6 | 2 |
| 1478 | COMM domain containing 10 [Rattus norvegicus], gi\|51259449\|gb\|AAH79373.1\| COMM domain containing 10 [Rattus norvegicus], gi\|149064206\|gb\|EDM14409.1\| COMM domain containing 10, isoform CRA_a [Rattus norvegicus] | gi\|51948526 | 23 | 13 | 0 | 0 | 0 | 13 |
| 1479 | sorting nexin 2 (predicted), isoform CRA_c [Rattus norvegicus] | gi\|149064254 | 38 | 13 | 0 | 0 | 0 | 13 |
| 1480 | similar to RIKEN cDNA 1700012G19 gene (predicted) [Rattus norvegicus] | gi\|149052016 | 35 | 2 | 12 | 0 | 4 | 0 |
| 1481 | COMM domain containing 2 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149064733 (+1) | 20 | 12 | 0 | 0 | 0 | 12 |
| 1482 | rCG35703, isoform CRA_a [Rattus norvegicus] | gi\|149047664 | 41 | 9 | 1 | 1 | 1 | 8 |
| 1483 | vacuolar protein sorting 4 homolog B [Rattus norvegicus], gi\|68533827\|gb\|AAH99128.1\| Vacuolar protein sorting 4 homolog B (S. cerevisiae) [Rattus norvegicus], gi\|149037249\|gb\|EDL91749.1\| vacuolar protein sorting 4b (yeast) [Rattus norvegicus] | gi\|71043636 | 49 | 9 | 2 | 2 | 3 | 6 |
| 1484 | RAS p21 protein activator 1, isoform CRA_a [Rattus norvegicus] | gi\|149058970 (+3) | 117 | 8 | 3 | 1 | 2 | 6 |
| 1485 | CaM kinase-like vesicle-associated [Rattus norvegicus], gi\|81910540\|sp\|Q63092.1\|CAMKV_RAT RecName: Full=CaM kinase-like vesicle-associated protein; AltName: Full=1G5, gi\|349075\|gb\|AAA16633.1\| calmodulin-binding protein | gi\|13027458 | 54 | 9 | 0 | 2 | 2 | 7 |
| 1486 | upstream of NRAS, isoform CRA_a [Rattus norvegicus] | gi\|149030462 (+2) | 86 | 9 | 2 | 2 | 3 | 6 |
| 1487 | rCG61079, isoform CRA_b [Rattus norvegicus] | gi\|149043902 (+1) | 118 | 5 | 4 | 2 | 3 | 2 |
| 1488 | PREDICTED: similar to C06A6.3 [Rattus norvegicus] | gi\|109468066 (+2) | 46 | 11 | 1 | 2 | 2 | 9 |
| 1489 | rCG39172 [Rattus norvegicus] | gi\|149015719 | 70 | 6 | 5 | 1 | 3 | 3 |
| 1490 | rCG47487, isoform CRA_a [Rattus norvegicus] | gi\|149062420 (+1) | 99 | 11 | 0 | 2 | 2 | 9 |
| 1491 | brain and reproductive organ-expressed protein [Rattus norvegicus], gi\|81885356\|sp\|Q6P7Q1.1\|BRE_RAT RecName: Full=BRCA1-A complex subunit BRE; AltName: Full=Brain and reproductive organ-expressed protein; AltName: Full=BRCA1/BRCA2-containing complex subun | gi\|40538868 | 44 | 6 | 4 | 3 | 4 | 2 |
| 1492 | soluble guanylyl cyclase beta 1 subunit [Rattus norvegicus] | gi\|27374983 (+2) | 70 | 10 | 1 | 4 | 4 | 6 |
| 1493 | RecName: Full=Acetyl-CoA acetyltransferase, mitochondrial; AltName: Full=Acetoacetyl-CoA thiolase; Flags: Precursor, gi\|220655\|dbj\|BAA03016.1\| mitochondrial acetoacetyl-CoA thiolase [Rattus norvegicus], gi\|149041679\|gb\|EDL95520.1\| acetyl-coenzyme A acetyl | gi\|135757 (+1) | 45 | 14 | 0 | 1 | 1 | 13 |
| 1494 | calcium channel, voltage-dependent, alpha 2/delta 3 subunit, isoform CRA_a [Rattus norvegicus] | gi\|149034245 (+2) | 105 | 9 | 0 | 2 | 2 | 7 |
| 1495 | rCG38798, isoform CRA_a [Rattus norvegicus], gi\|187469067\|gb\|AAI66821.1\| Armc6 protein [Rattus norvegicus] | gi\|149035997 | 51 | 11 | 2 | 0 | 1 | 10 |
| 1496 | syntaxin 13 [Rattus norvegicus] | gi\|3184552 (+2) | 30 | 8 | 0 | 4 | 4 | 4 |
| 1497 | mitochondrial carrier homolog 2 [Rattus norvegicus], gi\|149022589\|gb\|EDL79483.1\| mitochondrial carrier homolog 2 (C. elegans) (predicted), isoform CRA_a [Rattus norvegicus], gi\|165971637\|gb\|AAI58688.1\| Mitochondrial carrier homolog 2 (C. elegans) [Rattus | gi\|158819029 | 34 | 9 | 0 | 5 | 5 | 4 |
| 1498 | mannose phosphate isomerase [Rattus norvegicus], gi\|62510703\|sp\|Q68FX1.1\|MPI_RAT RecName: Full=Mannose-6-phosphate isomerase; AltName: Full=Phosphomannose isomerase; Short=PMI; AltName: Full=Phosphohexomutase, gi\|51259370\|gb\|AAH79111.1\| Mannose phosphate | gi\|51854221 | 46 | 2 | 11 | 0 | 3 | 0 |
| 1499 | eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa [Rattus norvegicus], gi\|38382861\|gb\|AAH62402.1\| Eukaryotic translation initiation factor 2, subunit 2 (beta) [Rattus norvegicus], gi\|149030917\|gb\|EDL85944.1\| eukaryotic translation initiati | gi\|40786451 | 38 | 10 | 2 | 0 | 1 | 9 |
| 1500 | r-sly1 | gi\|1144569 (+2) | 74 | 7 | 0 | 4 | 4 | 3 |
| 1501 | RecName: Full=UDP-glucose 4-epimerase; AltName: Full=UDP-galactose 4-epimerase; AltName: Full=Galactowaldenase, gi\|57792\|emb\|CAA37897.1\| unnamed protein product [Rattus sp.] | gi\|120922 (+1) | 38 | 6 | 2 | 3 | 4 | 2 |
| 1502 | hypothetical protein LOC500988 [Rattus norvegicus], gi\|149041488\|gb\|EDL95329.1\| rCG58047 [Rattus norvegicus] | gi\|157817692 | 54 | 10 | 1 | 0 | 0 | 10 |
| 1503 | glutamate cysteine ligase, modifier subunit [Rattus norvegicus], gi\|1346189\|sp\|P48508.1\|GSH0_RAT RecName: Full=Glutamate--cysteine ligase regulatory subunit; AltName: Full=Gamma-glutamylcysteine synthetase regulatory subunit; AltName: Full=Gamma-ECS regul | gi\|8393446 | 31 | 7 | 3 | 2 | 3 | 4 |
| 1504 | myotubularin related protein 9 [Rattus norvegicus], gi\|53733831\|gb\|AAH83644.1\| Myotubularin related protein 9 [Rattus norvegicus], gi\|149030268\|gb\|EDL85324.1\| myotubularin related protein 9 [Rattus norvegicus] | gi\|54114991 | 63 | 8 | 1 | 0 | 0 | 8 |
| 1505 | receptor accessory protein 5 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149017173 | 14 | 14 | 0 | 0 | 0 | 14 |
| 1506 | protein phosphatase 3, catalytic subunit, beta [Rattus norvegicus], gi\|129343\|sp\|P20651.1\|PP2BB_RAT RecName: Full=Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform; AltName: Full=Calmodulin-dependent calcineurin A subunit beta isoform | gi\|8394033 | 59 | 9 | 3 | 0 | 1 | 8 |
| 1507 | guanylate kinase 1 [Rattus norvegicus], gi\|149052768\|gb\|EDM04585.1\| guanylate kinase 1, isoform CRA_a [Rattus norvegicus] | gi\|226874873 (+1) | 24 | 9 | 6 | 0 | 2 | 7 |
| 1508 | bisphosphoglycerate mutase [Rattus norvegicus], gi\|38328489\|gb\|AAH62240.1\| 2,3-bisphosphoglycerate mutase [Rattus norvegicus], gi\|149065234\|gb\|EDM15310.1\| 2,3-bisphosphoglycerate mutase [Rattus norvegicus] | gi\|40786455 | 30 | 11 | 1 | 0 | 0 | 11 |
| 1509 | myotubularin related protein 2 (predicted), isoform CRA_a [Rattus norvegicus], gi\|149020686\|gb\|EDL78491.1\| myotubularin related protein 2 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149020685 (+1) | 66 | 10 | 0 | 4 | 4 | 6 |
| 1510 | PREDICTED: similar to Ribonuclease P protein subunit p30 (RNaseP protein p30) (RNase P subunit 2) [Rattus norvegicus], gi\|109463823\|ref\|XP_001080083.1\| PREDICTED: similar to Ribonuclease P protein subunit p30 (RNaseP protein p30) (RNase P subunit 2) [Ratt | gi\|109460073 | 29 | 14 | 0 | 0 | 0 | 14 |
| 1511 | nudix-type motif 2 [Rattus norvegicus], gi\|67460101\|sp\|Q6PEC0.3\|AP4A_RAT RecName: Full=Bis(5'-nucleosyl)-tetraphosphatase [asymmetrical]; AltName: Full=Diadenosine 5',5'''-P1,P4-tetraphosphate asymmetrical hydrolase; Short=Diadenosine tetraphosphatase; Sh | gi\|46485421 | 17 | 9 | 6 | 0 | 2 | 7 |
| 1512 | rCG21247, isoform CRA_b [Rattus norvegicus] | gi\|149063116 (+4) | 108 | 9 | 0 | 1 | 1 | 8 |
| 1513 | ribosomal protein L11 [Mus musculus], gi\|15431290\|ref\|NP_000966.2\| ribosomal protein L11 [Homo sapiens], gi\|115497634\|ref\|NP_001069049.1\| ribosomal protein L11 [Bos taurus], gi\|149695161\|ref\|XP_001504267.1\| PREDICTED: similar to 60S ribosomal protein L11 | gi\|13385408 (+1) | 20 | 13 | 0 | 0 | 0 | 13 |
| 1514 | cell adhesion molecule 3 [Rattus norvegicus], gi\|114149321\|sp\|Q1WIM3.1\|CADM3_RAT RecName: Full=Cell adhesion molecule 3; AltName: Full=Immunoglobulin superfamily member 4B; AltName: Full=Nectin-like protein 1; Flags: Precursor, gi\|82619334\|gb\|ABB85362.1\| | gi\|114052921 (+1) | 43 | 11 | 0 | 0 | 0 | 11 |
| 1515 | DCN1, defective in cullin neddylation 1, domain containing 1 (S. cerevisiae) (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149048716 (+1) | 22 | 13 | 2 | 0 | 1 | 12 |
| 1516 | RecName: Full=MAM domain-containing glycosylphosphatidylinositol anchor protein 1; AltName: Full=Ig6M; Flags: Precursor | gi\|150384462 (+1) | 106 | 14 | 0 | 0 | 0 | 14 |
| 1517 | guanosine monophosphate reductase [Rattus norvegicus], gi\|8928123\|sp\|Q9Z244.1\|GMPR1_RAT RecName: Full=GMP reductase 1; AltName: Full=Guanosine 5'-monophosphate oxidoreductase 1; Short=Guanosine monophosphate reductase 1, gi\|3907579\|gb\|AAC78657.1\| guanosin | gi\|17105340 | 37 | 13 | 0 | 0 | 0 | 13 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1518 | retinoblastoma binding protein 7 [Homo sapiens], gi\|13929162\|ref\|NP_114004.1\| retinoblastoma binding protein 7 [Rattus norvegicus], gi\|109130031\|ref\|XP_001103891.1\| PREDICTED: retinoblastoma binding protein 7 isoform 5 [Macaca mulatta], gi\|2494891\|sp\|Q165 | gi\|4506439 | 48 | 7 | 4 | 0 | 1 | 6 |
| 1519 | Parkinson disease 7 domain containing 1 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149061618 (+1) | 22 | 13 | 1 | 0 | 0 | 13 |
| 1520 | sterol-C4-methyl oxidase-like [Rattus norvegicus], gi\|28558102\|sp\|O35532.1\|ERG25_RAT RecName: Full=C-4 methylsterol oxidase; AltName: Full=Methylsterol monooxygenase; AltName: Full=Neuropep 1; AltName: Full=RANP-1, gi\|2605606\|dbj\|BAA23329.1\| RANP-1 [Rattu | gi\|18266684 | 35 | 13 | 0 | 0 | 0 | 13 |
| 1521 | 3-mercaptopyruvate sulfurtransferase [Rattus norvegicus], gi\|3122930\|sp\|P97532.3\|THTM_RAT RecName: Full=3-mercaptopyruvate sulfurtransferase; Short=MST, gi\|1741864\|dbj\|BAA09127.1\| mercaptopyruvate sulfurtransferase [Rattus norvegicus], gi\|55824737\|gb\|AAH8 | gi\|20304123 | 33 | 4 | 11 | 0 | 3 | 1 |
| 1522 | PREDICTED: similar to mago-nashi homolog [Rattus norvegicus], gi\|109474348\|ref\|XP_001069775.1\| PREDICTED: similar to mago-nashi homolog [Rattus norvegicus] | gi\|109472730 (+2) | 23 | 13 | 0 | 0 | 0 | 13 |
| 1523 | ubiquitin-conjugating enzyme E2R 2 [Mus musculus], gi\|22212943\|ref\|NP_060281.2\| ubiquitin-conjugating enzyme UBC3B [Homo sapiens], gi\|189011626\|ref\|NP_001121045.1\| hypothetical protein LOC689226 [Rattus norvegicus], gi\|73971749\|ref\|XP_854606.1\| PREDICTED: | gi\|13385778 | 27 | 7 | 4 | 1 | 2 | 5 |
| 1524 | PRP31 pre-mRNA processing factor 31 homolog [Rattus norvegicus], gi\|149029802\|gb\|EDL84934.1\| PRP31 pre-mRNA processing factor 31 homolog (yeast) (predicted) [Rattus norvegicus] | gi\|157819227 | 55 | 4 | 4 | 0 | 1 | 3 |
| 1525 | rCG40565, isoform CRA_a [Rattus norvegicus] | gi\|149067975 | 38 | 7 | 1 | 1 | 1 | 6 |
| 1526 | ligase I, DNA, ATP-dependent, isoform CRA_a [Rattus norvegicus], gi\|149028348\|gb\|EDL83754.1\| ligase I, DNA, ATP-dependent, isoform CRA_a [Rattus norvegicus] | gi\|149028347 (+1) | 104 | 8 | 3 | 1 | 2 | 6 |
| 1527 | ZW10, kinetochore associated, homolog [Rattus norvegicus], gi\|81908675\|sp\|Q4V8C2.3\|ZW10_RAT RecName: Full=Centromere/kinetochore protein zw10 homolog, gi\|66911467\|gb\|AAH97452.1\| ZW10, kinetochore associated, homolog (Drosophila) [Rattus norvegicus], gi\|14 | gi\|67078414 | 88 | 7 | 3 | 2 | 3 | 4 |
| 1528 | rCG39108, isoform CRA_a [Rattus norvegicus] | gi\|149032456 (+1) | 94 | 11 | 2 | 1 | 2 | 9 |
| 1529 | PREDICTED: similar to polymerase (RNA) III (DNA directed) polypeptide A, 155kDa [Rattus norvegicus] | gi\|109502980 (+1) | 153 | 11 | 0 | 3 | 3 | 8 |
| 1530 | candidate tumor suppressor in ovarian cancer 2 [Rattus norvegicus], gi\|149053384\|gb\|EDM05201.1\| rCG34508, isoform CRA_a [Rattus norvegicus] | gi\|157817508 | 24 | 7 | 1 | 4 | 4 | 3 |
| 1531 | similar to D7Wsu128e protein [Rattus norvegicus] | gi\|149068020 (+2) | 40 | 10 | 3 | 1 | 2 | 8 |
| 1532 | similar to expressed sequence AI317237 (predicted) [Rattus norvegicus] | gi\|149032048 (+1) | 168 | 10 | 0 | 2 | 2 | 8 |
| 1533 | similar to 4933407C03Rik protein (predicted), isoform CRA_b [Rattus norvegicus], gi\|149038292\|gb\|EDL92652.1\| similar to 4933407C03Rik protein (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149038291 (+1) | 75 | 10 | 0 | 4 | 4 | 6 |
| 1534 | plexin A3 [Rattus norvegicus], gi\|149029861\|gb\|EDL84973.1\| plexin A3 (mapped), isoform CRA_b [Rattus norvegicus] | gi\|164518900 | 208 | 10 | 2 | 1 | 2 | 8 |
| 1535 | rCG58801 [Rattus norvegicus] | gi\|149059731 (+2) | 81 | 9 | 0 | 1 | 1 | 8 |
| 1536 | PREDICTED: similar to retinoblastoma binding protein 4 [Rattus norvegicus], gi\|109466758\|ref\|XP_001062166.1\| PREDICTED: similar to retinoblastoma binding protein 4 [Rattus norvegicus] | gi\|109464838 (+3) | 47 | 8 | 3 | 0 | 1 | 7 |
| 1537 | rCG57303, isoform CRA_c [Rattus norvegicus] | gi\|149039651 (+2) | 75 | 3 | 5 | 2 | 4 | 0 |
| 1538 | septin 11 [Rattus norvegicus], gi\|148673287\|gb\|EDL05234.1\| septin 11, isoform CRA_b [Mus musculus], gi\|149033859\|gb\|EDL88655.1\| septin 6 (predicted), isoform CRA_a [Rattus norvegicus], gi\|189484058\|gb\|ACE00321.1\| septin 11 isoform I [Rattus norvegicus], g | gi\|157821523 (+1) | 50 | 12 | 0 | 0 | 0 | 12 |
| 1539 | tRNA(m1A58)-methyltransferase subunit TRM61 [Rattus norvegicus], gi\|81910870\|sp\|Q6AY46.1\|TRM61_RAT RecName: Full=tRNA (adenine-N(1)-)-methyltransferase catalytic subunit TRMT61A; AltName: Full=tRNA(m1A58)-methyltransferase subunit TRMT61A; Short=tRNA(m1A5 | gi\|56090395 | 32 | 8 | 0 | 2 | 2 | 6 |
| 1540 | minichromosome maintenance deficient 2 mitotin (S. cerevisiae) (predicted) [Rattus norvegicus] | gi\|149036703 | 55 | 8 | 2 | 2 | 3 | 5 |
| 1541 | rCG46446, isoform CRA_b [Rattus norvegicus] | gi\|149058104 (+1) | 29 | 9 | 4 | 0 | 1 | 8 |
| 1542 | PREDICTED: similar to cDNA sequence BC021395 [Rattus norvegicus] | gi\|109506377 (+2) | 49 | 5 | 5 | 3 | 5 | 0 |
| 1543 | beta-adrenergic receptor kinase; beta-ARK [Rattus sp.], gi\|382661\|prf\|\|1819488A beta adrenergic receptor kinase | gi\|260172 (+1) | 80 | 11 | 0 | 3 | 3 | 8 |
| 1544 | PREDICTED: similar to Catenin delta-2 (Neural plakophilin-related ARM-repeat protein) (NPRAP) (Neurojungin) [Rattus norvegicus] | gi\|109464562 (+1) | 134 | 9 | 0 | 3 | 3 | 6 |
| 1545 | succinate dehydrogenase complex, subunit A, flavoprotein (Fp) [Rattus norvegicus], gi\|52782765\|sp\|Q920L2.1\|DHSA_RAT RecName: Full=Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial; AltName: Full=Flavoprotein subunit of complex II; S | gi\|18426858 | 72 | 12 | 0 | 2 | 2 | 10 |
| 1546 | osteoclast stimulating factor 1, isoform CRA_b [Rattus norvegicus] | gi\|149062558 (+1) | 19 | 5 | 6 | 3 | 5 | 0 |
| 1547 | hypothetical protein LOC363485 [Rattus norvegicus], gi\|149055570\|gb\|EDM07154.1\| similar to RIKEN cDNA 2610029G23 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157818635 | 22 | 3 | 8 | 0 | 3 | 0 |
| 1548 | similar to RIKEN cDNA 4931406C07, isoform CRA_b [Rattus norvegicus] | gi\|149020644 (+1) | 31 | 6 | 7 | 0 | 2 | 4 |
| 1549 | similar to KIAA0456 protein (predicted) [Rattus norvegicus] | gi\|149058671 | 58 | 4 | 1 | 2 | 2 | 2 |
| 1550 | protein kinase N1 [Rattus norvegicus], gi\|38197376\|gb\|AAH61836.1\| Protein kinase N1 [Rattus norvegicus], gi\|149037900\|gb\|EDL92260.1\| protein kinase N1 [Rattus norvegicus] | gi\|166063985 (+2) | 104 | 7 | 3 | 3 | 4 | 3 |
| 1551 | rCG33798, isoform CRA_a [Rattus norvegicus] | gi\|149052838 (+2) | 113 | 10 | 3 | 0 | 1 | 9 |
| 1552 | RecName: Full=Hsp70-binding protein 1; AltName: Full=Heat shock protein-binding protein 1; Short=HspBP1; AltName: Full=Hsp70-interacting protein 1, gi\|47939891\|gb\|AAH72541.1\| HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1 [Rattus norve | gi\|78098997 | 39 | 3 | 7 | 0 | 2 | 1 |
| 1553 | ubiquitin-like domain containing CTD phosphatase 1 [Rattus norvegicus], gi\|81882910\|sp\|Q5FWT7.1\|UBCP1_RAT RecName: Full=Ubiquitin-like domain-containing CTD phosphatase 1, gi\|58400827\|gb\|AAH89210.1\| Ubiquitin-like domain containing CTD phosphatase 1 [Ratt | gi\|62078971 | 37 | 7 | 0 | 2 | 2 | 5 |
| 1554 | RAP1A, member of RAS oncogene family [Homo sapiens], gi\|21704066\|ref\|NP_663516.1\| RAS-related protein-1a [Mus musculus], gi\|27806115\|ref\|NP_776873.1\| RAP1A, member of RAS oncogene family [Bos taurus], gi\|54114993\|ref\|NP_001005765.1\| RAP1A, member of RAS o | gi\|4506413 | 21 | 12 | 0 | 0 | 0 | 12 |
| 1555 | NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9 [Rattus norvegicus], gi\|149049372\|gb\|EDM01826.1\| rCG30092 [Rattus norvegicus], gi\|197246398\|gb\|AAI68777.1\| Ndufa9 protein [Rattus norvegicus] | gi\|198278533 (+1) | 43 | 5 | 0 | 3 | 3 | 2 |
| 1556 | dihydrolipoamide dehydrogenase [Rattus norvegicus], gi\|81885266\|sp\|Q6P6R2.1\|DLDH_RAT RecName: Full=Dihydrolipoyl dehydrogenase, mitochondrial; AltName: Full=Dihydrolipoamide dehydrogenase; Flags: Precursor, gi\|38303871\|gb\|AAH62069.1\| Dihydrolipoamide dehy | gi\|40786469 | 54 | 14 | 0 | 0 | 0 | 14 |
| 1557 | leucine rich repeat and Ig domain containing 1 [Rattus norvegicus], gi\|33305422\|gb\|AAQ02775.1\|AF373780_1 putative transmembrane protein mV/BamHI#3 [Mus musculus], gi\|149041742\|gb\|EDL95583.1\| leucine rich repeat neuronal 6A, isoform CRA_a [Rattus norvegicu | gi\|213688408 (+1) | 70 | 10 | 0 | 0 | 0 | 10 |
| 1558 | TBC1 domain family, member 24 [Rattus norvegicus], gi\|149051996\|gb\|EDM03813.1\| similar to CG9339-PA (predicted) [Rattus norvegicus] | gi\|157786588 | 63 | 5 | 6 | 0 | 2 | 3 |
| 1559 | Fas (TNFRSF6)-associated via death domain [Rattus norvegicus], gi\|22535903\|gb\|AAN01113.1\|AF406779_1 FADD/MORT1 protein with death effector domain [Rattus norvegicus], gi\|20145614\|emb\|CAD29628.1\| Fas death domain associated protein [Rattus norvegicus], gi\| | gi\|23097354 | 23 | 4 | 9 | 0 | 3 | 1 |
| 1560 | glutamate receptor, ionotropic, AMPA2, isoform CRA_b [Rattus norvegicus] | gi\|149048284 | 99 | 8 | 0 | 0 | 0 | 8 |
