|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Appendix Table 4. Gene expression in SK-N-AS cells vs. SK-N-DZ cells transfected with pre-miR-34a and either suppressed or induced by radiation.** | | | | | | | | | |
| “AS vs DZ w/o IR”, “DZ vs AS w/o IR”, “AS vs DZ IR”, “DZ vs AS IR”. ENSEMBL designations for differentially expressed genes were used in g-profiler to generate Graphical Table 3.3 | | | | | | | | | | |
| **Genes suppressed by irradiation in miR34a transfected cells, upregulated in SK-N-AS cells vs SK-N-DZ cells** | | | | | | | | **AS vs DZ w/o IR** | |
| logFC | AveExpr | t | P.Value | adj.P.Val | B | SYMBOL | GENENAME | | ENSEMBL | |
| 0.97829 | 6.439153 | 8.170795 | 1.08E-09 | 3.04E-09 | 11.41018 | ASS1P4 | argininosuccinate synthetase 1 pseudogene 4 | | ENSG00000213487 | |
| 0.885511 | 6.767262 | 6.381983 | 2.22E-07 | 3.85E-07 | 6.046601 | RNU6-611P | RNA, U6 small nuclear 611, pseudogene | | ENSG00000207003 | |
| 0.830072 | 10.26617 | 6.05149 | 6.10E-07 | 9.37E-07 | 5.034895 | SF3B6 | splicing factor 3b subunit 6 | | ENSG00000115128 | |
| 0.809193 | 5.844503 | 6.937996 | 4.12E-08 | 8.10E-08 | 7.739475 | LOC105378429 | uncharacterized LOC105378429 | | ENSG00000286981 | |
| 0.7877 | 6.213948 | 6.510208 | 1.50E-07 | 2.72E-07 | 6.438306 | EGLN1P1 | egl-9 family hypoxia inducible factor 1 pseudogene 1 | | NA | |
| 0.775994 | 7.345595 | 5.583163 | 2.57E-06 | 3.53E-06 | 3.600659 | BCL2L2-PABPN1 | BCL2L2-PABPN1 readthrough | | ENSG00000258643 | |
| 0.774248 | 7.225267 | 5.823207 | 1.23E-06 | 1.78E-06 | 4.335429 | ASS1P14 | argininosuccinate synthetase 1 pseudogene 14 | | ENSG00000257316 | |
| 0.765681 | 5.648675 | 5.29308 | 6.24E-06 | 8.02E-06 | 2.715645 | LOC107986018 | uncharacterized LOC107986018 | | NA | |
| 0.757142 | 7.142344 | 7.267996 | 1.53E-08 | 3.18E-08 | 8.735194 | MSL3P1 | MSL complex subunit 3 pseudogene 1 | | ENSG00000224287 | |
| 0.752227 | 6.366252 | 9.280878 | 4.71E-11 | 1.83E-10 | 14.57647 | RPL36AP19 | ribosomal protein L36a pseudogene 19 | | NA | |
| 0.747063 | 5.714472 | 3.904535 | 0.000401 | 0.000422 | -1.38158 | LOC105374369 | uncharacterized LOC105374369 | | NA | |
| 0.734589 | 7.467406 | 5.632957 | 2.20E-06 | 3.05E-06 | 3.752953 | TMBIM4 | transmembrane BAX inhibitor motif containing 4 | | ENSG00000155957 | |
| 0.73436 | 6.016582 | 7.473232 | 8.31E-09 | 1.88E-08 | 9.350093 | MIR4263 | microRNA 4263 | | ENSG00000265321 | |
| 0.732321 | 7.25294 | 7.371627 | 1.12E-08 | 2.43E-08 | 9.04613 | RPL18P11 | ribosomal protein L18 pseudogene 11 | | ENSG00000213307 | |
| 0.725396 | 9.433769 | 5.644983 | 2.12E-06 | 2.96E-06 | 3.789745 | CKS2 | CDC28 protein kinase regulatory subunit 2 | | ENSG00000123975 | |
| 0.715394 | 8.416421 | 4.354461 | 0.000107 | 0.000118 | -0.09192 | TWF1P1 | twinfilin 1 pseudogene 1 | | NA | |
| 0.709537 | 10.32684 | 3.832436 | 0.000494 | 0.000516 | -1.58328 | RNU5E-1 | RNA, U5E small nuclear 1 | | ENSG00000199347 | |
| 0.701686 | 6.962575 | 10.76573 | 9.16E-13 | 7.21E-12 | 18.56963 | PCDHB9 | protocadherin beta 9 | | ENSG00000177839 | |
| 0.70158 | 8.721075 | 6.757144 | 7.11E-08 | 1.35E-07 | 7.19062 | SLC25A15 | solute carrier family 25 member 15 | | ENSG00000102743 | |
| 0.700818 | 5.741169 | 5.505193 | 3.26E-06 | 4.41E-06 | 3.362372 | RPL39P29 | ribosomal protein L39 pseudogene 29 | | NA | |
| 0.699811 | 8.781948 | 5.906277 | 9.52E-07 | 1.41E-06 | 4.589938 | ATP5MPL | ATP synthase membrane subunit 6.8PL | | ENSG00000156411 | |
| 0.695264 | 7.010343 | 9.100064 | 7.77E-11 | 2.81E-10 | 14.07093 | LOC339803 | uncharacterized LOC339803 | | ENSG00000212978 | |
| 0.69315 | 5.455939 | 3.682442 | 0.000758 | 0.000781 | -1.99775 | MIR548C | microRNA 548c | | ENSG00000207546 | |
| 0.692838 | 6.567704 | 6.451713 | 1.80E-07 | 3.17E-07 | 6.259691 | PDLIM1P4 | PDZ and LIM domain 1 pseudogene 4 | | ENSG00000249274 | |
| 0.688612 | 7.999298 | 7.016602 | 3.25E-08 | 6.44E-08 | 7.977373 | SLC30A1 | solute carrier family 30 member 1 | | ENSG00000170385 | |
| 0.688477 | 7.699945 | 5.818093 | 1.25E-06 | 1.80E-06 | 4.319763 | ARFIP1 | ADP ribosylation factor interacting protein 1 | | ENSG00000164144 | |
| 0.682814 | 8.481142 | 4.421149 | 8.78E-05 | 9.76E-05 | 0.103152 | LOC100418888 | peptidase D pseudogene | | ENSG00000236319 | |
| 0.682115 | 5.932247 | 8.249721 | 8.59E-10 | 2.49E-09 | 11.64007 | L1TD1P1 | LINE-1 type transposase domain containing 1 pseudogene 1 | | NA | |
| 0.681543 | 6.894308 | 6.224127 | 3.60E-07 | 5.81E-07 | 5.563656 | ASS1P12 | argininosuccinate synthetase 1 pseudogene 12 | | ENSG00000237437 | |
| 0.678424 | 10.67591 | 6.161005 | 4.36E-07 | 6.91E-07 | 5.370376 | LOC100287430 | ribosomal protein S5 pseudogene | | ENSG00000233558 | |
| 0.677831 | 8.73216 | 6.485432 | 1.62E-07 | 2.91E-07 | 6.362669 | RPL17 | ribosomal protein L17 | | ENSG00000265681 | |
| 0.677079 | 5.70098 | 8.814416 | 1.72E-10 | 5.69E-10 | 13.264 | LINC02073 | long intergenic non-protein coding RNA 2073 | | ENSG00000267452 | |
| 0.676958 | 5.500146 | 10.16267 | 4.38E-12 | 2.64E-11 | 16.98221 | MIR924HG | MIR924 host gene | | ENSG00000267374 | |
| 0.674725 | 6.374705 | 8.112639 | 1.28E-09 | 3.53E-09 | 11.24036 | MMAA | metabolism of cobalamin associated A | | ENSG00000151611 | |
| 0.67327 | 6.958715 | 9.903684 | 8.71E-12 | 4.69E-11 | 16.28603 | CFAP298 | cilia and flagella associated protein 298 | | ENSG00000159079 | |
| 0.667336 | 8.846463 | 5.550002 | 2.84E-06 | 3.88E-06 | 3.499285 | CACYBPP2 | calcyclin binding protein pseudogene 2 | | NA | |
| 0.666917 | 6.582655 | 6.125008 | 4.87E-07 | 7.63E-07 | 5.26012 | MIR6505 | microRNA 6505 | | ENSG00000275770 | |
| 0.665085 | 7.622381 | 9.332908 | 4.09E-11 | 1.65E-10 | 14.72119 | TUBA1C | tubulin alpha 1c | | ENSG00000167553 | |
| 0.6619 | 8.310396 | 4.522431 | 6.48E-05 | 7.32E-05 | 0.401046 | MYDGF | myeloid derived growth factor | | ENSG00000074842 | |
| 0.661646 | 6.571692 | 12.06813 | 3.65E-14 | 5.90E-13 | 21.83827 | APOL6 | apolipoprotein L6 | | ENSG00000221963 | |
| 0.661573 | 8.003725 | 3.802632 | 0.000538 | 0.00056 | -1.6662 | LOC107984970 | splicing factor 3B subunit 6 pseudogene | | NA | |
| 0.660671 | 6.709573 | 4.717424 | 3.60E-05 | 4.22E-05 | 0.979516 | RN7SL448P | RNA, 7SL, cytoplasmic 448, pseudogene | | ENSG00000264322 | |
| 0.65934 | 7.830449 | 9.008031 | 1.00E-10 | 3.54E-10 | 13.81204 | PIGM | phosphatidylinositol glycan anchor biosynthesis class M | | ENSG00000143315 | |
| 0.659106 | 8.936103 | 5.302041 | 6.07E-06 | 7.84E-06 | 2.742914 | TMCO1 | transmembrane and coiled-coil domains 1 | | ENSG00000143183 | |
| 0.657828 | 6.942644 | 8.093358 | 1.35E-09 | 3.70E-09 | 11.18397 | LOC401021 | uncharacterized LOC401021 | | NA | |
| 0.656983 | 9.199727 | 4.458499 | 7.85E-05 | 8.80E-05 | 0.212787 | UBL5P2 | ubiquitin like 5 pseudogene 2 | | NA | |
| 0.654279 | 6.899103 | 7.908381 | 2.31E-09 | 6.01E-09 | 10.641 | ELAC1 | elaC ribonuclease Z 1 | | ENSG00000141642 | |
| 0.650896 | 9.206707 | 9.33953 | 4.01E-11 | 1.65E-10 | 14.73958 | NTAN1 | N-terminal asparagine amidase | | ENSG00000157045 | |
| 0.649713 | 6.287973 | 8.181321 | 1.05E-09 | 2.98E-09 | 11.44088 | CDH18 | cadherin 18 | | ENSG00000145526 | |
| 0.647566 | 10.68318 | 11.62639 | 1.06E-13 | 1.42E-12 | 20.75377 | TMEM50A | transmembrane protein 50A | | ENSG00000183726 | |
| 0.647419 | 6.530489 | 10.79522 | 8.49E-13 | 7.05E-12 | 18.64603 | NBEAL1 | neurobeachin like 1 | | ENSG00000144426 | |
| 0.646747 | 8.362768 | 4.796567 | 2.84E-05 | 3.36E-05 | 1.215949 | SNORA65 | small nucleolar RNA, H/ACA box 65 | | ENSG00000201302 | |
| 0.646005 | 7.499068 | 6.207729 | 3.78E-07 | 6.05E-07 | 5.513452 | TAF13 | TATA-box binding protein associated factor 13 | | ENSG00000197780 | |
| 0.645598 | 6.831898 | 4.563655 | 5.73E-05 | 6.51E-05 | 0.522821 | SNORD77 | small nucleolar RNA, C/D box 77 | | NA | |
| 0.645048 | 6.840877 | 5.174451 | 8.97E-06 | 1.12E-05 | 2.355221 | RPS21P1 | ribosomal protein S21 pseudogene 1 | | ENSG00000229795 | |
| 0.644412 | 8.037099 | 5.910687 | 9.39E-07 | 1.40E-06 | 4.603454 | METTL7A | methyltransferase like 7A | | ENSG00000185432 | |
| 0.643824 | 8.030865 | 9.388852 | 3.50E-11 | 1.56E-10 | 14.8764 | ERLEC1 | endoplasmic reticulum lectin 1 | | ENSG00000068912 | |
| 0.643473 | 5.947813 | 3.322508 | 0.002067 | 0.002094 | -2.96031 | NOTCH2NLC | notch 2 N-terminal like C | | ENSG00000286219 | |
| 0.640028 | 7.672464 | 14.40542 | 1.87E-16 | 7.25E-15 | 27.18678 | RALB | RAS like proto-oncogene B | | ENSG00000144118 | |
| 0.638518 | 12.29449 | 5.215411 | 7.92E-06 | 1.00E-05 | 2.479546 | PPIB | peptidylprolyl isomerase B | | ENSG00000166794 | |
| 0.634565 | 6.177715 | 4.684337 | 3.98E-05 | 4.63E-05 | 0.880935 | MIR1206 | microRNA 1206 | | ENSG00000283200 | |
| 0.634402 | 7.45136 | 6.271504 | 3.11E-07 | 5.08E-07 | 5.708669 | PIGF | phosphatidylinositol glycan anchor biosynthesis class F | | ENSG00000151665 | |
| 0.633949 | 6.141439 | 6.479797 | 1.65E-07 | 2.94E-07 | 6.345463 | SHQ1P1 | SHQ1, H/ACA ribonucleoprotein assembly factor pseudogene 1 | | NA | |
| 0.632978 | 7.229271 | 4.396662 | 9.44E-05 | 0.000105 | 0.031424 | IFITM3P7 | IFITM3 pseudogene 7 | | NA | |
| 0.631401 | 6.164056 | 4.602177 | 5.10E-05 | 5.89E-05 | 0.636877 | LOC107984615 | uncharacterized LOC107984615 | | NA | |
| 0.630553 | 7.581138 | 5.747709 | 1.55E-06 | 2.19E-06 | 4.10419 | MIR3916 | microRNA 3916 | | ENSG00000283881 | |
| 0.628602 | 7.049258 | 4.061134 | 0.000255 | 0.00027 | -0.93844 | RPL10P15 | ribosomal protein L10 pseudogene 15 | | ENSG00000267119 | |
| 0.628091 | 9.724025 | 4.646556 | 4.46E-05 | 5.17E-05 | 0.768576 | FTH1P12 | ferritin heavy chain 1 pseudogene 12 | | NA | |
| 0.627873 | 7.440738 | 9.51443 | 2.49E-11 | 1.21E-10 | 15.22337 | DIS3L2 | DIS3 like 3'-5' exoribonuclease 2 | | ENSG00000144535 | |
| 0.623694 | 8.905723 | 4.558244 | 5.82E-05 | 6.60E-05 | 0.506821 | FTH1P2 | ferritin heavy chain 1 pseudogene 2 | | ENSG00000234975 | |
| 0.623486 | 7.315565 | 6.008562 | 6.96E-07 | 1.05E-06 | 4.903363 | SNORD58C | small nucleolar RNA, C/D box 58C | | NA | |
| 0.623186 | 6.094019 | 19.37473 | 1.54E-20 | 4.71E-18 | 36.70986 | IL1R1 | interleukin 1 receptor type 1 | | ENSG00000115594 | |
| 0.622596 | 8.968704 | 7.917893 | 2.25E-09 | 5.90E-09 | 10.66901 | MLX | MAX dimerization protein MLX | | ENSG00000108788 | |
| 0.620138 | 6.231568 | 7.102609 | 2.51E-08 | 5.07E-08 | 8.237177 | IFIT2 | interferon induced protein with tetratricopeptide repeats 2 | | ENSG00000119922 | |
| 0.618684 | 9.661514 | 5.822125 | 1.23E-06 | 1.78E-06 | 4.332114 | PGK1P1 | phosphoglycerate kinase 1 pseudogene 1 | | NA | |
| 0.618532 | 6.729961 | 4.392721 | 9.56E-05 | 0.000106 | 0.019888 | NBPF19 | NBPF member 19 | | ENSG00000271383 | |
| 0.617712 | 5.791126 | 8.350336 | 6.44E-10 | 1.92E-09 | 11.93212 | FAM214BP1 | family with sequence similarity 214 member B pseudogene | | ENSG00000240487 | |
| 0.616926 | 11.97096 | 6.405641 | 2.07E-07 | 3.61E-07 | 6.118918 | SSR2 | signal sequence receptor subunit 2 | | ENSG00000163479 | |
| 0.616877 | 6.404591 | 11.87046 | 5.87E-14 | 9.01E-13 | 21.35599 | ZBTB20 | zinc finger and BTB domain containing 20 | | ENSG00000181722 | |
