Thangiah Geetha et al., Supplemental Table 3. 73 unique proteins detected with a minimum of 4 assigned spectra in at least 4 out of 5 basal samples or at least 4 out of 5 insulin stimulated samples

| Gene Name | Protein Name | Accession numbers | Protein molecular weight (AMU) | Spectrum count Exp.1 BAS | **Spectrum count Exp.1 INS** | Spectrum count Exp.2 BAS | **Spectrum count Exp.2 INS** | Spectrum count Exp.3 BAS | **Spectrum count Exp.3 INS** | Spectrum count Exp.4 BAS | **Spectrum count Exp.4 INS** | Spectrum count Exp.5 BAS | **Spectrum count Exp.5 INS** | NormSC Exp.1 BAS | **NormSC Exp.1 INS** | NormSC Exp.2 BAS | **NormSC Exp.2 INS** | NormSC Exp.3 BAS | **NormSC Exp.3 INS** | NormSC Exp.4 BAS | **NormSC Exp.4 INS** | NormSC Exp.5 BAS | **NormSC Exp.5 INS** | Mean NormSC BAS | STDEV NormSC BAS | **Mean NormSC INS** | **STDEV NormSC INS** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Irs1 | Insulin receptor substrate 1 | IPI00199662 | 131160 | 93 | 108 | 85 | 85 | 105 | 126 | 145 | 91 | 99 | 88 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | | | | |
| Acta1 | Actin alpha skeletal muscle | IPI00189813 | 42034 | 12 | 10 | 23 | 18 | 21 | 15 | 9 | 10 | 5 | 8 | 0.1290 | 0.0926 | 0.2706 | 0.2118 | 0.2000 | 0.1190 | 0.0621 | 0.1099 | 0.0505 | 0.0909 | 0.1424 | 0.0933 | 0.1248 | 0.05001 |
| Actb | Actin cytoplasmic 1 | IPI00189819,IPI00765011, IPI00896224 | 41720 | 104 | 83 | 174 | 153 | 178 | 122 | 78 | 107 | 140 | 254 | 1.1183 | 0.7685 | 2.0471 | 1.8000 | 1.6952 | 0.9683 | 0.5379 | 1.1758 | 1.4141 | 2.8864 | 1.3625 | 0.5748 | 1.5198 | 0.856294 |
| Actc1 | Actin alpha cardiac muscle 1 | IPI00194087 | 42002 | 359 | 321 | 552 | 472 | 537 | 440 | 287 | 362 | 181 | 426 | 3.8602 | 2.9722 | 6.4941 | 5.5529 | 5.1143 | 3.4921 | 1.9793 | 3.9780 | 1.8283 | 4.8409 | 3.8552 | 2.0110 | 4.1672 | 1.036066 |
| **Actn1 *** | **Alpha-actinin-1** | ***IPI00209082,IPI00454431*** | ***102946*** | ***13*** | ***34*** | ***20*** | ***28*** | ***15*** | ***32*** | ***0*** | ***6*** | ***0*** | ***10*** | **0.1398** | **0.3148** | **0.2353** | **0.3294** | **0.1429** | **0.2540** | **0.0000** | **0.0659** | **0.0000** | **0.1136** | **0.1036** | **0.1021** | **0.2156** | **0.119442** |
| **Actn4 *** | **Alpha-actinin-4** | ***IPI00213463*** | ***104900*** | ***21*** | ***49*** | ***34*** | ***44*** | ***38*** | ***46*** | ***4*** | ***14*** | ***1*** | ***20*** | **0.2258** | **0.4537** | **0.4000** | **0.5176** | **0.3619** | **0.3651** | **0.0276** | **0.1538** | **0.0101** | **0.2273** | **0.2051** | **0.1820** | **0.3435** | **0.151999** |