| 1561 | PREDICTED: similar to dendritic cell-derived ubiquitin-like protein [Rattus norvegicus], gi\|109490468\|ref\|XP_001063674.1\| PREDICTED: similar to dendritic cell-derived ubiquitin-like protein [Rattus norvegicus] | gi\|109487949 (+1) | 27 | 12 | 0 | 0 | 0 | 12 |
| 1562 | PREDICTED: similar to Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform (PP2A, B subunit, B gamma isoform) (PP2A, B subunit, B56 gamma isoform) (PP2A, B subunit, PR61 gamma isoform) (PP2A, B subunit, R5 gamma isoform) (PP2A, | gi\|109478743 | 74 | 10 | 0 | 0 | 0 | 10 |
| 1563 | mediator of cell motility 1 [Rattus norvegicus], gi\|81918134\|sp\|Q4QQR9.1\|MEMO1_RAT RecName: Full=Protein MEMO1; AltName: Full=Mediator of ErbB2-driven cell motility 1; Short=Protein memo, gi\|67678458\|gb\|AAH98061.1\| Mediator of cell motility 1 [Rattus norv | gi\|71361623 | 34 | 7 | 3 | 0 | 1 | 6 |
| 1564 | serine (or cysteine) peptidase inhibitor, clade F, member 2 [Rattus norvegicus], gi\|51259429\|gb\|AAH79362.1\| Serine (or cysteine) peptidase inhibitor, clade F, member 2 [Rattus norvegicus], gi\|149053393\|gb\|EDM05210.1\| rCG33981, isoform CRA_a [Rattus norveg | gi\|58865362 | 55 | 0 | 12 | 0 | 4 | 0 |
| 1565 | lysosomal ATPase [Rattus norvegicus] | gi\|17529569 (+1) | 12 | 13 | 0 | 0 | 0 | 13 |
| 1566 | ribosomal protein L4 [Rattus norvegicus], gi\|1710511\|sp\|P50878.3\|RL4_RAT RecName: Full=60S ribosomal protein L4; AltName: Full=L1, gi\|1165139\|emb\|CAA57671.1\| ribosomal protein L4 [Rattus norvegicus] | gi\|11968086 (+1) | 47 | 7 | 0 | 7 | 7 | 0 |
| 1567 | dynactin 1, isoform CRA_b [Rattus norvegicus] | gi\|149036515 | 141 | 5 | 0 | 5 | 5 | 0 |
| 1568 | immunoglobulin heavy chain [Rattus sp.] | gi\|243866 | 51 | 2 | 9 | 0 | 3 | 0 |
| 1569 | 7-dehydrocholesterol reductase [Rattus norvegicus], gi\|81882109\|sp\|Q9Z2Z8.1\|DHCR7_RAT RecName: Full=7-dehydrocholesterol reductase; Short=7-DHC reductase; AltName: Full=Sterol Delta(7)-reductase, gi\|4877562\|gb\|AAD31383.1\|AF071500_1 7-dehydrocholesterol re | gi\|11693158 | 54 | 13 | 0 | 0 | 0 | 13 |
| 1570 | PREDICTED: similar to Secretory carrier-associated membrane protein 3 (Secretory carrier membrane protein 3) [Rattus norvegicus] | gi\|109465077 (+1) | 46 | 11 | 0 | 0 | 0 | 11 |
| 1571 | hematological and neurological expressed 1 [Rattus norvegicus], gi\|81884473\|sp\|Q6AXU6.3\|HN1_RAT RecName: Full=Hematological and neurological expressed 1 protein, gi\|50927765\|gb\|AAH79311.1\| Hematological and neurological expressed 1 [Rattus norvegicus], gi | gi\|54312084 | 16 | 10 | 0 | 0 | 0 | 10 |
| 1572 | glucose-6-phosphatase catalytic subunit-related protein [Rattus norvegicus] | gi\|28395063 (+1) | 39 | 12 | 0 | 0 | 0 | 12 |
| 1573 | synaptosomal-associated protein 29 [Rattus norvegicus], gi\|7769720\|gb\|AAF69517.1\|AF260577_1 SNAP-29 protein [Rattus norvegicus], gi\|60649723\|gb\|AAH91693.1\| Synaptosomal-associated protein 29 [Rattus norvegicus], gi\|149019741\|gb\|EDL77889.1\| synaptosomal-as | gi\|62751974 (+1) | 29 | 11 | 0 | 1 | 1 | 10 |
| 1574 | enhancer factor-1-alpha | gi\|203999 (+3) | 36 | 7 | 2 | 1 | 2 | 5 |
| 1575 | dedicator of cytokinesis 7 [Rattus norvegicus] | gi\|71362801 | 55 | 9 | 0 | 3 | 3 | 6 |
| 1576 | PREDICTED: similar to component of oligomeric golgi complex 5 isoform 1 [Rattus norvegicus] | gi\|109479252 | 96 | 5 | 4 | 1 | 2 | 3 |
| 1577 | tRNA-intron endonuclease 34 [Rattus norvegicus], gi\|53733960\|gb\|AAH83767.1\| TRNA splicing endonuclease 34 homolog (S. cerevisiae) [Rattus norvegicus], | gi\|55741514 | 34 | 6 | 4 | 2 | 3 | 3 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | gi\|149029795\|gb\|EDL84927.1\| tRNA splicing endonuclease 34 homolog, isoform CRA_b [Rattus norvegicus] | | | | | | | |
| 1578 | cytochrome P450, family 51, subfamily A, polypeptide 1 [Rattus norvegicus], gi\|2493384\|sp\|Q64654.1\|CP51A_RAT RecName: Full=Cytochrome P450 51A1; AltName: Full=CYPLI; AltName: Full=P450LI; AltName: Full=Sterol 14-alpha demethylase; AltName: Full=Lanosterol | gi\|6978751 (+1) | 57 | 4 | 0 | 3 | 3 | 1 |
| 1579 | peptidase D [Rattus norvegicus], gi\|81889014\|sp\|Q5I0D7.1\|PEPD_RAT RecName: Full=Xaa-Pro dipeptidase; Short=X-Pro dipeptidase; AltName: Full=Proline dipeptidase; Short=Prolidase; AltName: Full=Imidodipeptidase; AltName: Full=Peptidase D, gi\|56970766\|gb\|AAH | gi\|57528238 | 55 | 10 | 2 | 0 | 1 | 9 |
| 1580 | uroporphyrinogen decarboxylase [Rattus norvegicus], gi\|149035558\|gb\|EDL90239.1\| uroporphyrinogen decarboxylase, isoform CRA_a [Rattus norvegicus], gi\|165970690\|gb\|AAI58691.1\| Uroporphyrinogen decarboxylase [Rattus norvegicus] | gi\|158749613 | 41 | 7 | 1 | 0 | 0 | 7 |
| 1581 | COMM domain containing 5, isoform CRA_a [Rattus norvegicus], gi\|149066059\|gb\|EDM15932.1\| COMM domain containing 5, isoform CRA_a [Rattus norvegicus], gi\|149066060\|gb\|EDM15933.1\| COMM domain containing 5, isoform CRA_a [Rattus norvegicus] | gi\|149066058 (+1) | 25 | 12 | 1 | 0 | 0 | 12 |
| 1582 | hypothetical protein LOC606294 [Rattus norvegicus], gi\|149038680\|gb\|EDL92969.1\| rCG21965, isoform CRA_c [Rattus norvegicus] | gi\|72384369 | 71 | 11 | 0 | 1 | 1 | 10 |
| 1583 | rCG32194 [Rattus norvegicus] | gi\|149043066 | 114 | 10 | 0 | 1 | 1 | 9 |
| 1584 | golgi reassembly stacking protein 2 [Rattus norvegicus], gi\|51259254\|gb\|AAH78731.1\| Golgi reassembly stacking protein 2 [Rattus norvegicus], gi\|149022191\|gb\|EDL79085.1\| golgi reassembly stacking protein 2 [Rattus norvegicus] | gi\|56090463 | 47 | 5 | 8 | 0 | 3 | 2 |
| 1585 | RNA polymerase II associated protein 3 [Rattus norvegicus], gi\|81910765\|sp\|Q68FQ7.1\|RPAP3_RAT RecName: Full=RNA polymerase II-associated protein 3, gi\|51260045\|gb\|AAH79414.1\| RNA polymerase II associated protein 3 [Rattus norvegicus] | gi\|51948458 | 75 | 9 | 0 | 1 | 1 | 8 |
| 1586 | ubiquitin-like 7 (bone marrow stromal cell-derived) [Rattus norvegicus], gi\|50927376\|gb\|AAH79221.1\| Ubiquitin-like 7 (bone marrow stromal cell-derived) [Rattus norvegicus], gi\|149041816\|gb\|EDL95657.1\| bone marrow stromal cell-derived ubiquitin-like protei | gi\|51948464 | 41 | 9 | 0 | 2 | 2 | 7 |
| 1587 | similar to RIKEN cDNA 2400003C14, isoform CRA_b [Rattus norvegicus] | gi\|149038149 (+1) | 32 | 8 | 2 | 0 | 1 | 7 |
| 1588 | LRRGT00111 [Rattus norvegicus] | gi\|37361908 (+1) | 45 | 9 | 0 | 2 | 2 | 7 |
| 1589 | PREDICTED: similar to Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha isoform (PI3-kinase p110 subunit alpha) (PtdIns-3-kinase p110) (PI3K) isoform 3 [Rattus norvegicus] | gi\|109466432 (+1) | 124 | 9 | 0 | 0 | 0 | 9 |
| 1590 | dihydrouridine synthase 3-like (S. cerevisiae), isoform CRA_c [Rattus norvegicus] | gi\|149028168 (+1) | 71 | 7 | 0 | 5 | 5 | 2 |
| 1591 | Emd protein [Rattus norvegicus], gi\|149029876\|gb\|EDL84988.1\| emerin [Rattus norvegicus] | gi\|37589620 | 30 | 7 | 0 | 4 | 4 | 3 |
| 1592 | kinetochore associated 1 [Rattus norvegicus], gi\|149063297\|gb\|EDM13620.1\| kinetochore associated 1 (predicted) [Rattus norvegicus] | gi\|157821131 | 233 | 8 | 0 | 2 | 2 | 6 |
| 1593 | immunoglobulin superfamily, member 4D [Rattus norvegicus], gi\|225543378\|ref\|NP_001139449.1\| immunoglobulin superfamily, member 4D isoform 2 [Mus musculus], gi\|26338381\|dbj\|BAC32876.1\| unnamed protein product [Mus musculus], gi\|82619336\|gb\|ABB85363.1\| nect | gi\|114052913 (+1) | 44 | 11 | 0 | 0 | 0 | 11 |
| 1594 | PREDICTED: similar to THUMP domain containing 3 [Rattus norvegicus], gi\|109474037\|ref\|XP_001078607.1\| PREDICTED: similar to THUMP domain containing 3 [Rattus norvegicus] | gi\|109472464 (+1) | 70 | 7 | 2 | 0 | 1 | 6 |
| 1595 | vacuolar protein sorting 33 homolog A [Rattus norvegicus], gi\|77415393\|gb\|AAI05753.1\| Vacuolar protein sorting 33 homolog A (S. cerevisiae) [Rattus norvegicus], gi\|149063306\|gb\|EDM13629.1\| vacuolar protein sorting 33A (yeast), isoform CRA_a [Rattus norveg | gi\|155369738 (+1) | 67 | 7 | 0 | 5 | 5 | 2 |
| 1596 | melanocyte proliferating gene 1 [Rattus norvegicus], gi\|81884070\|sp\|Q641W2.1\|MYG1_RAT RecName: Full=UPF0160 protein MYG1, mitochondrial; Flags: Precursor, gi\|51980347\|gb\|AAH82112.1\| Melanocyte proliferating gene 1 [Rattus norvegicus], gi\|149031933\|gb\|EDL8 | gi\|53850618 | 43 | 7 | 5 | 0 | 2 | 5 |
| 1597 | RecName: Full=Complement C3; Contains: RecName: Full=Complement C3 beta chain; Contains: RecName: Full=Complement C3 alpha chain; Contains: RecName: Full=C3a anaphylatoxin; Contains: RecName: Full=Complement C3b alpha' chain; Contains: RecName: Full=Compl | gi\|116597 (+1) | 186 | 6 | 4 | 0 | 1 | 5 |
| 1598 | integrin beta 1 [Rattus norvegicus], gi\|124298010\|gb\|AAI31846.1\| Integrin beta 1 (fibronectin receptor beta) [Rattus norvegicus], gi\|149043255\|gb\|EDL96787.1\| integrin beta 1 (fibronectin receptor beta) [Rattus norvegicus] | gi\|158303324 | 88 | 12 | 0 | 0 | 0 | 12 |
| 1599 | leucine zipper and CTNNBIP1 domain containing [Rattus norvegicus], gi\|81883247\|sp\|Q5PQN7.1\|LZIC_RAT RecName: Full=Protein LZIC; AltName: Full=Leucine zipper and ICAT homologous domain-containing protein; AltName: Full=Leucine zipper and CTNNBIP1 domain-co | gi\|61557405 | 21 | 11 | 2 | 0 | 1 | 10 |
| 1600 | hypothetical protein LOC362643 [Rattus norvegicus], gi\|149024425\|gb\|EDL80922.1\| similar to KIAA0090 protein (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157822661 | 111 | 11 | 0 | 2 | 2 | 9 |
| 1601 | rCG39515, isoform CRA_a [Rattus norvegicus] | gi\|149068862 (+3) | 101 | 7 | 0 | 2 | 2 | 5 |
| 1602 | transmembrane protein 35 [Rattus norvegicus], gi\|81863796\|sp\|Q6JAM9.1\|TMM35_RAT RecName: Full=Transmembrane protein 35; AltName: Full=Spinal cord expression protein 4, gi\|47013847\|gb\|AAT08467.1\| spinal cord expression protein 4 [Rattus norvegicus], gi\|149 | gi\|49169970 | 18 | 10 | 0 | 0 | 0 | 10 |
| 1603 | tetratricopeptide repeat domain 3 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149017707 (+3) | 224 | 6 | 0 | 6 | 6 | 0 |
| 1604 | hydroxysteroid dehydrogenase like 1 [Rattus norvegicus], gi\|81908672\|sp\|Q4V8B7.1\|HSDL1_RAT RecName: Full=Hydroxysteroid dehydrogenase-like protein 1, gi\|66911469\|gb\|AAH97457.1\| Hydroxysteroid dehydrogenase like 1 [Rattus norvegicus], gi\|149038311\|gb\|EDL92 | gi\|67846070 | 37 | 9 | 0 | 0 | 0 | 9 |
| 1605 | ribosomal protein S18 [Mus musculus], gi\|11968182\|ref\|NP_072045.1\| ribosomal protein S18 [Homo sapiens], gi\|47087103\|ref\|NP_998722.1\| ribosomal protein S18 [Rattus norvegicus], gi\|47522714\|ref\|NP_999105.1\| ribosomal protein S18 [Sus scrofa], gi\|75812924\|r | gi\|6755368 | 18 | 10 | 0 | 0 | 0 | 10 |
| 1606 | synuclein, gamma, isoform CRA_b [Rattus norvegicus] | gi\|149034107 (+3) | 16 | 11 | 0 | 0 | 0 | 11 |
| 1607 | small nuclear ribonucleoprotein polypeptide D3 [Homo sapiens], gi\|13385598\|ref\|NP_080371.1\| small nuclear ribonucleoprotein D3 [Mus musculus], gi\|56119060\|ref\|NP_001007839.1\| small nuclear ribonucleoprotein D3 polypeptide 18kDa [Gallus gallus], gi\|6285924 | gi\|4759160 | 14 | 12 | 0 | 0 | 0 | 12 |
| 1608 | Bq135360 [Rattus norvegicus] | gi\|33086696 | 68 | 11 | 0 | 0 | 0 | 11 |
| 1609 | heat shock protein 70kDa family, member 13 [Rattus norvegicus], gi\|67461586\|sp\|O35162.2\|HSP13_RAT RecName: Full=Heat shock 70 kDa protein 13; AltName: Full=Stress 70 protein chaperone microsome-associated 60 kDa protein; AltName: Full=Microsomal stress 70 | gi\|148747550 | 52 | 7 | 0 | 0 | 0 | 7 |
| 1610 | neuronal growth regulator 1 [Rattus norvegicus], gi\|8134522\|sp\|Q9Z0J8.1\|NEGR1_RAT RecName: Full=Neuronal growth regulator 1; AltName: Full=Kindred of IgLON; Short=Kilon protein; Flags: Precursor, gi\|4519558\|dbj\|BAA75649.1\| Kilon [Rattus norvegicus], gi\|14 | gi\|11067409 (+2) | 38 | 11 | 0 | 0 | 0 | 11 |
| 1611 | leucine rich repeat containing 59 [Rattus norvegicus], gi\|81910029\|sp\|Q5RJR8.1\|LRC59_RAT RecName: Full=Leucine-rich repeat-containing protein 59; AltName: Full=Protein p34, gi\|480379\|pir\|\|S36779 ribosome-binding protein p34 - rat, gi\|534876\|dbj\|BAA02786.1 | gi\|56605670 | 35 | 8 | 0 | 0 | 0 | 8 |
| 1612 | N-myc downstream regulated gene 4 [Rattus norvegicus], gi\|8927964\|sp\|Q9Z2L9.1\|NDRG4_RAT RecName: Full=Protein NDRG4; AltName: Full=Brain development-related molecule 1, gi\|4105412\|gb\|AAD02415.1\| development-related protein [Rattus norvegicus], gi\|31249540 | gi\|14010841 (+1) | 38 | 12 | 0 | 0 | 0 | 12 |
| 1613 | hypothetical protein LOC308869 [Rattus norvegicus], gi\|81885329\|sp\|Q6P791.1\|CK059_RAT RecName: Full=UPF0404 protein C11orf59 homolog, gi\|38197700\|gb\|AAH61783.1\| Hypothetical LOC308869 [Rattus norvegicus], gi\|149068692\|gb\|EDM18244.1\| Unknown (protein for M | gi\|40018580 | 18 | 12 | 0 | 0 | 0 | 12 |
| 1614 | phosphohistidine phosphatase 1 [Rattus norvegicus], gi\|149039343\|gb\|EDL93563.1\| phosphohistidine phosphatase 1 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|164663846 | 14 | 9 | 0 | 0 | 0 | 9 |
| 1615 | keratin 35 [Rattus norvegicus], gi\|46485078\|tpg\|DAA04476.1\| TPA_exp: type I hair keratin KA30 [Rattus norvegicus], gi\|149054194\|gb\|EDM06011.1\| rCG35153 [Rattus norvegicus] | gi\|57012430 | 51 | 11 | 0 | 0 | 0 | 11 |
| 1616 | PREDICTED: similar to Temporarily Assigned Gene name family member (tag-241) [Rattus norvegicus] | gi\|109457682 (+2) | 179 | 11 | 0 | 1 | 1 | 10 |
| 1617 | zinc finger protein 259 [Rattus norvegicus], gi\|149041558\|gb\|EDL95399.1\| similar to zinc finger protein (predicted) [Rattus norvegicus] | gi\|212549649 | 51 | 6 | 4 | 1 | 2 | 4 |
| 1618 | similar to PDZ-domain protein scribble (predicted), isoform CRA_c [Rattus norvegicus] | gi\|149066146 (+2) | 177 | 4 | 2 | 3 | 4 | 0 |
| 1619 | DnaJ (Hsp40) homolog, subfamily C, member 6 [Rattus norvegicus], gi\|149044571\|gb\|EDL97830.1\| DnaJ (Hsp40) homolog, subfamily C, member 6 (predicted) [Rattus norvegicus] | gi\|157822123 | 99 | 7 | 0 | 2 | 2 | 5 |
| 1620 | NADH dehydrogenase (ubiquinone) Fe-S protein 3 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149022594 (+1) | 34 | 10 | 0 | 2 | 2 | 8 |
| 1621 | PREDICTED: similar to calsyntenin 1 [Rattus norvegicus] | gi\|109475855 (+3) | 123 | 5 | 3 | 0 | 1 | 4 |
| 1622 | rCG27700, isoform CRA_b [Rattus norvegicus] | gi\|149044024 | 81 | 8 | 0 | 3 | 3 | 5 |
| 1623 | dynactin 6 [Rattus norvegicus], gi\|149057926\|gb\|EDM09169.1\| dynactin 6 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|157823924 | 21 | 9 | 0 | 2 | 2 | 7 |
| 1624 | rCG30605, isoform CRA_a [Rattus norvegicus], gi\|149024765\|gb\|EDL81262.1\| rCG30605, isoform CRA_a [Rattus norvegicus] | gi\|149024764 | 14 | 9 | 0 | 1 | 1 | 8 |
| 1625 | RNA binding motif protein 7 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149041583 | 30 | 8 | 0 | 1 | 1 | 7 |
| 1626 | synaptogyrin 3 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149052040 (+2) | 25 | 9 | 0 | 2 | 2 | 7 |
| 1627 | hypothetical protein LOC498890 [Rattus norvegicus], gi\|226501156\|ref\|NP_001141256.1\| hypothetical protein LOC100273343 [Zea mays], gi\|117558375\|gb\|AAI27541.1\| Similar to DNA segment, Chr 18, Wayne State University 98, expressed [Rattus norvegicus], gi\|149 | gi\|117940037 | 25 | 7 | 2 | 3 | 4 | 3 |
| 1628 | N-acetylneuraminic acid phosphatase [Rattus norvegicus], gi\|81883158\|sp\|Q5M969.1\|NANP_RAT RecName: Full=N-acylneuraminate-9-phosphatase; AltName: Full=Neu5Ac-9-Pase; AltName: Full=Haloacid dehalogenase-like hydrolase domain-containing protein 4, gi\|565410 | gi\|57863283 | 28 | 5 | 5 | 2 | 4 | 1 |
| 1629 | kinesin family member 15, isoform CRA_a [Rattus norvegicus] | gi\|149018140 (+2) | 160 | 3 | 7 | 1 | 3 | 0 |
| 1630 | phosphatidylinositol-4-phosphate 5-kinase, type I, gamma isoform c [Rattus norvegicus] | gi\|111185932 (+2) | 76 | 6 | 2 | 1 | 2 | 4 |
| 1631 | similar to Traf2 and NCK interacting kinase, splice variant 4 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149048594 (+1) | 154 | 7 | 0 | 3 | 3 | 4 |
| 1632 | protein phosphatase 2, regulatory subunit B', beta isoform [Rattus norvegicus], gi\|30575399\|gb\|AAP33143.1\| protein phosphatase 2A regulatory subunit B' beta isoform [Rattus norvegicus], gi\|60422755\|gb\|AAH90324.1\| Protein phosphatase 2, regulatory subunit | gi\|31077118 | 57 | 9 | 3 | 0 | 1 | 8 |
| 1633 | PREDICTED: similar to vacuolar protein sorting 13C protein isoform 1A [Rattus norvegicus] | gi\|109483673 | 400 | 5 | 1 | 4 | 4 | 1 |
| 1634 | similar to Epidermal growth factor receptor substrate 15-like 1 (Eps15-related protein) (Eps15R) (Epidermal growth factor receptor pathway substrate 15 related sequence) (Eps15-rs) [Rattus norvegicus] | gi\|149036175 (+1) | 99 | 8 | 2 | 0 | 1 | 7 |
| 1635 | WD repeat domain 81 [Rattus norvegicus], gi\|149053395\|gb\|EDM05212.1\| similar to hypothetical protein (predicted) [Rattus norvegicus] | gi\|197252058 | 212 | 9 | 0 | 1 | 1 | 8 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1636 | LOC498793 protein [Rattus norvegicus] | gi\|72679950 | 63 | 6 | 5 | 0 | 2 | 4 |
| 1637 | similar to RIKEN cDNA 0710008K08 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149057580 (+1) | 39 | 5 | 4 | 0 | 1 | 4 |
| 1638 | rCG22366, isoform CRA_a [Rattus norvegicus] | gi\|149046039 (+2) | 52 | 6 | 0 | 3 | 3 | 3 |
| 1639 | BRCA2 and CDKN1A interacting protein (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149061343 | 36 | 9 | 2 | 0 | 1 | 8 |
| 1640 | PREDICTED: similar to jumonji domain containing 1B [Rattus norvegicus], gi\|149017194\|gb\|EDL76245.1\| rCG49501 [Rattus norvegicus] | gi\|109507127 | 191 | 2 | 9 | 0 | 3 | 0 |
| 1641 | PREDICTED: similar to Peroxisomal targeting signal 1 receptor (Peroxismore receptor 1) (Peroxisomal C-terminal targeting signal import receptor) (PTS1-BP) (Peroxin-5) (PTS1 receptor) (PXR1P) (PTS1R) [Rattus norvegicus] | gi\|109474193 (+2) | 81 | 5 | 2 | 0 | 1 | 4 |