| 0.616377 | 9.173161 | 9.099978 | 7.77E-11 | 2.81E-10 | 14.07068 | TIPRL | TOR signaling pathway regulator | | ENSG00000143155 | |
| 0.614236 | 9.163734 | 6.108121 | 5.13E-07 | 7.99E-07 | 5.208392 | ARL2 | ADP ribosylation factor like GTPase 2 | | ENSG00000213465 | |
| 0.612438 | 6.677667 | 10.19777 | 4.00E-12 | 2.45E-11 | 17.0759 | FAM149B1P1 | family with sequence similarity 149, member B2 | | ENSG00000214424 | |
| 0.61195 | 9.011448 | 8.647109 | 2.76E-10 | 8.66E-10 | 12.78677 | POLR2H | RNA polymerase II, I and III subunit H | | ENSG00000163882 | |
| 0.611242 | 8.704255 | 7.797349 | 3.20E-09 | 8.11E-09 | 10.31338 | DEGS1 | delta 4-desaturase, sphingolipid 1 | | ENSG00000143753 | |
| 0.609686 | 9.278433 | 5.567648 | 2.69E-06 | 3.69E-06 | 3.553224 | THOC7 | THO complex 7 | | ENSG00000163634 | |
| 0.608254 | 5.857201 | 9.498381 | 2.60E-11 | 1.23E-10 | 15.17914 | NHLRC1 | NHL repeat containing E3 ubiquitin protein ligase 1 | | ENSG00000187566 | |
| 0.60724 | 6.122025 | 4.834428 | 2.53E-05 | 3.02E-05 | 1.329358 | LOC105375913 | uncharacterized LOC105375913 | | NA | |
| 0.605637 | 7.493795 | 7.616726 | 5.44E-09 | 1.29E-08 | 9.777792 | ZNF234 | zinc finger protein 234 | | ENSG00000263002 | |
| 0.605552 | 6.391881 | 17.13894 | 8.10E-19 | 1.24E-16 | 32.70019 | KATNAL2 | katanin catalytic subunit A1 like 2 | | ENSG00000167216 | |
| 0.6055 | 8.258234 | 6.67398 | 9.14E-08 | 1.69E-07 | 6.937592 | TWNK | twinkle mtDNA helicase | | ENSG00000107815 | |
| 0.604709 | 8.742737 | 10.64807 | 1.24E-12 | 9.50E-12 | 18.26363 | SEC24B | SEC24 homolog B, COPII coat complex component | | ENSG00000138802 | |
| 0.604681 | 6.194773 | 14.96979 | 5.73E-17 | 4.40E-15 | 28.3863 | NPL | N-acetylneuraminate pyruvate lyase | | ENSG00000135838 | |
| 0.604266 | 6.758074 | 9.395442 | 3.44E-11 | 1.55E-10 | 14.89466 | RBMS2P1 | RNA binding motif single stranded interacting protein 2 pseudogene 1 | | NA | |
| 0.603464 | 7.597055 | 14.0829 | 3.73E-16 | 1.27E-14 | 26.48592 | TMEM165 | transmembrane protein 165 | | ENSG00000134851 | |
| 0.603147 | 6.769213 | 3.280156 | 0.00232 | 0.002342 | -3.07026 | RPL36AP49 | ribosomal protein L36a pseudogene 49 | | ENSG00000243779 | |
| 0.602537 | 7.419376 | 4.192029 | 0.000173 | 0.000188 | -0.56315 | H2BC10 | H2B clustered histone 10 | | ENSG00000278588 | |
| 0.602155 | 8.565079 | 7.198055 | 1.89E-08 | 3.83E-08 | 8.524848 | SLC25A6P2 | solute carrier family 25 member 6 pseudogene 2 | | NA | |
| 0.601781 | 5.944495 | 11.35739 | 2.06E-13 | 2.26E-12 | 20.08129 | TRANK1 | tetratricopeptide repeat and ankyrin repeat containing 1 | | ENSG00000168016 | |
| 0.601069 | 6.917819 | 11.1385 | 3.56E-13 | 3.64E-12 | 19.52729 | FLT3LG | fms related receptor tyrosine kinase 3 ligand | | ENSG00000090554 | |
| 0.599856 | 6.862003 | 5.68377 | 1.88E-06 | 2.65E-06 | 3.908442 | DEPDC1P1 | DEP domain containing 1 pseudogene 1 | | NA | |
| 0.599783 | 7.106063 | 9.283139 | 4.68E-11 | 1.83E-10 | 14.58277 | SIDT2 | SID1 transmembrane family member 2 | | ENSG00000149577 | |
| 0.599055 | 8.838372 | 5.925344 | 8.98E-07 | 1.34E-06 | 4.648364 | PGK1P2 | phosphoglycerate kinase 1, pseudogene 2 | | ENSG00000213290 | |
| 0.595386 | 7.916458 | 6.747433 | 7.32E-08 | 1.38E-07 | 7.161094 | CHMP4A | charged multivesicular body protein 4A | | ENSG00000254505 | |
| 0.595256 | 7.312156 | 5.057282 | 1.28E-05 | 1.56E-05 | 2.000376 | AKR1C1 | aldo-keto reductase family 1 member C1 | | ENSG00000187134 | |
| 0.595248 | 9.123778 | 5.175409 | 8.95E-06 | 1.12E-05 | 2.358127 | UBL5 | ubiquitin like 5 | | ENSG00000198258 | |
| 0.594881 | 9.963014 | 5.4995 | 3.32E-06 | 4.47E-06 | 3.344985 | SEC61A1 | SEC61 translocon subunit alpha 1 | | ENSG00000058262 | |
| 0.593644 | 10.25301 | 7.3824 | 1.09E-08 | 2.37E-08 | 9.0784 | VMP1 | vacuole membrane protein 1 | | ENSG00000062716 | |
| 0.59268 | 9.815004 | 4.053329 | 0.00026 | 0.000276 | -0.96068 | ATP5ME | ATP synthase membrane subunit e | | ENSG00000169020 | |
| 0.592242 | 6.30917 | 11.02586 | 4.73E-13 | 4.27E-12 | 19.2398 | LOC107986637 | uncharacterized LOC107986637 | | NA | |
| 0.591483 | 7.883578 | 6.813203 | 6.00E-08 | 1.15E-07 | 7.360961 | FADD | Fas associated via death domain | | ENSG00000168040 | |
| 0.591464 | 8.178542 | 9.502507 | 2.57E-11 | 1.23E-10 | 15.19051 | ETFB | electron transfer flavoprotein subunit beta | | ENSG00000105379 | |
| 0.590602 | 7.0162 | 7.7327 | 3.87E-09 | 9.50E-09 | 10.12204 | VPS13D | vacuolar protein sorting 13 homolog D | | ENSG00000048707 | |
| 0.59056 | 8.367022 | 6.13307 | 4.75E-07 | 7.48E-07 | 5.284817 | LAP3 | leucine aminopeptidase 3 | | ENSG00000002549 | |
| 0.589625 | 8.299233 | 4.890345 | 2.13E-05 | 2.57E-05 | 1.497187 | RRP12 | ribosomal RNA processing 12 homolog | | ENSG00000052749 | |
| 0.5892 | 6.621923 | 10.27565 | 3.26E-12 | 2.17E-11 | 17.2832 | HIF3A | hypoxia inducible factor 3 subunit alpha | | ENSG00000124440 | |
| 0.586822 | 5.938733 | 14.40063 | 1.89E-16 | 7.25E-15 | 27.17644 | PRKG1 | protein kinase cGMP-dependent 1 | | ENSG00000185532 | |
| 0.58626 | 8.557902 | 4.574756 | 5.54E-05 | 6.32E-05 | 0.555664 | MLLT1 | MLLT1 super elongation complex subunit | | ENSG00000130382 | |
| 0.585918 | 7.430287 | 6.838127 | 5.56E-08 | 1.08E-07 | 7.436637 | STAT2 | signal transducer and activator of transcription 2 | | ENSG00000170581 | |
| 0.585319 | 7.927813 | 4.203674 | 0.000167 | 0.000182 | -0.52956 | SNORD99 | small nucleolar RNA, C/D box 99 | | ENSG00000221539 | |
| 0.585237 | 8.921862 | 5.4108 | 4.35E-06 | 5.76E-06 | 3.074262 | PRELID1P6 | PRELID1 pseudogene 6 | | NA | |
| 0.585107 | 5.950203 | 3.685818 | 0.000751 | 0.000779 | -1.9885 | MIR4742 | microRNA 4742 | | ENSG00000266618 | |
| 0.584933 | 7.810865 | 6.180651 | 4.11E-07 | 6.54E-07 | 5.43054 | PLBD2 | phospholipase B domain containing 2 | | ENSG00000151176 | |
| 0.584147 | 6.604603 | 7.452495 | 8.84E-09 | 1.98E-08 | 9.28813 | UBE2CP5 | ubiquitin conjugating enzyme E2 C pseudogene 5 | | NA | |
| 0.583631 | 8.001725 | 8.741793 | 2.12E-10 | 6.76E-10 | 13.05727 | CISD3 | CDGSH iron sulfur domain 3 | | ENSG00000277972 | |
| 0.5835 | 7.73199 | 9.114418 | 7.46E-11 | 2.76E-10 | 14.11121 | VASP | vasodilator stimulated phosphoprotein | | ENSG00000125753 | |
| 0.583188 | 6.12445 | 11.04928 | 4.46E-13 | 4.15E-12 | 19.29971 | HPSE | heparanase | | ENSG00000173083 | |
| 0.582174 | 9.075588 | 5.358558 | 5.11E-06 | 6.67E-06 | 2.91501 | RPL13AP6 | ribosomal protein L13a pseudogene 6 | | ENSG00000234118 | |
| 0.581103 | 8.333736 | 7.395785 | 1.05E-08 | 2.29E-08 | 9.118483 | VIPAS39 | VPS33B interacting protein, apical-basolateral polarity regulator, spe-39 homolog | | ENSG00000151445 | |
| 0.581041 | 6.901074 | 8.006558 | 1.74E-09 | 4.64E-09 | 10.92964 | KIAA1671 | KIAA1671 | | ENSG00000197077 | |
| 0.580405 | 5.917356 | 5.03262 | 1.38E-05 | 1.67E-05 | 1.925851 | ASAP1-IT1 | ASAP1 intronic transcript 1 | | NA | |
|  |  |  |  |  |  |  |  | |  | |
| **Genes suppressed by irradiation in miR34a transfected cells, upregulated in SK-N-DZ cells vs SK-N-AS cells** | | | | | | | | **DZ vs AS w/o IR** | |
| logFC | AveExpr | t | P.Value | adj.P.Val | B | SYMBOL | GENENAME | | ENSEMBL | |
| -1.11335 | 9.91365 | -2.84891 | 0.007233 | 0.007233 | -4.14342 | SNAI1 | snail family transcriptional repressor 1 | | ENSG00000124216 | |
| -0.93087 | 8.164338 | -5.12688 | 1.04E-05 | 1.28E-05 | 2.210992 | MIR1304 | microRNA 1304 | | ENSG00000284458 | |
| -0.89804 | 9.303195 | -5.16798 | 9.15E-06 | 1.14E-05 | 2.335586 | FAM117B | family with sequence similarity 117 member B | | ENSG00000138439 | |
| -0.89376 | 8.037959 | -6.67618 | 9.08E-08 | 1.69E-07 | 6.944283 | CBSL | cystathionine beta-synthase like | | ENSG00000274276 | |
| -0.88438 | 5.841937 | -4.72753 | 3.50E-05 | 4.11E-05 | 1.009643 | RNU7-35P | RNA, U7 small nuclear 35 pseudogene | | ENSG00000252983 | |
| -0.84641 | 6.75297 | -5.75472 | 1.52E-06 | 2.15E-06 | 4.125651 | LOC107984275 | uncharacterized LOC107984275 | | NA | |
| -0.82671 | 7.412172 | -5.65175 | 2.08E-06 | 2.91E-06 | 3.810446 | ZNF117 | zinc finger protein 117 | | ENSG00000152926 | |
| -0.80695 | 7.89681 | -3.60344 | 0.000948 | 0.000967 | -2.21307 | PCNA-AS1 | PCNA antisense RNA 1 | | NA | |
| -0.80415 | 6.001878 | -7.77855 | 3.38E-09 | 8.44E-09 | 10.2578 | MIR145 | microRNA 145 | | ENSG00000276365 | |
| -0.77819 | 9.089279 | -7.30837 | 1.36E-08 | 2.83E-08 | 8.856445 | KLF7 | Kruppel like factor 7 | | ENSG00000118263 | |
| -0.77279 | 7.309614 | -9.23034 | 5.42E-11 | 2.08E-10 | 14.4356 | LOC107984875 | uncharacterized LOC107984875 | | ENSG00000235560 | |
| -0.76897 | 7.332717 | -6.56653 | 1.27E-07 | 2.33E-07 | 6.610142 | MIRLET7I | microRNA let-7i | | ENSG00000199179 | |
| -0.76569 | 7.392521 | -6.83502 | 5.62E-08 | 1.08E-07 | 7.427203 | SOD2-OT1 | SOD2 overlapping transcript 1 | | ENSG00000285427 | |
| -0.75043 | 7.793181 | -7.84182 | 2.81E-09 | 7.18E-09 | 10.44475 | ZBED3 | zinc finger BED-type containing 3 | | ENSG00000132846 | |
| -0.74614 | 6.861713 | -10.9026 | 6.46E-13 | 5.67E-12 | 18.92333 | ISL2 | ISL LIM homeobox 2 | | ENSG00000159556 | |
| -0.74079 | 7.734932 | -7.32393 | 1.30E-08 | 2.74E-08 | 8.90312 | THOC3 | THO complex 3 | | ENSG00000051596 | |
| -0.73612 | 7.379209 | -6.23147 | 3.52E-07 | 5.71E-07 | 5.586141 | MYZAP | myocardial zonula adherens protein | | ENSG00000263155 | |
| -0.73333 | 8.555303 | -9.36327 | 3.76E-11 | 1.61E-10 | 14.80548 | ZC4H2 | zinc finger C4H2-type containing | | ENSG00000126970 | |
| -0.73073 | 6.627329 | -10.2395 | 3.58E-12 | 2.29E-11 | 17.18706 | CXXC4 | CXXC finger protein 4 | | ENSG00000168772 | |
| -0.72697 | 11.02351 | -8.6094 | 3.08E-10 | 9.44E-10 | 12.67875 | PRDX2 | peroxiredoxin 2 | | ENSG00000167815 | |
| -0.72495 | 8.701854 | -7.89652 | 2.39E-09 | 6.17E-09 | 10.60607 | PDCL | phosducin like | | ENSG00000136940 | |
| -0.71563 | 7.383899 | -7.24446 | 1.64E-08 | 3.36E-08 | 8.664468 | KIAA1143 | KIAA1143 | | ENSG00000163807 | |
| -0.71497 | 6.127141 | -5.8171 | 1.25E-06 | 1.80E-06 | 4.316734 | B3GALT2 | beta-1,3-galactosyltransferase 2 | | ENSG00000162630 | |
| -0.71347 | 7.194609 | -7.47899 | 8.17E-09 | 1.86E-08 | 9.367293 | MAP1LC3B2 | microtubule associated protein 1 light chain 3 beta 2 | | ENSG00000258102 | |
| -0.70959 | 6.519419 | -4.12993 | 0.000208 | 0.000223 | -0.74173 | LOC107984430 | uncharacterized LOC107984430 | | NA | |
| -0.70956 | 7.047293 | -12.2484 | 2.38E-14 | 4.29E-13 | 22.27381 | TMEM130 | transmembrane protein 130 | | ENSG00000166448 | |
| -0.70335 | 6.21219 | -5.78057 | 1.40E-06 | 2.00E-06 | 4.204817 | ADAMTS19-AS1 | ADAMTS19 antisense RNA 1 | | ENSG00000249421 | |
| -0.69955 | 6.05658 | -4.59376 | 5.23E-05 | 5.99E-05 | 0.611936 | LOC105378802 | uncharacterized LOC105378802 | | NA | |
| -0.69847 | 8.17454 | -6.44604 | 1.83E-07 | 3.21E-07 | 6.242354 | POU2F1 | POU class 2 homeobox 1 | | ENSG00000143190 | |
| -0.69486 | 7.322039 | -7.61094 | 5.53E-09 | 1.30E-08 | 9.760573 | FAM168A | family with sequence similarity 168 member A | | ENSG00000054965 | |