| Agap3 | ArfGAP with GTPase domain ankyrin repeat and PH domain 3 | IPI00870084 | 58223 | 27 | 26 | 26 | 41 | 42 | 43 | 23 | 18 | 0 | 1 | 0.2903 | 0.2407 | 0.3059 | 0.4824 | 0.4000 | 0.3413 | 0.1586 | 0.1978 | 0.0000 | 0.0114 | 0.2310 | 0.1552 | 0.2547 | 0.174617 |
| Atp5a1 | ATP synthase subunit alpha mitochondrial | IPI00396910 | 59737 | 3 | 10 | 12 | 6 | 2 | 11 | 4 | 5 | 7 | 13 | 0.0323 | 0.0926 | 0.1412 | 0.0706 | 0.0190 | 0.0873 | 0.0276 | 0.0549 | 0.0707 | 0.1477 | 0.0582 | 0.0505 | 0.0906 | 0.035179 |
| **Cald1 *** | **Caldesmon** | ***IPI00208118*** | ***60567*** | ***23*** | ***41*** | ***14*** | ***27*** | ***17*** | ***22*** | ***1*** | ***13*** | ***1*** | ***3*** | **0.2473** | **0.3796** | **0.1647** | **0.3176** | **0.1619** | **0.1746** | **0.0069** | **0.1429** | **0.0101** | **0.0341** | **0.1182** | **0.1058** | **0.2098** | **0.138805** |
| Centg2 | centaurin gamma 2 | *IPI00389524* | *96839* | *9* | *16* | *11* | *12* | *14* | *18* | *8* | *10* | *0* | *0* | 0.0968 | 0.1481 | 0.1294 | 0.1412 | 0.1333 | 0.1429 | 0.0552 | 0.1099 | 0.0000 | 0.0000 | 0.0829 | 0.0560 | 0.1084 | 0.062439 |
| Ckap4 | cytoskeleton-associated protein 4 | IPI00365982 | 63529 | 0 | 13 | 11 | 5 | 5 | 17 | 3 | 2 | 14 | 11 | 0.0000 | 0.1204 | 0.1294 | 0.0588 | 0.0476 | 0.1349 | 0.0207 | 0.0220 | 0.1414 | 0.1250 | 0.0678 | 0.0641 | 0.0922 | 0.049345 |
| Clip2 | 111 kDa protein | IPI00476704 | 111364 | 21 | 42 | 36 | 31 | 43 | 49 | 10 | 32 | 12 | 16 | 0.2258 | 0.3889 | 0.4235 | 0.3647 | 0.4095 | 0.3889 | 0.0690 | 0.3516 | 0.1212 | 0.1818 | 0.2498 | 0.1624 | 0.3352 | 0.087224 |
| Cltc | Clathrin heavy chain 1 | *IPI00193983* | *191585* | *2* | *8* | *5* | *10* | *3* | *11* | *3* | *0* | *19* | *29* | 0.0215 | 0.0741 | 0.0588 | 0.1176 | 0.0286 | 0.0873 | 0.0207 | 0.0000 | 0.1919 | 0.3295 | 0.0643 | 0.0730 | 0.1217 | 0.123974 |
| DCD | Dermcidin | IPI00421832 | 11266 | 37 | 21 | 37 | 46 | 51 | 61 | 87 | 52 | 6 | 6 | 0.3978 | 0.1944 | 0.4353 | 0.5412 | 0.4857 | 0.4841 | 0.6000 | 0.5714 | 0.0606 | 0.0682 | 0.3959 | 0.2023 | 0.3719 | 0.226272 |
| Dbn1 | Isoform A of Drebrin | IPI00231407,IPI00231784 | 77453 | 10 | 14 | 16 | 10 | 15 | 21 | 2 | 7 | 0 | 7 | 0.1075 | 0.1296 | 0.1882 | 0.1176 | 0.1429 | 0.1667 | 0.0138 | 0.0769 | 0.0000 | 0.0795 | 0.0905 | 0.0816 | 0.1141 | 0.037394 |
| Ddx3x | DEAD (Asp-Glu-Ala-Asp) box polypeptide 3 X-linked | IPI00362534 | 73130 | 12 | 11 | 10 | 10 | 15 | 20 | 0 | 9 | 3 | 7 | 0.1290 | 0.1019 | 0.1176 | 0.1176 | 0.1429 | 0.1587 | 0.0000 | 0.0989 | 0.0303 | 0.0795 | 0.0840 | 0.0643 | 0.1113 | 0.029754 |