| 1642 | PREDICTED: similar to tRNA nucleotidyl transferase, CCA-adding, 1 isoform 2 [Rattus norvegicus], gi\|109462731\|ref\|XP_001075311.1\| PREDICTED: similar to tRNA nucleotidyl transferase, CCA-adding, 1 isoform 3 [Rattus norvegicus] | gi\|109462729 (+1) | 50 | 3 | 5 | 0 | 2 | 1 |
| 1643 | exocyst complex component 5 [Rattus norvegicus], gi\|24418658\|sp\|P97878.1\|EXOC5_RAT RecName: Full=Exocyst complex component 5; AltName: Full=Exocyst complex component Sec10; AltName: Full=71 kDa component of rsec6/8 secretory complex; AltName: Full=p71, gi | gi\|11559976 | 82 | 6 | 0 | 2 | 2 | 4 |
| 1644 | N-myc downstream regulated gene 3 [Rattus norvegicus], gi\|81884642\|sp\|Q6AYR2.1\|NDRG3_RAT RecName: Full=Protein NDRG3, gi\|50926863\|gb\|AAH78946.1\| N-myc downstream regulated gene 3 [Rattus norvegicus] | gi\|62078575 | 42 | 6 | 3 | 0 | 1 | 5 |
| 1645 | solute carrier family 1 (glutamate/neutral amino acid transporter), member 4 [Rattus norvegicus], gi\|37718695\|dbj\|BAC99093.1\| neutral amino acid transporter ASCT1 [Rattus norvegicus], gi\|149044752\|gb\|EDL97938.1\| solute carrier family 1 (glutamate/neutral | gi\|38454264 | 56 | 6 | 0 | 3 | 3 | 3 |
| 1646 | hypothetical protein LOC362676 [Rattus norvegicus], gi\|149024781\|gb\|EDL81278.1\| similar to RIKEN cDNA 2810405K02 (predicted) [Rattus norvegicus] | gi\|157822867 | 22 | 8 | 1 | 0 | 0 | 8 |
| 1647 | rCG39653, isoform CRA_e [Rattus norvegicus] | gi\|149068166 (+1) | 15 | 6 | 1 | 0 | 0 | 6 |
| 1648 | survival motor neuron 1 [Rattus norvegicus], gi\|3024613\|sp\|O35876.1\|SMN_RAT RecName: Full=Survival motor neuron protein, gi\|2393771\|gb\|AAB96377.1\| survival of motor neuron [Rattus norvegicus] | gi\|11968084 (+3) | 31 | 5 | 0 | 3 | 3 | 2 |
| 1649 | neuropilin [Rattus norvegicus] | gi\|2407643 (+1) | 103 | 10 | 0 | 0 | 0 | 10 |
| 1650 | gi\|109483673-R | gi\|109483673-R (+1) | ? | 6 | 1 | 0 | 0 | 6 |
| 1651 | PREDICTED: similar to RIKEN cDNA 1110018J12 [Rattus norvegicus] | gi\|109478862 (+1) | 94 | 10 | 0 | 0 | 0 | 10 |
| 1652 | PREDICTED: similar to Versican core protein precursor (Large fibroblast proteoglycan) (Chondroitin sulfate proteoglycan core protein 2) (PG-M) [Rattus norvegicus] | gi\|109465804 (+3) | 367 | 10 | 0 | 0 | 0 | 10 |
| 1653 | RecName: Full=Mitochondrial fission 1 protein; AltName: Full=Fis1 homolog; Short=rFis1; AltName: Full=Tetratricopeptide repeat protein 11; AltName: Full=TPR repeat protein 11, gi\|149062977\|gb\|EDM13300.1\| fission 1 (mitochondrial outer membrane) homolog (y | gi\|94711371 | 17 | 9 | 2 | 0 | 1 | 8 |
| 1654 | engulfment and cell motility 1 isoform 1 [Mus musculus], gi\|157822513\|ref\|NP_001101885.1\| engulfment and cell motility 1 [Rattus norvegicus], gi\|30913074\|sp\|Q8BPU7.2\|ELMO1_MOUSE RecName: Full=Engulfment and cell motility protein 1; AltName: Full=CED-12 ho | gi\|17933766 (+1) | 84 | 4 | 0 | 3 | 3 | 1 |
| 1655 | rCG32197, isoform CRA_a [Rattus norvegicus] | gi\|149042757 | 15 | 9 | 1 | 0 | 0 | 9 |
| 1656 | N-myc downstream regulated gene 1 [Rattus norvegicus], gi\|81884862\|sp\|Q6JE36.1\|NDRG1_RAT RecName: Full=Protein NDRG1; AltName: Full=N-myc downstream-regulated gene 1 protein; Short=Protein Ndr1, gi\|45861619\|gb\|AAS78638.1\| N-myc downstream regulated 1 [Rat | gi\|58865550 | 43 | 10 | 1 | 0 | 0 | 10 |
| 1657 | RWD domain containing 1 [Rattus norvegicus], gi\|34098350\|sp\|Q99ND9.1\|RWDD1_RAT RecName: Full=RWD domain-containing protein 1; AltName: Full=Small androgen receptor-interacting protein, gi\|12331287\|emb\|CAC24710.1\| small androgen receptor-interacting protei | gi\|22129753 | 28 | 10 | 2 | 0 | 1 | 9 |
| 1658 | glycolipid transfer protein [Rattus norvegicus], gi\|205779849\|sp\|B0BNM9.1\|GLTP_RAT RecName: Full=Glycolipid transfer protein; Short=GLTP, gi\|149063607\|gb\|EDM13930.1\| glycolipid transfer protein (predicted) [Rattus norvegicus], gi\|165971328\|gb\|AAI58885.1\| | gi\|197313643 | 24 | 2 | 10 | 0 | 3 | 0 |
| 1659 | SAPS domain family, member 1 [Rattus norvegicus], gi\|149016659\|gb\|EDL75845.1\| SAPS domain family, member 1 (predicted) [Rattus norvegicus] | gi\|209529660 | 95 | 10 | 0 | 0 | 0 | 10 |
| 1660 | uridine-cytidine kinase 2 [Mus musculus], gi\|109498991\|ref\|XP_001076056.1\| PREDICTED: similar to uridine-cytidine kinase 2 [Rattus norvegicus], gi\|20455355\|sp\|Q99PM9.1\|UCK2_MOUSE RecName: Full=Uridine-cytidine kinase 2; Short=UCK 2; AltName: Full=Uridine | gi\|13507680 (+1) | 29 | 7 | 3 | 0 | 1 | 6 |
| 1661 | 107 kDa sialoglycoprotein [Rattus norvegicus] | gi\|56578 | 42 | 8 | 0 | 0 | 0 | 8 |
| 1662 | PREDICTED: similar to cyclin-dependent kinase 6 [Rattus norvegicus], gi\|109473069\|ref\|XP_001068770.1\| PREDICTED: similar to cyclin-dependent kinase 6 [Rattus norvegicus], gi\|149029083\|gb\|EDL84377.1\| cyclin-dependent kinase 6 [Rattus norvegicus] | gi\|62646797 | 37 | 6 | 4 | 0 | 1 | 5 |
| 1663 | hypothetical protein LOC304285 [Rattus norvegicus], gi\|123785689\|sp\|Q3ZBA0.1\|TCPR1_RAT RecName: Full=Tectonin beta-propeller repeat-containing protein 1, gi\|73695308\|gb\|AAI03479.1\| Similar to RIKEN cDNA 2210010N04 gene [Rattus norvegicus] | gi\|81295339 | 130 | 8 | 0 | 0 | 0 | 8 |
| 1664 | polymerase (RNA) III (DNA directed) polypeptide F, 39 kDa [Rattus norvegicus], gi\|149041225\|gb\|EDL95158.1\| polymerase (RNA) III (DNA directed) polypeptide F (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157821329 | 42 | 9 | 0 | 0 | 0 | 9 |
| 1665 | anti-NGF30 antibody light-chain [Rattus norvegicus] | gi\|4096754 | 24 | 0 | 11 | 0 | 3 | 0 |
| 1666 | PREDICTED: similar to chloride ion pump-associated 55 kDa protein [Rattus norvegicus] | gi\|109507428 | 41 | 11 | 0 | 0 | 0 | 11 |
| 1667 | sodium-dependent high affinity glutamate transporter GLT-1A [Rattus norvegicus] | gi\|10121878 (+9) | 62 | 5 | 0 | 5 | 5 | 0 |
| 1668 | globin, alpha [Rattus norvegicus], gi\|1778047\|gb\|AAB40623.1\| alpha globin, gi\|149052190\|gb\|EDM04007.1\| rCG33691 [Rattus norvegicus] | gi\|62078447 | 16 | 11 | 0 | 0 | 0 | 11 |
| 1669 | phosphoserine phosphatase [Rattus norvegicus], gi\|62900749\|sp\|Q5M819.1\|SERB_RAT RecName: Full=Phosphoserine phosphatase; Short=PSPase; Short=PSP; AltName: Full=O-phosphoserine phosphohydrolase, gi\|56789499\|gb\|AAH88310.1\| Phosphoserine phosphatase [Rattus | gi\|57527332 | 25 | 2 | 9 | 0 | 3 | 0 |
| 1670 | transcription elongation factor B (SIII), polypeptide 2 [Mus musculus], gi\|13592105\|ref\|NP_112391.1\| transcription elongation factor B (SIII), polypeptide 2 [Rattus norvegicus], gi\|51317294\|sp\|P62870.1\|ELOB_RAT RecName: Full=Transcription elongation facto | gi\|13385800 | 13 | 9 | 0 | 0 | 0 | 9 |
| 1671 | electron-transfer-flavoprotein, alpha polypeptide [Rattus norvegicus], gi\|122065179\|sp\|P13803.4\|ETFA_RAT RecName: Full=Electron transfer flavoprotein subunit alpha, mitochondrial; Short=Alpha-ETF; Flags: Precursor, gi\|56789726\|gb\|AAH88412.1\| Electron-tran | gi\|57527204 | 35 | 10 | 1 | 0 | 0 | 10 |
| 1672 | lon peptidase 1, mitochondrial [Rattus norvegicus], gi\|81916424\|sp\|Q924S5.1\|LONM_RAT RecName: Full=Lon protease homolog, mitochondrial; AltName: Full=Lon protease-like protein; Short=LONP; AltName: Full=Mitochondrial ATP-dependent protease Lon; AltName: F | gi\|19173766 | 106 | 10 | 0 | 0 | 0 | 10 |
| 1673 | rCG57161 [Rattus norvegicus] | gi\|149035271 | 300 | 5 | 3 | 1 | 2 | 3 |
| 1674 | RAN binding protein 6 [Rattus norvegicus], gi\|149062682\|gb\|EDM13105.1\| rCG47920 [Rattus norvegicus] | gi\|157821101 | 125 | 8 | 1 | 2 | 2 | 6 |
| 1675 | rCG62367, isoform CRA_b [Rattus norvegicus] | gi\|149051499 (+1) | 61 | 6 | 2 | 1 | 2 | 4 |
| 1676 | similar to hypothetical protein (predicted) [Rattus norvegicus] | gi\|149055579 (+1) | 32 | 5 | 1 | 2 | 2 | 3 |
| 1677 | PREDICTED: similar to Myosin-6 (Myosin VI) [Rattus norvegicus] | gi\|109483723 (+1) | 148 | 3 | 4 | 1 | 2 | 1 |
| 1678 | PREDICTED: similar to ribosomal protein S6 kinase polypeptide 3 [Rattus norvegicus], gi\|109511791\|ref\|XP_001054840.1\| PREDICTED: similar to ribosomal protein S6 kinase polypeptide 3 [Rattus norvegicus] | gi\|109510713 (+1) | 97 | 5 | 1 | 2 | 2 | 3 |
| 1679 | FYN oncogene related to SRC, FGR, YES [Rattus norvegicus], gi\|126310436\|ref\|XP_001368891.1\| PREDICTED: similar to FYN oncogene related to SRC, FGR, YES isoform 2 [Monodelphis domestica], gi\|81863183\|sp\|Q62844.1\|FYN_RAT RecName: Full=Proto-oncogene tyrosin | gi\|6978863 | 61 | 6 | 0 | 0 | 0 | 6 |
| 1680 | coiled-coil domain containing 22 (predicted) [Rattus norvegicus] | gi\|149028461 (+1) | 72 | 5 | 0 | 2 | 2 | 3 |
| 1681 | ribonuclease/angiogenin inhibitor 1, isoform CRA_b [Rattus norvegicus] | gi\|149061561 (+1) | 54 | 5 | 5 | 0 | 2 | 3 |
| 1682 | rCG55996 [Rattus norvegicus] | gi\|149036645 | 96 | 4 | 1 | 0 | 0 | 4 |
| 1683 | interleukin enhancer binding factor 2 [Mus musculus], gi\|24234747\|ref\|NP_004506.2\| interleukin enhancer binding factor 2 [Homo sapiens], gi\|207079937\|ref\|NP_001128737.1\| DKFZP469C1132 protein [Pongo abelii], gi\|57089135\|ref\|XP_537263.1\| PREDICTED: similar | gi\|13385872 | 43 | 7 | 0 | 4 | 4 | 3 |
| 1684 | PREDICTED: similar to glycogen synthase 1, muscle isoform 3 [Rattus norvegicus] | gi\|109461930 (+3) | 84 | 5 | 0 | 4 | 4 | 1 |
| 1685 | phosphodiesterase 12 [Rattus norvegicus], gi\|37361834\|gb\|AAQ91030.1\| LRRGT00074 [Rattus norvegicus] | gi\|148539973 (+1) | 79 | 7 | 0 | 0 | 0 | 7 |
| 1686 | PREDICTED: similar to germinal histone H4 gene [Rattus norvegicus] | gi\|109504921 (+1) | 11 | 2 | 7 | 0 | 2 | 0 |
| 1687 | rCG30986, isoform CRA_a [Rattus norvegicus] | gi\|149024626 | 101 | 3 | 0 | 2 | 2 | 1 |
| 1688 | RAB9B, member RAS oncogene family [Rattus norvegicus], gi\|149033183\|gb\|EDL87990.1\| rCG56886 [Rattus norvegicus] | gi\|157824109 | 23 | 8 | 0 | 0 | 0 | 8 |
| 1689 | ASF1 anti-silencing function 1 homolog A [Rattus norvegicus], gi\|149038636\|gb\|EDL92925.1\| ASF1 anti-silencing function 1 homolog A (S. cerevisiae) (predicted), isoform CRA_a [Rattus norvegicus] | gi\|213512016 | 23 | 6 | 0 | 0 | 0 | 6 |
| 1690 | regulator of G-protein signalling 3, isoform CRA_c [Rattus norvegicus] | gi\|149059606 (+1) | 106 | 6 | 4 | 0 | 1 | 5 |
| 1691 | ErbB3-binding protein 1 [Rattus norvegicus], gi\|50925681\|gb\|AAH79095.1\| Proliferation-associated 2G4 [Rattus norvegicus], gi\|149029665\|gb\|EDL84836.1\| proliferation-associated 2G4, isoform CRA_a [Rattus norvegicus] | gi\|51948384 | 44 | 11 | 0 | 0 | 0 | 11 |
| 1692 | rCG25584 [Rattus norvegicus] | gi\|149018515 | 122 | 6 | 0 | 3 | 3 | 3 |
| 1693 | hypothetical protein LOC682999 [Rattus norvegicus], gi\|74196430\|dbj\|BAE34358.1\| unnamed protein product [Mus musculus], gi\|149040933\|gb\|EDL94890.1\| rCG20102, isoform CRA_a [Rattus norvegicus], gi\|171846582\|gb\|AAI61899.1\| LOC682999 protein [Rattus norvegic | gi\|189027115 | 35 | 7 | 0 | 3 | 3 | 4 |
| 1694 | PREDICTED: similar to GCN1 general control of amino-acid synthesis 1-like 1 isoform 2 [Rattus norvegicus] | gi\|109496005 (+1) | 293 | 7 | 2 | 0 | 1 | 6 |
| 1695 | alpha-internexin [Rattus norvegicus] | gi\|55622 (+1) | 56 | 6 | 0 | 5 | 5 | 1 |
| 1696 | exportin, tRNA (nuclear export receptor for tRNAs) (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149066813 (+1) | 79 | 0 | 5 | 0 | 2 | 0 |
| 1697 | PREDICTED: similar to Transcription elongation factor SPT6 [Rattus norvegicus], gi\|109491416\|ref\|XP_001080796.1\| PREDICTED: similar to Transcription elongation factor SPT6 [Rattus norvegicus] | gi\|62656585 | 199 | 3 | 5 | 0 | 2 | 1 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1698 | zinc finger, CCHC domain containing 8 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149063302 (+1) | 77 | 6 | 0 | 5 | 5 | 1 |
| 1699 | PREDICTED: similar to Protein C9orf64 [Rattus norvegicus], gi\|109505424\|ref\|XP_001067219.1\| PREDICTED: similar to Protein C9orf64 [Rattus norvegicus], gi\|149039795\|gb\|EDL93911.1\| similar to CG9752-PA [Rattus norvegicus] | gi\|62663171 | 39 | 7 | 3 | 0 | 1 | 6 |
| 1700 | PREDICTED: similar to SEC24 related gene family, member C isoform 5 [Rattus norvegicus] | gi\|109502089 (+3) | 121 | 10 | 0 | 0 | 0 | 10 |
| 1701 | nitric oxide synthase interacting protein (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149055986 (+1) | 30 | 2 | 0 | 2 | 2 | 0 |
| 1702 | Inositol (myo)-1(or 4)-monophosphatase 1, isoform CRA_a [Rattus norvegicus], gi\|149048448\|gb\|EDM00989.1\| Inositol (myo)-1(or 4)-monophosphatase 1, isoform CRA_a [Rattus norvegicus] | gi\|149048447 | 26 | 6 | 4 | 0 | 1 | 5 |
| 1703 | sorting nexin 17 [Rattus norvegicus], gi\|226506310\|ref\|NP_001142236.1\| hypothetical protein LOC100274405 [Zea mays], gi\|81884652\|sp\|Q6AYS6.1\|SNX17_RAT RecName: Full=Sorting nexin-17, gi\|50926143\|gb\|AAH78931.1\| Sorting nexin 17 [Rattus norvegicus], gi\|1490 | gi\|58865530 | 53 | 11 | 0 | 0 | 0 | 11 |
| 1704 | tripartite motif-containing 32 [Rattus norvegicus], gi\|51858707\|gb\|AAH81980.1\| Tripartite motif protein 32 [Rattus norvegicus], gi\|60551553\|gb\|AAH91385.1\| Tripartite motif protein 32 [Rattus norvegicus], gi\|149059569\|gb\|EDM10507.1\| tripartite motif protei | gi\|58865776 | 72 | 7 | 0 | 3 | 3 | 4 |
| 1705 | plectin 1 [Rattus norvegicus], gi\|1709655\|sp\|P30427.2\|PLEC1_RAT RecName: Full=Plectin-1; Short=PLTN; Short=PCN, gi\|1561642\|emb\|CAA42169.1\| plectin [Rattus norvegicus] | gi\|13540714 (+12) | 534 | 3 | 0 | 3 | 3 | 0 |
| 1706 | DNA directed RNA polymerase II polypeptide D [Homo sapiens], gi\|21312246\|ref\|NP_081278.1\| polymerase (RNA) II (DNA directed) polypeptide D isoform 1 [Mus musculus], gi\|157820569\|ref\|NP_001102356.1\| polymerase (RNA) II (DNA directed) polypeptide D [Rattus | gi\|4758574 | 16 | 10 | 0 | 0 | 0 | 10 |
| 1707 | agrin [Rattus norvegicus] | gi\|149024867 (+3) | 206 | 7 | 0 | 0 | 0 | 7 |
| 1708 | carbonic anhydrase II [Rattus norvegicus], gi\|115459\|sp\|P27139.2\|CAH2_RAT RecName: Full=Carbonic anhydrase 2; AltName: Full=Carbonic anhydrase II; Short=CA-II; AltName: Full=Carbonate dehydratase II, gi\|55838\|emb\|CAA41227.1\| carbonic dehydratase [Rattus n | gi\|9506445 | 29 | 0 | 8 | 0 | 3 | 0 |
| 1709 | G protein-coupled receptor kinase interacting ArfGAP 2 [Rattus norvegicus], gi\|51859181\|gb\|AAH81967.1\| G protein-coupled receptor kinase interacting ArfGAP 2 [Rattus norvegicus] | gi\|53850634 | 85 | 11 | 0 | 0 | 0 | 11 |
| 1710 | unknown [Rattus norvegicus] | gi\|109692276 (+1) | 23 | 4 | 4 | 0 | 1 | 3 |
| 1711 | PREDICTED: similar to Huntingtin interacting protein K [Equus caballus], gi\|194676962\|ref\|XP_001789959.1\| PREDICTED: similar to Huntingtin interacting protein K [Bos taurus], gi\|149023106\|gb\|EDL80000.1\| similar to RIKEN cDNA 2310003F16 (predicted) [Rattus | gi\|149692007 | 14 | 8 | 0 | 0 | 0 | 8 |
| 1712 | PREDICTED: similar to Phosphoribosylformylglycinamidine synthase (FGAM synthase) (FGAMS) (Formylglycinamide ribotide amidotransferase) (FGARAT) (Formylglycinamide ribotide synthetase) [Rattus norvegicus] | gi\|109516321 | 37 | 4 | 7 | 0 | 2 | 2 |
| 1713 | PREDICTED: similar to SWI/SNF-related matrix-associated actin-dependent regulator of chromatin c2 isoform b isoform 2 [Rattus norvegicus] | gi\|109480098 (+2) | 125 | 8 | 1 | 0 | 0 | 8 |
| 1714 | latexin [Rattus norvegicus], gi\|61227509\|sp\|Q64361.1\|LXN_RAT RecName: Full=Latexin; AltName: Full=Endogenous carboxypeptidase inhibitor; Short=ECI; AltName: Full=Tissue carboxypeptidase inhibitor; Short=TCI, gi\|440576\|emb\|CAA54290.1\| latexin [Rattus norve | gi\|14269568 (+1) | 26 | 6 | 5 | 0 | 2 | 4 |
| 1715 | adaptor-related protein complex 3, sigma 1 subunit [Rattus norvegicus], gi\|149064199\|gb\|EDM14402.1\| adaptor-related protein complex 3, sigma 1 subunit (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157818103 (+1) | 18 | 9 | 0 | 0 | 0 | 9 |
| 1716 | PREDICTED: similar to actin related protein 2/3 complex, subunit 5-like [Rattus norvegicus], gi\|109487031\|ref\|XP_001059654.1\| PREDICTED: similar to actin related protein 2/3 complex, subunit 5-like [Rattus norvegicus], gi\|143802284\|sp\|A1L108.2\|ARP5L_RAT R | gi\|109486016 (+2) | 17 | 7 | 0 | 0 | 0 | 7 |
| 1717 | procollagen, type V, alpha 1 [Rattus norvegicus] | gi\|149039207 (+1) | 184 | 0 | 8 | 0 | 3 | 0 |
| 1718 | phosphorylated adaptor for RNA export, isoform CRA_a [Rattus norvegicus] | gi\|149064291 (+2) | 40 | 9 | 0 | 0 | 0 | 9 |
| 1719 | coiled-coil domain containing 25 [Rattus norvegicus], gi\|149030311\|gb\|EDL85367.1\| coiled-coil domain containing 25 (predicted) [Rattus norvegicus] | gi\|157821639 | 24 | 2 | 0 | 0 | 0 | 2 |
| 1720 | 5'-nucleotidase, cytosolic III [Rattus norvegicus], gi\|149033245\|gb\|EDL88046.1\| 5'-nucleotidase, cytosolic III (predicted), isoform CRA_a [Rattus norvegicus], gi\|149033247\|gb\|EDL88048.1\| 5'-nucleotidase, cytosolic III (predicted), isoform CRA_a [Rattus no | gi\|157823103 (+1) | 34 | 10 | 0 | 0 | 0 | 10 |
| 1721 | PREDICTED: similar to SH3-domain GRB2-like (endophilin) interacting protein 1 [Rattus norvegicus], gi\|109476819\|ref\|XP_001058167.1\| PREDICTED: similar to SH3-domain GRB2-like (endophilin) interacting protein 1 [Rattus norvegicus] | gi\|62649304 | 86 | 6 | 2 | 0 | 1 | 5 |
| 1722 | fatty acid binding protein FABP-1 {N-terminal} [rats, Sprague-Dawley, liver, Peptide, 35 aa] | gi\|452977 | 4 | 10 | 0 | 0 | 0 | 10 |
| 1723 | secretogranin III, isoform CRA_a [Rattus norvegicus] | gi\|149019137 (+2) | 53 | 8 | 0 | 0 | 0 | 8 |
| 1724 | mitogen-activated protein kinase kinase 1 [Rattus norvegicus], gi\|266566\|sp\|Q01986.2\|MP2K1_RAT RecName: Full=Dual specificity mitogen-activated protein kinase kinase 1; Short=MAP kinase kinase 1; Short=MAPKK 1; AltName: Full=ERK activator kinase 1; AltNam | gi\|13928886 | 43 | 3 | 2 | 2 | 3 | 0 |