| -0.68807 | 8.599557 | -5.32957 | 5.58E-06 | 7.23E-06 | 2.826718 | PCGF1 | polycomb group ring finger 1 | | ENSG00000115289 | |
| -0.68736 | 8.982884 | -11.2856 | 2.47E-13 | 2.61E-12 | 19.90037 | TMEM11 | transmembrane protein 11 | | ENSG00000178307 | |
| -0.6861 | 9.19835 | -7.32113 | 1.31E-08 | 2.75E-08 | 8.894718 | RBM12 | RNA binding motif protein 12 | | ENSG00000244462 | |
| -0.68584 | 8.229356 | -9.93314 | 8.06E-12 | 4.42E-11 | 16.36564 | MAPK1 | mitogen-activated protein kinase 1 | | ENSG00000100030 | |
| -0.68214 | 5.921065 | -6.46814 | 1.71E-07 | 3.03E-07 | 6.309875 | LOC107985172 | uncharacterized LOC107985172 | | NA | |
| -0.67893 | 9.495539 | -5.06203 | 1.27E-05 | 1.55E-05 | 2.014741 | PJA2 | praja ring finger ubiquitin ligase 2 | | ENSG00000198961 | |
| -0.67812 | 6.759879 | -13.9424 | 5.06E-16 | 1.55E-14 | 26.17698 | HSPA12A | heat shock protein family A (Hsp70) member 12A | | ENSG00000165868 | |
| -0.67391 | 8.07788 | -8.55503 | 3.59E-10 | 1.09E-09 | 12.52271 | PPIL2 | peptidylprolyl isomerase like 2 | | ENSG00000100023 | |
| -0.67354 | 7.316746 | -10.2539 | 3.45E-12 | 2.25E-11 | 17.22537 | ALOX12-AS1 | ALOX12 antisense RNA 1 | | ENSG00000215067 | |
| -0.67257 | 9.779483 | -4.45241 | 8.00E-05 | 8.93E-05 | 0.194881 | LOC732229 | AN1-type zinc finger protein 5 pseudogene | | ENSG00000269374 | |
| -0.67213 | 6.515722 | -10.3788 | 2.49E-12 | 1.70E-11 | 17.55646 | SIX4 | SIX homeobox 4 | | ENSG00000100625 | |
| -0.66969 | 6.396881 | -4.84629 | 2.44E-05 | 2.93E-05 | 1.364934 | NEUROD1 | neuronal differentiation 1 | | ENSG00000162992 | |
| -0.66867 | 8.717087 | -6.31729 | 2.71E-07 | 4.52E-07 | 5.84877 | BRIP1 | BRCA1 interacting protein C-terminal helicase 1 | | ENSG00000136492 | |
| -0.66851 | 7.775571 | -5.3873 | 4.68E-06 | 6.16E-06 | 3.002607 | SPOPL | speckle type BTB/POZ protein like | | ENSG00000144228 | |
| -0.66733 | 7.005684 | -8.4614 | 4.69E-10 | 1.41E-09 | 12.25315 | LOC152845 | PLAG1 like zinc finger 2 pseudogene | | ENSG00000214980 | |
| -0.66648 | 7.268443 | -4.59941 | 5.14E-05 | 5.92E-05 | 0.628666 | MIR3198-1 | microRNA 3198-1 | | ENSG00000264757 | |
| -0.66494 | 7.063196 | -4.24676 | 0.000147 | 0.000161 | -0.405 | RNU6-40P | RNA, U6 small nuclear 40, pseudogene | | ENSG00000206981 | |
| -0.66471 | 6.910995 | -8.62882 | 2.91E-10 | 9.03E-10 | 12.73441 | CHMP1B | charged multivesicular body protein 1B | | ENSG00000255112 | |
| -0.66368 | 9.244839 | -9.95818 | 7.54E-12 | 4.28E-11 | 16.43326 | ARID2 | AT-rich interaction domain 2 | | ENSG00000189079 | |
| -0.66332 | 7.252486 | -10.4694 | 1.96E-12 | 1.39E-11 | 17.79561 | E2F2 | E2F transcription factor 2 | | ENSG00000007968 | |
| -0.66241 | 7.50912 | -5.06631 | 1.25E-05 | 1.53E-05 | 2.02767 | PI4KAP2 | phosphatidylinositol 4-kinase alpha pseudogene 2 | | ENSG00000183506 | |
| -0.66218 | 5.92194 | -9.40288 | 3.37E-11 | 1.55E-10 | 14.91525 | FLJ30679 | uncharacterized protein FLJ30679 | | ENSG00000280278 | |
| -0.66199 | 7.002111 | -8.33646 | 6.70E-10 | 1.98E-09 | 11.8919 | ENHO | energy homeostasis associated | | ENSG00000168913 | |
| -0.66184 | 7.229855 | -8.85127 | 1.55E-10 | 5.19E-10 | 13.36867 | ZBTB26 | zinc finger and BTB domain containing 26 | | ENSG00000171448 | |
| -0.66085 | 8.170938 | -3.91723 | 0.000387 | 0.000408 | -1.34591 | OBI1 | ORC ubiquitin ligase 1 | | ENSG00000152193 | |
| -0.65975 | 7.978734 | -9.02663 | 9.52E-11 | 3.40E-10 | 13.86444 | FBXO31 | F-box protein 31 | | ENSG00000103264 | |
| -0.65648 | 6.695659 | -11.0652 | 4.28E-13 | 4.11E-12 | 19.34045 | GID4 | GID complex subunit 4 homolog | | ENSG00000141034 | |
| -0.65447 | 10.40305 | -7.04535 | 2.98E-08 | 5.98E-08 | 8.064284 | FADS1 | fatty acid desaturase 1 | | ENSG00000149485 | |
| -0.65172 | 7.188856 | -9.37474 | 3.64E-11 | 1.60E-10 | 14.83729 | GGT1 | gamma-glutamyltransferase 1 | | ENSG00000100031 | |
| -0.65071 | 6.836744 | -6.01629 | 6.80E-07 | 1.03E-06 | 4.927029 | LOC112268113 | 60S ribosomal protein L23a pseudogene | | NA | |
| -0.6502 | 6.300357 | -4.07579 | 0.000244 | 0.00026 | -0.89663 | PCDHGA9 | protocadherin gamma subfamily A, 9 | | ENSG00000261934 | |
| -0.64878 | 6.269046 | -9.75082 | 1.31E-11 | 6.90E-11 | 15.87103 | KCNB2 | potassium voltage-gated channel subfamily B member 2 | | ENSG00000182674 | |
| -0.64863 | 7.293175 | -10.5775 | 1.49E-12 | 1.09E-11 | 18.07929 | CDK5R1 | cyclin dependent kinase 5 regulatory subunit 1 | | ENSG00000176749 | |
| -0.64806 | 8.830583 | -9.55973 | 2.20E-11 | 1.09E-10 | 15.34803 | MTMR2 | myotubularin related protein 2 | | ENSG00000087053 | |
| -0.64621 | 6.238217 | -5.44501 | 3.92E-06 | 5.25E-06 | 3.178624 | RNF103-CHMP3 | RNF103-CHMP3 readthrough | | ENSG00000249884 | |
| -0.64574 | 6.425611 | -14.8085 | 8.01E-17 | 4.92E-15 | 28.04687 | CLMN | calmin | | ENSG00000165959 | |
| -0.64294 | 6.829695 | -12.2725 | 2.24E-14 | 4.29E-13 | 22.33168 | UNC13A | unc-13 homolog A | | ENSG00000130477 | |
| -0.64106 | 7.893251 | -7.56139 | 6.40E-09 | 1.47E-08 | 9.613067 | PIAS1 | protein inhibitor of activated STAT 1 | | ENSG00000033800 | |
| -0.64061 | 9.129142 | -6.79859 | 6.27E-08 | 1.20E-07 | 7.316578 | KIF2A | kinesin family member 2A | | ENSG00000068796 | |
| -0.63965 | 8.487768 | -5.15084 | 9.65E-06 | 1.19E-05 | 2.283609 | STARD4 | StAR related lipid transfer domain containing 4 | | ENSG00000164211 | |
| -0.63838 | 6.988559 | -9.1523 | 6.72E-11 | 2.52E-10 | 14.21741 | LOC284009 | uncharacterized LOC284009 | | NA | |
| -0.63645 | 6.473002 | -5.38447 | 4.72E-06 | 6.19E-06 | 2.993965 | LOC100418730 | T-box 20 pseudogene | | NA | |
| -0.63546 | 7.390408 | -7.26031 | 1.57E-08 | 3.23E-08 | 8.712093 | LOC730101 | uncharacterized LOC730101 | | ENSG00000216775 | |
| -0.6343 | 7.525366 | -9.2037 | 5.83E-11 | 2.21E-10 | 14.36118 | MTURN | maturin, neural progenitor differentiation regulator homolog | | ENSG00000180354 | |
| -0.633 | 5.903712 | -11.4391 | 1.68E-13 | 2.07E-12 | 20.28648 | DLX6-AS1 | DLX6 antisense RNA 1 | | NA | |
| -0.63198 | 7.832613 | -11.5459 | 1.29E-13 | 1.66E-12 | 20.55341 | ABLIM1 | actin binding LIM protein 1 | | ENSG00000099204 | |
| -0.63186 | 7.946243 | -5.20859 | 8.09E-06 | 1.02E-05 | 2.458841 | CKMT1A | creatine kinase, mitochondrial 1A | | ENSG00000223572 | |
| -0.6302 | 6.392534 | -10.7655 | 9.16E-13 | 7.21E-12 | 18.56897 | PTCHD1 | patched domain containing 1 | | ENSG00000165186 | |
| -0.62933 | 6.32133 | -3.08041 | 0.003963 | 0.003989 | -3.57826 | SNORD114-16 | small nucleolar RNA, C/D box 114-16 | | ENSG00000199914 | |
| -0.62802 | 7.621827 | -5.33217 | 5.54E-06 | 7.21E-06 | 2.834627 | RPL32P20 | ribosomal protein L32 pseudogene 20 | | ENSG00000243537 | |
| -0.62785 | 7.393261 | -7.66028 | 4.78E-09 | 1.17E-08 | 9.907229 | ZBTB10 | zinc finger and BTB domain containing 10 | | ENSG00000205189 | |
| -0.62753 | 6.890839 | -5.84453 | 1.15E-06 | 1.68E-06 | 4.400763 | PAQR7 | progestin and adipoQ receptor family member 7 | | ENSG00000182749 | |
| -0.62722 | 7.940487 | -6.50959 | 1.51E-07 | 2.72E-07 | 6.436426 | PM20D2 | peptidase M20 domain containing 2 | | ENSG00000146281 | |
| -0.62696 | 9.646511 | -11.3718 | 1.99E-13 | 2.26E-12 | 20.11766 | SEPTIN11 | septin 11 | | ENSG00000138758 | |
| -0.62665 | 7.609562 | -5.03457 | 1.38E-05 | 1.67E-05 | 1.93173 | DENND6A | DENN domain containing 6A | | ENSG00000174839 | |
| -0.62641 | 6.062997 | -6.67917 | 9.00E-08 | 1.68E-07 | 6.953407 | ANKRD49P3 | ANKRD49 pseudogene 3 | | NA | |
| -0.62639 | 9.251117 | -6.07872 | 5.61E-07 | 8.66E-07 | 5.118321 | SF3A1 | splicing factor 3a subunit 1 | | ENSG00000099995 | |
| -0.62591 | 8.801442 | -6.36616 | 2.33E-07 | 4.02E-07 | 5.998209 | KIF11 | kinesin family member 11 | | ENSG00000138160 | |
| -0.62503 | 8.160314 | -8.13434 | 1.20E-09 | 3.35E-09 | 11.30377 | DICER1 | dicer 1, ribonuclease III | | ENSG00000100697 | |
| -0.62477 | 6.919803 | -11.0944 | 3.98E-13 | 3.94E-12 | 19.41489 | TMEM178A | transmembrane protein 178A | | ENSG00000152154 | |
| -0.62473 | 9.067474 | -7.34434 | 1.22E-08 | 2.60E-08 | 8.964357 | LOC728533 | IST1 homolog | | NA | |
| -0.62377 | 7.220286 | -6.32448 | 2.65E-07 | 4.47E-07 | 5.870759 | C20orf96 | chromosome 20 open reading frame 96 | | ENSG00000196476 | |
| -0.62241 | 7.687757 | -3.56271 | 0.001063 | 0.001081 | -2.32324 | LOC105377773 | uncharacterized LOC105377773 | | NA | |
| -0.62192 | 6.552149 | -9.58093 | 2.08E-11 | 1.05E-10 | 15.40628 | ZNF682 | zinc finger protein 682 | | ENSG00000197124 | |
| -0.62123 | 6.239735 | -13.7928 | 7.02E-16 | 1.80E-14 | 25.84562 | LDB2 | LIM domain binding 2 | | ENSG00000169744 | |
| -0.62116 | 8.906817 | -5.64139 | 2.15E-06 | 2.98E-06 | 3.778745 | PRELID3B | PRELI domain containing 3B | | ENSG00000101166 | |
| -0.62112 | 9.12521 | -6.36309 | 2.35E-07 | 4.04E-07 | 5.988832 | CCDC88A | coiled-coil domain containing 88A | | ENSG00000115355 | |
| -0.62082 | 8.057301 | -6.0372 | 6.37E-07 | 9.74E-07 | 4.991099 | FAM171A2 | family with sequence similarity 171 member A2 | | ENSG00000161682 | |
| -0.62059 | 7.982629 | -9.35559 | 3.84E-11 | 1.61E-10 | 14.78417 | RSBN1L | round spermatid basic protein 1 like | | ENSG00000187257 | |
| -0.62044 | 7.106764 | -7.61595 | 5.45E-09 | 1.29E-08 | 9.775497 | LOC100506911 | chromosome 6 open reading frame 35 pseudogene | | ENSG00000257779 | |
| -0.6203 | 7.815775 | -10.4636 | 1.99E-12 | 1.39E-11 | 17.78034 | ANKRD28 | ankyrin repeat domain 28 | | ENSG00000206560 | |
| -0.62 | 8.410383 | -5.21568 | 7.91E-06 | 1.00E-05 | 2.480357 | TIA1 | TIA1 cytotoxic granule associated RNA binding protein | | ENSG00000116001 | |
| -0.61995 | 7.193606 | -4.7076 | 3.71E-05 | 4.33E-05 | 0.950243 | LOC107985352 | uncharacterized LOC107985352 | | NA | |
| -0.61975 | 6.40389 | -12.192 | 2.72E-14 | 4.63E-13 | 22.13793 | ADAMTSL1 | ADAMTS like 1 | | ENSG00000178031 | |
| -0.61942 | 5.705031 | -7.58532 | 5.97E-09 | 1.38E-08 | 9.68434 | ZNF90P1 | zinc finger protein 90 pseudogene 1 | | NA | |
| -0.61866 | 7.890963 | -6.31064 | 2.76E-07 | 4.58E-07 | 5.828405 | LRP12 | LDL receptor related protein 12 | | ENSG00000147650 | |
| -0.61826 | 10.04501 | -14.7046 | 9.95E-17 | 5.09E-15 | 27.82687 | NGRN | neugrin, neurite outgrowth associated | | ENSG00000182768 | |
| -0.61787 | 6.492575 | -9.3611 | 3.78E-11 | 1.61E-10 | 14.79945 | ZHX2 | zinc fingers and homeoboxes 2 | | ENSG00000178764 | |
| -0.61734 | 7.117204 | -11.7556 | 7.75E-14 | 1.13E-12 | 21.07361 | RNF165 | ring finger protein 165 | | ENSG00000141622 | |
| -0.61704 | 8.550573 | -6.32169 | 2.67E-07 | 4.48E-07 | 5.862218 | ALKBH5 | alkB homolog 5, RNA demethylase | | ENSG00000091542 | |
| -0.61551 | 8.931915 | -4.46294 | 7.75E-05 | 8.71E-05 | 0.225849 | SCAMP1 | secretory carrier membrane protein 1 | | ENSG00000085365 | |
| -0.61513 | 5.993898 | -3.68399 | 0.000755 | 0.00078 | -1.99351 | LOC101927268 | uncharacterized LOC101927268 | | NA | |
| -0.61499 | 5.463001 | -5.95659 | 8.16E-07 | 1.23E-06 | 4.744096 | LOC100419307 | ribosomal protein L5 pseudogene | | NA | |
| -0.61385 | 7.497803 | -4.13684 | 0.000204 | 0.00022 | -0.72188 | CCNE2 | cyclin E2 | | ENSG00000175305 | |
| -0.6133 | 8.137644 | -3.65481 | 0.00082 | 0.000842 | -2.07331 | SNORA50A | small nucleolar RNA, H/ACA box 50A | | ENSG00000281910 | |