| Dsp | similar to desmoplakin isoform I isoform 2 | IPI00366081 | 332383 | 10 | 11 | 39 | 27 | 28 | 23 | 20 | 21 | 1 | 0 | 0.1075 | 0.1019 | 0.4588 | 0.3176 | 0.2667 | 0.1825 | 0.1379 | 0.2308 | 0.0101 | 0.0000 | 0.1962 | 0.1731 | 0.1666 | 0.121588 |
| Eef1a1 | Elongation factor 1-alpha 1 | IPI00195372,IPI00551729 | 50096 | 13 | 17 | 25 | 19 | 18 | 27 | 15 | 14 | 17 | 11 | 0.1398 | 0.1574 | 0.2941 | 0.2235 | 0.1714 | 0.2143 | 0.1034 | 0.1538 | 0.1717 | 0.1250 | 0.1761 | 0.0717 | 0.1748 | 0.042294 |
| **Eef2 *** | **Elongation factor 2** | ***IPI00203214*** | ***95268*** | ***4*** | ***9*** | ***12*** | ***16*** | ***13*** | ***17*** | ***0*** | ***5*** | ***1*** | ***6*** | **0.0430** | **0.0833** | **0.1412** | **0.1882** | **0.1238** | **0.1349** | **0.0000** | **0.0549** | **0.0101** | **0.0682** | **0.0636** | **0.0651** | **0.1059** | **0.055113** |
| Flii | Flightless I homolog | *IPI00211698* | *144843* | *8* | *12* | *9* | *11* | *10* | *17* | *0* | *0* | *0* | *7* | 0.0860 | 0.1111 | 0.1059 | 0.1294 | 0.0952 | 0.1349 | 0.0000 | 0.0000 | 0.0000 | 0.0795 | 0.0574 | 0.0529 | 0.0910 | 0.055275 |
| Gsn | isoform 2 of Gelsolin | IPI00923716 | 80911 | 66 | 75 | 86 | 100 | 72 | 63 | 13 | 34 | 52 | 122 | 0.7097 | 0.6944 | 1.0118 | 1.1765 | 0.6857 | 0.5000 | 0.0897 | 0.3736 | 0.5253 | 1.3864 | 0.6044 | 0.3372 | 0.8262 | 0.437339 |
| Hadha | Trifunctional enzyme subunit alpha mitochondrial | IPI00212622 | 82649 | 3 | 4 | 9 | 3 | 0 | 6 | 0 | 4 | 7 | 10 | 0.0323 | 0.0370 | 0.1059 | 0.0353 | 0.0000 | 0.0476 | 0.0000 | 0.0440 | 0.0707 | 0.1136 | 0.0418 | 0.0462 | 0.0555 | 0.03288 |
| **Hsp90ab1 *** | **Heat shock protein HSP 90-beta** | **IPI00471584** | **83266** | **16** | **25** | **29** | **32** | **14** | **23** | **4** | **17** | **16** | **38** | **0.1720** | **0.2315** | **0.3412** | **0.3765** | **0.1333** | **0.1825** | **0.0276** | **0.1868** | **0.1616** | **0.4318** | **0.1672** | **0.1129** | **0.2818** | **0.114973** |
| **Hspa5 *** | **78 kDa glucose-regulated protein** | ***IPI00206624*** | ***72331*** | ***34*** | ***52*** | ***36*** | ***42*** | ***41*** | ***59*** | ***12*** | ***33*** | ***25*** | ***32*** | **0.3656** | **0.4815** | **0.4235** | **0.4941** | **0.3905** | **0.4683** | **0.0828** | **0.3626** | **0.2525** | **0.3636** | **0.3030** | **0.1389** | **0.4340** | **0.065356** |
| Hspa8 | Heat shock cognate 71 kDa protein | IPI00208205 | 70855 | 37 | 56 | 49 | 45 | 59 | 59 | 8 | 27 | 17 | 24 | 0.3978 | 0.5185 | 0.5765 | 0.5294 | 0.5619 | 0.4683 | 0.0552 | 0.2967 | 0.1717 | 0.2727 | 0.3526 | 0.2330 | 0.4171 | 0.123344 |
| Hspa9 | Stress-70 protein mitochondrial | IPI00363265 | 73840 | 9 | 17 | 14 | 11 | 19 | 23 | 3 | 6 | 5 | 9 | 0.0968 | 0.1574 | 0.1647 | 0.1294 | 0.1810 | 0.1825 | 0.0207 | 0.0659 | 0.0505 | 0.1023 | 0.1027 | 0.0697 | 0.1275 | 0.045701 |