| 1725 | PREDICTED: similar to CG32732-PA [Rattus norvegicus], gi\|109479948\|ref\|XP_001069129.1\| PREDICTED: similar to CG32732-PA [Rattus norvegicus], gi\|149044195\|gb\|EDL97577.1\| rCG27725, isoform CRA_a [Rattus norvegicus] | gi\|109478621 (+1) | 67 | 8 | 1 | 0 | 0 | 8 |
| 1726 | catenin (cadherin associated protein), delta 1 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149022412 (+1) | 102 | 5 | 0 | 2 | 2 | 3 |
| 1727 | pallidin homolog [Rattus norvegicus], gi\|66910642\|gb\|AAH97469.1\| Pallidin homolog (mouse) [Rattus norvegicus], gi\|149023154\|gb\|EDL80048.1\| pallidin [Rattus norvegicus] | gi\|71043868 | 20 | 8 | 0 | 2 | 2 | 6 |
| 1728 | GABA transporter protein [Rattus norvegicus], gi\|30520131\|ref\|NP_848818.1\| solute carrier family 6 (neurotransmitter transporter, GABA), member 1 [Mus musculus], gi\|128609\|sp\|P23978.1\|SC6A1_RAT RecName: Full=Sodium- and chloride-dependent GABA transporter | gi\|13242269 | 67 | 9 | 0 | 0 | 0 | 9 |
| 1729 | timeless homolog [Rattus norvegicus], gi\|61216883\|sp\|Q9Z2Y1.1\|TIM_RAT RecName: Full=Protein timeless homolog; Short=rTIM; AltName: Full=Timeless-like protein; Short=rTLP, gi\|3869211\|dbj\|BAA34400.1\| rTIM [Rattus norvegicus] | gi\|13786174 (+1) | 139 | 4 | 3 | 1 | 2 | 2 |
| 1730 | PREDICTED: similar to chromodomain helicase DNA binding protein 4 [Rattus norvegicus] | gi\|109472581 (+2) | 206 | 4 | 1 | 2 | 2 | 2 |
| 1731 | rCG61894, isoform CRA_a [Rattus norvegicus] | gi\|149050639 (+1) | 86 | 5 | 1 | 2 | 2 | 3 |
| 1732 | ATG3 autophagy related 3 homolog [Rattus norvegicus], gi\|9957034\|gb\|AAG09182.1\|AF175224_1 preconditioning-inducible gene 1 protein [Rattus norvegicus] | gi\|19705511 (+1) | 36 | 6 | 0 | 4 | 4 | 2 |
| 1733 | copine III (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149045496 | 60 | 6 | 0 | 0 | 0 | 6 |
| 1734 | adaptor-related protein complex 1, sigma 1 subunit [Bos taurus], gi\|114615097\|ref\|XP_001152893.1\| PREDICTED: similar to clathrin-associated protein 19 isoform 1 [Pan troglodytes], gi\|114615099\|ref\|XP_001152948.1\| PREDICTED: similar to clathrin-associated | gi\|116004439 (+1) | 19 | 10 | 0 | 0 | 0 | 10 |
| 1735 | similar to dJ202D23.2 (novel protein similar to C21ORF5 (KIAA0933)) (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149018991 (+2) | 212 | 5 | 0 | 4 | 4 | 1 |
| 1736 | Nedd8 ultimate buster-1 [Rattus norvegicus], gi\|53733414\|gb\|AAH83586.1\| Negative regulator of ubiquitin-like proteins 1 [Rattus norvegicus] | gi\|62078579 | 70 | 7 | 0 | 1 | 1 | 6 |
| 1737 | RAB geranylgeranyltransferase, beta subunit [Rattus norvegicus], gi\|730317\|sp\|Q08603.1\|PGTB2_RAT RecName: Full=Geranylgeranyl transferase type-2 subunit beta; AltName: Full=Geranylgeranyl transferase type II subunit beta; Short=GGTase-II-beta; AltName: Fu | gi\|20177500 (+2) | 37 | 3 | 5 | 0 | 2 | 1 |
| 1738 | asparagine synthetase domain containing 1 [Rattus norvegicus], gi\|149046228\|gb\|EDL99121.1\| similar to HCV NS3-transactivated protein 1 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|157823035 | 69 | 6 | 2 | 2 | 3 | 3 |
| 1739 | PREDICTED: similar to DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57 homolog [Rattus norvegicus], gi\|109478937\|ref\|XP_001062787.1\| PREDICTED: similar to DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57 homolog [Rattus norvegicus] | gi\|109477854 | 156 | 4 | 1 | 4 | 4 | 0 |
| 1740 | farnesyl diphosphate farnesyl transferase 1 [Rattus norvegicus], gi\|399484\|sp\|Q02769.1\|FDFT_RAT RecName: Full=Squalene synthetase; Short=SQS; Short=SS; AltName: Full=Farnesyl-diphosphate farnesyltransferase; AltName: Full=FPP:FPP farnesyltransferase, gi\|2 | gi\|9506591 | 48 | 7 | 0 | 0 | 0 | 7 |
| 1741 | polymerase (RNA) III (DNA directed) polypeptide C (62kD) [Rattus norvegicus], gi\|81883800\|sp\|Q5XIL3.1\|RPC3_RAT RecName: Full=DNA-directed RNA polymerase III subunit RPC3; Short=RNA polymerase III subunit C3; AltName: Full=DNA-directed RNA polymerase III s | gi\|58865732 | 61 | 9 | 0 | 0 | 0 | 9 |
| 1742 | rCG40279 [Rattus norvegicus] | gi\|149067611 | 65 | 9 | 0 | 0 | 0 | 9 |
| 1743 | thyroid hormone receptor interactor 13 [Rattus norvegicus], gi\|81883667\|sp\|Q5XHZ9.1\|TRP13_RAT RecName: Full=Thyroid receptor-interacting protein 13; AltName: Full=Thyroid hormone receptor interactor 13; Short=TRIP-13, gi\|53733607\|gb\|AAH83900.1\| Thyroid ho | gi\|58865438 | 48 | 8 | 0 | 0 | 0 | 8 |
| 1744 | tubulin folding cofactor C [Rattus norvegicus], gi\|149069425\|gb\|EDM18866.1\| tubulin-specific chaperone c (predicted) [Rattus norvegicus], gi\|183986260\|gb\|AAI66467.1\| Tubulin folding cofactor C [Rattus norvegicus] | gi\|157816975 | 38 | 8 | 2 | 0 | 1 | 7 |
| 1745 | COMM domain containing 4 (predicted), isoform CRA_c [Rattus norvegicus] | gi\|149041769 (+1) | 22 | 8 | 0 | 0 | 0 | 8 |
| 1746 | peroxisomal multifunctional enzyme type II | gi\|1592545 (+2) | 79 | 7 | 0 | 0 | 0 | 7 |
| 1747 | PREDICTED: similar to Rap1 GTPase-activating protein 1 (Rap1GAP) [Rattus norvegicus], gi\|109477546\|ref\|XP_001070178.1\| PREDICTED: similar to Rap1 GTPase-activating protein 1 (Rap1GAP) [Rattus norvegicus] | gi\|109475701 (+2) | 83 | 2 | 5 | 0 | 2 | 0 |
| 1748 | hypothetical protein LOC292267 [Rattus norvegicus], gi\|81884656\|sp\|Q6AYT5.1\|CF211_RAT RecName: Full=UPF0364 protein C6orf211 homolog, gi\|50927323\|gb\|AAH78920.1\| Similar to RIKEN cDNA 1700052N19 [Rattus norvegicus], gi\|149038532\|gb\|EDL92862.1\| similar to R | gi\|62945250 | 50 | 4 | 3 | 0 | 1 | 3 |
| 1749 | kelch-like 22 [Rattus norvegicus], gi\|149019756\|gb\|EDL77904.1\| kelch-like 22 (Drosophila) (predicted) [Rattus norvegicus] | gi\|157819093 | 72 | 8 | 0 | 2 | 2 | 6 |
| 1750 | proline, glutamic acid and leucine rich protein 1 [Rattus norvegicus] | gi\|149053184 (+1) | 67 | 5 | 0 | 2 | 2 | 3 |
| 1751 | EH-domain containing 3 [Rattus norvegicus], gi\|81915054\|sp\|Q8R491.2\|EHD3_RAT RecName: Full=EH domain-containing protein 3, gi\|34452241\|gb\|AAM14604.2\|AF494093_1 EH-domain containing protein 2 [Rattus norvegicus], gi\|149050680\|gb\|EDM02853.1\| rCG61532 [Rattu | gi\|34536836 | 61 | 4 | 0 | 2 | 2 | 2 |
| 1752 | PTK7 protein tyrosine kinase 7 [Rattus norvegicus], gi\|149069388\|gb\|EDM18829.1\| serum response factor (predicted) [Rattus norvegicus] | gi\|157818047 | 86 | 3 | 0 | 1 | 1 | 2 |
| 1753 | pyroglutamyl-peptidase I [Rattus norvegicus], gi\|81870932\|sp\|Q76IC5.1\|PGPI_RAT RecName: Full=Pyroglutamyl-peptidase 1; AltName: Full=Pyroglutamyl-peptidase I; Short=PGP-I; AltName: Full=Pyrrolidone-carboxylate peptidase; AltName: Full=5-oxoprolyl-peptidas | gi\|42558275 | 23 | 8 | 2 | 0 | 1 | 7 |
| 1754 | cell line NK14 derived transforming oncogene [Mus musculus], gi\|162287395\|ref\|NP_446450.2\| RAB8A, member RAS oncogene family [Rattus norvegicus], gi\|82592519\|sp\|P55258.2\|RAB8A_MOUSE RecName: Full=Ras-related protein Rab-8A; AltName: Full=Oncogene c-mel, g | gi\|38372905 (+1) | 24 | 5 | 0 | 0 | 0 | 5 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1755 | keratin 42 [Rattus norvegicus], gi\|81891673\|sp\|Q6IFU7.1\|K1C42_RAT RecName: Full=Keratin, type I cytoskeletal 42; AltName: Full=Cytokeratin-42; Short=CK-42; AltName: Full=Keratin-42; Short=K42; AltName: Full=Type I keratin Ka22, gi\|46485096\|tpg\|DAA04485.1\| | gi\|57012446 | 50 | 9 | 0 | 0 | 0 | 9 |
| 1756 | rCG45963 [Rattus norvegicus] | gi\|149058268 (+1) | 49 | 1 | 7 | 0 | 2 | 0 |
| 1757 | rCG20046 [Rattus norvegicus], gi\|149030792\|gb\|EDL85823.1\| G protein-coupled receptor associated sorting protein 1 [Rattus norvegicus] | gi\|149030791 (+1) | 152 | 5 | 0 | 5 | 5 | 0 |
| 1758 | a disintegrin and metalloprotease domain 8 (predicted), isoform CRA_e [Rattus norvegicus] | gi\|149061448 (+1) | 89 | 3 | 0 | 3 | 3 | 0 |
| 1759 | deoxycytidine kinase [Rattus norvegicus] | gi\|149033733 | 31 | 2 | 5 | 0 | 2 | 0 |
| 1760 | KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1, isoform CRA_a [Rattus norvegicus] | gi\|149055856 (+2) | 25 | 8 | 0 | 0 | 0 | 8 |
| 1761 | PREDICTED: similar to High mobility group protein 4 (HMG-4) (High mobility group protein 2a) (HMG-2a) [Rattus norvegicus], gi\|109514150\|ref\|XP_001067329.1\| PREDICTED: similar to High mobility group protein 4 (HMG-4) (High mobility group protein 2a) (HMG-2 | gi\|109511369 (+1) | 62 | 0 | 9 | 0 | 3 | 0 |
| 1762 | proteasome (prosome, macropain) 26S subunit, non-ATPase, 10, isoform CRA_b [Rattus norvegicus] | gi\|149022066 (+1) | 25 | 6 | 0 | 0 | 0 | 6 |
| 1763 | enoyl Coenzyme A hydratase, short chain, 1, mitochondrial, isoform CRA_b [Rattus norvegicus] | gi\|149061475 (+4) | 16 | 8 | 0 | 0 | 0 | 8 |
| 1764 | serine (or cysteine) proteinase inhibitor, clade H, member 1, isoform CRA_a [Rattus norvegicus], gi\|149068860\|gb\|EDM18412.1\| serine (or cysteine) proteinase inhibitor, clade H, member 1, isoform CRA_a [Rattus norvegicus] | gi\|149068858 (+2) | 45 | 9 | 0 | 0 | 0 | 9 |
| 1765 | RecName: Full=Cathepsin D; Contains: RecName: Full=Cathepsin D 12 kDa light chain; Contains: RecName: Full=Cathepsin D 9 kDa light chain; Contains: RecName: Full=Cathepsin D 34 kDa heavy chain; Contains: RecName: Full=Cathepsin D 30 kDa heavy chain; Flags | gi\|115720 (+1) | 45 | 9 | 0 | 0 | 0 | 9 |
| 1766 | leucine zipper-EF-hand containing transmembrane protein 1 [Rattus norvegicus], gi\|62510718\|sp\|Q5XIN6.1\|LETM1_RAT RecName: Full=LETM1 and EF-hand domain-containing protein 1, mitochondrial; AltName: Full=Leucine zipper-EF-hand-containing transmembrane prot | gi\|54400736 | 83 | 10 | 0 | 0 | 0 | 10 |
| 1767 | calcitonin gene-related peptide-receptor component protein [Rattus norvegicus], gi\|20532031\|sp\|Q8VHM6.1\|RPC9_RAT RecName: Full=DNA-directed RNA polymerase III subunit RPC9; Short=RNA polymerase III subunit C9; AltName: Full=Calcitonin gene-related peptide | gi\|19526763 | 17 | 9 | 0 | 0 | 0 | 9 |
| 1768 | PREDICTED: similar to Complement C5 precursor (Hemolytic complement) [Rattus norvegicus] | gi\|109468076 (+2) | 190 | 9 | 1 | 0 | 0 | 9 |
| 1769 | pregnancy-zone protein [Rattus norvegicus], gi\|205384\|gb\|AAA41591.1\| alpha-1-macroglobulin | gi\|21955142 (+1) | 167 | 6 | 2 | 0 | 1 | 5 |
| 1770 | nuclear casein kinase and cyclin-dependent kinase substrate 1 [Rattus norvegicus], gi\|13631502\|sp\|Q9EPJ0.1\|NUCKS_RAT RecName: Full=Nuclear ubiquitous casein and cyclin-dependent kinases substrate, gi\|12054818\|emb\|CAC20862.1\| nuclear casein kinase and cycl | gi\|12248185 | 27 | 0 | 7 | 0 | 2 | 0 |
| 1771 | roundabout 1 [Rattus norvegicus], gi\|49036462\|sp\|O55005.1\|ROBO1_RAT RecName: Full=Roundabout homolog 1; Flags: Precursor, gi\|2811216\|gb\|AAC39960.1\| transmembrane receptor Robo1 [Rattus norvegicus] | gi\|11559953 | 181 | 8 | 0 | 0 | 0 | 8 |
| 1772 | transmembrane emp24 protein transport domain containing 7 [Rattus norvegicus], gi\|109507281\|ref\|XP_001054517.1\| PREDICTED: similar to transmembrane emp24 protein transport domain containing 7 [Rattus norvegicus], gi\|149064190\|gb\|EDM14393.1\| toll-like rece | gi\|157787208 | 25 | 9 | 0 | 0 | 0 | 9 |
| 1773 | synuclein, beta, isoform CRA_a [Rattus norvegicus], gi\|149039914\|gb\|EDL94030.1\| synuclein, beta, isoform CRA_a [Rattus norvegicus] | gi\|149039913 (+2) | 14 | 9 | 0 | 0 | 0 | 9 |
| 1774 | exocyst complex component 6B [Rattus norvegicus], gi\|149036560\|gb\|EDL91178.1\| rCG56008 [Rattus norvegicus] | gi\|157823569 | 94 | 6 | 0 | 0 | 0 | 6 |
| 1775 | rCG62592, isoform CRA_a [Rattus norvegicus] | gi\|149048118 (+2) | 117 | 4 | 1 | 2 | 2 | 2 |
| 1776 | ash2 (absent, small, or homeotic)-like [Rattus norvegicus], gi\|149057828\|gb\|EDM09071.1\| ash2 (absent, small, or homeotic)-like (Drosophila) (predicted) [Rattus norvegicus] | gi\|157821569 | 68 | 3 | 4 | 2 | 3 | 0 |
| 1777 | PREDICTED: similar to Endoplasmic reticulum-Golgi intermediate compartment protein 1 (ER-Golgi intermediate compartment 32 kDa protein) (ERGIC-32) [Rattus norvegicus] | gi\|109487945 (+2) | 40 | 6 | 0 | 1 | 1 | 5 |
| 1778 | tuberous sclerosis 1 [Rattus norvegicus], gi\|9297064\|sp\|Q9Z136.1\|TSC1_RAT RecName: Full=Hamartin; AltName: Full=Tuberous sclerosis 1 protein homolog, gi\|4512344\|dbj\|BAA75254.1\| Hamartin [Rattus norvegicus], gi\|149039183\|gb\|EDL93403.1\| tuberous sclerosis 1 | gi\|11177894 | 129 | 5 | 0 | 1 | 1 | 4 |
| 1779 | ubiquitin-conjugating enzyme E2C [Rattus norvegicus], gi\|149042923\|gb\|EDL96497.1\| rCG32249 [Rattus norvegicus] | gi\|157818349 | 20 | 3 | 2 | 0 | 1 | 2 |
| 1780 | tetratricopeptide repeat domain 9C, isoform CRA_b [Rattus norvegicus] | gi\|149062307 (+1) | 10 | 5 | 2 | 0 | 1 | 4 |
| 1781 | zuotin related factor 2 [Rattus norvegicus], gi\|57032822\|gb\|AAH88838.1\| Dnajc2 protein [Rattus norvegicus], gi\|149046589\|gb\|EDL99414.1\| DnaJ (Hsp40) homolog, subfamily C, member 2 [Rattus norvegicus] | gi\|158138509 (+3) | 72 | 5 | 1 | 3 | 3 | 2 |
| 1782 | L-iditol 2-dehydrogenase [Rattus norvegicus] | gi\|397357 (+2) | 43 | 6 | 0 | 2 | 2 | 4 |
| 1783 | PREDICTED: similar to WAS protein family, member 3 [Rattus norvegicus], gi\|149034868\|gb\|EDL89588.1\| rCG42551 [Rattus norvegicus] | gi\|109496483 | 55 | 7 | 0 | 2 | 2 | 5 |
| 1784 | signal-induced proliferation-associated 1 like 2 [Rattus norvegicus], gi\|81889098\|sp\|Q5JCS6.1\|SI1L2_RAT RecName: Full=Signal-induced proliferation-associated 1-like protein 2; Short=SIPA1-like protein 2; AltName: Full=Serine-rich synapse-associated protei | gi\|57527530 | 190 | 3 | 0 | 2 | 2 | 1 |
| 1785 | phosphoinositide-3-kinase, regulatory subunit 4 [Rattus norvegicus], gi\|149018701\|gb\|EDL77342.1\| phosphoinositide-3-kinase, regulatory subunit 4, p150 (predicted) [Rattus norvegicus] | gi\|157817604 (+1) | 149 | 2 | 0 | 2 | 2 | 0 |
| 1786 | RecName: Full=Vesicle transport through interaction with t-SNAREs homolog 1A; AltName: Full=Vesicle transport v-SNARE protein Vti1-like 2; AltName: Full=Vti1-rp2, gi\|9719422\|gb\|AAF97791.1\|AF262222_1 SNARE Vti1a-beta protein [Rattus norvegicus], gi\|1490404 | gi\|13124592 | 26 | 7 | 0 | 2 | 2 | 5 |
| 1787 | ADP-ribosylation factor guanine nucleotide-exchange factor 2 (brefeldin A-inhibited), isoform CRA_a [Rattus norvegicus] | gi\|149042855 (+1) | 200 | 5 | 0 | 2 | 2 | 3 |
| 1788 | protein phosphatase 1A, magnesium dependent, alpha isoform, isoform CRA_b [Rattus norvegicus] | gi\|149051427 (+1) | 30 | 5 | 4 | 0 | 1 | 4 |
| 1789 | aquarius (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149022936 (+1) | 169 | 6 | 1 | 0 | 0 | 6 |
| 1790 | contactin 4 [Rattus norvegicus], gi\|55976164\|sp\|Q62845.1\|CNTN4_RAT RecName: Full=Contactin-4; AltName: Full=Brain-derived immunoglobulin superfamily protein 2; Short=BIG-2; Flags: Precursor, gi\|1016012\|gb\|AAC52262.1\| neural cell adhesion protein BIG-2 pre | gi\|16758746 | 113 | 7 | 0 | 1 | 1 | 6 |
| 1791 | similar to transmembrane protein induced by tumor necrosis factor alpha, isoform CRA_c [Rattus norvegicus] | gi\|149063036 (+1) | 22 | 8 | 0 | 0 | 0 | 8 |
| 1792 | tumor protein D52-like 2, isoform CRA_b [Rattus norvegicus] | gi\|149033926 (+5) | 25 | 4 | 3 | 0 | 1 | 3 |
| 1793 | adaptin ear-binding clathrin-associated protein [Rattus norvegicus], gi\|62286965\|sp\|P69682.1\|NECP1_RAT RecName: Full=Adaptin ear-binding coat-associated protein 1; AltName: Full=NECAP endocytosis-associated protein 1; Short=NECAP-1, gi\|67678331\|gb\|AAH9749 | gi\|71361625 | 30 | 8 | 0 | 0 | 0 | 8 |
| 1794 | alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, S. cerevisiae) [Rattus norvegicus], gi\|149055561\|gb\|EDM07145.1\| alpha thalassemia/mental retardation syndrome X-linked homolog (human) [Rattus norvegicus] | gi\|157786740 | 101 | 4 | 4 | 0 | 1 | 3 |
| 1795 | nuclear assembly factor 1 homolog [Rattus norvegicus], gi\|81909058\|sp\|Q52KK4.1\|NAF1_RAT RecName: Full=H/ACA ribonucleoprotein complex non-core subunit NAF1, gi\|62871622\|gb\|AAH94302.1\| Nuclear assembly factor 1 homolog (S. cerevisiae) [Rattus norvegicus] | gi\|67078478 | 50 | 9 | 0 | 0 | 0 | 9 |
| 1796 | cyclin G associated kinase [Rattus norvegicus], gi\|2829846\|sp\|P97874.1\|GAK_RAT RecName: Full=Cyclin G-associated kinase, gi\|1902913\|dbj\|BAA18911.1\| cyclinG-associated kinase [Rattus norvegicus] | gi\|13591947 | 144 | 3 | 1 | 3 | 3 | 0 |
| 1797 | PREDICTED: similar to peptidylprolyl isomerase (cyclophilin)-like 1 [Rattus norvegicus], gi\|149043508\|gb\|EDL96959.1\| peptidylprolyl isomerase (cyclophilin)-like 1, isoform CRA_b [Rattus norvegicus] | gi\|109509766 (+1) | 16 | 5 | 1 | 0 | 0 | 5 |
| 1798 | ubiquitin fusion degradation 1-like [Rattus norvegicus], gi\|81881868\|sp\|Q9ES53.1\|UFD1_RAT RecName: Full=Ubiquitin fusion degradation protein 1 homolog; Short=UB fusion protein 1, gi\|11037254\|gb\|AAG27535.1\|AF234601_1 UFD1 [Rattus norvegicus], gi\|149019812\| | gi\|16758158 | 34 | 7 | 2 | 0 | 1 | 6 |
| 1799 | pyridoxine 5'-phosphate oxidase [Rattus norvegicus], gi\|37082100\|sp\|O88794.1\|PNPO_RAT RecName: Full=Pyridoxine-5'-phosphate oxidase; AltName: Full=Pyridoxamine-phosphate oxidase, gi\|3237304\|gb\|AAC23707.1\| pyridoxine 5'-phosphate oxidase [Rattus norvegicus | gi\|12018270 | 30 | 6 | 2 | 0 | 1 | 5 |
| 1800 | retinaldehyde binding protein 1 [Rattus norvegicus], gi\|149057252\|gb\|EDM08575.1\| retinaldehyde binding protein 1 (predicted), isoform CRA_a [Rattus norvegicus], gi\|149057253\|gb\|EDM08576.1\| retinaldehyde binding protein 1 (predicted), isoform CRA_a [Rattus | gi\|157820375 | 36 | 5 | 2 | 0 | 1 | 4 |
| 1801 | profilin 2 [Rattus norvegicus], gi\|9547318\|gb\|AAF86616.1\| profilin II [Rattus norvegicus] | gi\|13540707 (+2) | 16 | 3 | 4 | 0 | 1 | 2 |