| -0.61328 | 6.497941 | -9.74678 | 1.33E-11 | 6.90E-11 | 15.86003 | LINC02495 | long intergenic non-protein coding RNA 2495 | | NA | |
| -0.61316 | 7.785214 | -10.6099 | 1.37E-12 | 1.02E-11 | 18.16384 | EIF2AK3 | eukaryotic translation initiation factor 2 alpha kinase 3 | | ENSG00000172071 | |
| -0.61305 | 6.42456 | -4.79777 | 2.83E-05 | 3.36E-05 | 1.219549 | MIR5002 | microRNA 5002 | | ENSG00000266383 | |
| -0.61291 | 6.777849 | -9.28351 | 4.68E-11 | 1.83E-10 | 14.58381 | GFRA1 | GDNF family receptor alpha 1 | | ENSG00000151892 | |
| -0.60626 | 6.392034 | -10.8248 | 7.88E-13 | 6.72E-12 | 18.72249 | LOC284930 | uncharacterized LOC284930 | | ENSG00000224271 | |
| -0.60596 | 6.894114 | -8.2256 | 9.21E-10 | 2.64E-09 | 11.5699 | RAMP2 | receptor activity modifying protein 2 | | ENSG00000131477 | |
| -0.60572 | 6.374109 | -9.96054 | 7.49E-12 | 4.28E-11 | 16.43961 | SLC2A12 | solute carrier family 2 member 12 | | ENSG00000146411 | |
| -0.60495 | 9.772236 | -8.86723 | 1.49E-10 | 5.07E-10 | 13.41396 | TMPO | thymopoietin | | ENSG00000120802 | |
| -0.60493 | 5.793773 | -9.33557 | 4.06E-11 | 1.65E-10 | 14.72857 | MGAT4A | alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A | | ENSG00000071073 | |
| -0.60487 | 7.548651 | -6.3432 | 2.50E-07 | 4.24E-07 | 5.928013 | PI4K2B | phosphatidylinositol 4-kinase type 2 beta | | ENSG00000038210 | |
| -0.60465 | 7.799331 | -8.32659 | 6.89E-10 | 2.01E-09 | 11.86329 | LEMD3 | LEM domain containing 3 | | ENSG00000174106 | |
| -0.6043 | 5.871193 | -6.08453 | 5.51E-07 | 8.55E-07 | 5.136115 | LINC02728 | long intergenic non-protein coding RNA 2728 | | ENSG00000251323 | |
| -0.60329 | 9.452612 | -7.41213 | 9.97E-09 | 2.20E-08 | 9.167406 | EBP | EBP cholestenol delta-isomerase | | ENSG00000147155 | |
| -0.60309 | 6.142062 | -6.30546 | 2.81E-07 | 4.63E-07 | 5.812579 | LOC107985693 | uncharacterized LOC107985693 | | ENSG00000287918 | |
| -0.60279 | 8.030234 | -9.48853 | 2.67E-11 | 1.24E-10 | 15.15197 | CEBPG | CCAAT enhancer binding protein gamma | | ENSG00000153879 | |
| -0.60218 | 6.08953 | -16.8292 | 1.45E-18 | 1.48E-16 | 32.11142 | LPL | lipoprotein lipase | | ENSG00000175445 | |
| -0.60187 | 7.932756 | -4.2682 | 0.000138 | 0.000152 | -0.34289 | DUSP10 | dual specificity phosphatase 10 | | ENSG00000143507 | |
| -0.60116 | 8.651737 | -4.7702 | 3.07E-05 | 3.63E-05 | 1.137082 | CTDSPL2 | CTD small phosphatase like 2 | | ENSG00000137770 | |
| -0.60103 | 6.929472 | -4.12408 | 0.000212 | 0.000226 | -0.75848 | TAS2R31 | taste 2 receptor member 31 | | ENSG00000256436 | |
| -0.601 | 8.452748 | -5.90053 | 9.69E-07 | 1.43E-06 | 4.572336 | ZSWIM1 | zinc finger SWIM-type containing 1 | | ENSG00000168612 | |
| -0.60008 | 6.099113 | -4.13522 | 0.000205 | 0.000221 | -0.72655 | ARPC4-TTLL3 | ARPC4-TTLL3 readthrough | | ENSG00000250151 | |
| -0.5999 | 7.660737 | -7.02644 | 3.16E-08 | 6.29E-08 | 8.007109 | PEX1 | peroxisomal biogenesis factor 1 | | ENSG00000127980 | |
| -0.59899 | 8.382071 | -7.65512 | 4.86E-09 | 1.17E-08 | 9.891915 | GIT1 | GIT ArfGAP 1 | | ENSG00000108262 | |
| -0.59787 | 8.281754 | -8.86095 | 1.51E-10 | 5.10E-10 | 13.39615 | LRP6 | LDL receptor related protein 6 | | ENSG00000070018 | |
| -0.59639 | 7.975561 | -10.0954 | 5.24E-12 | 3.09E-11 | 16.80215 | KMT5B | lysine methyltransferase 5B | | ENSG00000110066 | |
| -0.59527 | 7.016187 | -6.35912 | 2.38E-07 | 4.06E-07 | 5.976692 | ZBTB8A | zinc finger and BTB domain containing 8A | | ENSG00000160062 | |
| -0.59483 | 5.874412 | -7.77942 | 3.37E-09 | 8.44E-09 | 10.26037 | LOC105372558 | uncharacterized LOC105372558 | | NA | |
| -0.59453 | 6.482217 | -5.44346 | 3.94E-06 | 5.26E-06 | 3.173892 | ADGRF5P1 | adhesion G protein-coupled receptor F5 pseudogene 1 | | ENSG00000227582 | |
| -0.59452 | 5.967492 | -13.8584 | 6.08E-16 | 1.70E-14 | 25.99137 | PPFIA2 | PTPRF interacting protein alpha 2 | | ENSG00000139220 | |
| -0.59445 | 6.242277 | -13.287 | 2.16E-15 | 5.10E-14 | 24.70667 | UNC79 | unc-79 homolog, NALCN channel complex subunit | | ENSG00000133958 | |
| -0.5934 | 6.971413 | -12.4741 | 1.40E-14 | 2.86E-13 | 22.81354 | PTGIS | prostaglandin I2 synthase | | ENSG00000124212 | |
| -0.59297 | 6.605191 | -3.61495 | 0.000918 | 0.000939 | -2.18183 | LOC105372284 | uncharacterized LOC105372284 | | NA | |
| -0.59267 | 7.791184 | -8.02125 | 1.66E-09 | 4.48E-09 | 10.97274 | RNF185 | ring finger protein 185 | | ENSG00000138942 | |
| -0.59245 | 7.813421 | -6.56395 | 1.28E-07 | 2.33E-07 | 6.602271 | CNN2P6 | calponin 2 pseudogene 6 | | ENSG00000213854 | |
| -0.59214 | 7.438518 | -10.2202 | 3.77E-12 | 2.36E-11 | 17.13561 | NUP50 | nucleoporin 50 | | ENSG00000093000 | |
| -0.59188 | 5.723 | -5.52652 | 3.05E-06 | 4.15E-06 | 3.42752 | RPSAP41 | ribosomal protein SA pseudogene 41 | | NA | |
| -0.59047 | 8.380051 | -8.91213 | 1.31E-10 | 4.52E-10 | 13.54118 | STMN3 | stathmin 3 | | ENSG00000197457 | |
| -0.5904 | 5.925869 | -8.79449 | 1.82E-10 | 5.89E-10 | 13.20733 | SMIM18 | small integral membrane protein 18 | | ENSG00000253457 | |
| -0.59036 | 5.981851 | -3.05144 | 0.004278 | 0.004292 | -3.65043 | LOC100420117 | methionyl aminopeptidase 1 pseudogene | | NA | |
| -0.59015 | 6.647536 | -9.58417 | 2.06E-11 | 1.05E-10 | 15.41518 | CFAP20DC | CFAP20 domain containing | | ENSG00000163689 | |
| -0.59014 | 7.85009 | -8.07912 | 1.41E-09 | 3.82E-09 | 11.14231 | RNF167 | ring finger protein 167 | | ENSG00000108523 | |
| -0.58915 | 8.399314 | -5.87926 | 1.03E-06 | 1.52E-06 | 4.507173 | SLC6A6 | solute carrier family 6 member 6 | | ENSG00000131389 | |
| -0.58904 | 8.167138 | -6.92224 | 4.32E-08 | 8.44E-08 | 7.691727 | CASD1 | CAS1 domain containing 1 | | ENSG00000127995 | |
| -0.58843 | 6.854805 | -13.1038 | 3.26E-15 | 7.16E-14 | 24.28696 | GRID1 | glutamate ionotropic receptor delta type subunit 1 | | ENSG00000182771 | |
| -0.58768 | 5.985673 | -7.60053 | 5.71E-09 | 1.33E-08 | 9.729621 | BRWD1-AS1 | BRWD1 antisense RNA 1 | | ENSG00000238141 | |
| -0.58719 | 7.111825 | -5.231 | 7.55E-06 | 9.62E-06 | 2.526902 | MID1IP1-AS1 | MID1IP1 antisense RNA 1 | | NA | |
| -0.58629 | 6.716175 | -7.91904 | 2.24E-09 | 5.90E-09 | 10.67238 | SGPP2 | sphingosine-1-phosphate phosphatase 2 | | ENSG00000163082 | |
| -0.58628 | 5.799918 | -5.26233 | 6.86E-06 | 8.77E-06 | 2.622108 | LOC105373156 | uncharacterized LOC105373156 | | NA | |
| -0.58612 | 6.378859 | -6.20837 | 3.78E-07 | 6.05E-07 | 5.515407 | CNTNAP4 | contactin associated protein family member 4 | | ENSG00000152910 | |
| -0.58585 | 8.545099 | -3.89208 | 0.000416 | 0.000436 | -1.41652 | PTBP2 | polypyrimidine tract binding protein 2 | | ENSG00000117569 | |
| -0.58583 | 8.467976 | -7.75841 | 3.59E-09 | 8.88E-09 | 10.1982 | RAB5A | RAB5A, member RAS oncogene family | | ENSG00000144566 | |
| -0.58436 | 6.920818 | -11.7007 | 8.86E-14 | 1.24E-12 | 20.93786 | METAP1D | methionyl aminopeptidase type 1D, mitochondrial | | ENSG00000172878 | |
| -0.58397 | 5.794662 | -7.64504 | 5.00E-09 | 1.20E-08 | 9.861965 | LOC101929759 | uncharacterized LOC101929759 | | ENSG00000246528 | |
| -0.58339 | 8.214958 | -6.27413 | 3.09E-07 | 5.07E-07 | 5.716714 | MGAT5 | alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase | | ENSG00000152127 | |
| -0.58317 | 6.406207 | -9.95124 | 7.68E-12 | 4.28E-11 | 16.41453 | LOC101930112 | uncharacterized LOC101930112 | | ENSG00000197912 | |
| -0.58256 | 9.233461 | -8.91461 | 1.30E-10 | 4.52E-10 | 13.54819 | MCM6 | minichromosome maintenance complex component 6 | | ENSG00000076003 | |
| -0.58255 | 7.684105 | -7.35711 | 1.17E-08 | 2.52E-08 | 9.002626 | IFNGR1 | interferon gamma receptor 1 | | ENSG00000027697 | |
| -0.58229 | 10.90956 | -8.73378 | 2.16E-10 | 6.85E-10 | 13.03442 | SNRPD3 | small nuclear ribonucleoprotein D3 polypeptide | | ENSG00000100028 | |
| -0.5817 | 7.598665 | -7.43846 | 9.22E-09 | 2.05E-08 | 9.246167 | MRPS25 | mitochondrial ribosomal protein S25 | | ENSG00000131368 | |
| -0.58166 | 5.922317 | -8.80134 | 1.79E-10 | 5.84E-10 | 13.22682 | LOC100422781 | uncharacterized LOC100422781 | | NA | |
| -0.58163 | 6.46188 | -11.4176 | 1.78E-13 | 2.10E-12 | 20.23268 | LOC100507006 | uncharacterized LOC100507006 | | NA | |
| -0.58066 | 6.96299 | -5.43447 | 4.05E-06 | 5.38E-06 | 3.146471 | NUS1 | NUS1 dehydrodolichyl diphosphate synthase subunit | | ENSG00000153989 | |
|  |  |  |  |  |  |  |  | |  | |
| **Genes induced by irradiation in miR34a transfected cells, upregulated in SK-N-AS cells vs SK-N-DZ cells** | | | | | | | | **AS vs DZ IR** | |
| logFC | AveExpr | t | P.Value | adj.P.Val | B | SYMBOL | GENENAME | | ENSEMBL | |
| 1.002435 | 8.847938 | 3.17896 | 0.003048 | 0.003074 | -3.32448 | TIPARP | TCDD inducible poly(ADP-ribose) polymerase | | ENSG00000163659 | |
| 0.978063 | 9.017032 | 10.2849 | 3.18E-12 | 2.59E-11 | 17.31241 | NFKBIA | NFKB inhibitor alpha | | ENSG00000100906 | |
| 0.875336 | 7.238964 | 5.477795 | 3.54E-06 | 4.77E-06 | 3.283923 | TRR-TCT5-1 | tRNA-Arg (anticodon TCT) 5-1 | | NA | |
| 0.846587 | 6.418877 | 10.06142 | 5.73E-12 | 4.17E-11 | 16.71575 | RAB32 | RAB32, member RAS oncogene family | | ENSG00000118508 | |
| 0.841892 | 7.98428 | 5.721368 | 1.68E-06 | 2.42E-06 | 4.028737 | MIR181B1 | microRNA 181b-1 | | ENSG00000207975 | |
| 0.821763 | 8.283857 | 9.020539 | 9.69E-11 | 4.51E-10 | 13.85212 | MYD88 | MYD88 innate immune signal transduction adaptor | | ENSG00000172936 | |
| 0.813185 | 7.873948 | 5.059507 | 1.27E-05 | 1.57E-05 | 2.012357 | MSC | musculin | | ENSG00000178860 | |
| 0.80854 | 7.262294 | 2.680965 | 0.011036 | 0.011036 | -4.53057 | OR2T3 | olfactory receptor family 2 subfamily T member 3 | | ENSG00000196539 | |
| 0.804935 | 5.820677 | 6.190014 | 3.99E-07 | 6.78E-07 | 5.464368 | LOC105370185 | uncharacterized LOC105370185 | | NA | |
| 0.786578 | 6.368901 | 5.081062 | 1.19E-05 | 1.49E-05 | 2.077547 | SNORA74D | small nucleolar RNA, H/ACA box 74D | | ENSG00000252213 | |
| 0.783564 | 8.899237 | 7.301736 | 1.38E-08 | 3.44E-08 | 8.841572 | TPP1 | tripeptidyl peptidase 1 | | ENSG00000166340 | |
| 0.780448 | 6.555399 | 7.640405 | 5.07E-09 | 1.39E-08 | 9.853188 | LOC105373836 | uncharacterized LOC105373836 | | NA | |
| 0.766741 | 6.678628 | 9.016482 | 9.80E-11 | 4.51E-10 | 13.84069 | IRF1 | interferon regulatory factor 1 | | ENSG00000125347 | |
| 0.764262 | 5.783874 | 6.491384 | 1.59E-07 | 2.93E-07 | 6.385971 | LOC729558 | uncharacterized LOC729558 | | ENSG00000249690 | |
| 0.757306 | 7.49546 | 5.529893 | 3.02E-06 | 4.13E-06 | 3.44305 | STOX2 | storkhead box 2 | | ENSG00000173320 | |
| 0.739974 | 7.259906 | 15.57649 | 1.67E-17 | 8.25E-16 | 29.64255 | USP18 | ubiquitin specific peptidase 18 | | ENSG00000184979 | |
| 0.72952 | 7.611519 | 5.44745 | 3.89E-06 | 5.22E-06 | 3.191298 | USP12PX | USP12 pseudogene X-linked | | NA | |
| 0.727279 | 7.52187 | 5.389931 | 4.64E-06 | 6.11E-06 | 3.015856 | LOC107984658 | uncharacterized LOC107984658 | | NA | |
| 0.72133 | 8.354314 | 7.399187 | 1.04E-08 | 2.71E-08 | 9.1337 | EFEMP2 | EGF containing fibulin extracellular matrix protein 2 | | ENSG00000172638 | |