| **Htra1 *** | **HtrA serine peptidase 1 isoform CRA_a** | **IPI00199325** | **51312** | **4** | **8** | **10** | **14** | **4** | **12** | **1** | **2** | **1** | **15** | **0.0430** | **0.0741** | **0.1176** | **0.1647** | **0.0381** | **0.0952** | **0.0069** | **0.0220** | **0.0101** | **0.1705** | **0.0432** | **0.0447** | **0.1053** | **0.062835** |
| Kb15 | Type II keratin Kb15 | IPI00207038 | 58080 | 85 | 83 | 107 | 130 | 114 | 100 | 203 | 174 | *27* | 27 | 0.9140 | 0.7685 | 1.2588 | 1.5294 | 1.0857 | 0.7937 | 1.4000 | 1.9121 | 0.2727 | 0.3068 | 0.9862 | 0.4387 | 1.0621 | 0.646058 |
| Krt1 | Keratin type II cytoskeletal 1 | IPI00421857 | 64814 | 220 | 264 | 386 | 239 | 278 | 315 | 298 | 264 | 135 | 130 | 2.3656 | 2.4444 | 4.5412 | 2.8118 | 2.6476 | 2.5000 | 2.0552 | 2.9011 | 1.3636 | 1.4773 | 2.5946 | 1.1886 | 2.4269 | 0.56578 |
| Krt10 | Keratin type I cytoskeletal 10 | IPI00421806,IPI00551673 | 56489 | 283 | 244 | 362 | 342 | 338 | 314 | 430 | 365 | 97 | 131 | 3.0430 | 2.2593 | 4.2588 | 4.0235 | 3.2190 | 2.4921 | 2.9655 | 4.0110 | 0.9798 | 1.4886 | 2.8932 | 1.1895 | 2.8549 | 1.124205 |
| Krt14 | Keratin type I cytoskeletal 14 | IPI00421855 | 52667 | 128 | 90 | 171 | 142 | 150 | 131 | 130 | 106 | 28 | 28 | 1.3763 | 0.8333 | 2.0118 | 1.6706 | 1.4286 | 1.0397 | 0.8966 | 1.1648 | 0.2828 | 0.3182 | 1.1992 | 0.6472 | 1.0053 | 0.492683 |
| Krt15 | Keratin type I cytoskeletal 15 | IPI00370090 | 48854 | 7 | 9 | 8 | 9 | 2 | 1 | 2 | 4 | 7 | 5 | 0.0753 | 0.0833 | 0.0941 | 0.1059 | 0.0190 | 0.0079 | 0.0138 | 0.0440 | 0.0707 | 0.0568 | 0.0546 | 0.0360 | 0.0596 | 0.037506 |
| Krt16 | Type I keratin KA16 | IPI00421793 | 50760 | 21 | 31 | 54 | 24 | 29 | 24 | 45 | 27 | 15 | 9 | 0.2258 | 0.2870 | 0.6353 | 0.2824 | 0.2762 | 0.1905 | 0.3103 | 0.2967 | 0.1515 | 0.1023 | 0.3198 | 0.1862 | 0.2318 | 0.084119 |
| Krt17 | Keratin type I cytoskeletal 17 | IPI00370073 | 48106 | 295 | 292 | 468 | 283 | 337 | 339 | 386 | 325 | 43 | 28 | 3.1720 | 2.7037 | 5.5059 | 3.3294 | 3.2095 | 2.6905 | 2.6621 | 3.5714 | 0.4343 | 0.3182 | 2.9968 | 1.8062 | 2.5226 | 1.291455 |
| Krt2 | Keratin type II cytoskeletal 2 epidermal | IPI00551558,IPI00559533 | 69273 | 146 | 125 | 199 | 157 | 175 | 181 | 206 | 172 | 33 | 34 | 1.5699 | 1.1574 | 2.3412 | 1.8471 | 1.6667 | 1.4365 | 1.4207 | 1.8901 | 0.3333 | 0.3864 | 1.4664 | 0.7249 | 1.3435 | 0.614765 |
| Krt33a | Type I hair keratin KA27 | IPI00551773 | 45954 | 0 | 4 | 46 | 37 | 1 | 4 | 0 | 9 | 0 | 0 | 0.0000 | 0.0370 | 0.5412 | 0.4353 | 0.0095 | 0.0317 | 0.0000 | 0.0989 | 0.0000 | 0.0000 | 0.1101 | 0.2410 | 0.1206 | 0.179531 |