| 1802 | ubiquitin-like 4 [Rattus norvegicus], gi\|149029858\|gb\|EDL84970.1\| ubiquitin-like 4a (predicted) [Rattus norvegicus], gi\|183985864\|gb\|AAI66513.1\| Ubiquitin-like 4 [Rattus norvegicus] | gi\|157822017 | 18 | 9 | 0 | 0 | 0 | 9 |
| 1803 | immunoglobulin binding protein 1 [Rattus norvegicus], gi\|14285494\|sp\|O08836.2\|IGBP1_RAT RecName: Full=Immunoglobulin-binding protein 1; AltName: Full=CD79a-binding protein 1; AltName: Full=Alpha4 phosphoprotein, gi\|7109702\|gb\|AAD05364.2\| alpha4 phosphopro | gi\|13928860 | 39 | 2 | 6 | 0 | 2 | 0 |
| 1804 | rCG30854 [Rattus norvegicus] | gi\|149023940 (+1) | 31 | 8 | 0 | 0 | 0 | 8 |
| 1805 | rCG46917, isoform CRA_c [Rattus norvegicus] | gi\|149064442 (+2) | 35 | 5 | 0 | 0 | 0 | 5 |
| 1806 | rCG47908 [Rattus norvegicus] | gi\|149062249 (+1) | 46 | 6 | 0 | 1 | 1 | 5 |
| 1807 | zinc finger protein 162 [Rattus norvegicus] | gi\|149062177 | 63 | 2 | 5 | 0 | 2 | 0 |
| 1808 | phosphate cytidylyltransferase 2, ethanolamine [Rattus norvegicus], gi\|30580471\|sp\|O88637.1\|PCY2_RAT RecName: Full=Ethanolamine-phosphate cytidylyltransferase; AltName: Full=Phosphorylethanolamine transferase; AltName: Full=CTP:phosphoethanolamine cytidyl | gi\|16758340 (+1) | 45 | 1 | 4 | 0 | 1 | 0 |
| 1809 | rCG20735, isoform CRA_a [Rattus norvegicus] | gi\|149025102 (+1) | 46 | 7 | 1 | 0 | 0 | 7 |
| 1810 | rCG48290 [Rattus norvegicus] | gi\|149062546 | 163 | 5 | 0 | 0 | 0 | 5 |
| 1811 | proteasome maturation protein [Rattus norvegicus], gi\|146160676\|gb\|ABQ08567.1\| voltage-gated potassium channel beta subunit 4.1 [Rattus norvegicus], gi\|149034831\|gb\|EDL89551.1\| similar to chromosome 13 open reading frame 12 (predicted) [Rattus norvegicus] | gi\|155369273 | 16 | 7 | 0 | 0 | 0 | 7 |
| 1812 | amino-terminal enhancer of split, isoform CRA_b [Rattus norvegicus] | gi\|149034403 (+1) | 16 | 8 | 0 | 0 | 0 | 8 |
| 1813 | arrestin, beta 1 [Rattus norvegicus], gi\|114213\|sp\|P29066.1\|ARRB1_RAT RecName: Full=Beta-arrestin-1; AltName: Full=Arrestin beta-1, gi\|203102\|gb\|AAA74459.1\| beta-arrestin 1 | gi\|6978537 | 47 | 3 | 4 | 0 | 1 | 2 |
| 1814 | LSM1 homolog, U6 small nuclear RNA associated [Rattus norvegicus], gi\|149057826\|gb\|EDM09069.1\| LSM1 homolog, U6 small nuclear RNA associated (S. | gi\|157820263 | 15 | 8 | 0 | 0 | 0 | 8 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | cerevisiae) (predicted) [Rattus norvegicus] | | | | | | | |
| 1815 | apolipoprotein H (beta-2-glycoprotein I) [Rattus norvegicus], gi\|56971279\|gb\|AAH88180.1\| Apolipoprotein H (beta-2-glycoprotein I) [Rattus norvegicus], gi\|149054630\|gb\|EDM06447.1\| apolipoprotein H [Rattus norvegicus] | gi\|57528174 (+1) | 38 | 8 | 0 | 0 | 0 | 8 |
| 1816 | RAB28, member RAS oncogene family, isoform CRA_a [Rattus norvegicus], gi\|149047306\|gb\|EDL99975.1\| RAB28, member RAS oncogene family, isoform CRA_a [Rattus norvegicus] | gi\|149047303 (+4) | 22 | 2 | 6 | 0 | 2 | 0 |
| 1817 | similar to Hypothetical protein 9030012M21 (predicted) [Rattus norvegicus] | gi\|149055134 | 15 | 0 | 2 | 0 | 1 | 0 |
| 1818 | transmembrane protein 43 [Rattus norvegicus], gi\|81883820\|sp\|Q5XIP9.1\|TMM43_RAT RecName: Full=Transmembrane protein 43; AltName: Full=Protein LUMA, gi\|53733447\|gb\|AAH83626.1\| Transmembrane protein 43 [Rattus norvegicus], gi\|149036751\|gb\|EDL91369.1\| transm | gi\|56090383 | 45 | 7 | 0 | 0 | 0 | 7 |
| 1819 | PREDICTED: similar to poliovirus receptor-related 1 [Rattus norvegicus], gi\|109484587\|ref\|XP_001066246.1\| PREDICTED: similar to poliovirus receptor-related 1 [Rattus norvegicus], gi\|149041428\|gb\|EDL95269.1\| poliovirus receptor-related 1 [Rattus norvegicus | gi\|62653566 | 57 | 8 | 0 | 0 | 0 | 8 |
| 1820 | eukaryotic translation initiation factor 4B [Rattus norvegicus], gi\|55715687\|gb\|AAH85933.1\| Eukaryotic translation initiation factor 4B [Rattus norvegicus], gi\|149031954\|gb\|EDL86866.1\| eukaryotic translation initiation factor 4B [Rattus norvegicus] | gi\|56605726 | 69 | 9 | 0 | 0 | 0 | 9 |
| 1821 | NudC domain containing 2 [Rattus norvegicus], gi\|67460619\|sp\|Q5M823.1\|NUDC2_RAT RecName: Full=NudC domain-containing protein 2, gi\|56789209\|gb\|AAH88299.1\| NudC domain containing 2 [Rattus norvegicus], gi\|149052297\|gb\|EDM04114.1\| NudC domain containing 2, | gi\|57526823 | 18 | 8 | 0 | 0 | 0 | 8 |
| 1822 | secretory isoform of TSLC1 [Rattus norvegicus] | gi\|110349989 (+4) | 37 | 9 | 0 | 0 | 0 | 9 |
| 1823 | golgi phosphoprotein 3 [Mus musculus], gi\|62461580\|ref\|NP_076467.2\| golgi phosphoprotein 3 (coat-protein) [Rattus norvegicus], gi\|50400632\|sp\|Q9CRA5.1\|GOLP3_MOUSE RecName: Full=Golgi phosphoprotein 3; AltName: Full=Coat protein GPP34, gi\|12838867\|dbj\|BAB2 | gi\|14140240 (+1) | 34 | 8 | 0 | 0 | 0 | 8 |
| 1824 | THUMP domain containing 1 [Rattus norvegicus], gi\|56585045\|gb\|AAH87659.1\| THUMP domain containing 1 [Rattus norvegicus] | gi\|57527375 | 39 | 0 | 8 | 0 | 3 | 0 |
| 1825 | centrin 2, isoform CRA_a [Rattus norvegicus] | gi\|149027095 (+2) | 20 | 7 | 2 | 0 | 1 | 6 |
| 1826 | exocyst complex component 4, isoform CRA_a [Rattus norvegicus] | gi\|149065217 (+2) | 109 | 2 | 0 | 0 | 0 | 2 |
| 1827 | RecName: Full=60S ribosomal protein L13a, gi\|460776\|emb\|CAA48343.1\| rat ribosomal protein L13a [Rattus norvegicus] | gi\|548747 (+1) | 23 | 6 | 0 | 0 | 0 | 6 |
| 1828 | RNA binding motif protein 16 [Rattus norvegicus], gi\|1438530\|gb\|AAC52656.1\| rA8 | gi\|20806133 | 140 | 0 | 9 | 0 | 3 | 0 |
| 1829 | Cu/Zn superoxide dismutase [Rattus norvegicus] | gi\|1213217 (+4) | 16 | 7 | 0 | 0 | 0 | 7 |
| 1830 | rCG41948, isoform CRA_a [Rattus norvegicus] | gi\|149032877 (+1) | 28 | 5 | 2 | 0 | 1 | 4 |
| 1831 | RecName: Full=Neurexin-2-alpha; AltName: Full=Neurexin II-alpha; Flags: Precursor | gi\|124106289 (+5) | 185 | 5 | 0 | 2 | 2 | 3 |
| 1832 | WD repeat domain 48 (predicted) [Rattus norvegicus] | gi\|149018256 | 80 | 6 | 0 | 0 | 0 | 6 |
| 1833 | rCG52465, isoform CRA_a [Rattus norvegicus] | gi\|149033399 (+1) | 63 | 7 | 0 | 1 | 1 | 6 |
| 1834 | oxysterol binding protein-like 2 [Rattus norvegicus], gi\|60552731\|gb\|AAH91208.1\| Oxysterol binding protein-like 2 [Rattus norvegicus], gi\|149034041\|gb\|EDL88824.1\| oxysterol binding protein-like 2, isoform CRA_b [Rattus norvegicus] | gi\|61556891 | 55 | 5 | 2 | 0 | 1 | 4 |
| 1835 | IMP (inosine monophosphate) dehydrogenase 1 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149065132 (+1) | 55 | 4 | 0 | 1 | 1 | 3 |
| 1836 | PREDICTED: neural cell adhesion molecule L1 [Rattus norvegicus], gi\|149029901\|gb\|EDL85013.1\| rCG43874 [Rattus norvegicus] | gi\|109462307 | 126 | 4 | 3 | 0 | 1 | 3 |
| 1837 | Rtf1, Paf1/RNA polymerase II complex component, homolog [Rattus norvegicus], gi\|149023028\|gb\|EDL79922.1\| Rtf1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) (predicted) [Rattus norvegicus] | gi\|157822517 | 49 | 1 | 6 | 0 | 2 | 0 |
| 1838 | geranylgeranyl diphosphate synthase 1 [Rattus norvegicus], gi\|81891588\|sp\|Q6F596.1\|GGPPS_RAT RecName: Full=Geranylgeranyl pyrophosphate synthetase; Short=GGPP synthetase; Short=GGPPSase; AltName: Full=Geranylgeranyl diphosphate synthase; Includes: RecName | gi\|56090562 | 35 | 3 | 3 | 0 | 1 | 2 |
| 1839 | Chain A, Crystal Structure Of The Conserved Core Of Protein Arginine Methyltransferase Prmt3 | gi\|13787051 (+1) | 36 | 5 | 0 | 2 | 2 | 3 |
| 1840 | phosphatidylinositol 4-kinase a [Rattus norvegicus], gi\|1944499\|dbj\|BAA19614.1\| 230kDa phosphatidylinositol 4-kinase [Rattus norvegicus] | gi\|25742825 | 231 | 6 | 0 | 2 | 2 | 4 |
| 1841 | DEAH (Asp-Glu-Ala-His) box polypeptide 38 [Rattus norvegicus], gi\|149038137\|gb\|EDL92497.1\| DEAH (Asp-Glu-Ala-His) box polypeptide 38 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157822135 | 139 | 5 | 2 | 1 | 2 | 3 |
| 1842 | PREDICTED: similar to Endoribonuclease Dicer (Double-strand-specific ribonuclease mDCR-1) [Rattus norvegicus], gi\|109479876\|ref\|XP_001069041.1\| PREDICTED: similar to Endoribonuclease Dicer (Double-strand-specific ribonuclease mDCR-1) [Rattus norvegicus], | gi\|109478606 | 217 | 6 | 1 | 1 | 1 | 5 |
| 1843 | LUC7-like (S. cerevisiae), isoform CRA_a [Rattus norvegicus] | gi\|149052188 (+2) | 38 | 4 | 2 | 1 | 2 | 2 |
| 1844 | similar to LIM and senescent cell antigen-like domains 1 (predicted), isoform CRA_c [Rattus norvegicus] | gi\|149038802 | 38 | 5 | 0 | 3 | 3 | 2 |
| 1845 | ephrin B3 [Rattus norvegicus], gi\|149053051\|gb\|EDM04868.1\| ephrin B3 (predicted) [Rattus norvegicus] | gi\|158303312 (+1) | 36 | 6 | 0 | 0 | 0 | 6 |
| 1846 | tumor susceptibility gene 101 [Rattus norvegicus], gi\|71153364\|sp\|Q6IRE4.1\|TS101_RAT RecName: Full=Tumor susceptibility gene 101 protein; AltName: Full=ESCRT-I complex subunit TSG101, gi\|47718036\|gb\|AAH70951.1\| Tumor susceptibility gene 101 [Rattus norveg | gi\|48374087 | 44 | 6 | 2 | 0 | 1 | 5 |
| 1847 | kinesin light chain 2 (predicted), isoform CRA_b [Rattus norvegicus], gi\|183985977\|gb\|AAI66555.1\| Klc2 protein [Rattus norvegicus] | gi\|149062042 | 69 | 5 | 0 | 0 | 0 | 5 |
| 1848 | neurexin 3 [Rattus norvegicus], gi\|17367337\|sp\|Q07310.1\|NRX3A_RAT RecName: Full=Neurexin-3-alpha; AltName: Full=Neurexin III-alpha; Flags: Precursor, gi\|294601\|gb\|AAA02857.1\| neurexin III-alpha [Rattus norvegicus] | gi\|168823431 (+7) | 174 | 7 | 0 | 0 | 0 | 7 |
| 1849 | RecName: Full=Fibronectin; Short=FN; Flags: Precursor, gi\|56164\|emb\|CAA34020.1\| precursor polypeptide (AA -32 to 2445) [Rattus norvegicus] | gi\|120178 (+5) | 273 | 4 | 2 | 0 | 1 | 3 |
| 1850 | component of oligomeric golgi complex 7 [Rattus norvegicus], gi\|123780891\|sp\|Q3T1G7.1\|COG7_RAT RecName: Full=Conserved oligomeric Golgi complex subunit 7; Short=COG complex subunit 7; AltName: Full=Component of oligomeric Golgi complex 7, gi\|74354456\|gb\|A | gi\|76559913 | 86 | 6 | 0 | 0 | 0 | 6 |
| 1851 | coiled-coil domain containing 104 [Rattus norvegicus], gi\|81908690\|sp\|Q4V8E4.1\|CC104_RAT RecName: Full=Coiled-coil domain-containing protein 104, gi\|66910609\|gb\|AAH97425.1\| Coiled-coil domain containing 104 [Rattus norvegicus], gi\|149044840\|gb\|EDL98026.1\| | gi\|67846002 | 40 | 4 | 2 | 0 | 1 | 3 |
| 1852 | dynamin 2, isoform CRA_b [Rattus norvegicus] | gi\|149020487 (+3) | 97 | 8 | 0 | 0 | 0 | 8 |
| 1853 | rCG25777, isoform CRA_a [Rattus norvegicus] | gi\|149018671 (+2) | 42 | 3 | 5 | 0 | 2 | 1 |
| 1854 | AKT1 substrate 1 (proline-rich) (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149056020 (+1) | 26 | 7 | 0 | 0 | 0 | 7 |
| 1855 | inositol polyphosphate-5-phosphatase K [Rattus norvegicus], gi\|53734361\|gb\|AAH83572.1\| Inositol polyphosphate-5-phosphatase K [Rattus norvegicus], gi\|149053417\|gb\|EDM05234.1\| similar to putative phosphoinositide 5-phosphatase type II; C62, isoform CRA_b [ | gi\|62078453 | 52 | 6 | 0 | 0 | 0 | 6 |
| 1856 | vitamin K epoxide reductase complex, subunit 1-like 1 [Rattus norvegicus], gi\|46309457\|ref\|NP_081397.1\| vitamin K epoxide reductase complex, subunit 1-like 1 isoform 1 [Mus musculus], gi\|62511142\|sp\|Q6TEK3.1\|VKORL_RAT RecName: Full=Vitamin K epoxide reduc | gi\|42627869 | 20 | 7 | 0 | 0 | 0 | 7 |
| 1857 | zinc binding alcohol dehydrogenase, domain containing 1, isoform CRA_d [Rattus norvegicus] | gi\|149025118 (+2) | 36 | 4 | 2 | 0 | 1 | 3 |
| 1858 | golgi autoantigen, golgin subfamily a, 2 [Rattus norvegicus], gi\|6226622\|sp\|Q62839.2\|GOGA2_RAT RecName: Full=Golgin subfamily A member 2; AltName: Full=Cis-Golgi matrix protein GM130, gi\|4583537\|gb\|AAB53335.2\| cis-Golgi matrix protein GM130 [Rattus norveg | gi\|12018260 (+3) | 111 | 2 | 5 | 0 | 2 | 0 |
| 1859 | ras homolog gene family, member C precursor [Homo sapiens], gi\|111494248\|ref\|NP_001036143.1\| ras homolog gene family, member C precursor [Homo sapiens], gi\|111494251\|ref\|NP_001036144.1\| ras homolog gene family, member C precursor [Homo sapiens], gi\|114051 | gi\|28395033 | 22 | 7 | 0 | 0 | 0 | 7 |
| 1860 | ras homolog gene family, member E [Homo sapiens], gi\|13386354\|ref\|NP_083086.1\| Rho family GTPase 3 [Mus musculus], gi\|56090636\|ref\|NP_001007642.1\| Rho family GTPase 3 [Rattus norvegicus], gi\|149642559\|ref\|NP_001092574.1\| ras homolog gene family, member E | gi\|4885069 | 27 | 5 | 0 | 0 | 0 | 5 |
| 1861 | 4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans), isoform CRA_e [Rattus norvegicus] | gi\|149047581 (+2) | 31 | 7 | 0 | 0 | 0 | 7 |
| 1862 | golgi associated, gamma adaptin ear containing, ARF binding protein 2, isoform CRA_c [Rattus norvegicus], gi\|149068025\|gb\|EDM17577.1\| golgi associated, gamma adaptin ear containing, ARF binding protein 2, isoform CRA_c [Rattus norvegicus] | gi\|149068024 (+2) | 38 | 4 | 0 | 4 | 4 | 0 |
| 1863 | basophilic leukemia expressed protein BLES03 [Rattus norvegicus], gi\|149062065\|gb\|EDM12488.1\| rCG47431 [Rattus norvegicus] | gi\|208431797 (+1) | 31 | 3 | 4 | 0 | 1 | 2 |
| 1864 | sorting nexin 2 (predicted), isoform CRA_d [Rattus norvegicus] | gi\|149064255 | 16 | 6 | 0 | 0 | 0 | 6 |
| 1865 | similar to RIKEN cDNA 2810037C14, isoform CRA_a [Rattus norvegicus] | gi\|149046597 | 27 | 7 | 0 | 0 | 0 | 7 |
| 1866 | tropomodulin 3 [Rattus norvegicus], gi\|50926223\|gb\|AAH79290.1\| Tropomodulin 3 [Rattus norvegicus], gi\|149019151\|gb\|EDL77792.1\| rCG25684, isoform CRA_a [Rattus norvegicus] | gi\|58865562 | 39 | 7 | 0 | 0 | 0 | 7 |
| 1867 | rCG22798 [Rattus norvegicus] | gi\|149027867 | 38 | 5 | 0 | 0 | 0 | 5 |
| 1868 | Bcl2-associated athanogene 1 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149045648 | 25 | 4 | 4 | 0 | 1 | 3 |
| 1869 | Dr1 associated protein 1 (negative cofactor 2 alpha) [Rattus norvegicus], gi\|160380648\|sp\|A0JPP1.1\|NC2A_RAT RecName: Full=Dr1-associated corepressor; AltName: Full=Dr1-associated protein 1; AltName: Full=Negative co-factor 2-alpha; Short=NC2-alpha, gi\|117 | gi\|117940017 (+1) | 22 | 4 | 4 | 0 | 1 | 3 |
| 1870 | synuclein SYN2 [Rattus sp.], gi\|149037058\|gb\|EDL91619.1\| synuclein, alpha, isoform CRA_b [Rattus norvegicus] | gi\|241081 (+1) | 16 | 8 | 0 | 0 | 0 | 8 |
| 1871 | RecName: Full=Protein Shroom2; AltName: Full=Protein Apxl; AltName: Full=Liver regeneration-related protein LRRG167, gi\|33086604\|gb\|AAP92614.1\| Ab2-404 [Rattus norvegicus] | gi\|81865305 | 158 | 4 | 3 | 0 | 1 | 3 |
| 1872 | RAB, member RAS oncogene family-like 5 [Rattus norvegicus], gi\|81882802\|sp\|Q5FVJ7.1\|RABL5_RAT RecName: Full=Rab-like protein 5, gi\|58476859\|gb\|AAH89940.1\| RAB, member RAS oncogene family-like 5 [Rattus norvegicus], gi\|149062983\|gb\|EDM13306.1\| rCG21413, is | gi\|58865382 | 21 | 6 | 2 | 0 | 1 | 5 |
| 1873 | PREDICTED: similar to Sortilin-related receptor precursor (Sorting protein-related receptor containing LDLR class A repeats) (mSorLA) (SorLA-1) (Low-density lipoprotein receptor relative with 11 ligand-binding repeats) (LDLR relative with 11 ligand-bindin | gi\|109484566 | 257 | 6 | 0 | 0 | 0 | 6 |
| 1874 | PREDICTED: similar to spindle pole body component 24 homolog [Rattus norvegicus], gi\|109484372\|ref\|XP_001077474.1\| PREDICTED: similar to spindle pole body component 24 homolog [Rattus norvegicus] | gi\|62653328 | 23 | 0 | 7 | 0 | 2 | 0 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1875 | ATP synthase, H+ transporting, mitochondrial F0 complex, subunit B1 [Rattus norvegicus], gi\|114625\|sp\|P19511.1\|AT5F1_RAT RecName: Full=ATP synthase subunit b, mitochondrial; Flags: Precursor, gi\|207089\|gb\|AAA42187.1\| F-0-ATPase subunit b precursor, gi\|396 | gi\|19705465 | 29 | 7 | 0 | 0 | 0 | 7 |
| 1876 | RecName: Full=60S ribosomal protein L26, gi\|57692\|emb\|CAA32801.1\| unnamed protein product [Rattus rattus], gi\|226411\|prf\|\|1511091A ribosomal protein L26 | gi\|132827 (+2) | 17 | 5 | 0 | 0 | 0 | 5 |
| 1877 | rCG34221, isoform CRA_a [Rattus norvegicus], gi\|149052511\|gb\|EDM04328.1\| rCG34221, isoform CRA_a [Rattus norvegicus], gi\|149052512\|gb\|EDM04329.1\| rCG34221, isoform CRA_a [Rattus norvegicus] | gi\|149052510 (+1) | 16 | 8 | 0 | 0 | 0 | 8 |
| 1878 | brain lipid binding protein [Rattus norvegicus], gi\|1706751\|sp\|P55051.2\|FABP7_RAT RecName: Full=Fatty acid-binding protein, brain; AltName: Full=B-FABP; AltName: Full=Fatty acid-binding protein 7; AltName: Full=Brain lipid-binding protein; Short=BLBP, gi\| | gi\|13540630 (+1) | 15 | 0 | 7 | 0 | 2 | 0 |
| 1879 | acyl-CoA synthetase short-chain family member 2 [Rattus norvegicus], gi\|149030886\|gb\|EDL85913.1\| acyl-CoA synthetase short-chain family member 2 (predicted) [Rattus norvegicus] | gi\|157823265 | 79 | 3 | 2 | 1 | 2 | 1 |
| 1880 | AP1 gamma subunit binding protein 1 [Rattus norvegicus], gi\|119351043\|gb\|ABL63417.1\| AP1 gamma subunit binding protein 1 [Rattus norvegicus] | gi\|119351041 (+4) | 122 | 5 | 0 | 1 | 1 | 4 |
| 1881 | PREDICTED: similar to la related protein isoform 2 [Rattus norvegicus] | gi\|109488127 (+2) | 127 | 5 | 0 | 0 | 0 | 5 |
| 1882 | guanine nucleotide binding protein, alpha 13 [Rattus norvegicus], gi\|45439860\|gb\|AAS64389.1\| Galpha13 [Rattus norvegicus], gi\|45439862\|gb\|AAS64390.1\| Galpha13 [Rattus norvegicus], gi\|71089931\|gb\|AAZ23820.1\| guanine nucleotide binding protein alpha 13 [Rat | gi\|61557003 | 44 | 4 | 0 | 0 | 0 | 4 |
| 1883 | aldehyde dehydrogenase family 9, subfamily A1 [Rattus norvegicus] | gi\|149058126 | 56 | 3 | 3 | 0 | 1 | 2 |
| 1884 | phosphodiesterase 4B, cAMP specific, isoform CRA_b [Rattus norvegicus] | gi\|149044592 (+5) | 82 | 4 | 0 | 3 | 3 | 1 |
| 1885 | RAB9A, member RAS oncogene family [Rattus norvegicus], gi\|12240243\|gb\|AAG49586.1\|AF325692_1 small GTP binding protein Rab9 [Rattus norvegicus] | gi\|16758200 (+1) | 23 | 5 | 0 | 0 | 0 | 5 |