| 0.717687 | 7.986463 | 5.021773 | 1.43E-05 | 1.75E-05 | 1.898351 | WASF4P | WASP family member 4, pseudogene | | NA | |
| 0.716785 | 5.726782 | 13.48116 | 1.40E-15 | 3.26E-14 | 25.15148 | CCL28 | C-C motif chemokine ligand 28 | | ENSG00000151882 | |
| 0.713184 | 8.484667 | 3.574368 | 0.001029 | 0.001056 | -2.28642 | RASA4DP | RAS p21 protein activator 4CD, pseudogene | | NA | |
| 0.707843 | 6.328663 | 4.099427 | 0.000228 | 0.000243 | -0.82376 | LOC105373206 | uncharacterized LOC105373206 | | NA | |
| 0.706541 | 5.804903 | 5.167749 | 9.16E-06 | 1.16E-05 | 2.340137 | RNU4-36P | RNA, U4 small nuclear 36, pseudogene | | ENSG00000201164 | |
| 0.703581 | 9.345988 | 3.578998 | 0.001016 | 0.001045 | -2.27391 | RELA | RELA proto-oncogene, NF-kB subunit | | ENSG00000173039 | |
| 0.703205 | 9.685144 | 5.820743 | 1.24E-06 | 1.84E-06 | 4.333073 | MBTPS2 | membrane bound transcription factor peptidase, site 2 | | ENSG00000012174 | |
| 0.700632 | 7.562114 | 9.619113 | 1.87E-11 | 1.07E-10 | 15.51581 | RCOR3 | REST corepressor 3 | | ENSG00000117625 | |
| 0.698266 | 8.837359 | 8.064274 | 1.47E-09 | 4.59E-09 | 11.10379 | CYSTM1 | cysteine rich transmembrane module containing 1 | | ENSG00000120306 | |
| 0.698072 | 6.687858 | 6.540372 | 1.37E-07 | 2.55E-07 | 6.535481 | LOC101927759 | uncharacterized LOC101927759 | | NA | |
| 0.692121 | 6.35544 | 19.72284 | 8.57E-21 | 3.00E-18 | 37.30126 | PLCD4 | phospholipase C delta 4 | | ENSG00000115556 | |
| 0.690585 | 7.02413 | 8.231975 | 9.05E-10 | 3.17E-09 | 11.59338 | FAM86C2P | family with sequence similarity 86, member A pseudogene | | ENSG00000160172 | |
| 0.689979 | 8.178099 | 5.208787 | 8.08E-06 | 1.04E-05 | 2.464676 | PODXL | podocalyxin like | | ENSG00000128567 | |
| 0.685353 | 6.49989 | 6.979615 | 3.63E-08 | 8.05E-08 | 7.870564 | MIR503 | microRNA 503 | | ENSG00000208005 | |
| 0.684895 | 7.07548 | 4.834463 | 2.53E-05 | 3.00E-05 | 1.334735 | SNORA70B | small nucleolar RNA, H/ACA box 70B | | ENSG00000206937 | |
| 0.682138 | 7.411443 | 9.747418 | 1.32E-11 | 8.16E-11 | 15.86649 | NAPRT | nicotinate phosphoribosyltransferase | | ENSG00000147813 | |
| 0.682062 | 9.805144 | 5.681125 | 1.90E-06 | 2.71E-06 | 3.905552 | ACTN4 | actinin alpha 4 | | ENSG00000130402 | |
| 0.676086 | 6.775029 | 5.981191 | 7.57E-07 | 1.20E-06 | 4.824669 | SNORA66 | small nucleolar RNA, H/ACA box 66 | | ENSG00000207523 | |
| 0.672885 | 6.923181 | 10.32778 | 2.84E-12 | 2.48E-11 | 17.42616 | OAF | out at first homolog | | ENSG00000184232 | |
| 0.671893 | 6.892555 | 8.10091 | 1.32E-09 | 4.20E-09 | 11.21101 | NKX3-1 | NK3 homeobox 1 | | ENSG00000167034 | |
| 0.671479 | 7.01131 | 10.56729 | 1.53E-12 | 1.40E-11 | 18.05708 | HYAL1 | hyaluronidase 1 | | ENSG00000114378 | |
| 0.671452 | 9.413457 | 6.909658 | 4.48E-08 | 9.69E-08 | 7.658697 | PPP1R15B | protein phosphatase 1 regulatory subunit 15B | | ENSG00000158615 | |
| 0.669725 | 7.792994 | 9.05945 | 8.69E-11 | 4.11E-10 | 13.96163 | NDUFA3 | NADH:ubiquinone oxidoreductase subunit A3 | | ENSG00000170906 | |
| 0.667669 | 7.911949 | 6.161398 | 4.36E-07 | 7.33E-07 | 5.37674 | HSF1 | heat shock transcription factor 1 | | ENSG00000185122 | |
| 0.66646 | 5.520225 | 3.692652 | 0.000737 | 0.000767 | -1.96442 | USP12PY | USP12 pseudogene Y-linked | | NA | |
| 0.663683 | 7.440032 | 9.693791 | 1.53E-11 | 9.08E-11 | 15.72018 | LRCH1 | leucine rich repeats and calponin homology domain containing 1 | | ENSG00000136141 | |
| 0.662714 | 6.069327 | 4.361734 | 0.000105 | 0.000115 | -0.06538 | RNU7-80P | RNA, U7 small nuclear 80 pseudogene | | ENSG00000238778 | |
| 0.657708 | 7.333918 | 7.832342 | 2.89E-09 | 8.15E-09 | 10.42175 | LOC442603 | ADP ribosylation factor 6 pseudogene | | NA | |
| 0.656989 | 6.641725 | 13.62937 | 1.01E-15 | 2.52E-14 | 25.48493 | UPP1 | uridine phosphorylase 1 | | ENSG00000183696 | |
| 0.654977 | 7.604498 | 15.5225 | 1.86E-17 | 8.25E-16 | 29.5326 | SEPTIN10 | septin 10 | | ENSG00000186522 | |
| 0.653889 | 10.14034 | 5.11565 | 1.07E-05 | 1.35E-05 | 2.182238 | PRKCSH | protein kinase C substrate 80K-H | | ENSG00000130175 | |
| 0.653618 | 6.934024 | 4.933173 | 1.87E-05 | 2.26E-05 | 1.631249 | MIR604 | microRNA 604 | | ENSG00000207612 | |
| 0.651531 | 7.313975 | 3.491558 | 0.001297 | 0.001323 | -2.5089 | ASAH2B | N-acylsphingosine amidohydrolase 2B | | ENSG00000204147 | |
| 0.650791 | 9.70651 | 6.613635 | 1.10E-07 | 2.11E-07 | 6.758883 | WDR1 | WD repeat domain 1 | | ENSG00000071127 | |
| 0.650217 | 7.652742 | 7.486288 | 8.00E-09 | 2.12E-08 | 9.39411 | B3GALT6 | beta-1,3-galactosyltransferase 6 | | ENSG00000176022 | |
| 0.649468 | 6.910353 | 4.632997 | 4.65E-05 | 5.30E-05 | 0.733592 | SNORA26 | small nucleolar RNA, H/ACA box 26 | | ENSG00000212588 | |
| 0.649342 | 11.4714 | 6.056164 | 6.01E-07 | 9.75E-07 | 5.054385 | RAB7A | RAB7A, member RAS oncogene family | | ENSG00000075785 | |
| 0.648385 | 6.690977 | 7.381994 | 1.09E-08 | 2.83E-08 | 9.082221 | DAND5 | DAN domain BMP antagonist family member 5 | | ENSG00000179284 | |
| 0.648032 | 6.336504 | 15.1594 | 3.88E-17 | 1.23E-15 | 28.78552 | PTGS1 | prostaglandin-endoperoxide synthase 1 | | ENSG00000095303 | |
| 0.64618 | 8.30616 | 8.284782 | 7.77E-10 | 2.80E-09 | 11.7469 | PIP4K2A | phosphatidylinositol-5-phosphate 4-kinase type 2 alpha | | ENSG00000150867 | |
| 0.645777 | 8.368637 | 9.757402 | 1.29E-11 | 8.16E-11 | 15.89369 | GLRX5 | glutaredoxin 5 | | ENSG00000182512 | |
| 0.645152 | 6.296783 | 10.80713 | 8.24E-13 | 8.74E-12 | 18.68143 | IKBKG | inhibitor of nuclear factor kappa B kinase regulatory subunit gamma | | ENSG00000269335 | |
| 0.644403 | 7.97694 | 7.015382 | 3.26E-08 | 7.41E-08 | 7.978759 | PEX11B | peroxisomal biogenesis factor 11 beta | | ENSG00000131779 | |
| 0.643967 | 7.191912 | 7.677004 | 4.55E-09 | 1.26E-08 | 9.961882 | THEM6 | thioesterase superfamily member 6 | | ENSG00000130193 | |
| 0.643264 | 8.467724 | 5.578851 | 2.60E-06 | 3.60E-06 | 3.592686 | WASF2 | WASP family member 2 | | ENSG00000158195 | |
| 0.642775 | 6.664284 | 4.247076 | 0.000147 | 0.00016 | -0.39879 | SERPINB2 | serpin family B member 2 | | ENSG00000197632 | |
| 0.639649 | 10.87264 | 4.704949 | 3.74E-05 | 4.34E-05 | 0.94761 | COX6A1 | cytochrome c oxidase subunit 6A1 | | ENSG00000111775 | |
| 0.639095 | 8.853304 | 4.836087 | 2.52E-05 | 3.00E-05 | 1.339602 | ATP5F1D | ATP synthase F1 subunit delta | | ENSG00000099624 | |
| 0.638596 | 8.008084 | 5.580529 | 2.59E-06 | 3.59E-06 | 3.597816 | LENG8 | leukocyte receptor cluster member 8 | | ENSG00000167615 | |
| 0.638583 | 7.12548 | 8.13662 | 1.19E-09 | 3.90E-09 | 11.31538 | COTL1 | coactosin like F-actin binding protein 1 | | ENSG00000103187 | |
| 0.637289 | 7.039886 | 5.727024 | 1.65E-06 | 2.39E-06 | 4.046054 | MTM1 | myotubularin 1 | | ENSG00000171100 | |
| 0.63495 | 9.391028 | 3.222314 | 0.002713 | 0.002744 | -3.21381 | NPIPB5 | nuclear pore complex interacting protein family member B5 | | ENSG00000243716 | |
| 0.633191 | 9.005162 | 8.583833 | 3.31E-10 | 1.35E-09 | 12.6103 | HPS3 | HPS3 biogenesis of lysosomal organelles complex 2 subunit 1 | | ENSG00000163755 | |
| 0.632549 | 8.658653 | 6.864866 | 5.13E-08 | 1.08E-07 | 7.522873 | DDX49 | DEAD-box helicase 49 | | ENSG00000105671 | |
| 0.629656 | 8.415237 | 4.771335 | 3.06E-05 | 3.58E-05 | 1.145753 | SELENON | selenoprotein N | | ENSG00000162430 | |
| 0.629324 | 9.753128 | 7.36805 | 1.14E-08 | 2.92E-08 | 9.04045 | CD302 | CD302 molecule | | ENSG00000241399 | |
| 0.627389 | 7.854637 | 8.331841 | 6.79E-10 | 2.49E-09 | 11.88344 | CYB5R1 | cytochrome b5 reductase 1 | | ENSG00000159348 | |
| 0.62659 | 8.93582 | 6.41617 | 2.00E-07 | 3.61E-07 | 6.156232 | COX6A1P2 | cytochrome c oxidase subunit 6A1 pseudogene 2 | | NA | |
| 0.625985 | 6.333624 | 7.171422 | 2.04E-08 | 4.86E-08 | 8.449704 | METTL7B | methyltransferase like 7B | | ENSG00000170439 | |
| 0.624679 | 6.821192 | 6.168191 | 4.27E-07 | 7.22E-07 | 5.397542 | LOC346329 | G protein subunit alpha 11 pseudogene | | NA | |
| 0.624253 | 8.412349 | 13.12129 | 3.14E-15 | 6.86E-14 | 24.3313 | TOR1AIP1 | torsin 1A interacting protein 1 | | ENSG00000143337 | |
| 0.621191 | 7.874098 | 8.427701 | 5.16E-10 | 1.96E-09 | 12.16081 | DGAT1 | diacylglycerol O-acyltransferase 1 | | ENSG00000185000 | |
| 0.621154 | 6.567174 | 10.54547 | 1.61E-12 | 1.45E-11 | 17.99991 | TFPI2 | tissue factor pathway inhibitor 2 | | ENSG00000105825 | |
| 0.620528 | 8.822346 | 5.945506 | 8.44E-07 | 1.31E-06 | 4.715325 | CDC42EP3 | CDC42 effector protein 3 | | ENSG00000163171 | |
| 0.618861 | 7.23988 | 8.154323 | 1.13E-09 | 3.77E-09 | 11.36706 | ASTN2 | astrotactin 2 | | ENSG00000148219 | |
| 0.618239 | 6.640286 | 7.333192 | 1.26E-08 | 3.20E-08 | 8.935953 | TAFA2 | TAFA chemokine like family member 2 | | ENSG00000198673 | |
| 0.617339 | 7.029846 | 7.19155 | 1.92E-08 | 4.64E-08 | 8.510318 | GAS6-AS1 | GAS6 antisense RNA 1 | | NA | |
| 0.616097 | 9.0597 | 8.875008 | 1.45E-10 | 6.53E-10 | 13.44086 | C11orf24 | chromosome 11 open reading frame 24 | | ENSG00000171067 | |
| 0.615468 | 8.672474 | 8.453855 | 4.79E-10 | 1.86E-09 | 12.2363 | SLC35B4 | solute carrier family 35 member B4 | | ENSG00000205060 | |
| 0.61518 | 7.510914 | 10.31898 | 2.91E-12 | 2.48E-11 | 17.40284 | ZNF551 | zinc finger protein 551 | | ENSG00000204519 | |
| 0.614938 | 6.829027 | 5.110546 | 1.09E-05 | 1.36E-05 | 2.166784 | SNHG26 | small nucleolar RNA host gene 26 | | ENSG00000228649 | |
| 0.614291 | 7.542944 | 7.201326 | 1.87E-08 | 4.54E-08 | 8.539747 | IVD | isovaleryl-CoA dehydrogenase | | ENSG00000128928 | |
| 0.61351 | 7.261269 | 11.27961 | 2.50E-13 | 3.24E-12 | 19.88963 | SHFL | shiftless antiviral inhibitor of ribosomal frameshifting | | ENSG00000130813 | |
| 0.611975 | 10.35155 | 5.632897 | 2.20E-06 | 3.10E-06 | 3.757978 | TRIM24 | tripartite motif containing 24 | | ENSG00000122779 | |
| 0.611377 | 8.570252 | 9.559572 | 2.20E-11 | 1.22E-10 | 15.35236 | SNHG12 | small nucleolar RNA host gene 12 | | ENSG00000197989 | |
| 0.610449 | 6.891916 | 7.505422 | 7.56E-09 | 2.03E-08 | 9.451224 | LGALS8 | galectin 8 | | ENSG00000116977 | |
| 0.610046 | 7.255556 | 9.648125 | 1.73E-11 | 1.01E-10 | 15.59529 | C1QTNF1 | C1q and TNF related 1 | | ENSG00000173918 | |
| 0.609993 | 6.932289 | 8.420776 | 5.26E-10 | 1.98E-09 | 12.14081 | NBDY | negative regulator of P-body association | | ENSG00000204272 | |
| 0.609356 | 7.671926 | 7.260039 | 1.57E-08 | 3.84E-08 | 8.716332 | RITA1 | RBPJ interacting and tubulin associated 1 | | ENSG00000139405 | |
| 0.609325 | 7.172216 | 11.051 | 4.44E-13 | 5.18E-12 | 19.30861 | NRG2 | neuregulin 2 | | ENSG00000158458 | |
| 0.609043 | 6.324723 | 3.5591 | 0.001074 | 0.001099 | -2.32763 | NPY4R2 | neuropeptide Y receptor Y4-2 | | ENSG00000264717 | |
| 0.608923 | 5.816306 | 5.42379 | 4.18E-06 | 5.57E-06 | 3.119109 | LOC642648 | uncharacterized LOC642648 | | NA | |
| 0.608805 | 8.202012 | 7.017975 | 3.24E-08 | 7.40E-08 | 7.986599 | RING1 | ring finger protein 1 | | ENSG00000204227 | |
| 0.608584 | 9.658124 | 6.625083 | 1.06E-07 | 2.05E-07 | 6.793769 | CDK9 | cyclin dependent kinase 9 | | ENSG00000136807 | |