| Krt42 | Keratin type I cytoskeletal 42 | IPI00421791 | 50196 | 18 | 18 | 19 | 22 | 21 | 20 | 19 | 19 | 4 | 4 | 0.1935 | 0.1667 | 0.2235 | 0.2588 | 0.2000 | 0.1587 | 0.1310 | 0.2088 | 0.0404 | 0.0455 | 0.1577 | 0.0740 | 0.1677 | 0.079085 |
| Krt5 | Keratin type II cytoskeletal 5 | IPI00382153 | 61809 | 474 | 456 | 674 | 596 | 602 | 628 | 711 | 634 | 110 | 107 | 5.0968 | 4.2222 | 7.9294 | 7.0118 | 5.7333 | 4.9841 | 4.9034 | 6.9670 | 1.1111 | 1.2159 | 4.9548 | 2.4623 | 4.8802 | 2.385854 |
| Lmo7 | LMO7b | IPI00421345 | 156634 | 112 | 120 | 123 | 141 | 116 | 181 | 42 | 95 | 14 | 78 | 1.2043 | 1.1111 | 1.4471 | 1.6588 | 1.1048 | 1.4365 | 0.2897 | 1.0440 | 0.1414 | 0.8864 | 0.8374 | 0.5836 | 1.2274 | 0.313581 |
| Lmod2 | Leiomodin-2 | IPI00372026 | 61700 | 9 | 6 | 3 | 13 | 11 | 11 | 0 | 4 | 0 | 3 | 0.0968 | 0.0556 | 0.0353 | 0.1529 | 0.1048 | 0.0873 | 0.0000 | 0.0440 | 0.0000 | 0.0341 | 0.0474 | 0.0509 | 0.0748 | 0.048066 |
| Lmod3 | similar to leiomodin 3 | IPI00568699 | 57499 | 16 | 14 | 14 | 14 | 8 | 18 | 1 | 7 | 0 | 1 | 0.1720 | 0.1296 | 0.1647 | 0.1647 | 0.0762 | 0.1429 | 0.0069 | 0.0769 | 0.0000 | 0.0114 | 0.0840 | 0.0827 | 0.1051 | 0.061564 |
| LOC683313 | Keratin type II cytoskeletal 6A | IPI00393340 | 59233 | 52 | 55 | 78 | 63 | 74 | 52 | 82 | 71 | 38 | 44 | 0.5591 | 0.5093 | 0.9176 | 0.7412 | 0.7048 | 0.4127 | 0.5655 | 0.7802 | 0.3838 | 0.5000 | 0.6262 | 0.1988 | 0.5887 | 0.162083 |
| Lrrfip2 | Leucine-rich repeat flightless-interacting protein 2 | IPI00373564,IPI00780550 | 49756 | 6 | 7 | 3 | 6 | 5 | 12 | 0 | 7 | 0 | 0 | 0.0645 | 0.0648 | 0.0353 | 0.0706 | 0.0476 | 0.0952 | 0.0000 | 0.0769 | 0.0000 | 0.0000 | 0.0295 | 0.0288 | 0.0615 | 0.036235 |
| **Mprip *** | **258 kDa protein** | **IPI00392930** | **257845** | **71** | **95** | **100** | **105** | **73** | **117** | **11** | **58** | **11** | **83** | **0.7634** | **0.8796** | **1.1765** | **1.2353** | **0.6952** | **0.9286** | **0.0759** | **0.6374** | **0.1111** | **0.9432** | **0.5644** | **0.4678** | **0.9248** | **0.212967** |
| Myh10 | 234 kDa protein | IPI00391300 | 233603 | 210 | 116 | 150 | 363 | 166 | 157 | 143 | 435 | 10 | 145 | 2.2581 | 1.0741 | 1.7647 | 4.2706 | 1.5810 | 1.2460 | 0.9862 | 4.7802 | 0.1010 | 1.6477 | 1.3382 | 0.8279 | 2.6037 | 1.775715 |
| Myh14 | myosin heavy chain 14 | IPI00367479 | 229088 | 13 | 5 | 9 | 19 | 9 | 15 | 12 | 23 | 0 | 3 | 0.1398 | 0.0463 | 0.1059 | 0.2235 | 0.0857 | 0.1190 | 0.0828 | 0.2527 | 0.0000 | 0.0341 | 0.0828 | 0.0516 | 0.1351 | 0.100009 |