| 1886 | methyl-CpG binding domain protein 3 (predicted), isoform CRA_c [Rattus norvegicus], gi\|149034546\|gb\|EDL89283.1\| methyl-CpG binding domain protein 3 (predicted), isoform CRA_c [Rattus norvegicus] | gi\|149034545 (+2) | 28 | 6 | 0 | 0 | 0 | 6 |
| 1887 | phosphomannomutase 1 [Rattus norvegicus], gi\|55778535\|gb\|AAH86346.1\| Phosphomannomutase 1 [Rattus norvegicus], gi\|149065812\|gb\|EDM15685.1\| phosphomannomutase 1, isoform CRA_c [Rattus norvegicus] | gi\|56605724 | 30 | 5 | 2 | 0 | 1 | 4 |
| 1888 | tubulin polymerization-promoting protein family member 3 [Rattus norvegicus], gi\|81883217\|sp\|Q5PPN5.1\|TPPP3_RAT RecName: Full=Tubulin polymerization-promoting protein family member 3, gi\|56270104\|gb\|AAH87585.1\| Tubulin polymerization-promoting protein fam | gi\|57526937 | 19 | 4 | 3 | 0 | 1 | 3 |
| 1889 | protein phosphatase 1, regulatory subunit 9B [Rattus norvegicus], gi\|13431725\|sp\|O35274.1\|NEB2_RAT RecName: Full=Neurabin-2; AltName: Full=Neurabin-II; AltName: Full=Spinophilin; AltName: Full=Protein phosphatase 1 regulatory subunit 9B; AltName: Full=Neu | gi\|16758226 | 90 | 4 | 3 | 0 | 1 | 3 |
| 1890 | PIH1 domain containing 1 [Rattus norvegicus], gi\|81908644\|sp\|Q4V7F5.1\|PIHD1_RAT RecName: Full=PIH1 domain-containing protein 1, gi\|66910894\|gb\|AAH97946.1\| PIH1 domain containing 1 [Rattus norvegicus] | gi\|67846006 | 32 | 5 | 0 | 0 | 0 | 5 |
| 1891 | protein phosphatase 5, catalytic subunit [Rattus norvegicus], gi\|1709745\|sp\|P53042.1\|PPP5_RAT RecName: Full=Serine/threonine-protein phosphatase 5; Short=PP5; AltName: Full=Protein phosphatase T; Short=PPT, gi\|663080\|emb\|CAA54454.1\| protein phosphatase T | gi\|13929024 (+2) | 57 | 2 | 4 | 0 | 1 | 1 |
| 1892 | rCG29232, isoform CRA_a [Rattus norvegicus] | gi\|149034494 (+1) | 36 | 3 | 0 | 3 | 3 | 0 |
| 1893 | PREDICTED: hypothetical protein [Rattus norvegicus] | gi\|109471980 (+2) | 113 | 5 | 1 | 0 | 0 | 5 |
| 1894 | acid phosphatase 1, soluble isoform A [Rattus norvegicus], gi\|46577669\|sp\|P41498.3\|PPAC_RAT RecName: Full=Low molecular weight phosphotyrosine protein phosphatase; Short=LMW-PTPase; Short=LMW-PTP; AltName: Full=Low molecular weight cytosolic acid phosphat | gi\|10863989 (+4) | 18 | 3 | 4 | 0 | 1 | 2 |
| 1895 | p34 protein [Rattus norvegicus], gi\|62286958\|sp\|Q9R0Z7.1\|P34_RAT RecName: Full=Alpha- and gamma-adaptin-binding protein p34, gi\|5802951\|gb\|AAD51852.1\|AF178669_1 p34 [Rattus norvegicus], gi\|149041934\|gb\|EDL95775.1\| p34 protein [Rattus norvegicus] | gi\|19705519 | 34 | 7 | 0 | 0 | 0 | 7 |
| 1896 | serine/threonine kinase 38 [Rattus norvegicus] | gi\|149043496 | 54 | 4 | 0 | 0 | 0 | 4 |
| 1897 | GRIP and coiled-coil domain containing 2 [Rattus norvegicus], gi\|149038803\|gb\|EDL93092.1\| LIM and senescent cell antigen-like domains 1 (predicted) [Rattus norvegicus] | gi\|157821653 | 195 | 0 | 4 | 0 | 1 | 0 |
| 1898 | Chain A, Tao2 Kinase Domain-Staurosporine Structure, gi\|114794046\|pdb\|2GCD\|B Chain B, Tao2 Kinase Domain-Staurosporine Structure | gi\|114794045 (+5) | 35 | 6 | 0 | 1 | 1 | 5 |
| 1899 | similar to RIKEN cDNA 1810043G02; DNA segment, Chr 10, Johns Hopkins University 13, expressed, isoform CRA_a [Rattus norvegicus] | gi\|149043618 (+1) | 38 | 4 | 0 | 2 | 2 | 2 |
| 1900 | capping protein (actin filament), gelsolin-like [Rattus norvegicus], gi\|81884568\|sp\|Q6AYC4.1\|CAPG_RAT RecName: Full=Macrophage-capping protein; AltName: Full=Actin regulatory protein CAP-G, gi\|50926963\|gb\|AAH79104.1\| Capping protein (actin filament), gels | gi\|61556900 | 39 | 2 | 3 | 0 | 1 | 1 |
| 1901 | rCG32280, isoform CRA_a [Rattus norvegicus] | gi\|149042791 (+2) | 29 | 5 | 0 | 1 | 1 | 4 |
| 1902 | Vascular cell adhesion molecule 1 [Rattus norvegicus] | gi\|57472 (+1) | 81 | 6 | 0 | 0 | 0 | 6 |
| 1903 | tRNA methyltransferase 1 [Rattus norvegicus], gi\|54648673\|gb\|AAH85126.1\| TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae) [Rattus norvegicus] | gi\|62078475 | 48 | 5 | 2 | 0 | 1 | 4 |
| 1904 | hypothetical protein LOC304554 [Rattus norvegicus], gi\|149063670\|gb\|EDM13993.1\| similar to Seizure 6-like protein precursor (predicted) [Rattus norvegicus] | gi\|197386835 | 105 | 5 | 2 | 0 | 1 | 4 |
| 1905 | component of oligomeric golgi complex 8 [Rattus norvegicus], gi\|149038104\|gb\|EDL92464.1\| component of oligomeric golgi complex 8 (predicted), isoform CRA_b [Rattus norvegicus], gi\|149038106\|gb\|EDL92466.1\| component of oligomeric golgi complex 8 (predicted | gi\|157818521 | 71 | 6 | 1 | 0 | 0 | 6 |
| 1906 | ribulose-5-phosphate-3-epimerase [Mus musculus], gi\|34924979\|sp\|Q8VEE0.1\|RPE_MOUSE RecName: Full=Ribulose-phosphate 3-epimerase; AltName: Full=Ribulose-5-phosphate-epimerase, gi\|17512311\|gb\|AAH19126.1\| Ribulose-5-phosphate-3-epimerase [Mus musculus], gi\|2 | gi\|27532955 (+1) | 25 | 4 | 2 | 0 | 1 | 3 |
| 1907 | replication factor C (activator 1) 5 [Rattus norvegicus], gi\|149063502\|gb\|EDM13825.1\| replication factor C (activator 1) 5 (predicted) [Rattus norvegicus], gi\|197245812\|gb\|AAI68902.1\| Replication factor C (activator 1) 5 [Rattus norvegicus] | gi\|157821267 | 38 | 7 | 0 | 0 | 0 | 7 |
| 1908 | similar to CG9643-PA (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149061310 | 27 | 2 | 4 | 0 | 1 | 1 |
| 1909 | DNA-damage inducible protein 2 [Rattus norvegicus], gi\|66910571\|gb\|AAH97361.1\| DNA-damage inducible protein 2 [Rattus norvegicus] | gi\|77628010 | 34 | 4 | 2 | 0 | 1 | 3 |
| 1910 | tumor protein p53 inducible protein 11 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149022691 (+1) | 22 | 7 | 0 | 0 | 0 | 7 |
| 1911 | EAP30 subunit of ELL complex [Rattus norvegicus], gi\|73919325\|sp\|Q5RK19.1\|SNF8_RAT RecName: Full=Vacuolar-sorting protein SNF8; AltName: Full=ESCRT-II complex subunit VPS22; AltName: Full=ELL-associated protein of 30 kDa, gi\|55778429\|gb\|AAH86364.1\| SNF8, | gi\|56119120 | 29 | 4 | 0 | 0 | 0 | 4 |
| 1912 | hypothetical protein LOC313551 [Rattus norvegicus], gi\|149035452\|gb\|EDL90133.1\| similar to chromosome 1 open reading frame 50 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157818445 | 22 | 4 | 2 | 0 | 1 | 3 |
| 1913 | alpha-1-microglobulin/bikunin precursor [Rattus norvegicus], gi\|2497697\|sp\|Q64240.1\|AMBP_RAT RecName: Full=Protein AMBP; Contains: RecName: Full=Alpha-1-microglobulin; Contains: RecName: Full=Inter-alpha-trypsin inhibitor light chain; Short=ITI-LC; AltNam | gi\|6978497 | 39 | 0 | 7 | 0 | 2 | 0 |
| 1914 | rCG36987 [Rattus norvegicus] | gi\|149049964 (+1) | 54 | 0 | 7 | 0 | 2 | 0 |
| 1915 | type II keratin Kb23 [Rattus norvegicus], gi\|46485106\|tpg\|DAA02222.1\| TPA_exp: type II keratin Kb23 [Rattus norvegicus] | gi\|57012376 | 62 | 5 | 1 | 0 | 0 | 5 |
| 1916 | Nucleoside 2-deoxyribosyltransferase domain containing protein RGD620382 [Rattus norvegicus], gi\|71162354\|sp\|O35820.1\|RCL_RAT RecName: Full=c-Myc-responsive protein Rcl, gi\|2228586\|gb\|AAB95314.1\| RCL [Rattus norvegicus], gi\|149069385\|gb\|EDM18826.1\| Nucleo | gi\|19424174 | 18 | 1 | 6 | 0 | 2 | 0 |
| 1917 | PREDICTED: similar to NIPSNAP-related protein isoform 2 [Rattus norvegicus] | gi\|109476499 (+2) | 28 | 5 | 0 | 0 | 0 | 5 |
| 1918 | solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11, isoform CRA_b [Rattus norvegicus] | gi\|149053212 (+1) | 34 | 6 | 0 | 0 | 0 | 6 |
| 1919 | PREDICTED: similar to ribosomal protein L30 [Rattus norvegicus], gi\|109499117\|ref\|XP_001059720.1\| PREDICTED: similar to ribosomal protein L30 [Rattus norvegicus] | gi\|62659829 | 13 | 7 | 0 | 0 | 0 | 7 |
| 1920 | Tu translation elongation factor, mitochondrial (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149067903 (+2) | 42 | 6 | 0 | 0 | 0 | 6 |
| 1921 | seizure related 6 homolog (mouse)-like 2 [Rattus norvegicus], gi\|149067784\|gb\|EDM17336.1\| rCG40132, isoform CRA_a [Rattus norvegicus], gi\|149067785\|gb\|EDM17337.1\| rCG40132, isoform CRA_a [Rattus norvegicus] | gi\|157820407 | 99 | 5 | 0 | 0 | 0 | 5 |
| 1922 | synaptogyrin 1, isoform CRA_b [Rattus norvegicus] | gi\|149065893 (+3) | 18 | 4 | 0 | 0 | 0 | 4 |
| 1923 | mannose-P-dolichol utilization defect 1 [Rattus norvegicus], gi\|149053064\|gb\|EDM04881.1\| mannose-P-dolichol utilization defect 1 [Rattus norvegicus] | gi\|157822325 | 27 | 5 | 0 | 0 | 0 | 5 |
| 1924 | ribosomal protein S12 [Homo sapiens], gi\|40254577\|ref\|NP_035425.2\| ribosomal protein S12 [Mus musculus], gi\|47523784\|ref\|NP_999528.1\| ribosomal protein S12 [Sus scrofa], gi\|62461611\|ref\|NP_001014409.1\| ribosomal protein S12 [Bos taurus], gi\|78126139\|ref\|N | gi\|14277700 (+1) | 15 | 7 | 0 | 0 | 0 | 7 |
| 1925 | PREDICTED: similar to ribosomal protein S24 [Rattus norvegicus], gi\|109482126\|ref\|XP_001059563.1\| PREDICTED: similar to ribosomal protein S24 [Rattus norvegicus] | gi\|109480703 (+6) | 13 | 6 | 0 | 0 | 0 | 6 |
| 1926 | putatative 28 kDa protein, isoform CRA_b [Rattus norvegicus] | gi\|149044723 | 28 | 5 | 0 | 0 | 0 | 5 |
| 1927 | neurabin 1, isoform CRA_b [Rattus norvegicus] | gi\|149064939 (+1) | 146 | 2 | 5 | 0 | 2 | 0 |
| 1928 | PREDICTED: similar to opioid binding protein/cell adhesion molecule-like [Rattus norvegicus] | gi\|109458654 (+1) | 38 | 6 | 0 | 0 | 0 | 6 |
| 1929 | acireductone dioxygenase 1, isoform CRA_c [Rattus norvegicus] | gi\|149051048 (+2) | 18 | 4 | 3 | 0 | 1 | 3 |
| 1930 | PREDICTED: similar to Zwilch [Rattus norvegicus] | gi\|109483626 | 67 | 6 | 0 | 0 | 0 | 6 |
| 1931 | PREDICTED: similar to microsomal glutathione S-transferase 3 [Rattus norvegicus], gi\|109500416\|ref\|XP_001073485.1\| PREDICTED: similar to microsomal glutathione S-transferase 3 [Rattus norvegicus] | gi\|62660299 (+2) | 17 | 6 | 0 | 0 | 0 | 6 |
| 1932 | PREDICTED: similar to High mobility group protein 2 (HMG-2) [Rattus norvegicus], gi\|109494281\|ref\|XP_001063065.1\| PREDICTED: similar to High mobility group protein 2 (HMG-2) [Rattus norvegicus] | gi\|109493208 (+2) | 26 | 0 | 4 | 0 | 1 | 0 |
| 1933 | CDP-diacylglycerol synthase (phosphatidate cytidylyltransferase) 2 [Rattus norvegicus] | gi\|149023367 (+1) | 51 | 7 | 0 | 0 | 0 | 7 |
| 1934 | presenilin-1 [Rattus norvegicus], gi\|1589007\|prf\|\|2209430A presenilin 1 | gi\|1777326 (+1) | 53 | 7 | 0 | 0 | 0 | 7 |
| 1935 | PREDICTED: similar to cullin 7 isoform 1 [Rattus norvegicus], gi\|109485721\|ref\|XP_001056520.1\| PREDICTED: similar to cullin 7 isoform 3 [Rattus norvegicus], gi\|109486679\|ref\|XP_001062759.1\| PREDICTED: similar to cullin 7 isoform 1 [Rattus norvegicus], gi\| | gi\|109485719 (+2) | 193 | 2 | 1 | 0 | 0 | 2 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1936 | PREDICTED: similar to opposite strand transcription unit to Stag3 [Rattus norvegicus], gi\|109497231\|ref\|XP_001077942.1\| PREDICTED: similar to opposite strand transcription unit to Stag3 [Rattus norvegicus], gi\|149063124\|gb\|EDM13447.1\| opposite strand tran | gi\|34871966 | 36 | 1 | 3 | 0 | 1 | 0 |
| 1937 | F-box protein 30 [Rattus norvegicus], gi\|61212353\|sp\|Q5XI67.1\|FBX30_RAT RecName: Full=F-box only protein 30, gi\|53734553\|gb\|AAH83823.1\| F-box protein 30 [Rattus norvegicus], gi\|149039554\|gb\|EDL93716.1\| F-box protein 30 [Rattus norvegicus] | gi\|56090568 | 82 | 2 | 3 | 1 | 2 | 0 |
| 1938 | eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein), isoform CRA_c [Rattus norvegicus] | gi\|149066166 | 31 | 3 | 1 | 0 | 0 | 3 |
| 1939 | PREDICTED: similar to Protein MICAL-3 [Rattus norvegicus] | gi\|109472576 | 119 | 2 | 2 | 2 | 3 | 0 |
| 1940 | ubiquitin-activating enzyme 5 [Rattus norvegicus], gi\|76363460\|sp\|Q5M7A4.1\|UBA5_RAT RecName: Full=Ubiquitin-like modifier-activating enzyme 5; Short=Ubiquitin-activating enzyme 5; AltName: Full=Ubiquitin-activating enzyme E1 domain-containing protein 1; A | gi\|57527209 | 45 | 6 | 0 | 0 | 0 | 6 |
| 1941 | ATG16 autophagy related 16-like 1 (S. cerevisiae) (predicted), isoform CRA_c [Rattus norvegicus] | gi\|149016413 | 46 | 6 | 0 | 0 | 0 | 6 |
| 1942 | DPH2 homolog [Rattus norvegicus], gi\|81882362\|sp\|Q568Y2.1\|DPH2_RAT RecName: Full=Diphthamide biosynthesis protein 2; AltName: Full=DPH2 homolog, gi\|62203109\|gb\|AAH92656.1\| DPH2 homolog (S. cerevisiae) [Rattus norvegicus], gi\|149035519\|gb\|EDL90200.1\| DPH2 | gi\|62543509 | 52 | 5 | 0 | 1 | 1 | 4 |
| 1943 | protein kinase C and casein kinase substrate in neurons 1 [Rattus norvegicus], gi\|22256946\|sp\|Q9Z0W5.1\|PACN1_RAT RecName: Full=Protein kinase C and casein kinase substrate in neurons protein 1; AltName: Full=Synaptic, dynamin-associated protein I; AltName | gi\|8393896 | 50 | 6 | 0 | 0 | 0 | 6 |
| 1944 | PREDICTED: similar to ATP binding domain 1 family, member B [Rattus norvegicus], gi\|109477454\|ref\|XP_001066907.1\| PREDICTED: similar to ATP binding domain 1 family, member B [Rattus norvegicus] | gi\|34871770 | 34 | 6 | 0 | 0 | 0 | 6 |
| 1945 | PREDICTED: similar to WD repeat domain 44 protein [Rattus norvegicus], gi\|109512480\|ref\|XP_001061437.1\| PREDICTED: similar to WD repeat domain 44 protein [Rattus norvegicus] | gi\|109510388 (+1) | 102 | 2 | 3 | 0 | 1 | 1 |
| 1946 | methyltransferase like 11A [Rattus norvegicus], gi\|81170406\|sp\|Q5BJX0.3\|ME11A_RAT RecName: Full=Methyltransferase-like protein 11A, gi\|60551491\|gb\|AAH91294.1\| Methyltransferase like 11A [Rattus norvegicus], gi\|149039075\|gb\|EDL93295.1\| rCG45829, isoform CR | gi\|68163475 | 25 | 0 | 5 | 0 | 2 | 0 |
| 1947 | PREDICTED: similar to transferrin receptor [Rattus norvegicus], gi\|109494513\|ref\|XP_001072774.1\| PREDICTED: similar to transferrin receptor [Rattus norvegicus] | gi\|109493400 (+2) | 86 | 6 | 0 | 0 | 0 | 6 |
| 1948 | N-myristoyltransferase 1 [Rattus norvegicus], gi\|81914601\|sp\|Q8K1Q0.1\|NMT1_RAT RecName: Full=Glycylpeptide N-tetradecanoyltransferase 1; AltName: Full=Peptide N-myristoyltransferase 1; AltName: Full=Myristoyl-CoA:protein N-myristoyltransferase 1; Short=NM | gi\|22507314 | 57 | 3 | 3 | 0 | 1 | 2 |
| 1949 | ribosomal protein S6 kinase polypeptide 1, isoform CRA_a [Rattus norvegicus] | gi\|149024192 (+1) | 82 | 3 | 0 | 3 | 3 | 0 |
| 1950 | peptidylprolyl isomerase-like 4 [Rattus norvegicus], gi\|149039530\|gb\|EDL93692.1\| peptidylprolyl isomerase (cyclophilin)-like 4 (predicted) [Rattus norvegicus] | gi\|157823523 | 41 | 3 | 0 | 3 | 3 | 0 |
| 1951 | mCG9827 [Mus musculus], gi\|149027869\|gb\|EDL83329.1\| rCG22771, isoform CRA_a [Rattus norvegicus] | gi\|148693377 (+3) | 38 | 5 | 0 | 0 | 0 | 5 |
| 1952 | cytokine induced protein 29 kDa [Rattus norvegicus], gi\|84029305\|sp\|Q498U4.3\|HCC1_RAT RecName: Full=Nuclear protein Hcc-1, gi\|71680097\|gb\|AAI00071.1\| Cytokine induced protein 29 kDa [Rattus norvegicus], gi\|149029621\|gb\|EDL84792.1\| similar to RIKEN cDNA 11 | gi\|74271863 | 24 | 0 | 5 | 0 | 2 | 0 |
| 1953 | neuroligin 2 [Rattus norvegicus] | gi\|149053086 (+1) | 93 | 5 | 0 | 0 | 0 | 5 |
| 1954 | RecName: Full=Alpha-crystallin A chain; Contains: RecName: Full=Alpha-crystallin A chain, short form, gi\|1245160\|gb\|AAA93366.1\| alpha A (insert)-crystallin, gi\|149043576\|gb\|EDL97027.1\| crystallin, alpha A, isoform CRA_a [Rattus norvegicus] | gi\|117333 (+1) | 22 | 4 | 0 | 0 | 0 | 4 |
| 1955 | homer homolog 1 [Rattus norvegicus], gi\|38604638\|sp\|Q9Z214.2\|HOME1_RAT RecName: Full=Homer protein homolog 1; AltName: Full=PSD-Zip45; AltName: Full=VASP/Ena-related gene up-regulated during seizure and LTP, gi\|3834627\|gb\|AAC71032.1\| homer-1c [Rattus norv | gi\|13928988 (+5) | 41 | 5 | 0 | 0 | 0 | 5 |
| 1956 | mitogen activated protein kinase kinase kinase 4 [Rattus norvegicus], gi\|149027485\|gb\|EDL83075.1\| mitogen activated protein kinase kinase kinase 4 (predicted) [Rattus norvegicus] | gi\|157822757 | 157 | 2 | 0 | 0 | 0 | 2 |
| 1957 | PREDICTED: similar to tripartite motif protein 33 isoform 2 [Rattus norvegicus] | gi\|109467304 (+3) | 124 | 1 | 4 | 0 | 1 | 0 |
| 1958 | PREDICTED: similar to golgi autoantigen, golgin subfamily a, 4 [Rattus norvegicus] | gi\|109484079 (+2) | 272 | 0 | 4 | 0 | 1 | 0 |
| 1959 | nucleotide binding protein 1 [Rattus norvegicus], gi\|81889029\|sp\|Q5I0L4.1\|NUBP1_RAT RecName: Full=Nucleotide binding protein 1; Short=NBP 1, gi\|56971804\|gb\|AAH88221.1\| Nucleotide binding protein 1 [Rattus norvegicus], gi\|149042586\|gb\|EDL96223.1\| nucleotid | gi\|57528160 | 34 | 0 | 6 | 0 | 2 | 0 |
| 1960 | golgi apparatus protein 1 [Rattus norvegicus] | gi\|149038203 (+1) | 134 | 3 | 0 | 0 | 0 | 3 |
| 1961 | soc-2 (suppressor of clear) homolog [Rattus norvegicus], gi\|81910889\|sp\|Q6AYI5.1\|SHOC2_RAT RecName: Full=Leucine-rich repeat protein SHOC-2, gi\|50925627\|gb\|AAH79032.1\| Soc-2 (suppressor of clear) homolog (C. elegans) [Rattus norvegicus], gi\|149040408\|gb\|E | gi\|61557121 | 65 | 6 | 0 | 0 | 0 | 6 |
| 1962 | rCG46129, isoform CRA_b [Rattus norvegicus] | gi\|149058721 (+1) | 51 | 6 | 0 | 0 | 0 | 6 |
| 1963 | purine rich element binding protein B [Rattus norvegicus], gi\|81863556\|sp\|Q68A21.3\|PURB_RAT RecName: Full=Transcriptional activator protein Pur-beta; AltName: Full=Purine-rich element-binding protein B, gi\|51775933\|dbj\|BAD38899.1\| transcription factor Pur | gi\|62945366 | 33 | 5 | 0 | 0 | 0 | 5 |
| 1964 | unnamed protein product [Rattus norvegicus] | gi\|56200 (+1) | 61 | 5 | 0 | 0 | 0 | 5 |
| 1965 | CNDP dipeptidase 2 [Rattus norvegicus], gi\|81892734\|sp\|Q6Q0N1.1\|CNDP2_RAT RecName: Full=Cytosolic non-specific dipeptidase; AltName: Full=CNDP dipeptidase 2, gi\|45680894\|gb\|AAS75316.1\| non-specific dipeptidase [Rattus norvegicus], gi\|63100240\|gb\|AAH95904. | gi\|58219062 | 53 | 2 | 4 | 0 | 1 | 1 |