| 0.607232 | 6.22463 | 5.593273 | 2.49E-06 | 3.48E-06 | 3.636783 | LOC107985417 | uncharacterized LOC107985417 | | NA | |
| 0.604322 | 7.762719 | 7.05607 | 2.89E-08 | 6.69E-08 | 8.101732 | MCOLN1 | mucolipin 1 | | ENSG00000090674 | |
| 0.60404 | 6.600169 | 8.177042 | 1.06E-09 | 3.57E-09 | 11.43334 | RPP25 | ribonuclease P and MRP subunit p25 | | ENSG00000178718 | |
| 0.603739 | 8.188652 | 8.849953 | 1.56E-10 | 6.91E-10 | 13.36979 | TUBGCP3 | tubulin gamma complex associated protein 3 | | ENSG00000126216 | |
| 0.603631 | 8.716082 | 6.889211 | 4.77E-08 | 1.01E-07 | 7.596709 | TRIO | trio Rho guanine nucleotide exchange factor | | ENSG00000038382 | |
| 0.602726 | 6.43991 | 2.907354 | 0.006226 | 0.006244 | -3.99791 | AGAP6 | ArfGAP with GTPase domain, ankyrin repeat and PH domain 6 | | ENSG00000204149 | |
| 0.602562 | 7.617111 | 7.025157 | 3.17E-08 | 7.29E-08 | 8.008315 | SNHG25 | small nucleolar RNA host gene 25 | | ENSG00000266402 | |
| 0.602479 | 9.122287 | 7.795567 | 3.22E-09 | 8.93E-09 | 10.3131 | ARF3 | ADP ribosylation factor 3 | | ENSG00000134287 | |
| 0.600738 | 7.247084 | 6.900303 | 4.61E-08 | 9.84E-08 | 7.630339 | KRT8P47 | keratin 8 pseudogene 47 | | ENSG00000271647 | |
| 0.599993 | 9.517707 | 6.127707 | 4.83E-07 | 8.01E-07 | 5.273553 | COPE | COPI coat complex subunit epsilon | | ENSG00000105669 | |
| 0.599564 | 8.421567 | 5.952818 | 8.26E-07 | 1.29E-06 | 4.737731 | MED15 | mediator complex subunit 15 | | ENSG00000099917 | |
| 0.599474 | 6.030754 | 5.50509 | 3.26E-06 | 4.42E-06 | 3.367276 | OR2M1P | olfactory receptor family 2 subfamily M member 1 pseudogene | | NA | |
| 0.599294 | 7.03578 | 6.679335 | 9.00E-08 | 1.77E-07 | 6.959006 | HSPB6 | heat shock protein family B (small) member 6 | | ENSG00000004776 | |
| 0.598462 | 6.237172 | 8.576216 | 3.38E-10 | 1.36E-09 | 12.58844 | LOC105378550 | uncharacterized LOC105378550 | | NA | |
| 0.598401 | 7.879249 | 6.85749 | 5.25E-08 | 1.10E-07 | 7.500494 | KIAA1109 | KIAA1109 | | ENSG00000138688 | |
| 0.597075 | 7.089985 | 7.489836 | 7.91E-09 | 2.11E-08 | 9.404702 | PTPN21 | protein tyrosine phosphatase non-receptor type 21 | | ENSG00000070778 | |
| 0.596509 | 8.580864 | 4.73323 | 3.44E-05 | 3.99E-05 | 1.031944 | GNA11 | G protein subunit alpha 11 | | ENSG00000088256 | |
| 0.596397 | 7.688023 | 7.839092 | 2.83E-09 | 8.05E-09 | 10.44168 | USP25 | ubiquitin specific peptidase 25 | | ENSG00000155313 | |
| 0.595878 | 11.4899 | 6.237627 | 3.45E-07 | 5.95E-07 | 5.610136 | FTH1P8 | ferritin heavy chain 1 pseudogene 8 | | NA | |
| 0.595858 | 6.552608 | 8.587036 | 3.28E-10 | 1.35E-09 | 12.61949 | MZF1-AS1 | MZF1 antisense RNA 1 | | ENSG00000267858 | |
| 0.594294 | 7.221392 | 6.070164 | 5.76E-07 | 9.38E-07 | 5.097278 | PHLDA2 | pleckstrin homology like domain family A member 2 | | ENSG00000181649 | |
| 0.59425 | 8.021193 | 4.830989 | 2.56E-05 | 3.02E-05 | 1.324322 | IMPDH1P4 | inosine monophosphate dehydrogenase 1 pseudogene 4 | | NA | |
| 0.593986 | 8.718911 | 7.130068 | 2.31E-08 | 5.43E-08 | 8.32507 | BAG2 | BAG cochaperone 2 | | ENSG00000112208 | |
| 0.59358 | 6.222617 | 3.678391 | 0.000767 | 0.000797 | -2.0035 | LOC105376358 | uncharacterized LOC105376358 | | NA | |
| 0.593247 | 7.609513 | 6.116515 | 5.00E-07 | 8.25E-07 | 5.239271 | ERF | ETS2 repressor factor | | ENSG00000105722 | |
| 0.592409 | 8.412581 | 6.597565 | 1.15E-07 | 2.19E-07 | 6.709904 | CHID1 | chitinase domain containing 1 | | ENSG00000177830 | |
| 0.591599 | 7.242319 | 8.818019 | 1.71E-10 | 7.47E-10 | 13.2791 | LAMB2 | laminin subunit beta 2 | | ENSG00000172037 | |
| 0.590849 | 7.020762 | 10.07439 | 5.53E-12 | 4.12E-11 | 16.75057 | SYNGR2 | synaptogyrin 2 | | ENSG00000108639 | |
| 0.590359 | 6.416455 | 10.92003 | 6.18E-13 | 6.76E-12 | 18.97274 | LINGO2 | leucine rich repeat and Ig domain containing 2 | | ENSG00000174482 | |
| 0.590077 | 6.332038 | 11.93584 | 5.01E-14 | 8.35E-13 | 21.52042 | MYO1E | myosin IE | | ENSG00000157483 | |
| 0.589772 | 9.267388 | 10.57284 | 1.50E-12 | 1.40E-11 | 18.07161 | AGFG1 | ArfGAP with FG repeats 1 | | ENSG00000173744 | |
| 0.589554 | 8.088448 | 7.077084 | 2.71E-08 | 6.32E-08 | 8.165198 | KDM5B | lysine demethylase 5B | | ENSG00000117139 | |
| 0.588715 | 7.482572 | 6.727942 | 7.76E-08 | 1.55E-07 | 7.10692 | FBXL18 | F-box and leucine rich repeat protein 18 | | ENSG00000155034 | |
| 0.588578 | 7.821221 | 6.67853 | 9.02E-08 | 1.77E-07 | 6.956556 | GRAMD1A | GRAM domain containing 1A | | ENSG00000089351 | |
| 0.588075 | 8.990343 | 4.703893 | 3.75E-05 | 4.34E-05 | 0.944461 | MDM4 | MDM4 regulator of p53 | | ENSG00000198625 | |
| 0.58764 | 7.409568 | 8.613202 | 3.04E-10 | 1.27E-09 | 12.69454 | GNG2 | G protein subunit gamma 2 | | ENSG00000186469 | |
| 0.587559 | 8.215525 | 5.643822 | 2.13E-06 | 3.01E-06 | 3.7914 | PUF60 | poly(U) binding splicing factor 60 | | ENSG00000179950 | |
| 0.586921 | 8.21094 | 6.669987 | 9.25E-08 | 1.81E-07 | 6.930547 | TIMM8A | translocase of inner mitochondrial membrane 8A | | ENSG00000126953 | |
| 0.586909 | 6.897356 | 6.731924 | 7.67E-08 | 1.54E-07 | 7.119033 | TIFA | TRAF interacting protein with forkhead associated domain | | ENSG00000145365 | |
| 0.586171 | 7.706789 | 5.311324 | 5.90E-06 | 7.74E-06 | 2.776401 | DGKD | diacylglycerol kinase delta | | ENSG00000077044 | |
| 0.586053 | 8.12492 | 8.150233 | 1.15E-09 | 3.78E-09 | 11.35513 | PCID2 | PCI domain containing 2 | | ENSG00000126226 | |
| 0.585506 | 6.931818 | 8.697871 | 2.39E-10 | 1.02E-09 | 12.9368 | ZIK1 | zinc finger protein interacting with K protein 1 | | ENSG00000171649 | |
| 0.585376 | 7.284385 | 5.543791 | 2.90E-06 | 3.99E-06 | 3.485517 | CENPB | centromere protein B | | ENSG00000125817 | |
| 0.585232 | 9.508676 | 8.011281 | 1.71E-09 | 5.17E-09 | 10.94846 | PRMT1 | protein arginine methyltransferase 1 | | ENSG00000126457 | |
| 0.585071 | 8.189875 | 8.406603 | 5.48E-10 | 2.04E-09 | 12.09986 | SLC50A1 | solute carrier family 50 member 1 | | ENSG00000169241 | |
| 0.583926 | 8.591744 | 9.746032 | 1.33E-11 | 8.16E-11 | 15.86272 | IFI27L2 | interferon alpha inducible protein 27 like 2 | | ENSG00000119632 | |
| 0.583917 | 6.472212 | 9.965427 | 7.39E-12 | 5.17E-11 | 16.45749 | TENT5C | terminal nucleotidyltransferase 5C | | ENSG00000183508 | |
| 0.583587 | 7.233418 | 6.572381 | 1.24E-07 | 2.35E-07 | 6.633119 | PGLS | 6-phosphogluconolactonase | | ENSG00000130313 | |
| 0.582943 | 6.602091 | 6.085238 | 5.50E-07 | 9.04E-07 | 5.143459 | KDM2B-DT | KDM2B divergent transcript | | NA | |
| 0.582937 | 7.925026 | 6.074017 | 5.69E-07 | 9.31E-07 | 5.109083 | TAB3 | TGF-beta activated kinase 1 (MAP3K7) binding protein 3 | | ENSG00000157625 | |
| 0.582833 | 9.763196 | 5.866139 | 1.08E-06 | 1.65E-06 | 4.472144 | ANKRD40 | ankyrin repeat domain 40 | | ENSG00000154945 | |
| 0.582744 | 7.348323 | 10.30366 | 3.03E-12 | 2.52E-11 | 17.36223 | STAMBPL1 | STAM binding protein like 1 | | ENSG00000138134 | |
| 0.58258 | 7.566727 | 6.980227 | 3.63E-08 | 8.05E-08 | 7.872418 | ROR1 | receptor tyrosine kinase like orphan receptor 1 | | ENSG00000185483 | |
| 0.582514 | 7.728519 | 5.892458 | 9.93E-07 | 1.54E-06 | 4.552783 | EOGT | EGF domain specific O-linked N-acetylglucosamine transferase | | ENSG00000163378 | |
| 0.581919 | 6.94333 | 9.21849 | 5.60E-11 | 2.92E-10 | 14.4073 | MID1 | midline 1 | | ENSG00000101871 | |
| 0.581251 | 6.261826 | 7.314202 | 1.33E-08 | 3.36E-08 | 8.878984 | GBP2 | guanylate binding protein 2 | | ENSG00000162645 | |
| 0.580934 | 7.427522 | 6.004146 | 7.05E-07 | 1.13E-06 | 4.895005 | ARNTL | aryl hydrocarbon receptor nuclear translocator like | | ENSG00000133794 | |
| 0.58038 | 7.976226 | 8.483097 | 4.40E-10 | 1.73E-09 | 12.32062 | PCNX1 | pecanex 1 | | ENSG00000100731 | |
|  |  |  |  |  |  |  |  | |  | |
| **Genes induced by irradiation in miR34a transfected cells, upregulated in SK-N-DZ cells vs SK-N-AS cells** | | | | | | | | **DZ vs AS IR** | |
| logFC | AveExpr | t | P.Value | adj.P.Val | B | SYMBOL | GENENAME | | ENSEMBL | |
| -0.99561 | 6.955804 | -9.19301 | 6.00E-11 | 3.05E-10 | 14.33612 | CKS1BP4 | CDC28 protein kinase regulatory subunit 1B pseudogene 4 | | NA | |
| -0.92118 | 10.27285 | -5.27309 | 6.64E-06 | 8.64E-06 | 2.660067 | H2AC6 | H2A clustered histone 6 | | ENSG00000180573 | |
| -0.86738 | 7.339374 | -8.18827 | 1.03E-09 | 3.49E-09 | 11.46609 | BTG2 | BTG anti-proliferation factor 2 | | ENSG00000159388 | |
| -0.83662 | 6.763645 | -5.0747 | 1.22E-05 | 1.51E-05 | 2.058288 | H3-2 | H3.2 histone (putative) | | ENSG00000273213 | |
| -0.80748 | 8.58272 | -4.42169 | 8.76E-05 | 9.74E-05 | 0.110039 | RPL22P10 | ribosomal protein L22 pseudogene 10 | | NA | |
| -0.79161 | 8.863351 | -6.15854 | 4.40E-07 | 7.36E-07 | 5.368 | TRIAP1 | TP53 regulated inhibitor of apoptosis 1 | | ENSG00000170855 | |
| -0.78764 | 7.447999 | -9.08815 | 8.03E-11 | 3.85E-10 | 14.04228 | ANKHD1 | ankyrin repeat and KH domain containing 1 | | ENSG00000131503 | |
| -0.77824 | 6.737019 | -7.27152 | 1.51E-08 | 3.73E-08 | 8.750821 | USP10P2 | ubiquitin specific peptidase10 pseudogene 2 | | NA | |
| -0.77764 | 7.214588 | -4.24677 | 0.000147 | 0.00016 | -0.39968 | HSPE1P2 | heat shock protein family E (Hsp10) member 1 pseudogene 2 | | NA | |
| -0.77216 | 6.973472 | -10.6908 | 1.11E-12 | 1.11E-11 | 18.37957 | ZBED6CL | ZBED6 C-terminal like | | ENSG00000188707 | |
| -0.76715 | 6.369533 | -6.43784 | 1.87E-07 | 3.40E-07 | 6.222449 | SGO1-AS1 | SGO1 antisense RNA 1 | | ENSG00000231304 | |
| -0.75523 | 9.620807 | -5.04965 | 1.31E-05 | 1.61E-05 | 1.982568 | HSD17B11 | hydroxysteroid 17-beta dehydrogenase 11 | | ENSG00000198189 | |
| -0.74084 | 12.02753 | -6.99515 | 3.47E-08 | 7.78E-08 | 7.917557 | RPL15P3 | ribosomal protein L15 pseudogene 3 | | ENSG00000212802 | |
| -0.73759 | 7.879002 | -5.83454 | 1.19E-06 | 1.77E-06 | 4.375329 | SMARCE1P1 | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 pseudogene 1 | | ENSG00000225215 | |
| -0.72525 | 7.032393 | -6.23989 | 3.43E-07 | 5.94E-07 | 5.617053 | RNU6-1104P | RNA, U6 small nuclear 1104, pseudogene | | ENSG00000207454 | |
| -0.71949 | 8.554444 | -5.72796 | 1.65E-06 | 2.39E-06 | 4.048935 | H3C2 | H3 clustered histone 2 | | ENSG00000286522 | |
| -0.71881 | 7.260973 | -6.22968 | 3.54E-07 | 6.04E-07 | 5.585818 | LOC150417 | small nuclear ribonucleoprotein polypeptide A' pseudogene | | NA | |
| -0.71661 | 11.6515 | -6.31996 | 2.68E-07 | 4.68E-07 | 5.862061 | H4C5 | H4 clustered histone 5 | | ENSG00000276966 | |
| -0.71491 | 5.955559 | -3.37349 | 0.001798 | 0.001829 | -2.82163 | GTF2IP8 | general transcription factor IIi pseudogene 8 | | NA | |
| -0.71173 | 7.484446 | -5.07476 | 1.22E-05 | 1.51E-05 | 2.058488 | RPL26P21 | ribosomal protein L26 pseudogene 21 | | NA | |
| -0.70982 | 6.657755 | -6.36117 | 2.37E-07 | 4.14E-07 | 5.988099 | LOC391247 | GINS complex subunit 2 (Psf2 homolog) pseudogene | | NA | |
| -0.70741 | 6.926067 | -7.96176 | 1.98E-09 | 5.87E-09 | 10.80303 | LOC112268301 | uncharacterized LOC112268301 | | NA | |
| -0.70626 | 6.793641 | -5.8639 | 1.08E-06 | 1.65E-06 | 4.465285 | RPL23AP71 | ribosomal protein L23a pseudogene 71 | | ENSG00000237450 | |