| Myh3 | Myosin-3 | IPI00201578 | 223846 | 146 | 132 | 172 | 323 | 149 | 217 | 182 | 306 | 14 | 99 | 1.5699 | 1.2222 | 2.0235 | 3.8000 | 1.4190 | 1.7222 | 1.2552 | 3.3626 | 0.1414 | 1.1250 | 1.2818 | 0.6988 | 2.2464 | 1.24909 |
| Myh9 | Myosin-9 | IPI00209113 | 226326 | 2139 | 1242 | 1862 | 3095 | 2027 | 2067 | 2414 | 3511 | 358 | 883 | 23.0000 | 11.5000 | 21.9059 | 36.4118 | 19.3048 | 16.4048 | 16.6483 | 38.5824 | 3.6162 | 10.0341 | 16.8950 | 7.8195 | 22.5866 | 13.83559 |
| Myo1c | Myosin-Ic | IPI00393867 | 119797 | 216 | 215 | 252 | 289 | 328 | 381 | 73 | 175 | 15 | 110 | 2.3226 | 1.9907 | 2.9647 | 3.4000 | 3.1238 | 3.0238 | 0.5034 | 1.9231 | 0.1515 | 1.2500 | 1.8132 | 1.3946 | 2.3175 | 0.876438 |
| Myo1d | Myosin-Id | IPI00207989 | 116081 | 149 | 144 | 166 | 221 | 255 | 272 | 48 | 135 | 0 | 28 | 1.6022 | 1.3333 | 1.9529 | 2.6000 | 2.4286 | 2.1587 | 0.3310 | 1.4835 | 0.0000 | 0.3182 | 1.2629 | 1.0504 | 1.5788 | 0.871444 |
| Nexn | Isoform 1 of Nexilin | IPI00209938 | 78377 | 49 | 50 | 50 | 47 | 63 | 61 | 5 | 31 | 1 | 13 | 0.5269 | 0.4630 | 0.5882 | 0.5529 | 0.6000 | 0.4841 | 0.0345 | 0.3407 | 0.0101 | 0.1477 | 0.3519 | 0.3023 | 0.3977 | 0.159349 |
| **Pabpc1 *** | **Polyadenylate-binding protein 1** | ***IPI00189074*** | ***70683*** | ***4*** | ***5*** | ***4*** | ***6*** | ***6*** | ***9*** | ***1*** | ***1*** | ***1*** | ***4*** | **0.0430** | **0.0463** | **0.0471** | **0.0706** | **0.0571** | **0.0714** | **0.0069** | **0.0110** | **0.0101** | **0.0455** | **0.0328** | **0.0228** | **0.0490** | **0.024667** |
| **Pik3ca *** | **similar to Phosphatidylinositol-4 5-bisphosphate 3-kinase catalytic subunit alpha isoform (PI3-kinase p110 subunit alpha) (PtdIns-3-kinase p110) (PI3K) isoform 3** | ***IPI00769069,IPI00769166*** | ***124233*** | ***0*** | ***17*** | ***0*** | ***17*** | ***0*** | ***26*** | ***0*** | ***28*** | ***3*** | ***12*** | **0.0000** | **0.1574** | **0.0000** | **0.2000** | **0.0000** | **0.2063** | **0.0000** | **0.3077** | **0.0303** | **0.1364** | **0.0061** | **0.0136** | **0.2016** | **0.066124** |
| **Pik3cb *** | **Phosphatidylinositol-4 5-bisphosphate 3-kinase catalytic subunit beta isoform** | ***IPI00208989*** | ***122595*** | ***0*** | ***6*** | ***0*** | ***7*** | ***0*** | ***6*** | ***0*** | ***6*** | ***0*** | ***3*** | **0.0000** | **0.0556** | **0.0000** | **0.0824** | **0.0000** | **0.0476** | **0.0000** | **0.0659** | **0.0000** | **0.0341** | **0.0000** | **0.0000** | **0.0571** | **0.018286** |
| **Pik3r1 *** | **Isoform p85-alpha of Phosphatidylinositol 3-kinase regulatory subunit alpha** | ***IPI00211946*** | ***83516*** | ***0*** | ***4*** | ***0*** | ***10*** | ***0*** | ***19*** | ***0*** | ***6*** | ***0*** | ***2*** | **0.0000** | **0.0370** | **0.0000** | **0.1176** | **0.0000** | **0.1508** | **0.0000** | **0.0659** | **0.0000** | **0.0227** | **0.0000** | **0.0000** | **0.0788** | **0.054189** |
| **Pik3r2 *** | **Phosphatidylinositol 3-kinase regulatory subunit polypeptide 2 isoform CRA_a** | ***IPI00554334*** | ***81251*** | ***12*** | ***88*** | ***16*** | ***83*** | ***12*** | ***100*** | ***2*** | ***71*** | ***11*** | ***29*** | **0.1290** | **0.8148** | **0.1882** | **0.9765** | **0.1143** | **0.7937** | **0.0138** | **0.7802** | **0.1111** | **0.3295** | **0.1113** | **0.0627** | **0.7389** | **0.242115** |
| **Ppp1r12a *** | **Isoform 1 of Protein phosphatase 1 regulatory subunit 12A** | ***IPI00400680,IPI00400681*** | ***115268*** | ***5*** | ***12*** | ***12*** | ***13*** | ***7*** | ***16*** | ***1*** | ***9*** | ***0*** | ***9*** | **0.0538** | **0.1111** | **0.1412** | **0.1529** | **0.0667** | **0.1270** | **0.0069** | **0.0989** | **0.0000** | **0.1023** | **0.0537** | **0.0568** | **0.1184** | **0.022137** |
| Rai14 | Isoform 2 of Ankycorbin | IPI00372146 | 105981 | 44 | 51 | 60 | 61 | 50 | 69 | 0 | 32 | 12 | 62 | 0.4731 | 0.4722 | 0.7059 | 0.7176 | 0.4762 | 0.5476 | 0.0000 | 0.3516 | 0.1212 | 0.7045 | 0.3553 | 0.2883 | 0.5587 | 0.155729 |
| Rps27a | Ribosomal protein S27a | IPI00190240,IPI00198550, IPI00361888,IPI00391830, IPI00476033,IPI00656453, IPI00776427,IPI00882520 | 17934 | 14 | 15 | 22 | 21 | 21 | 24 | 18 | 15 | 7 | 9 | 0.1505 | 0.1389 | 0.2588 | 0.2471 | 0.2000 | 0.1905 | 0.1241 | 0.1648 | 0.0707 | 0.1023 | 0.1608 | 0.0720 | 0.1687 | 0.054613 |
| Sdpr | Serum deprivation-response protein | IPI00362416 | 46368 | 0 | 5 | 12 | 8 | 2 | 18 | 3 | 4 | 0 | 0 | 0.0000 | 0.0463 | 0.1412 | 0.0941 | 0.0190 | 0.1429 | 0.0207 | 0.0440 | 0.0000 | 0.0000 | 0.0362 | 0.0595 | 0.0654 | 0.054604 |
| Smtn | smoothelin | IPI00361871,IPI00561311 | 99862 | 12 | 8 | 15 | 13 | 13 | 13 | 0 | 7 | 0 | 13 | 0.1290 | 0.0741 | 0.1765 | 0.1529 | 0.1238 | 0.1032 | 0.0000 | 0.0769 | 0.0000 | 0.1477 | 0.0859 | 0.0810 | 0.1110 | 0.037729 |
| Specc1l | Cytospin-A | *IPI00372846* | *124324* | *16* | *20* | *21* | *18* | *15* | *36* | *2* | *19* | *0* | *3* | 0.1720 | 0.1852 | 0.2471 | 0.2118 | 0.1429 | 0.2857 | 0.0138 | 0.2088 | 0.0000 | 0.0341 | 0.1152 | 0.1060 | 0.1851 | 0.092465 |
| Tnnt2 | Isoform 2 of Troponin T cardiac muscle | IPI00231332,IPI00231812, IPI00561761,IPI00776952, IPI00780763 | 34435 | 87 | 45 | 111 | 103 | 111 | 112 | 45 | 76 | 2 | 8 | 0.9355 | 0.4167 | 1.3059 | 1.2118 | 1.0571 | 0.8889 | 0.3103 | 0.8352 | 0.0202 | 0.0909 | 0.7258 | 0.5387 | 0.6887 | 0.437744 |
| **Tnnt3 *** | **Isoform 1 of Troponin T fast skeletal muscle** | **IPI00554262,IPI00560341, IPI00829459,IPI00829466, IPI00829504,IPI00829511** | **30734** | **18** | **22** | **25** | **28** | **38** | **46** | **0** | **21** | **2** | **6** | **0.1935** | **0.2037** | **0.2941** | **0.3294** | **0.3619** | **0.3651** | **0.0000** | **0.2308** | **0.0202** | **0.0682** | **0.1740** | **0.1613** | **0.2394** | **0.116792** |
| Tpm1 | Isoform 1 of Tropomyosin alpha-1 chain | IPI00197888 | 32664 | 27 | 9 | 26 | 37 | 35 | 30 | 9 | 17 | 4 | 10 | 0.2903 | 0.0833 | 0.3059 | 0.4353 | 0.3333 | 0.2381 | 0.0621 | 0.1868 | 0.0404 | 0.1136 | 0.2064 | 0.1427 | 0.2114 | 0.139108 |
| Tpm1 | tropomyosin 1 alpha isoform c | IPI00210945 | 32831 | 231 | 149 | 307 | 307 | 309 | 252 | 106 | 160 | 79 | 228 | 2.4839 | 1.3796 | 3.6118 | 3.6118 | 2.9429 | 2.0000 | 0.7310 | 1.7582 | 0.7980 | 2.5909 | 2.1135 | 1.2953 | 2.2681 | 0.870467 |
| Tpm2 | Isoform 1 of Tropomyosin beta chain | IPI00230775 | 32820 | 122 | 93 | 167 | 174 | 165 | 167 | 57 | 98 | 14 | 57 | 1.3118 | 0.8611 | 1.9647 | 2.0471 | 1.5714 | 1.3254 | 0.3931 | 1.0769 | 0.1414 | 0.6477 | 1.0765 | 0.7795 | 1.1916 | 0.540343 |
| Tpm2 | Isoform 2 of Tropomyosin beta chain | IPI00187731 | 32941 | 12 | 8 | 8 | 12 | 14 | 13 | 3 | 11 | 3 | 21 | 0.1290 | 0.0741 | 0.0941 | 0.1412 | 0.1333 | 0.1032 | 0.0207 | 0.1209 | 0.0303 | 0.2386 | 0.0815 | 0.0534 | 0.1356 | 0.062652 |
| Tuba1b | Tubulin alpha-1B chain | IPI00339167 | 50134 | 32 | 40 | 42 | 41 | 30 | 47 | 19 | 30 | 38 | 69 | 0.3441 | 0.3704 | 0.4941 | 0.4824 | 0.2857 | 0.3730 | 0.1310 | 0.3297 | 0.3838 | 0.7841 | 0.3278 | 0.1337 | 0.4679 | 0.185613 |
| Tubb2a | Tubulin beta-2A chain | IPI00475639 | 49889 | 4 | 8 | 7 | 6 | 2 | 7 | 2 | 7 | 2 | 4 | 0.0430 | 0.0741 | 0.0824 | 0.0706 | 0.0190 | 0.0556 | 0.0138 | 0.0769 | 0.0202 | 0.0455 | 0.0357 | 0.0284 | 0.0645 | 0.01347 |
| Tubb5 | Isoform 1 of Tubulin beta-5 chain | IPI00197579 | 49653 | 23 | 49 | 66 | 63 | 39 | 69 | 20 | 32 | 25 | 45 | 0.2473 | 0.4537 | 0.7765 | 0.7412 | 0.3714 | 0.5476 | 0.1379 | 0.3516 | 0.2525 | 0.5114 | 0.3571 | 0.2485 | 0.5211 | 0.143603 |
| Tubb6 | Tubulin beta 6 | IPI00195673 | 50041 | 4 | 12 | 16 | 12 | 3 | 14 | 6 | 10 | 4 | 11 | 0.0430 | 0.1111 | 0.1882 | 0.1412 | 0.0286 | 0.1111 | 0.0414 | 0.1099 | 0.0404 | 0.1250 | 0.0683 | 0.0673 | 0.1197 | 0.013538 |
| Vim | Vimentin | IPI00230941 | 53716 | 105 | 124 | 107 | 102 | 43 | 155 | 64 | 43 | 137 | 261 | 1.1290 | 1.1481 | 1.2588 | 1.2000 | 0.4095 | 1.2302 | 0.4414 | 0.4725 | 1.3838 | 2.9659 | 0.9245 | 0.4645 | 1.4033 | 0.927968 |