| 1966 | RecName: Full=ADP-ribosylation factor-like protein 2-binding protein; Short=ARF-like 2-binding protein; AltName: Full=Binder of ARF2 protein 1, gi\|149032442\|gb\|EDL87333.1\| ADP-ribosylation factor-like 2 binding protein, isoform CRA_c [Rattus norvegicus] | gi\|147742930 (+3) | 19 | 6 | 0 | 0 | 0 | 6 |
| 1967 | PREDICTED: similar to dual specificity phosphatase 23 [Rattus norvegicus] | gi\|34880952 | 17 | 6 | 0 | 0 | 0 | 6 |
| 1968 | vacuolar protein sorting 26 (yeast), isoform CRA_d [Rattus norvegicus] | gi\|149038687 (+2) | 33 | 5 | 0 | 0 | 0 | 5 |
| 1969 | rCG26543, isoform CRA_d [Rattus norvegicus] | gi\|149022969 (+1) | 10 | 6 | 0 | 0 | 0 | 6 |
| 1970 | rCG39045, isoform CRA_b [Rattus norvegicus] | gi\|149032329 (+1) | 14 | 5 | 0 | 0 | 0 | 5 |
| 1971 | Chain A, Casein Kinase I Delta Truncation Mutant Containing Residues 1-317 Complex With Bound Tungstate, gi\|1311055\|pdb\|1CKJ\|B Chain B, Casein Kinase I Delta Truncation Mutant Containing Residues 1-317 Complex With Bound Tungstate, gi\|1311056\|pdb\|1CKI\|A C | gi\|1311054 (+9) | 37 | 6 | 0 | 0 | 0 | 6 |
| 1972 | similar to RIKEN cDNA 3200002M19 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149068694 (+2) | 17 | 6 | 0 | 0 | 0 | 6 |
| 1973 | CCR4-NOT transcription complex, subunit 7 [Mus musculus], gi\|77735577\|ref\|NP_001029484.1\| CCR4-NOT transcription complex, subunit 7 [Bos taurus], gi\|157823359\|ref\|NP_001100783.1\| CCR4-NOT transcription complex, subunit 7 [Rattus norvegicus], gi\|3219782\|sp | gi\|6755126 | 33 | 6 | 0 | 0 | 0 | 6 |
| 1974 | PREDICTED: similar to SET domain, bifurcated 1 [Rattus norvegicus] | gi\|109467185 (+1) | 144 | 1 | 5 | 0 | 2 | 0 |
| 1975 | carbonyl reductase 3 [Rattus norvegicus], gi\|149017736\|gb\|EDL76737.1\| carbonyl reductase 3 (predicted) [Rattus norvegicus], gi\|183986573\|gb\|AAI66553.1\| Carbonyl reductase 3 [Rattus norvegicus] | gi\|157819653 | 31 | 0 | 6 | 0 | 2 | 0 |
| 1976 | fibrinogen beta chain [Rattus norvegicus], gi\|124106312\|sp\|P14480.4\|FIBB_RAT RecName: Full=Fibrinogen beta chain; AltName: Full=Liver regeneration-related protein LRRG036/LRRG043/LRRG189; Contains: RecName: Full=Fibrinopeptide B; Flags: Precursor, gi\|5697 | gi\|158186678 (+1) | 54 | 4 | 1 | 0 | 0 | 4 |
| 1977 | glucosamine-6-phosphate deaminase 2 [Rattus norvegicus], gi\|149035307\|gb\|EDL90011.1\| glucosamine-6-phosphate deaminase 2 (predicted), isoform CRA_a [Rattus norvegicus], gi\|149035308\|gb\|EDL90012.1\| glucosamine-6-phosphate deaminase 2 (predicted), isoform C | gi\|157822725 | 31 | 0 | 5 | 0 | 2 | 0 |
| 1978 | ceruloplasmin, isoform CRA_a [Rattus norvegicus] | gi\|149048530 (+2) | 121 | 3 | 0 | 0 | 0 | 3 |
| 1979 | PREDICTED: similar to leucine-rich repeats and calponin homology (CH) domain containing 2 [Rattus norvegicus], gi\|109512463\|ref\|XP_001059866.1\| PREDICTED: similar to leucine-rich repeats and calponin homology (CH) domain containing 2 [Rattus norvegicus] | gi\|109510544 | 85 | 3 | 0 | 0 | 0 | 3 |
| 1980 | serine/arginine-rich protein-specific kinase 2 [Rattus norvegicus], gi\|149046572\|gb\|EDL99397.1\| serine/arginine-rich protein specific kinase 2 (predicted), isoform CRA_b [Rattus norvegicus], gi\|171846868\|gb\|AAI61879.1\| SFRS protein kinase 2 [Rattus norveg | gi\|157819063 | 77 | 4 | 0 | 0 | 0 | 4 |
| 1981 | rCG36664 [Rattus norvegicus] | gi\|149019925 (+1) | 48 | 0 | 5 | 0 | 2 | 0 |
| 1982 | tumor suppressing subtransferable candidate 1 [Rattus norvegicus], gi\|81909943\|sp\|Q5PPK9.1\|TSSC1_RAT RecName: Full=Protein TSSC1, gi\|56388622\|gb\|AAH87633.1\| Tumor suppressing subtransferable candidate 1 [Rattus norvegicus] | gi\|58865956 | 43 | 4 | 0 | 0 | 0 | 4 |
| 1983 | SH3-domain GRB2-like endophilin B2, isoform CRA_a [Rattus norvegicus] | gi\|149039097 (+2) | 44 | 5 | 0 | 0 | 0 | 5 |
| 1984 | ribosomal protein L15 [Mus musculus], gi\|15431293\|ref\|NP_002939.2\| ribosomal protein L15 [Homo sapiens], gi\|20806169\|ref\|NP_620814.1\| ribosomal protein L15 [Rattus norvegicus], gi\|118150852\|ref\|NP_001071334.1\| ribosomal protein L15 [Bos taurus], gi\|197102 | gi\|13385036 | 24 | 3 | 0 | 0 | 0 | 3 |
| 1985 | deoxythymidylate kinase (thymidylate kinase) [Rattus norvegicus], gi\|149037469\|gb\|EDL91900.1\| deoxythymidylate kinase (predicted), isoform CRA_b [Rattus norvegicus] | gi\|157817466 | 24 | 6 | 0 | 0 | 0 | 6 |
| 1986 | neuroserpin [Rattus norvegicus] | gi\|7861758 | 46 | 5 | 0 | 0 | 0 | 5 |
| 1987 | DCN1, defective in cullin neddylation 1, domain containing 5 (S. cerevisiae), isoform CRA_c [Rattus norvegicus] | gi\|149020736 (+1) | 30 | 4 | 0 | 0 | 0 | 4 |
| 1988 | PREDICTED: similar to Phospholipid transfer protein precursor (Lipid transfer protein II) [Rattus norvegicus] | gi\|109469241 | 65 | 3 | 0 | 0 | 0 | 3 |
| 1989 | Rho, GDP dissociation inhibitor (GDI) beta [Rattus norvegicus], gi\|56789330\|gb\|AAH88209.1\| Rho, GDP dissociation inhibitor (GDI) beta [Rattus norvegicus], gi\|149049138\|gb\|EDM01592.1\| Rho, GDP dissociation inhibitor (GDI) beta, isoform CRA_a [Rattus norveg | gi\|57527565 | 23 | 0 | 6 | 0 | 2 | 0 |
| 1990 | ubiquitin-conjugating enzyme E2D 3 isoform 2 [Homo sapiens], gi\|21755161\|dbj\|BAC04632.1\| unnamed protein product [Homo sapiens], gi\|149026019\|gb\|EDL82262.1\| ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast), isoform CRA_b [Rattus norvegicus] | gi\|33149322 (+3) | 17 | 6 | 0 | 0 | 0 | 6 |
| 1991 | myocardial ischemic preconditioning associated protein 7 [Rattus norvegicus], gi\|149063552\|gb\|EDM13875.1\| rCG21114, isoform CRA_b [Rattus norvegicus] | gi\|55228663 (+1) | 61 | 6 | 0 | 0 | 0 | 6 |
| 1992 | transmembrane protein 49 [Rattus norvegicus], gi\|81902504\|sp\|Q91ZQ0.1\|TMM49_RAT RecName: Full=Transmembrane protein 49; AltName: Full=Vacuole membrane protein 1, gi\|15705883\|gb\|AAL05859.1\|AF411216_1 vacuole membrane protein 1 [Rattus norvegicus], gi\|38197 | gi\|20301974 | 46 | 5 | 0 | 0 | 0 | 5 |
| 1993 | rCG33654, isoform CRA_b [Rattus norvegicus], gi\|149054762\|gb\|EDM06579.1\| rCG33654, isoform CRA_b [Rattus norvegicus] | gi\|149054761 (+2) | 16 | 6 | 0 | 0 | 0 | 6 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1994 | vitamin D binding protein prepeptide | gi\|203927 (+3) | 54 | 0 | 6 | 0 | 2 | 0 |
| 1995 | PREDICTED: similar to SET binding factor 2 [Rattus norvegicus] | gi\|109462683 (+1) | 221 | 3 | 0 | 1 | 1 | 2 |
| 1996 | 5'-3' exoribonuclease 2 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149041185 | 109 | 1 | 4 | 0 | 1 | 0 |
| 1997 | nuclear receptor coactivator 1 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149050860 (+1) | 152 | 1 | 3 | 0 | 1 | 0 |
| 1998 | PREDICTED: similar to Myotubularin-related protein 1 [Rattus norvegicus], gi\|109506891\|ref\|XP_001059230.1\| PREDICTED: similar to Myotubularin-related protein 1 [Rattus norvegicus] | gi\|109506273 | 75 | 4 | 0 | 1 | 1 | 3 |
| 1999 | inositol polyphosphate-5-phosphatase F [Rattus norvegicus], gi\|149067614\|gb\|EDM17166.1\| inositol polyphosphate-5-phosphatase F (predicted), isoform CRA_c [Rattus norvegicus] | gi\|198442866 | 127 | 2 | 1 | 0 | 0 | 2 |
| 2000 | cct-5 protein [Rattus norvegicus] | gi\|51012386 | 17 | 3 | 1 | 0 | 0 | 3 |
| 2001 | dynein cytoplasmic 2 heavy chain 1 [Rattus norvegicus], gi\|81917503\|sp\|Q9JJ79.1\|DYHC2_RAT RecName: Full=Cytoplasmic dynein 2 heavy chain 1; AltName: Full=Cytoplasmic dynein 2 heavy chain; AltName: Full=Dynein cytoplasmic heavy chain 2; AltName: Full=Dynei | gi\|12711694 | 492 | 3 | 0 | 0 | 0 | 3 |
| 2002 | PREDICTED: similar to Nonsyndromic hearing impairment protein 5 homolog [Rattus norvegicus] | gi\|109472039 (+1) | 58 | 0 | 4 | 0 | 1 | 0 |
| 2003 | post-synaptic density protein 95 [Rattus norvegicus], gi\|400891\|sp\|P31016.1\|DLG4_RAT RecName: Full=Disks large homolog 4; AltName: Full=Postsynaptic density protein 95; Short=PSD-95; AltName: Full=Synapse-associated protein 90; Short=SAP90, gi\|206455\|gb\|A | gi\|9665227 | 80 | 4 | 0 | 0 | 0 | 4 |
| 2004 | ribosomal protein S23 [Homo sapiens], gi\|13195604\|ref\|NP_077137.1\| ribosomal protein S23 [Mus musculus], gi\|17530965\|ref\|NP_511172.1\| ribosomal protein S23 [Rattus norvegicus], gi\|77736325\|ref\|NP_001029862.1\| ribosomal protein S23 [Bos taurus], gi\|1547592 | gi\|4506701 (+1) | 16 | 4 | 0 | 0 | 0 | 4 |
| 2005 | rab acceptor 1 (prenylated) [Rattus norvegicus], gi\|56404679\|sp\|O35394.1\|PRAF1_RAT RecName: Full=Prenylated Rab acceptor protein 1; AltName: Full=PRA1 family protein 1, gi\|2564205\|gb\|AAB81721.1\| prenylated rab acceptor 1 [Rattus norvegicus], gi\|55562836\|g | gi\|13929090 (+1) | 21 | 3 | 1 | 0 | 0 | 3 |
| 2006 | Rho guanine nucleotide exchange factor (GEF) 12 [Rattus norvegicus], gi\|60549645\|gb\|AAX24128.1\| leukemia-associated Rho guanine nucleotide exchange factor [Rattus norvegicus] | gi\|61557421 | 173 | 1 | 3 | 0 | 1 | 0 |
| 2007 | PREDICTED: similar to Casitas B-lineage lymphoma [Rattus norvegicus], gi\|109484591\|ref\|XP_001066453.1\| PREDICTED: similar to Casitas B-lineage lymphoma [Rattus norvegicus] | gi\|109483387 (+1) | 112 | 3 | 0 | 0 | 0 | 3 |
| 2008 | PREDICTED: similar to Protein C9orf126 homolog [Rattus norvegicus] | gi\|109468136 (+3) | 78 | 2 | 0 | 0 | 0 | 2 |
| 2009 | Smndc1 protein [Rattus norvegicus] | gi\|68533649 (+1) | 14 | 4 | 0 | 0 | 0 | 4 |
| 2010 | PREDICTED: similar to jumonji, AT rich interactive domain 1C (Rbp2 like) [Rattus norvegicus] | gi\|109511645 (+2) | 175 | 0 | 5 | 0 | 2 | 0 |
| 2011 | aldehyde dehydrogenase 1A2 [Rattus norvegicus], gi\|92087021\|sp\|Q63639.2\|AL1A2_RAT RecName: Full=Retinal dehydrogenase 2; Short=RALDH 2; Short=RalDH2; AltName: Full=Aldehyde dehydrogenase family 1 member A2; AltName: Full=Retinaldehyde-specific dehydrogena | gi\|225735575 | 57 | 0 | 5 | 0 | 2 | 0 |
| 2012 | RecName: Full=Brevican core protein; AltName: Full=Brain-enriched hyaluronan-binding protein; Short=Protein BEHAB; Contains: RecName: Full=Brevican core protein isoform 1; Contains: RecName: Full=Brevican core protein isoform 2; Flags: Precursor, gi\|50939 | gi\|2506815 (+1) | 96 | 5 | 0 | 0 | 0 | 5 |
| 2013 | RecName: Full=Echinoderm microtubule-associated protein-like 1; Short=EMAP-1 | gi\|145558904 (+3) | 90 | 5 | 0 | 0 | 0 | 5 |
| 2014 | RGM domain family, member A (predicted), isoform CRA_b [Rattus norvegicus], gi\|149057182\|gb\|EDM08505.1\| RGM domain family, member A (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149057181 (+1) | 47 | 4 | 0 | 0 | 0 | 4 |
| 2015 | hypothetical protein LOC498100 [Rattus norvegicus], gi\|149019987\|gb\|EDL78135.1\| rCG36622, isoform CRA_a [Rattus norvegicus] | gi\|197333822 | 56 | 4 | 0 | 0 | 0 | 4 |
| 2016 | HEAT repeat containing 6 [Rattus norvegicus], gi\|189042487\|sp\|A1EC95.1\|HEAT6_RAT RecName: Full=HEAT repeat-containing protein 6, gi\|119351091\|gb\|ABL63441.1\| 2700008B19Rik-like protein [Rattus norvegicus], gi\|119351093\|gb\|ABL63442.1\| 2700008B19Rik-like pro | gi\|120586991 (+1) | 137 | 1 | 4 | 0 | 1 | 0 |
| 2017 | biogenesis of lysosome-related organelles complex-1, subunit 2 isoform 2 [Homo sapiens], gi\|109090245\|ref\|XP_001107659.1\| PREDICTED: similar to biogenesis of lysosome-related organelles complex-1, subunit 2 isoform 3 [Macaca mulatta], gi\|18088217\|gb\|AAH20 | gi\|47717129 (+1) | 11 | 5 | 0 | 0 | 0 | 5 |
| 2018 | BH3 interacting domain death agonist [Rattus norvegicus], gi\|88909592\|sp\|Q9JLT6.2\|BID_RAT RecName: Full=BH3-interacting domain death agonist; AltName: Full=p22 BID; Short=BID; Contains: RecName: Full=BH3-interacting domain death agonist p15; AltName: Full | gi\|12083631 | 22 | 2 | 3 | 0 | 1 | 1 |
| 2019 | similar to hypothetical protein FLJ21103, isoform CRA_b [Rattus norvegicus] | gi\|149027815 (+1) | 31 | 2 | 2 | 0 | 1 | 1 |
| 2020 | similar to hypothetical protein FLJ30656 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149054357 (+1) | 20 | 5 | 0 | 0 | 0 | 5 |
| 2021 | nucleoporin 205 [Rattus norvegicus], gi\|149065249\|gb\|EDM15325.1\| nucleoporin 205kDa (predicted) [Rattus norvegicus] | gi\|157820537 | 227 | 5 | 0 | 0 | 0 | 5 |
| 2022 | transmembrane protein 111 [Mus musculus], gi\|56605786\|ref\|NP_001008356.1\| transmembrane protein 111 [Rattus norvegicus], gi\|71153384\|sp\|Q99KI3.3\|TM111_MOUSE RecName: Full=Transmembrane protein 111, gi\|71153386\|sp\|Q5U2V8.3\|TM111_RAT RecName: Full=Transmemb | gi\|28827824 | 30 | 4 | 0 | 0 | 0 | 4 |
| 2023 | serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6 [Rattus norvegicus], gi\|38014574\|gb\|AAH60594.1\| Serine (or cysteine) peptidase inhibitor, clade B, member 6a [Rattus norvegicus], gi\|149045246\|gb\|EDL98332.1\| serine (or cysteine) pep | gi\|40018548 | 43 | 1 | 3 | 0 | 1 | 0 |
| 2024 | glyoxylate reductase/hydroxypyruvate reductase [Rattus norvegicus], gi\|149045798\|gb\|EDL98798.1\| rCG54768, isoform CRA_a [Rattus norvegicus], gi\|165971635\|gb\|AAI58681.1\| Grhpr protein [Rattus norvegicus] | gi\|166091519 | 36 | 0 | 5 | 0 | 2 | 0 |
| 2025 | similar to RIKEN cDNA 1810060J02 [Rattus norvegicus] | gi\|149048939 (+1) | 46 | 3 | 1 | 0 | 0 | 3 |
| 2026 | copper metabolism (Murr1) domain containing 1 [Rattus norvegicus], gi\|149044792\|gb\|EDL97978.1\| rCG23272, isoform CRA_b [Rattus norvegicus], gi\|165970730\|gb\|AAI58753.1\| Commd1 protein [Rattus norvegicus] | gi\|169234820 | 21 | 4 | 1 | 0 | 0 | 4 |
| 2027 | rCG31475, isoform CRA_a [Rattus norvegicus] | gi\|149023878 (+1) | 72 | 3 | 0 | 0 | 0 | 3 |
| 2028 | similar to hypothetical protein FLJ20546, isoform CRA_a [Rattus norvegicus] | gi\|149052342 (+1) | 25 | 5 | 0 | 0 | 0 | 5 |
| 2029 | phosphoglucomutase 3 (predicted), isoform CRA_b [Rattus norvegicus], gi\|187469167\|gb\|AAI66838.1\| Pgm3 protein [Rattus norvegicus] | gi\|149018988 (+1) | 60 | 0 | 4 | 0 | 1 | 0 |
| 2030 | RecName: Full=Sodium/potassium-transporting ATPase subunit beta-2; AltName: Full=Sodium/potassium-dependent ATPase subunit beta-2, gi\|203043\|gb\|AAA40782.1\| (Na+, K+)-ATPase-beta-2 subunit, gi\|1314365\|gb\|AAC52918.1\| Na,K-ATPase beta 2 subunit | gi\|114400 (+2) | 33 | 4 | 0 | 0 | 0 | 4 |
| 2031 | deoxyhypusine synthase [Rattus norvegicus], gi\|54035741\|sp\|Q6AY53.1\|DHYS_RAT RecName: Full=Deoxyhypusine synthase; Short=DHS, gi\|50927729\|gb\|AAH79188.1\| Deoxyhypusine synthase [Rattus norvegicus], gi\|149037798\|gb\|EDL92158.1\| deoxyhypusine synthase, isofor | gi\|51948386 | 41 | 0 | 5 | 0 | 2 | 0 |
| 2032 | ATPase, H transporting, lysosomal V1 subunit G1 [Rattus norvegicus], gi\|149059584\|gb\|EDM10522.1\| rCG55259, isoform CRA_c [Rattus norvegicus], gi\|183985826\|gb\|AAI66422.1\| ATPase, H transporting, lysosomal V1 subunit G1 [Rattus norvegicus] | gi\|157820847 | 14 | 4 | 0 | 0 | 0 | 4 |
| 2033 | dedicator of cyto-kinesis 3 [Rattus norvegicus], gi\|149018624\|gb\|EDL77265.1\| dedicator of cyto-kinesis 3 (predicted) [Rattus norvegicus] | gi\|157823849 | 153 | 5 | 0 | 0 | 0 | 5 |
| 2034 | RecName: Full=Cysteine and glycine-rich protein 2; Short=Cysteine-rich protein 2; Short=CRP2; AltName: Full=Smooth muscle cell LIM protein; Short=SmLIM, gi\|1314351\|gb\|AAC52554.1\| smooth muscle cell LIM protein, gi\|3184549\|gb\|AAC18966.1\| smooth muscle LIM | gi\|2497675 (+1) | 21 | 5 | 0 | 0 | 0 | 5 |
| 2035 | PREDICTED: similar to 60S ribosomal protein L27a [Rattus norvegicus], gi\|109461766\|ref\|XP_001079874.1\| PREDICTED: similar to 60S ribosomal protein L27a [Rattus norvegicus] | gi\|62639430 (+3) | 17 | 5 | 0 | 0 | 0 | 5 |
| 2036 | RER1 homolog [Mus musculus], gi\|84781666\|ref\|NP_001034101.1\| RER1 retention in endoplasmic reticulum 1 homolog [Rattus norvegicus], gi\|76363869\|sp\|Q9CQU3.1\|RER1_MOUSE RecName: Full=Protein RER1, gi\|118573308\|sp\|Q498C8.1\|RER1_RAT RecName: Full=Protein RER1 | gi\|13385882 | 23 | 5 | 0 | 0 | 0 | 5 |
| 2037 | DPPY splice variant c [Rattus norvegicus] | gi\|112363659 (+2) | 91 | 4 | 0 | 0 | 0 | 4 |
| 2038 | immunoglobulin light chain [Rattus sp.] | gi\|243868 (+1) | 26 | 3 | 0 | 0 | 0 | 3 |
| 2039 | PREDICTED: similar to slit homolog 1 [Rattus norvegicus] | gi\|109484799 (+1) | 81 | 4 | 0 | 0 | 0 | 4 |
| 2040 | PREDICTED: similar to periodic tryptophan protein 1 homolog [Rattus norvegicus], gi\|109481734\|ref\|XP_001075998.1\| PREDICTED: similar to periodic tryptophan protein 1 homolog [Rattus norvegicus] | gi\|34862412 | 56 | 3 | 0 | 0 | 0 | 3 |
| 2041 | RecName: Full=Glutaminase kidney isoform, mitochondrial; Short=GLS; AltName: Full=L-glutamine amidohydrolase; AltName: Full=K-glutaminase; Contains: RecName: Full=Glutaminase kidney isoform 68 kDa chain; Contains: RecName: Full=Glutaminase kidney isoform | gi\|121447 (+3) | 74 | 5 | 0 | 0 | 0 | 5 |
| 2042 | PREDICTED: similar to ribosomal protein L22 like 1 [Rattus norvegicus], gi\|109470813\|ref\|XP_001081142.1\| PREDICTED: similar to ribosomal protein L22 like 1 [Rattus norvegicus] | gi\|109468809 (+1) | 14 | 5 | 0 | 0 | 0 | 5 |
| 2043 | rCG38662, isoform CRA_a [Rattus norvegicus] | gi\|149036085 (+2) | 26 | 4 | 0 | 0 | 0 | 4 |
| 2044 | isocitrate dehydrogenase 3 (NAD), gamma, isoform CRA_a [Rattus norvegicus] | gi\|149029905 (+4) | 37 | 5 | 0 | 0 | 0 | 5 |
| 2045 | homolog of zebrafish ES1 [Rattus norvegicus] | gi\|149043607 (+1) | 25 | 5 | 0 | 0 | 0 | 5 |
| 2046 | ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit, isoform CRA_b [Rattus norvegicus] | gi\|149034587 | 18 | 3 | 0 | 0 | 0 | 3 |
| 2047 | acyl-Coenzyme A dehydrogenase family, member 9, isoform CRA_c [Rattus norvegicus] | gi\|149048722 (+2) | 69 | 5 | 0 | 0 | 0 | 5 |