| -0.70502 | 7.779872 | -10.7901 | 8.60E-13 | 8.86E-12 | 18.63731 | ZNF79 | zinc finger protein 79 | | ENSG00000196152 | |
| -0.70088 | 7.63588 | -5.50361 | 3.27E-06 | 4.43E-06 | 3.362768 | PRDX3P2 | peroxiredoxin 3 pseudogene 2 | | NA | |
| -0.68509 | 8.359002 | -10.6199 | 1.33E-12 | 1.29E-11 | 18.19464 | SRSF8 | serine and arginine rich splicing factor 8 | | ENSG00000263465 | |
| -0.68402 | 7.258386 | -11.1389 | 3.56E-13 | 4.45E-12 | 19.53283 | EED | embryonic ectoderm development | | ENSG00000074266 | |
| -0.68382 | 7.225982 | -3.76057 | 0.000607 | 0.000634 | -1.7774 | RNY1P11 | RNY1 pseudogene 11 | | ENSG00000200629 | |
| -0.68167 | 7.370324 | -8.43398 | 5.07E-10 | 1.95E-09 | 12.17896 | RFLNB | refilin B | | ENSG00000183688 | |
| -0.68018 | 7.088394 | -5.97833 | 7.63E-07 | 1.20E-06 | 4.815915 | RPS12P4 | ribosomal protein S12 pseudogene 4 | | NA | |
| -0.67959 | 6.819598 | -6.55963 | 1.29E-07 | 2.43E-07 | 6.594242 | POLHP1 | DNA polymerase eta pseudogene 1 | | NA | |
| -0.67746 | 8.903262 | -6.61081 | 1.11E-07 | 2.12E-07 | 6.75026 | H2AC17 | H2A clustered histone 17 | | ENSG00000278677 | |
| -0.67397 | 8.965907 | -4.0088 | 0.000297 | 0.000315 | -1.08193 | RNU1-83P | RNA, U1 small nuclear 83, pseudogene | | ENSG00000200296 | |
| -0.67218 | 6.53014 | -6.36691 | 2.33E-07 | 4.09E-07 | 6.005662 | RPL23AP38 | ribosomal protein L23a pseudogene 38 | | NA | |
| -0.67181 | 7.336945 | -4.1893 | 0.000175 | 0.000188 | -0.56569 | H4C1 | H4 clustered histone 1 | | ENSG00000278637 | |
| -0.67148 | 6.626076 | -16.7731 | 1.61E-18 | 1.88E-16 | 32.00707 | NAAA | N-acylethanolamine acid amidase | | ENSG00000138744 | |
| -0.67143 | 7.39838 | -4.88371 | 2.18E-05 | 2.62E-05 | 1.482517 | NUP50P2 | nucleoporin 50 pseudogene 2 | | NA | |
| -0.67127 | 6.112283 | -4.26251 | 0.000141 | 0.000153 | -0.35407 | SNORD116-1 | small nucleolar RNA, C/D box 116-1 | | ENSG00000207063 | |
| -0.67046 | 7.372573 | -5.7695 | 1.45E-06 | 2.12E-06 | 4.176105 | EIF3LP2 | eukaryotic translation initiation factor 3 subunit L pseudogene 2 | | ENSG00000233837 | |
| -0.66964 | 9.283717 | -8.2695 | 8.12E-10 | 2.90E-09 | 11.70251 | SAMM50 | SAMM50 sorting and assembly machinery component | | ENSG00000100347 | |
| -0.66782 | 7.545462 | -8.18744 | 1.03E-09 | 3.49E-09 | 11.46368 | MSX2 | msh homeobox 2 | | ENSG00000120149 | |
| -0.6675 | 7.454038 | -5.83981 | 1.17E-06 | 1.76E-06 | 4.391489 | ARL6IP1P2 | ADP ribosylation factor like GTPase 6 interacting protein 1 pseudogene 2 | | NA | |
| -0.66564 | 8.138594 | -6.40816 | 2.05E-07 | 3.68E-07 | 6.131761 | NFYB | nuclear transcription factor Y subunit beta | | ENSG00000120837 | |
| -0.66534 | 6.728041 | -6.84548 | 5.44E-08 | 1.13E-07 | 7.464059 | LOC400553 | uncharacterized LOC400553 | | ENSG00000205037 | |
| -0.66149 | 8.366869 | -4.38995 | 9.63E-05 | 0.000107 | 0.017099 | FKBP3 | FKBP prolyl isomerase 3 | | ENSG00000100442 | |
| -0.66097 | 7.236049 | -4.37751 | 1.00E-04 | 0.00011 | -0.0193 | FUNDC2P1 | FUN14 domain containing 2 pseudogene 1 | | NA | |
| -0.66004 | 7.134537 | -7.9279 | 2.18E-09 | 6.41E-09 | 10.70343 | YWHAEP1 | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein epsilon pseudogene 1 | | NA | |
| -0.65941 | 7.303382 | -6.37155 | 2.29E-07 | 4.05E-07 | 6.019858 | PRDX2P1 | peroxiredoxin 2 pseudogene 1 | | NA | |
| -0.65665 | 7.543783 | -9.28168 | 4.70E-11 | 2.49E-10 | 14.58349 | TXNDC15 | thioredoxin domain containing 15 | | ENSG00000113621 | |
| -0.65644 | 6.877161 | -8.19266 | 1.01E-09 | 3.49E-09 | 11.47888 | TMPPE | transmembrane protein with metallophosphoesterase domain | | ENSG00000188167 | |
| -0.65414 | 7.865031 | -11.6204 | 1.08E-13 | 1.72E-12 | 20.7434 | SHMT1 | serine hydroxymethyltransferase 1 | | ENSG00000176974 | |
| -0.65361 | 6.571317 | -4.67745 | 4.07E-05 | 4.68E-05 | 0.865733 | LOC105374206 | uncharacterized LOC105374206 | | NA | |
| -0.65029 | 5.983145 | -7.00985 | 3.32E-08 | 7.49E-08 | 7.962031 | ZNF516-DT | ZNF516 divergent transcript | | ENSG00000275763 | |
| -0.64958 | 6.002204 | -6.23226 | 3.51E-07 | 6.02E-07 | 5.593721 | ARL6IP1P3 | ADP ribosylation factor like GTPase 6 interacting protein 1 pseudogene 3 | | NA | |
| -0.64883 | 6.955276 | -5.6724 | 1.95E-06 | 2.78E-06 | 3.878861 | RPL23AP19 | ribosomal protein L23a pseudogene 19 | | NA | |
| -0.64843 | 6.85576 | -4.66759 | 4.19E-05 | 4.81E-05 | 0.836374 | LOC100288241 | protein (peptidylprolyl cis/trans isomerase) NIMA-interacting, 4 (parvulin) pseudogene | | ENSG00000259622 | |
| -0.64777 | 7.277637 | -8.70259 | 2.36E-10 | 1.02E-09 | 12.95027 | PARD6G | par-6 family cell polarity regulator gamma | | ENSG00000178184 | |
| -0.64767 | 7.476692 | -5.84934 | 1.13E-06 | 1.72E-06 | 4.420673 | SPCS2 | signal peptidase complex subunit 2 | | ENSG00000118363 | |
| -0.64452 | 6.220906 | -4.80281 | 2.78E-05 | 3.27E-05 | 1.239922 | LINC01719 | long intergenic non-protein coding RNA 1719 | | NA | |
| -0.6443 | 6.887334 | -6.76241 | 7.00E-08 | 1.43E-07 | 7.21172 | LOC105374775 | uncharacterized LOC105374775 | | NA | |
| -0.64346 | 7.929374 | -4.62894 | 4.71E-05 | 5.35E-05 | 0.721557 | CSTF3 | cleavage stimulation factor subunit 3 | | ENSG00000176102 | |
| -0.64163 | 7.958906 | -9.85541 | 9.91E-12 | 6.55E-11 | 16.16002 | CFDP1 | craniofacial development protein 1 | | ENSG00000153774 | |
| -0.6416 | 8.351924 | -4.51484 | 6.63E-05 | 7.44E-05 | 0.383953 | ORC4 | origin recognition complex subunit 4 | | ENSG00000115947 | |
| -0.64149 | 11.14777 | -4.3638 | 0.000104 | 0.000115 | -0.05936 | H1-4 | H1.4 linker histone, cluster member | | ENSG00000168298 | |
| -0.64133 | 5.43759 | -9.14502 | 6.86E-11 | 3.38E-10 | 14.20182 | LINC01806 | long intergenic non-protein coding RNA 1806 | | ENSG00000227403 | |
| -0.64049 | 6.177576 | -5.68952 | 1.85E-06 | 2.66E-06 | 3.931253 | LOC128136 | 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble) pseudogene | | ENSG00000215805 | |
| -0.64043 | 6.687524 | -15.9785 | 7.49E-18 | 6.34E-16 | 30.45218 | TRAF3IP2-AS1 | TRAF3IP2 antisense RNA 1 | | ENSG00000231889 | |
| -0.63944 | 7.849759 | -5.54056 | 2.92E-06 | 4.01E-06 | 3.475643 | LOC644051 | isocitrate dehydrogenase (NADP(+)) 1, cytosolic pseudogene | | NA | |
| -0.63878 | 6.012632 | -9.15185 | 6.73E-11 | 3.36E-10 | 14.22096 | ASNSP1 | asparagine synthetase pseudogene 1 | | ENSG00000248498 | |
| -0.63752 | 7.589913 | -6.73297 | 7.65E-08 | 1.54E-07 | 7.122202 | POLH | DNA polymerase eta | | ENSG00000170734 | |
| -0.63674 | 6.224098 | -11.3501 | 2.10E-13 | 2.83E-12 | 20.06736 | CHCHD7 | coiled-coil-helix-coiled-coil-helix domain containing 7 | | ENSG00000170791 | |
| -0.63637 | 6.536229 | -10.2738 | 3.27E-12 | 2.60E-11 | 17.28287 | LINC01625 | long intergenic non-protein coding RNA 1625 | | ENSG00000238099 | |
| -0.63622 | 6.641904 | -6.83494 | 5.62E-08 | 1.16E-07 | 7.432068 | LOC101927551 | uncharacterized LOC101927551 | | ENSG00000230922 | |
| -0.63561 | 8.721283 | -4.99331 | 1.56E-05 | 1.90E-05 | 1.812461 | ACADM | acyl-CoA dehydrogenase medium chain | | ENSG00000117054 | |
| -0.63505 | 8.239329 | -4.61504 | 4.91E-05 | 5.56E-05 | 0.680304 | RPSAP54 | ribosomal protein SA pseudogene 54 | | ENSG00000213621 | |
| -0.63503 | 7.869671 | -8.32938 | 6.84E-10 | 2.49E-09 | 11.87632 | EEF1E1 | eukaryotic translation elongation factor 1 epsilon 1 | | ENSG00000124802 | |
| -0.63494 | 7.027902 | -6.02032 | 6.71E-07 | 1.08E-06 | 4.94456 | RPL23AP82 | ribosomal protein L23a pseudogene 82 | | NA | |
| -0.63487 | 7.372149 | -5.1423 | 9.90E-06 | 1.25E-05 | 2.262983 | ZNF675 | zinc finger protein 675 | | ENSG00000197372 | |
| -0.63422 | 10.2335 | -5.97868 | 7.63E-07 | 1.20E-06 | 4.81699 | H4C8 | H4 clustered histone 8 | | ENSG00000158406 | |
| -0.63414 | 8.458936 | -7.85428 | 2.71E-09 | 7.77E-09 | 10.48649 | SEC62 | SEC62 homolog, preprotein translocation factor | | ENSG00000008952 | |
| -0.63378 | 6.40033 | -6.93365 | 4.17E-08 | 9.18E-08 | 7.731393 | LOC105373868 | uncharacterized LOC105373868 | | NA | |
| -0.63255 | 6.722238 | -12.587 | 1.07E-14 | 1.97E-13 | 23.08542 | CMBL | carboxymethylenebutenolidase homolog | | ENSG00000164237 | |
| -0.6323 | 6.364558 | -5.81294 | 1.27E-06 | 1.88E-06 | 4.309185 | LOC105373174 | uncharacterized LOC105373174 | | ENSG00000287729 | |
| -0.6317 | 6.65994 | -6.69823 | 8.50E-08 | 1.69E-07 | 7.01652 | LOC100132249 | uncharacterized LOC100132249 | | ENSG00000279561 | |
| -0.62921 | 7.585209 | -9.10352 | 7.69E-11 | 3.74E-10 | 14.08545 | OIP5 | Opa interacting protein 5 | | ENSG00000104147 | |
| -0.62858 | 6.806717 | -5.88652 | 1.01E-06 | 1.55E-06 | 4.534589 | LOC105375521 | uncharacterized LOC105375521 | | NA | |
| -0.62647 | 9.681958 | -6.54423 | 1.36E-07 | 2.54E-07 | 6.547257 | AMD1 | adenosylmethionine decarboxylase 1 | | ENSG00000123505 | |
| -0.62595 | 8.084136 | -7.18233 | 1.98E-08 | 4.74E-08 | 8.482546 | DEPDC1B | DEP domain containing 1B | | ENSG00000035499 | |
| -0.62498 | 8.87635 | -9.72228 | 1.42E-11 | 8.55E-11 | 15.79794 | CCNB2 | cyclin B2 | | ENSG00000157456 | |
| -0.62479 | 6.297562 | -9.20762 | 5.77E-11 | 2.97E-10 | 14.37693 | EFCAB10 | EF-hand calcium binding domain 10 | | ENSG00000185055 | |
| -0.62461 | 6.922485 | -7.89994 | 2.37E-09 | 6.85E-09 | 10.62111 | NGLY1 | N-glycanase 1 | | ENSG00000151092 | |
| -0.62418 | 6.582371 | -7.31063 | 1.35E-08 | 3.37E-08 | 8.868278 | LOC107986411 | uncharacterized LOC107986411 | | NA | |
| -0.62401 | 6.593015 | -6.46698 | 1.71E-07 | 3.14E-07 | 6.311463 | LOC105372316 | uncharacterized LOC105372316 | | ENSG00000269043 | |
| -0.62378 | 9.481442 | -9.78473 | 1.20E-11 | 7.77E-11 | 15.96807 | CCNB1IP1 | cyclin B1 interacting protein 1 | | ENSG00000100814 | |
| -0.62338 | 7.585185 | -6.91258 | 4.44E-08 | 9.69E-08 | 7.66754 | RPL15P16 | ribosomal protein L15 pseudogene 16 | | ENSG00000234751 | |
| -0.62297 | 7.753611 | -5.78577 | 1.38E-06 | 2.03E-06 | 4.225961 | NUP50P1 | nucleoporin 50 pseudogene 1 | | NA | |
| -0.62267 | 6.804411 | -8.0119 | 1.71E-09 | 5.17E-09 | 10.95028 | PTGR1 | prostaglandin reductase 1 | | ENSG00000106853 | |
| -0.62202 | 8.260279 | -3.95689 | 0.000345 | 0.000364 | -1.22884 | UBE2V2 | ubiquitin conjugating enzyme E2 V2 | | ENSG00000169139 | |
| -0.62134 | 8.044478 | -4.76875 | 3.09E-05 | 3.60E-05 | 1.138017 | H4-16 | H4 histone 16 | | ENSG00000197837 | |
| -0.62102 | 8.294181 | -4.84738 | 2.43E-05 | 2.90E-05 | 1.373478 | ZC2HC1A | zinc finger C2HC-type containing 1A | | ENSG00000104427 | |
| -0.62058 | 7.51029 | -8.25021 | 8.58E-10 | 3.03E-09 | 11.64642 | KBTBD6 | kelch repeat and BTB domain containing 6 | | ENSG00000165572 | |
| -0.62041 | 7.36526 | -11.4397 | 1.68E-13 | 2.36E-12 | 20.29243 | C11orf80 | chromosome 11 open reading frame 80 | | ENSG00000173715 | |
| -0.62021 | 7.972584 | -4.14754 | 0.000198 | 0.000211 | -0.68586 | TMEM256 | transmembrane protein 256 | | ENSG00000205544 | |
| -0.62005 | 8.83144 | -5.12519 | 1.04E-05 | 1.31E-05 | 2.211132 | LOC100131859 | SAP domain containing ribonucleoprotein pseudogene | | NA | |
| -0.61959 | 5.572369 | -4.0119 | 0.000294 | 0.000313 | -1.07315 | LOC105379195 | uncharacterized LOC105379195 | | NA | |
| -0.61905 | 6.981765 | -3.97376 | 0.000328 | 0.000347 | -1.18117 | MIR644A | microRNA 644a | | ENSG00000207997 | |
| -0.61804 | 5.742275 | -6.14476 | 4.59E-07 | 7.64E-07 | 5.325788 | MIR5579 | microRNA 5579 | | ENSG00000266570 | |
| -0.61733 | 6.119395 | -4.94539 | 1.80E-05 | 2.19E-05 | 1.668024 | FAM66A | family with sequence similarity 66 member A | | NA | |
| -0.61642 | 6.314131 | -3.90476 | 0.000401 | 0.000422 | -1.37563 | HNRNPA1P63 | heterogeneous nuclear ribonucleoprotein A1 pseudogene 63 | | NA | |
| -0.61625 | 9.728829 | -11.4904 | 1.48E-13 | 2.16E-12 | 20.41942 | CLNS1A | chloride nucleotide-sensitive channel 1A | | ENSG00000074201 | |
| -0.61575 | 7.964622 | -8.12079 | 1.25E-09 | 4.00E-09 | 11.26914 | AKAP11 | A-kinase anchoring protein 11 | | ENSG00000023516 | |
| -0.61518 | 5.744317 | -5.17775 | 8.88E-06 | 1.13E-05 | 2.370489 | LOC105374144 | uncharacterized LOC105374144 | | NA | |
| -0.61445 | 6.99171 | -5.97446 | 7.73E-07 | 1.21E-06 | 4.804052 | BBS10 | Bardet-Biedl syndrome 10 | | ENSG00000179941 | |
| -0.61312 | 7.284043 | -5.39808 | 4.53E-06 | 5.98E-06 | 3.040713 | RPSAP29 | ribosomal protein SA pseudogene 29 | | ENSG00000244722 | |
| -0.61295 | 5.990593 | -9.56382 | 2.18E-11 | 1.22E-10 | 15.36404 | ZFPM2-AS1 | ZFPM2 antisense RNA 1 | | NA | |
| -0.61216 | 6.825418 | -4.80547 | 2.76E-05 | 3.25E-05 | 1.247865 | H3Y1 | H3.Y histone 1 | | ENSG00000269466 | |
| -0.61196 | 9.627452 | -9.94275 | 7.85E-12 | 5.39E-11 | 16.39631 | KIF20A | kinesin family member 20A | | ENSG00000112984 | |
| -0.61187 | 7.554348 | -5.19821 | 8.35E-06 | 1.07E-05 | 2.432559 | PARPBP | PARP1 binding protein | | ENSG00000185480 | |
| -0.61095 | 5.842717 | -13.0204 | 3.95E-15 | 8.13E-14 | 24.0986 | ZNF347 | zinc finger protein 347 | | ENSG00000197937 | |
| -0.61 | 8.20545 | -5.24727 | 7.18E-06 | 9.28E-06 | 2.581569 | APOO | apolipoprotein O | | ENSG00000184831 | |
| -0.60966 | 7.074329 | -9.31171 | 4.33E-11 | 2.33E-10 | 14.66706 | ZNF852 | zinc finger protein 852 | | ENSG00000178917 | |
| -0.60927 | 5.977623 | -15.1751 | 3.76E-17 | 1.23E-15 | 28.81809 | RNF217 | ring finger protein 217 | | ENSG00000146373 | |
| -0.60807 | 6.409077 | -11.9535 | 4.80E-14 | 8.35E-13 | 21.56348 | ZNF542P | zinc finger protein 542, pseudogene | | ENSG00000240225 | |
| -0.60707 | 8.19346 | -10.9772 | 5.35E-13 | 6.04E-12 | 19.11973 | OSBPL2 | oxysterol binding protein like 2 | | ENSG00000130703 | |
| -0.60645 | 8.255848 | -6.73225 | 7.66E-08 | 1.54E-07 | 7.12002 | DRG2 | developmentally regulated GTP binding protein 2 | | ENSG00000108591 | |
| -0.60503 | 6.540313 | -7.80823 | 3.10E-09 | 8.67E-09 | 10.35053 | H1-3 | H1.3 linker histone, cluster member | | ENSG00000124575 | |
| -0.60488 | 6.740022 | -5.26747 | 6.75E-06 | 8.75E-06 | 2.642986 | LOC100287951 | dynein light chain Tctex-type 1 pseudogene | | NA | |
| -0.60391 | 6.163812 | -5.24429 | 7.25E-06 | 9.33E-06 | 2.572512 | MIR5003 | microRNA 5003 | | ENSG00000265160 | |
| -0.60327 | 7.049709 | -6.38822 | 2.18E-07 | 3.87E-07 | 6.070797 | RPL23AP46 | ribosomal protein L23a pseudogene 46 | | NA | |
| -0.60325 | 5.801772 | -6.82816 | 5.73E-08 | 1.18E-07 | 7.411466 | LOC105372745 | uncharacterized LOC105372745 | | NA | |
| -0.60302 | 6.113279 | -12.862 | 5.67E-15 | 1.10E-13 | 23.73086 | LINC00472 | long intergenic non-protein coding RNA 472 | | ENSG00000233237 | |
| -0.60297 | 6.474814 | -5.64766 | 2.11E-06 | 2.98E-06 | 3.803145 | LOC100131849 | WASH complex subunit 3 pseudogene | | NA | |
| -0.60296 | 6.697026 | -5.58036 | 2.59E-06 | 3.59E-06 | 3.597294 | CCDC15 | coiled-coil domain containing 15 | | ENSG00000149548 | |
| -0.60293 | 8.276107 | -8.05394 | 1.51E-09 | 4.69E-09 | 11.07352 | CHRNA5 | cholinergic receptor nicotinic alpha 5 subunit | | ENSG00000169684 | |
| -0.60228 | 8.816176 | -7.62895 | 5.25E-09 | 1.42E-08 | 9.819146 | TARDBP | TAR DNA binding protein | | ENSG00000120948 | |
| -0.60169 | 6.253461 | -4.19569 | 0.000171 | 0.000185 | -0.54728 | FAM239B | zinc finger protein 839 pseudogene | | NA | |
| -0.6008 | 7.923028 | -6.64849 | 9.88E-08 | 1.92E-07 | 6.865077 | SMO | smoothened, frizzled class receptor | | ENSG00000128602 | |
| -0.5998 | 6.040109 | -8.12738 | 1.22E-09 | 3.96E-09 | 11.28838 | ZNF728 | zinc finger protein 728 | | ENSG00000269067 | |
| -0.59973 | 6.385821 | -13.644 | 9.74E-16 | 2.52E-14 | 25.51761 | THSD7A | thrombospondin type 1 domain containing 7A | | ENSG00000005108 | |
| -0.59925 | 6.597165 | -15.8819 | 9.06E-18 | 6.34E-16 | 30.25908 | GRB10 | growth factor receptor bound protein 10 | | ENSG00000106070 | |
| -0.59911 | 6.770068 | -5.51585 | 3.15E-06 | 4.30E-06 | 3.400134 | EMSLR | E2F1 mRNA stabilizing lncRNA | | NA | |
| -0.59855 | 6.537586 | -10.165 | 4.36E-12 | 3.32E-11 | 16.99307 | GATM | glycine amidinotransferase | | ENSG00000171766 | |
| -0.59844 | 7.570403 | -3.6611 | 0.000806 | 0.000832 | -2.05078 | RPS12 | ribosomal protein S12 | | ENSG00000112306 | |
| -0.59794 | 6.716121 | -14.5796 | 1.29E-16 | 3.77E-15 | 27.56452 | GABRQ | gamma-aminobutyric acid type A receptor subunit theta | | ENSG00000268089 | |
| -0.59734 | 7.805665 | -3.81453 | 0.00052 | 0.000545 | -1.62778 | ZFAND1 | zinc finger AN1-type containing 1 | | ENSG00000104231 | |
| -0.59723 | 7.228231 | -10.2007 | 3.97E-12 | 3.08E-11 | 17.0883 | METTL6 | methyltransferase like 6 | | ENSG00000206562 | |
| -0.59637 | 7.840212 | -6.44394 | 1.84E-07 | 3.35E-07 | 6.241091 | DYNLT2B | dynein light chain Tctex-type 2B | | ENSG00000213123 | |
| -0.59605 | 8.168022 | -6.90986 | 4.48E-08 | 9.69E-08 | 7.659312 | LCMT1 | leucine carboxyl methyltransferase 1 | | ENSG00000205629 | |
| -0.59534 | 8.591291 | -3.12838 | 0.003489 | 0.003509 | -3.45253 | SNORA2C | small nucleolar RNA, H/ACA box 2C | | ENSG00000221491 | |
| -0.59512 | 8.734108 | -6.9015 | 4.60E-08 | 9.84E-08 | 7.633968 | ADSL | adenylosuccinate lyase | | ENSG00000239900 | |
| -0.59423 | 6.276758 | -8.01546 | 1.69E-09 | 5.17E-09 | 10.96073 | ZNF596 | zinc finger protein 596 | | ENSG00000172748 | |
| -0.59409 | 8.18082 | -5.43186 | 4.08E-06 | 5.45E-06 | 3.143741 | HNRNPA1P5 | heterogeneous nuclear ribonucleoprotein A1 pseudogene 5 | | NA | |
| -0.59358 | 7.282993 | -3.67289 | 0.000779 | 0.000807 | -2.01855 | FAM27E4 | family with sequence similarity 27 member E4 | | NA | |
| -0.59328 | 5.820523 | -5.29788 | 6.15E-06 | 8.03E-06 | 2.735473 | MARK2P9 | microtubule affinity regulating kinase 2 pseudogene 9 | | NA | |
| -0.59311 | 7.844412 | -11.0668 | 4.26E-13 | 5.15E-12 | 19.34904 | EZH1 | enhancer of zeste 1 polycomb repressive complex 2 subunit | | ENSG00000108799 | |
| -0.59227 | 6.452884 | -4.96545 | 1.70E-05 | 2.06E-05 | 1.728458 | CETN3 | centrin 3 | | ENSG00000153140 | |
| -0.59116 | 5.893732 | -8.6392 | 2.83E-10 | 1.19E-09 | 12.76902 | FUT9 | fucosyltransferase 9 | | ENSG00000172461 | |
| -0.59014 | 6.94505 | -4.46815 | 7.63E-05 | 8.50E-05 | 0.246447 | HSPE1P4 | heat shock protein family E (Hsp10) member 1 pseudogene 4 | | NA | |
| -0.58952 | 6.289164 | -5.77182 | 1.44E-06 | 2.11E-06 | 4.183227 | EIF3LP3 | eukaryotic translation initiation factor 3 subunit L pseudogene 3 | | ENSG00000226086 | |
| -0.58939 | 8.390209 | -8.09641 | 1.34E-09 | 4.22E-09 | 11.19785 | BRCA1 | BRCA1 DNA repair associated | | ENSG00000012048 | |
| -0.58921 | 8.595868 | -4.49811 | 6.97E-05 | 7.80E-05 | 0.334637 | NDUFAF2 | NADH:ubiquinone oxidoreductase complex assembly factor 2 | | ENSG00000164182 | |
| -0.58824 | 7.451998 | -8.51091 | 4.07E-10 | 1.62E-09 | 12.40071 | DCP1B | decapping mRNA 1B | | ENSG00000151065 | |
| -0.58818 | 5.457894 | -4.22506 | 0.000157 | 0.00017 | -0.46247 | RNU5B-1 | RNA, U5B small nuclear 1 | | ENSG00000200156 | |
| -0.58761 | 7.596084 | -7.43951 | 9.19E-09 | 2.42E-08 | 9.254325 | SENP3 | SUMO specific peptidase 3 | | ENSG00000161956 | |
| -0.58691 | 9.126506 | -7.15794 | 2.13E-08 | 5.03E-08 | 8.409073 | CLASP1 | cytoplasmic linker associated protein 1 | | ENSG00000074054 | |
| -0.58628 | 6.476252 | -15.3725 | 2.51E-17 | 9.77E-16 | 29.22564 | MYO10 | myosin X | | ENSG00000145555 | |
| -0.58582 | 6.209874 | -17.7594 | 2.59E-19 | 4.53E-17 | 33.8574 | ZNF385D | zinc finger protein 385D | | ENSG00000151789 | |
| -0.58577 | 8.370937 | -4.28704 | 0.000131 | 0.000143 | -0.28289 | RPS15A | ribosomal protein S15a | | ENSG00000134419 | |
| -0.5856 | 11.1628 | -5.73479 | 1.61E-06 | 2.35E-06 | 4.069828 | ATP5F1C | ATP synthase F1 subunit gamma | | ENSG00000165629 | |
| -0.5856 | 6.269003 | -9.47637 | 2.76E-11 | 1.51E-10 | 15.12318 | GDPD1 | glycerophosphodiester phosphodiesterase domain containing 1 | | ENSG00000153982 | |
| -0.58543 | 6.855713 | -11.5789 | 1.19E-13 | 1.82E-12 | 20.6401 | ISLR2 | immunoglobulin superfamily containing leucine rich repeat 2 | | ENSG00000167178 | |
| -0.58532 | 9.077083 | -6.50241 | 1.54E-07 | 2.85E-07 | 6.419643 | LOC344382 | serine/threonine kinase receptor associated protein pseudogene | | NA | |
| -0.5848 | 7.032798 | -7.33575 | 1.25E-08 | 3.20E-08 | 8.943633 | GAPDHP21 | glyceraldehyde 3 phosphate dehydrogenase pseudogene 21 | | NA | |
| -0.58472 | 5.731067 | -4.55973 | 5.80E-05 | 6.54E-05 | 0.516515 | RPL26P19 | ribosomal protein L26 pseudogene 19 | | ENSG00000226221 | |
| -0.58389 | 5.969406 | -7.92598 | 2.20E-09 | 6.41E-09 | 10.69777 | LOC100101483 | glycerophosphocholine phosphodiesterase 1 pseudogene | | NA | |
| -0.58316 | 7.407274 | -7.99941 | 1.77E-09 | 5.30E-09 | 10.9136 | ZFP30 | ZFP30 zinc finger protein | | ENSG00000120784 | |
| -0.58274 | 7.770188 | -6.39583 | 2.13E-07 | 3.80E-07 | 6.094077 | SETP14 | SET pseudogene 14 | | NA | |
| -0.58257 | 8.44489 | -4.84843 | 2.42E-05 | 2.90E-05 | 1.376604 | PPWD1 | peptidylprolyl isomerase domain and WD repeat containing 1 | | ENSG00000113593 | |
| -0.58246 | 8.347919 | -6.01039 | 6.92E-07 | 1.11E-06 | 4.914133 | RPS12P22 | ribosomal protein S12 pseudogene 22 | | NA | |
| -0.58244 | 6.285201 | -15.515 | 1.88E-17 | 8.25E-16 | 29.5173 | AR | androgen receptor | | ENSG00000169083 | |
| -0.58242 | 10.04498 | -5.88668 | 1.01E-06 | 1.55E-06 | 4.535088 | TOP2A | DNA topoisomerase II alpha | | ENSG00000131747 | |
| -0.58208 | 8.07109 | -5.83592 | 1.18E-06 | 1.77E-06 | 4.379566 | LSM8 | LSM8 homolog, U6 small nuclear RNA associated | | ENSG00000128534 | |
| -0.58174 | 7.368183 | -5.40282 | 4.46E-06 | 5.91E-06 | 3.055159 | RPL32P31 | ribosomal protein L32 pseudogene 31 | | NA | |
| -0.58131 | 7.473164 | -4.52572 | 6.42E-05 | 7.22E-05 | 0.41603 | BRMS1L | BRMS1 like transcriptional repressor | | ENSG00000100916 | |
| -0.58129 | 7.960688 | -4.6349 | 4.62E-05 | 5.29E-05 | 0.739247 | SARNP | SAP domain containing ribonucleoprotein | | ENSG00000205323 | |
| -0.58051 | 7.246517 | -10.0547 | 5.83E-12 | 4.17E-11 | 16.69773 | GPC2 | glypican 2 | | ENSG00000213420 | |
| -0.58026 | 9.019518 | -8.98772 | 1.06E-10 | 4.82E-10 | 13.75961 | IST1 | IST1 factor associated with ESCRT-III | | ENSG00000182149 | |
| -0.58018 | 7.772915 | -9.92237 | 8.29E-12 | 5.58E-11 | 16.34124 | MPHOSPH8 | M-phase phosphoprotein 8 | | ENSG00000196199 | |
| -0.58003 | 7.448454 | -3.24208 | 0.002572 | 0.002609 | -3.16308 | LOC107984798 | uncharacterized LOC107984798 | | NA | |