| 2048 | signal recognition particle 19 [Rattus norvegicus], gi\|149017170\|gb\|EDL76221.1\| signal recognition particle 19 (predicted), isoform CRA_a [Rattus norvegicus], gi\|187469798\|gb\|AAI67043.1\| Signal recognition particle 19 [Rattus norvegicus] | gi\|157817949 | 16 | 5 | 0 | 0 | 0 | 5 |
| 2049 | beta-glo [Rattus norvegicus], gi\|34849742\|gb\|AAH58502.1\| Beta-glo [Rattus norvegicus] | gi\|40445397 (+1) | 16 | 5 | 0 | 0 | 0 | 5 |
| 2050 | PREDICTED: similar to ubiquitin protein ligase E3 component n-recognin 2 isoform 3 [Rattus norvegicus] | gi\|109486657 (+1) | 199 | 0 | 4 | 0 | 1 | 0 |
| 2051 | PREDICTED: similar to WD repeat and FYVE domain containing 3 [Rattus norvegicus] | gi\|109499467 | 396 | 3 | 0 | 1 | 1 | 2 |
| 2052 | vacuolar protein sorting 33 homolog B [Rattus norvegicus], gi\|23396894\|sp\|Q63616.1\|VP33B_RAT RecName: Full=Vacuolar protein sorting-associated protein 33B; Short=r-vps33b, gi\|1477470\|gb\|AAC52986.1\| vacuolar protein sorting homolog r-vps33b, gi\|51859108\|gb | gi\|25742586 | 71 | 3 | 0 | 1 | 1 | 2 |
| 2053 | ankyrin repeat and sterile alpha motif domain containing 1A [Rattus norvegicus], gi\|149043458\|gb\|EDL96909.1\| ankyrin repeat and SAM domain containing 1 (predicted) [Rattus norvegicus] | gi\|157820667 | 122 | 1 | 2 | 0 | 1 | 0 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2054 | Surfeit 2 [Rattus norvegicus] | gi\|37747910 (+1) | 29 | 3 | 1 | 0 | 0 | 3 |
| 2055 | similar to RIKEN cDNA 1190002C06, isoform CRA_a [Rattus norvegicus] | gi\|149064303 (+1) | 46 | 3 | 0 | 0 | 0 | 3 |
| 2056 | PREDICTED: similar to KARP-1 binding protein 1 [Rattus norvegicus] | gi\|109478779 (+1) | 203 | 2 | 2 | 0 | 1 | 1 |
| 2057 | NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8 [Rattus norvegicus] | gi\|149038913 | 20 | 4 | 0 | 0 | 0 | 4 |
| 2058 | PREDICTED: hypothetical protein [Rattus norvegicus], gi\|109492384\|ref\|XP_001081787.1\| PREDICTED: hypothetical protein [Rattus norvegicus] | gi\|109489500 (+1) | 95 | 3 | 0 | 0 | 0 | 3 |
| 2059 | similar to 5730405I09Rik protein (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149028381 (+3) | 24 | 4 | 0 | 0 | 0 | 4 |
| 2060 | MON1 homolog b (yeast) (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149038249 (+1) | 63 | 3 | 0 | 0 | 0 | 3 |
| 2061 | RecName: Full=Lysosome-associated membrane glycoprotein 2; Short=LAMP-2; AltName: Full=Lysosomal membrane glycoprotein type B; Short=LGP-B; AltName: Full=LGP-96; AltName: Full=LGP-110; AltName: Full=CD107 antigen-like family member B; AltName: CD_antigen= | gi\|126382 (+5) | 45 | 4 | 0 | 0 | 0 | 4 |
| 2062 | signal recognition particle 54 [Rattus norvegicus] | gi\|149051248 (+1) | 30 | 3 | 0 | 0 | 0 | 3 |
| 2063 | BCL2-associated athanogene 5 [Rattus norvegicus], gi\|226509196\|ref\|NP_001140774.1\| hypothetical protein LOC100272849 [Zea mays], gi\|68051940\|sp\|Q5QJC9.1\|BAG5_RAT RecName: Full=BAG family molecular chaperone regulator 5; Short=BAG-5; AltName: Full=Bcl-2-as | gi\|56606102 | 51 | 3 | 0 | 0 | 0 | 3 |
| 2064 | PREDICTED: similar to CG13957-PA [Rattus norvegicus], gi\|109481736\|ref\|XP_001076152.1\| PREDICTED: similar to CG13957-PA [Rattus norvegicus] | gi\|62651891 | 136 | 4 | 0 | 0 | 0 | 4 |
| 2065 | PREDICTED: similar to Thiopurine S-methyltransferase (Thiopurine methyltransferase) [Rattus norvegicus], gi\|12585364\|sp\|Q9Z0T0.1\|TPMT_RAT RecName: Full=Thiopurine S-methyltransferase; AltName: Full=Thiopurine methyltransferase, gi\|4325177\|gb\|AAD17293.1\| t | gi\|109505576 (+2) | 28 | 2 | 2 | 0 | 1 | 1 |
| 2066 | RecName: Full=PDZ and LIM domain protein 1; AltName: Full=Elfin; AltName: Full=LIM domain protein CLP-36; AltName: Full=C-terminal LIM domain protein 1, gi\|47940150\|gb\|AAH72465.1\| PDZ and LIM domain 1 [Rattus norvegicus], gi\|149040142\|gb\|EDL94180.1\| PDZ a | gi\|78099788 (+1) | 36 | 2 | 0 | 0 | 0 | 2 |
| 2067 | oxidation resistance 1, isoform CRA_a [Rattus norvegicus] | gi\|149066454 (+1) | 87 | 0 | 3 | 0 | 1 | 0 |
| 2068 | NHL repeat containing 2 [Rattus norvegicus], gi\|149040462\|gb\|EDL94500.1\| NHL repeat containing 2 (predicted) [Rattus norvegicus] | gi\|157818439 | 79 | 0 | 4 | 0 | 1 | 0 |
| 2069 | F-box protein 22 [Rattus norvegicus], gi\|78394960\|gb\|AAI07671.1\| F-box protein 22 [Rattus norvegicus], gi\|149041725\|gb\|EDL95566.1\| rCG58340, isoform CRA_b [Rattus norvegicus] | gi\|83642814 | 44 | 0 | 4 | 0 | 1 | 0 |
| 2070 | DnaJ (Hsp40) homolog, subfamily B, member 11 [Rattus norvegicus], gi\|81885840\|sp\|Q6TUG0.1\|DJB11_RAT RecName: Full=DnaJ homolog subfamily B member 11; AltName: Full=ER-associated dnaJ protein 3; AltName: Full=ERj3p; AltName: Full=ERdj3; AltName: Full=ER-as | gi\|62543491 | 40 | 3 | 0 | 0 | 0 | 3 |
| 2071 | 5'-nucleotidase domain containing 3 [Rattus norvegicus], gi\|109481805\|ref\|XP_001079805.1\| PREDICTED: similar to CG1814-PA, isoform A [Rattus norvegicus] | gi\|199562203 | 63 | 3 | 0 | 0 | 0 | 3 |
| 2072 | calcium channel, voltage-dependent, beta 1 subunit, isoform CRA_c [Mus musculus], gi\|149054083\|gb\|EDM05900.1\| calcium channel, voltage-dependent, beta 1 subunit, isoform CRA_c [Rattus norvegicus] | gi\|148684164 (+4) | 28 | 2 | 0 | 0 | 0 | 2 |
| 2073 | PREDICTED: similar to Dystroglycan precursor (Dystrophin-associated glycoprotein 1) [Rattus norvegicus] | gi\|34865933 | 97 | 3 | 0 | 0 | 0 | 3 |
| 2074 | RecName: Full=Ig gamma-2A chain C region | gi\|121052 (+11) | 35 | 0 | 4 | 0 | 1 | 0 |
| 2075 | rCG38922 [Rattus norvegicus] | gi\|149031320 | 186 | 0 | 4 | 0 | 1 | 0 |
| 2076 | glucosidase, alpha, acid, isoform CRA_a [Rattus norvegicus], gi\|149054965\|gb\|EDM06782.1\| glucosidase, alpha, acid, isoform CRA_a [Rattus norvegicus] | gi\|149054964 | 106 | 3 | 0 | 0 | 0 | 3 |
| 2077 | histone H2B [Bos taurus], gi\|114605792\|ref\|XP_001172848.1\| PREDICTED: similar to histone H2B isoform 1 [Pan troglodytes], gi\|67968669\|dbj\|BAE00693.1\| unnamed protein product [Macaca fascicularis], gi\|149029303\|gb\|EDL84570.1\| rCG63091 [Rattus norvegicus], | gi\|157785601 | 7 | 0 | 4 | 0 | 1 | 0 |
| 2078 | potassium channel tetramerisation domain containing 5 [Rattus norvegicus], gi\|149051987\|gb\|EDM03804.1\| potassium channel tetramerisation domain containing 5 (predicted) [Rattus norvegicus], gi\|197246769\|gb\|AAI68712.1\| Potassium channel tetramerisation dom | gi\|157786778 | 26 | 4 | 0 | 0 | 0 | 4 |
| 2079 | PREDICTED: similar to hematopoietic stem/progenitor cells 176 [Rattus norvegicus], gi\|109513532\|ref\|XP_001075285.1\| PREDICTED: similar to hematopoietic stem/progenitor cells 176 [Rattus norvegicus] | gi\|109507775 (+2) | 18 | 4 | 0 | 0 | 0 | 4 |
| 2080 | NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6 [Rattus norvegicus], gi\|149045633\|gb\|EDL98633.1\| NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6 (predicted) [Rattus norvegicus] | gi\|157820465 | 16 | 4 | 0 | 0 | 0 | 4 |
| 2081 | Chain A, 1.7 Angstrom Crystal Structure Of The Rat Vap-A Msp Homology Domain | gi\|73535844 | 14 | 4 | 0 | 0 | 0 | 4 |
| 2082 | RecName: Full=Sigma 1-type opioid receptor; Short=Sigma1-receptor; Short=Sigma1R, gi\|6434855\|gb\|AAF08342.1\|AF067769_1 sigma1 receptor [Rattus norvegicus], gi\|38541101\|gb\|AAH61978.1\| Opioid receptor, sigma 1 [Rattus norvegicus], gi\|149045689\|gb\|EDL98689.1\| | gi\|81882051 | 25 | 3 | 0 | 0 | 0 | 3 |
| 2083 | mitochondrial trifunctional protein, alpha subunit [Rattus norvegicus], gi\|172045972\|sp\|Q64428.2\|ECHA_RAT RecName: Full=Trifunctional enzyme subunit alpha, mitochondrial; AltName: Full=TP-alpha; Includes: RecName: Full=Long-chain enoyl-CoA hydratase; Incl | gi\|148747393 (+1) | 83 | 4 | 0 | 0 | 0 | 4 |
| 2084 | cystatin C, isoform CRA_a [Rattus norvegicus] | gi\|149041145 (+4) | 17 | 0 | 4 | 0 | 1 | 0 |
| 2085 | similar to adipocyte-specific protein 4 [Rattus norvegicus] | gi\|149054551 (+1) | 56 | 3 | 0 | 0 | 0 | 3 |
| 2086 | RN protein [Rattus norvegicus], gi\|119371017\|sp\|Q2TA68.1\|OPA1_RAT RecName: Full=Dynamin-like 120 kDa protein, mitochondrial; AltName: Full=Optic atrophy protein 1 homolog; Contains: RecName: Full=Dynamin-like 120 kDa protein, form S1; Flags: Precursor, gi | gi\|148747459 (+2) | 111 | 4 | 0 | 0 | 0 | 4 |
| 2087 | PREDICTED: similar to 60S ribosomal protein L32 [Rattus norvegicus], gi\|109476925\|ref\|XP_001064496.1\| PREDICTED: similar to 60S ribosomal protein L32 [Rattus norvegicus] | gi\|109475208 (+1) | 15 | 3 | 0 | 0 | 0 | 3 |
| 2088 | similar to chromosome 9 open reading frame 5 (predicted) [Rattus norvegicus] | gi\|149037154 (+1) | 88 | 4 | 0 | 0 | 0 | 4 |
| 2089 | similar to oxoglutarate dehydrogenase (lipoamide), isoform CRA_d [Rattus norvegicus] | gi\|149047673 (+1) | 118 | 4 | 0 | 0 | 0 | 4 |
| 2090 | myosin light chain, regulatory B-like [Mus musculus], gi\|203097140\|ref\|NP_001128489.1\| similar to Myosin regulatory light chain 2-A, smooth muscle isoform (Myosin RLC-A) [Rattus norvegicus], gi\|127170\|sp\|P13832.2\|MRLCA_RAT RecName: Full=Myosin regulatory | gi\|71037403 | 20 | 4 | 0 | 0 | 0 | 4 |
| 2091 | rCG33672, isoform CRA_c [Rattus norvegicus] | gi\|149052162 (+1) | 21 | 0 | 4 | 0 | 1 | 0 |
| 2092 | Enah/Vasp-like [Rattus norvegicus], gi\|25090259\|sp\|O08719.1\|EVL_RAT RecName: Full=Ena/VASP-like protein; AltName: Full=Ena/vasodilator-stimulated phosphoprotein-like, gi\|2058462\|gb\|AAC53322.1\| RNB6 [Rattus norvegicus] | gi\|13162335 (+2) | 42 | 2 | 1 | 0 | 0 | 2 |
| 2093 | adapter protein RUK-m1 [Rattus norvegicus], gi\|149042433\|gb\|EDL96140.1\| SH3-domain kinase binding protein 1, isoform CRA_f [Rattus norvegicus] | gi\|14009486 (+9) | 44 | 3 | 0 | 0 | 0 | 3 |
| 2094 | serine/threonine kinase 32C [Rattus norvegicus], gi\|149061417\|gb\|EDM11840.1\| serine/threonine kinase 32C (predicted) [Rattus norvegicus] | gi\|157821485 | 55 | 2 | 1 | 0 | 0 | 2 |
| 2095 | protein-tyrosine-phosphatase (EC 3.1.3.48), receptor-linked form P1 precursor - rat | gi\|1083771 (+5) | 168 | 2 | 0 | 0 | 0 | 2 |
| 2096 | PREDICTED: similar to transformation related protein 53 binding protein 1 [Rattus norvegicus] | gi\|109470711 | 177 | 0 | 2 | 0 | 1 | 0 |
| 2097 | coagulation factor XIII, A1 subunit [Rattus norvegicus], gi\|149045192\|gb\|EDL98278.1\| coagulation factor XIII, A1 subunit, isoform CRA_a [Rattus norvegicus], gi\|149045193\|gb\|EDL98279.1\| coagulation factor XIII, A1 subunit, isoform CRA_a [Rattus norvegicus] | gi\|158186711 (+1) | 83 | 3 | 0 | 0 | 0 | 3 |
| 2098 | cyclic nucleotide phosphodiesterase 1, isoform CRA_b [Rattus norvegicus], gi\|149054232\|gb\|EDM06049.1\| cyclic nucleotide phosphodiesterase 1, isoform CRA_b [Rattus norvegicus] | gi\|149054231 (+2) | 45 | 3 | 0 | 0 | 0 | 3 |
| 2099 | PREDICTED: hypothetical protein [Rattus norvegicus], gi\|109508796\|ref\|XP_001075785.1\| PREDICTED: hypothetical protein [Rattus norvegicus] | gi\|109508061 (+2) | 144 | 2 | 0 | 0 | 0 | 2 |
| 2100 | sortilin 1, isoform CRA_a [Rattus norvegicus] | gi\|149025687 (+3) | 73 | 2 | 0 | 0 | 0 | 2 |
| 2101 | calcium/calmodulin-dependent protein kinase I [Rattus norvegicus], gi\|3122310\|sp\|Q63450.2\|KCC1A_RAT RecName: Full=Calcium/calmodulin-dependent protein kinase type 1; AltName: Full=CaM kinase I; Short=CaM-KI; AltName: Full=CaM kinase I alpha; Short=CaMKI-a | gi\|19745200 (+1) | 42 | 3 | 0 | 0 | 0 | 3 |
| 2102 | poly(A) polymerase alpha [Rattus norvegicus], gi\|149044213\|gb\|EDL97595.1\| poly (A) polymerase alpha (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157820829 (+1) | 82 | 0 | 3 | 0 | 1 | 0 |
| 2103 | small nuclear ribonucleoprotein D2 isoform 1 [Homo sapiens], gi\|58037145\|ref\|NP_081219.1\| small nuclear ribonucleoprotein D2 [Mus musculus], gi\|77735903\|ref\|NP_001029648.1\| small nuclear ribonucleoprotein D2 [Bos taurus], gi\|157820925\|ref\|NP_001102869.1\| | gi\|4759158 | 14 | 3 | 0 | 0 | 0 | 3 |
| 2104 | transmembrane protein 85 [Mus musculus], gi\|157817408\|ref\|NP_001099965.1\| transmembrane protein 85 [Rattus norvegicus], gi\|81904578\|sp\|Q9CZX9.1\|TMM85_MOUSE RecName: Full=Transmembrane protein 85, gi\|12848544\|dbj\|BAB27992.1\| unnamed protein product [Mus mu | gi\|13386014 | 20 | 3 | 0 | 0 | 0 | 3 |
| 2105 | fibulin 1 [Rattus norvegicus], gi\|149065711\|gb\|EDM15584.1\| fibulin 1 (predicted) [Rattus norvegicus] | gi\|189011620 | 78 | 0 | 3 | 0 | 1 | 0 |
| 2106 | neuron derived neurotrophic factor, isoform CRA_a [Rattus norvegicus] | gi\|149041043 (+1) | 16 | 3 | 0 | 0 | 0 | 3 |
| 2107 | mesoderm development candidate 2 [Rattus norvegicus], gi\|81883487\|sp\|Q5U2R7.1\|MESD2_RAT RecName: Full=Mesoderm development candidate 2, gi\|55250764\|gb\|AAH85892.1\| Mesoderm development candidate 2 [Rattus norvegicus], gi\|149057436\|gb\|EDM08759.1\| mesoderm d | gi\|56605768 | 25 | 2 | 0 | 0 | 0 | 2 |
| 2108 | rCG42593, isoform CRA_b [Rattus norvegicus] | gi\|149034849 | 15 | 3 | 0 | 0 | 0 | 3 |
| 2109 | rCG22435 [Rattus norvegicus] | gi\|149046424 | 17 | 3 | 0 | 0 | 0 | 3 |
| 2110 | hypothetical protein LOC287929 [Rattus norvegicus], gi\|149019693\|gb\|EDL77841.1\| similar to RIKEN cDNA 2610001E06 (predicted), isoform CRA_a [Rattus norvegicus], gi\|149019694\|gb\|EDL77842.1\| similar to RIKEN cDNA 2610001E06 (predicted), isoform CRA_a [Rattu | gi\|157786734 | 16 | 3 | 0 | 0 | 0 | 3 |
| 2111 | retinoblastoma binding protein 5 [Rattus norvegicus], gi\|149058638\|gb\|EDM09795.1\| retinoblastoma binding protein 5 (predicted) [Rattus norvegicus] | gi\|157820961 | 59 | 3 | 0 | 0 | 0 | 3 |
| 2112 | zinc finger, FYVE domain containing 1 [Rattus norvegicus], gi\|149025078\|gb\|EDL81445.1\| zinc finger, FYVE domain containing 1 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|157822531 | 87 | 3 | 0 | 0 | 0 | 3 |
| 2113 | coiled-coil domain containing 124 [Rattus norvegicus], gi\|149036079\|gb\|EDL90745.1\| similar to hypothetical protein BC013949 (predicted), isoform CRA_a [Rattus norvegicus], gi\|149036080\|gb\|EDL90746.1\| similar to hypothetical protein BC013949 (predicted), i | gi\|157823579 | 25 | 2 | 0 | 0 | 0 | 2 |
| 2114 | tropomyosin alpha isoform [Rattus norvegicus] | gi\|14134101 (+6) | 29 | 0 | 3 | 0 | 1 | 0 |
| 2115 | RecName: Full=Cold shock domain-containing protein C2; AltName: Full=RNA-binding protein PIPPin, gi\|149065816\|gb\|EDM15689.1\| cold shock domain containing C2, RNA binding [Rattus norvegicus] | gi\|32129826 | 17 | 0 | 2 | 0 | 1 | 0 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2116 | DnaJ (Hsp40) homolog, subfamily C, member 8, isoform CRA_b [Rattus norvegicus] | gi\|149024145 (+1) | 15 | 0 | 3 | 0 | 1 | 0 |
| 2117 | superoxide dismutase 2 [Rattus norvegicus], gi\|134678\|sp\|P07895.2\|SODM_RAT RecName: Full=Superoxide dismutase [Mn], mitochondrial; Flags: Precursor, gi\|57273\|emb\|CAA39937.1\| manganese containing superoxide dismutase [Rattus norvegicus], gi\|47477896\|gb\|AAH | gi\|8394331 | 25 | 3 | 0 | 0 | 0 | 3 |
| 2118 | PREDICTED: similar to coronin, actin binding protein, 2B [Rattus norvegicus], gi\|109484821\|ref\|XP_001074062.1\| PREDICTED: similar to coronin, actin binding protein, 2B [Rattus norvegicus], gi\|149041915\|gb\|EDL95756.1\| similar to KIAA0925 protein, isoform C | gi\|109483534 | 55 | 2 | 0 | 0 | 0 | 2 |
| 2119 | rCG20801, isoform CRA_a [Rattus norvegicus] | gi\|149025266 (+5) | 19 | 2 | 0 | 0 | 0 | 2 |
| 2120 | sorting nexin 5 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149041242 | 30 | 3 | 0 | 0 | 0 | 3 |
| 2121 | adaptor-related protein complex 3, mu 2 subunit [Rattus norvegicus], gi\|1703029\|sp\|P53678.1\|AP3M2_RAT RecName: Full=AP-3 complex subunit mu-2; AltName: Full=Adapter-related protein complex 3 mu-2 subunit; AltName: Full=Mu3B-adaptin; AltName: Full=Golgi ad | gi\|18959246 | 47 | 2 | 0 | 0 | 0 | 2 |
| 2122 | antagonist of mitotic exit network 1 homolog [Rattus norvegicus], gi\|158563899\|sp\|Q5U201.2\|AMN1_RAT RecName: Full=Protein AMN1 homolog, gi\|149048911\|gb\|EDM01365.1\| similar to F-box protein FBL2, isoform CRA_a [Rattus norvegicus] | gi\|164663789 | 28 | 0 | 2 | 0 | 1 | 0 |
| 2123 | thyroid hormone receptor associated protein 6 (predicted), isoform CRA_a [Rattus norvegicus] | gi\|149066398 (+1) | 20 | 0 | 2 | 0 | 1 | 0 |
| 2124 | procollagen, type VI, alpha 3 (predicted), isoform CRA_b [Rattus norvegicus] | gi\|149037630 (+4) | 311 | 0 | 2 | 0 | 1 | 0 |
| 2125 | leucine rich repeat neuronal 1 [Rattus norvegicus], gi\|85701140\|sp\|Q32Q07.1\|LRRN1_RAT RecName: Full=Leucine-rich repeat neuronal protein 1; AltName: Full=Neuronal leucine-rich repeat protein 1; Short=NLRR-1; Flags: Precursor, gi\|79152324\|gb\|AAI07903.1\| Le | gi\|82654226 | 81 | 2 | 0 | 0 | 0 | 2 |
| 2126 | polyglutamine binding protein 1, isoform CRA_a [Rattus norvegicus] | gi\|149028428 (+1) | 31 | 2 | 0 | 0 | 0 | 2 |
| 2127 | immunoglobulin superfamily, member 8, isoform CRA_a [Rattus norvegicus], gi\|149040745\|gb\|EDL94702.1\| immunoglobulin superfamily, member 8, isoform CRA_a [Rattus norvegicus], gi\|149040747\|gb\|EDL94704.1\| immunoglobulin superfamily, member 8, isoform CRA_a [ | gi\|149040743 (+1) | 64 | 2 | 0 | 0 | 0 | 2 |
| 2128 | glutamine synthetase 1 [Rattus norvegicus], gi\|121376\|sp\|P09606.3\|GLNA_RAT RecName: Full=Glutamine synthetase; Short=GS; AltName: Full=Glutamate--ammonia ligase, gi\|57577\|emb\|CAA30754.1\| unnamed protein product [Rattus norvegicus], gi\|204402\|gb\|AAA65095.1 | gi\|142349612 (+3) | 42 | 2 | 0 | 0 | 0 | 2 |
| 2129 | plastin 3 (T-isoform) [Rattus norvegicus], gi\|149030088\|gb\|EDL85165.1\| plastin 3 (T-isoform), isoform CRA_a [Rattus norvegicus], gi\|149030089\|gb\|EDL85166.1\| plastin 3 (T-isoform), isoform CRA_a [Rattus norvegicus] | gi\|209954804 (+2) | 71 | 0 | 2 | 0 | 1 | 0 |
| 2130 | myosin 9b [Rattus norvegicus] | gi\|65305715 (+2) | 229 | 0 | 2 | 0 | 1 | 0 |
| END OF FILE | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |