

| Symbol | gene | A375_mRNA | G361_mRNA | SK_mRNA |
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| MT-ATP8 | ENSG00000228253.1 | 13.92251158 | 14.77337016 | 14.68029243 |
| MT-ND4 | ENSG00000198886.2 | 13.64030071 | 14.77978641 | 14.66620346 |
| MT-CO3 | ENSG00000198938.2 | 13.36157688 | 14.34546903 | 13.9883417 |
| MT-CO1 | ENSG00000198804.2 | 13.40109476 | 14.7538652 | 14.83718245 |
| MT-ND4L | ENSG00000212907.2 | 13.05150148 | 14.16314921 | 14.02586146 |
| MT-CO2 | ENSG00000198712.1 | 12.8756702 | 14.68929103 | 14.5597598 |
| MT-CYB | ENSG00000198727.2 | 12.78563941 | 13.90239919 | 13.72466718 |
| GAPDH | ENSG00000111640.14 | 13.28976743 | 12.64153542 | 12.53056835 |
| MT-RNR2 | ENSG00000210082.2 | 12.03486993 | 13.63527799 | 14.5017436 |
| MT-ND3 | ENSG00000198840.2 | 11.81814895 | 12.50844568 | 12.6967757 |
| MT-ND2 | ENSG00000198763.3 | 11.83534044 | 12.77284034 | 12.88136936 |
| MTATP6P1 | ENSG00000248527.1 | 11.73601345 | 12.5239128 | 12.52356697 |
| MT-ND5 | ENSG00000198786.2 | 11.65928566 | 13.02594189 | 13.10088694 |
| MT-ND1 | ENSG00000198888.2 | 11.56571368 | 13.51411975 | 12.70208823 |
| MT-ATP6 | ENSG00000198899.2 | 12.83000264 | 12.09514136 | 14.31586263 |
| ACTB | ENSG00000075624.13 | 11.16625324 | 11.33879621 | 11.1986671 |
| MT-RNR1 | ENSG00000211459.2 | 11.50907673 | 11.88056288 | 12.30504879 |
| HSPA8 | ENSG00000109971.13 | 10.82898997 | 10.8542048 | 10.921654 |
| ENO1 | ENSG00000074800.13 | 11.85247527 | 10.72642626 | 10.59687072 |
| HSP90AB1 | ENSG00000096384.19 | 11.32348982 | 10.9927171 | 10.81576194 |
| EEF1A1 | ENSG00000156508.17 | 11.97236039 | 10.87843143 | 10.92119249 |
| RPS27 | ENSG00000177954.11 | 11.87722357 | 11.01467053 | 10.38806561 |
| RPS2 | ENSG00000140988.15 | 11.86698124 | 10.78413007 | 10.78528259 |
| PPIA | ENSG00000196262.13 | 11.07042358 | 11.1044663 | 10.14401648 |
| EEF2 | ENSG00000167658.15 | 11.7644013 | 11.10776734 | 11.18432984 |
| YBX1 | ENSG00000065978.18 | 11.17971161 | 10.51274392 | 10.11681148 |
| RPS18 | ENSG00000231500.6 | 11.1532339 | 10.73557046 | 10.59048496 |
| RPL19 | ENSG00000108298.9 | 11.22471862 | 10.78568652 | 11.06304749 |
| RPL11 | ENSG00000142676.12 | 11.21680994 | 10.72490453 | 9.916027439 |
| RPL12 | ENSG00000197958.12 | 11.61469338 | 11.3027295 | 9.935055086 |
| NPM1 | ENSG00000181163.13 | 11.38380799 | 10.15560184 | 10.64827725 |
| CD63 | ENSG00000135404.11 | 9.818956002 | 11.26126433 | 10.96161047 |
| RPS11 | ENSG00000142534.6 | 11.25589867 | 11.12644675 | 10.04303286 |
| FTH1 | ENSG00000167996.15 | 10.09422013 | 10.51502099 | 10.6201496 |
| RPS7 | ENSG00000171863.12 | 10.95236677 | 10.49730939 | 9.727376227 |
| RPL24 | ENSG00000114391.12 | 10.86438064 | 10.04157 | 9.879165035 |
| ALDOA | ENSG00000149925.17 | 9.971969671 | 10.06643207 | 10.3650383 |
| RPSA | ENSG00000168028.13 | 11.36906814 | 10.16591132 | 9.609188957 |
| PKM | ENSG00000067225.17 | 10.81460118 | 10.02685507 | 10.21603228 |
| RPL27 | ENSG00000131469.12 | 11.1934874 | 10.63085749 | 10.33926585 |
| VIM | ENSG00000026025.15 | 11.73217951 | 10.5043816 | 10.61098467 |
| RPL13A | ENSG00000142541.16 | 11.39172392 | 10.83468365 | 10.21761922 |
| RPLP1 | ENSG00000137818.11 | 10.54723312 | 9.92156024 | 10.1487224 |
| RPL7 | ENSG00000147604.13 | 10.59762166 | 9.842685609 | 9.830352993 |
| PSAP | ENSG00000197746.13 | 9.629883655 | 11.07435389 | 11.18678115 |

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| RPS8 | ENSG00000142937.11 | 10.87477244 | 9.721728701 | 9.654363141 |
| RPL21 | ENSG00000122026.10 | 10.82907937 | 9.825599035 | 9.487229122 |
| LDHB | ENSG00000111716.12 | 10.67183874 | 10.44737256 | 10.75219479 |
| TMSB10 | ENSG00000034510.5 | 10.82827279 | 10.96968606 | 9.450726239 |
| RPL30 | ENSG00000156482.10 | 10.51631076 | 9.682617954 | 9.549519895 |
| RPLP0 | ENSG00000089157.15 | 10.77742832 | 9.631838822 | 10.62170945 |
| RPS10 | ENSG00000124614.13 | 10.45136445 | 10.28545584 | 9.702088761 |
| RPL8 | ENSG00000161016.17 | 10.72924924 | 9.751230589 | 9.382567031 |
| RPS21 | ENSG00000171858.17 | 10.80115152 | 9.49380503 | 9.633983147 |
| RPL3 | ENSG00000100316.15 | 11.13728139 | 10.30391143 | 10.44811788 |
| FTL | ENSG00000087086.14 | 10.67658611 | 11.49416123 | 9.719934756 |
| P4HB | ENSG00000185624.14 | 9.410978292 | 10.15269195 | 9.495040248 |
| RPL41 | ENSG00000229117.8 | 11.36491314 | 10.45250602 | 9.353400682 |
| RPS24 | ENSG00000138326.18 | 11.50419013 | 10.02834286 | 9.934362751 |
| HSPD1 | ENSG00000144381.16 | 9.723710524 | 9.664296286 | 9.378857861 |
| RPL5 | ENSG00000122406.12 | 10.15192892 | 9.730489786 | 9.528399244 |
| RPL35A | ENSG00000182899.14 | 10.03026317 | 10.09567819 | 9.398467383 |
| RPL39 | ENSG00000198918.7 | 11.11773516 | 10.29107791 | 10.17648881 |
| TUBB | ENSG00000196230.12 | 10.6959577 | 10.391306 | 9.183364057 |
| NCL | ENSG00000115053.15 | 9.727681349 | 9.780464285 | 9.195613464 |
| RPS4X | ENSG00000198034.10 | 10.83176457 | 9.778472365 | 9.646041039 |
| RPS16 | ENSG00000105193.8 | 10.7696849 | 10.81561267 | 9.450886698 |
| RPL4 | ENSG00000174444.14 | 10.26920369 | 10.12124092 | 10.21828077 |
| RPL7A | ENSG00000148303.16 | 11.19128327 | 10.8422018 | 9.169918316 |
| CANX | ENSG00000127022.14 | 9.163433394 | 9.148271785 | 9.49245524 |
| HNRNPA2B1 | ENSG00000122566.20 | 11.11573594 | 9.370934534 | 9.065649263 |
| PFN1 | ENSG00000108518.7 | 10.81370419 | 9.071675771 | 9.101790229 |
| YWHAZ | ENSG00000164924.17 | 10.38318639 | 10.44815598 | 9.924319449 |
| RPS6 | ENSG00000137154.12 | 11.59134424 | 9.452052694 | 9.26242206 |
| RPL10 | ENSG00000147403.16 | 10.57863415 | 9.653020498 | 9.717342748 |
| ACTG1 | ENSG00000184009.9 | 9.318399977 | 10.21253566 | 10.5792654 |
| PSMA7 | ENSG00000101182.14 | 9.69114864 | 9.33474595 | 9.587927636 |
| GNAS | ENSG00000087460.24 | 10.91287955 | 9.23102489 | 10.08814668 |
| RPL6 | ENSG00000089009.15 | 11.21505649 | 10.00583789 | 9.032919058 |
| RPLP2 | ENSG00000177600.8 | 9.802621923 | 9.649757945 | 9.139624838 |
| RPL9 | ENSG00000163682.15 | 10.5940503 | 9.356704867 | 10.96606695 |
| PABPC1 | ENSG00000070756.15 | 10.13677197 | 9.464588929 | 9.10928206 |
| RPS12 | ENSG00000112306.7 | 10.65638275 | 9.607471791 | 9.20947591 |
| RPS13 | ENSG00000110700.6 | 9.910860611 | 9.558214867 | 9.233247683 |
| RPS20 | ENSG00000008988.9 | 10.33380007 | 9.586817063 | 8.914868392 |
| TPI1 | ENSG00000111669.14 | 10.3877839 | 9.700695478 | 9.0363696 |
| COX8A | ENSG00000176340.3 | 9.487581902 | 8.858644764 | 9.706589584 |
| CFL1 | ENSG00000172757.12 | 10.3529984 | 9.118730196 | 9.657528218 |
| CHCHD2 | ENSG00000106153.12 | 9.715952415 | 9.723512883 | 9.421065855 |
| RPS27A | ENSG00000143947.13 | 10.55764695 | 10.06097421 | 8.852782233 |
| RPL35 | ENSG00000136942.14 | 11.08411741 | 10.94440212 | 8.83929032 |

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| RPL18A | ENSG00000105640.12 | 10.69984062 | 10.15839416 | 8.927847813 |
| RPS17 | ENSG00000182774.10 | 10.21835836 | 9.446576146 | 9.083785799 |
| RPS9 | ENSG00000170889.13 | 10.1607614 | 8.911445791 | 9.026541301 |
| ATP1A1 | ENSG00000163399.15 | 10.15167311 | 10.36494199 | 10.36857847 |
| ATP5B | ENSG00000110955.8 | 9.877859182 | 9.32564791 | 10.18142546 |
| RPL23A | ENSG00000198242.13 | 10.26366174 | 9.351588329 | 9.690884839 |
| RPL10A | ENSG00000198755.10 | 10.39751344 | 9.48688416 | 9.330781028 |
| RPL26 | ENSG00000161970.12 | 10.31164898 | 8.932835873 | 9.111897387 |
| CALR | ENSG00000179218.13 | 10.50270148 | 9.841008937 | 8.749371538 |
| RPS3A | ENSG00000145425.9 | 10.00908968 | 8.982580332 | 9.470142331 |
| SLC25A5 | ENSG00000005022.5 | 10.00382094 | 9.149645744 | 9.323637489 |
| UQCRH | ENSG00000173660.11 | 9.943997645 | 8.665979284 | 8.947590259 |
| BTF3 | ENSG00000145741.15 | 10.37297924 | 8.653878605 | 9.224818155 |
| S100A11 | ENSG00000163191.5 | 9.674839205 | 10.02193845 | 8.649316468 |
| ANXA5 | ENSG00000164111.14 | 8.823944091 | 9.518424262 | 8.669060199 |
| RPS29 | ENSG00000213741.9 | 9.952154567 | 8.996029787 | 8.782367068 |
| EEF1G | ENSG00000254772.9 | 10.87301667 | 9.620146937 | 10.27972604 |
| RPL15 | ENSG00000174748.18 | 9.895334013 | 9.063204443 | 9.022745793 |
| DDX5 | ENSG00000108654.13 | 8.932362821 | 8.991233897 | 9.083381942 |
| SPARC | ENSG00000113140.10 | 10.85301267 | 9.101276063 | 8.585059466 |
| RPS25 | ENSG00000118181.10 | 10.54083538 | 8.564557237 | 9.425625454 |
| PDIA6 | ENSG00000143870.12 | 8.807157395 | 8.849060774 | 8.588851023 |
| NME2 | ENSG00000243678.11 | 9.422038236 | 9.135498213 | 8.818874821 |
| RPS5 | ENSG00000083845.8 | 10.19742994 | 8.815923015 | 9.028365835 |
| RPN2 | ENSG00000118705.16 | 8.87415587 | 8.589491575 | 8.901888805 |
| EIF4G2 | ENSG00000110321.16 | 8.913747576 | 9.209284878 | 8.86928763 |
| UBB | ENSG00000170315.13 | 8.860313792 | 8.787018091 | 8.773556732 |
| OAZ1 | ENSG00000104904.12 | 8.507276503 | 9.423687865 | 9.310927543 |
| RAB7A | ENSG00000075785.12 | 8.721199533 | 9.50115125 | 9.423144749 |
| RACK1 | ENSG00000204628.11 | 9.924854352 | 9.048691078 | 9.386952349 |
| RPL18 | ENSG00000063177.12 | 10.10325802 | 9.486786421 | 9.126355309 |
| GSTP1 | ENSG00000084207.15 | 9.674948645 | 8.510296142 | 9.230184954 |
| PPIB | ENSG00000166794.4 | 10.05904425 | 10.28993617 | 8.457227782 |
| MT-ND6 | ENSG00000198695.2 | 9.770209654 | 10.06267291 | 8.891824216 |
| HNRNPA1 | ENSG00000135486.17 | 10.27364005 | 8.706731519 | 8.730460528 |
| EIF4H | ENSG00000106682.14 | 8.765980496 | 8.80687205 | 8.420699613 |
| HNRNPK | ENSG00000165119.20 | 9.965642391 | 9.015134976 | 8.424679938 |
| LDHA | ENSG00000134333.13 | 9.932637935 | 10.11558468 | 8.569291536 |
| PRDX5 | ENSG00000126432.13 | 8.906487522 | 8.706976504 | 9.122399243 |
| HSPA5 | ENSG00000044574.7 | 9.396505009 | 9.419873706 | 8.39060969 |
| COX6A1 | ENSG00000111775.2 | 9.400764333 | 9.280702015 | 10.96467332 |
| HSP90AA1 | ENSG00000080824.18 | 10.77877433 | 9.796974188 | 8.669090078 |
| RPL36 | ENSG00000130255.12 | 9.885589157 | 8.749672696 | 8.631452075 |
| BSG | ENSG00000172270.18 | 9.136138357 | 9.951223367 | 9.30583634 |
| RPS15 | ENSG00000115268.9 | 8.749935807 | 8.653472228 | 8.410744248 |
| PSMB4 | ENSG00000159377.10 | 10.18411432 | 9.402150857 | 8.981157381 |

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| PCBP2 | ENSG00000197111.15 | 9.607052535 | 8.433139466 | 8.467491827 |
| MIF | ENSG00000240972.1 | 8.920746759 | 9.51494339 | 9.5466976 |
| PARK7 | ENSG00000116288.12 | 9.006434842 | 8.560224205 | 8.504676133 |
| EIF5A | ENSG00000132507.17 | 10.29948665 | 8.707801152 | 8.35824378 |
| UBA52 | ENSG00000221983.7 | 9.939946631 | 9.37310694 | 8.541838246 |
| SERPINE2 | ENSG00000135919.12 | 11.55108404 | 8.535553202 | 10.72957179 |
| TPT1 | ENSG00000133112.16 | 9.534532573 | 8.816544196 | 10.32353781 |
| VDAC1 | ENSG00000213585.10 | 8.790269486 | 8.280329393 | 8.709911503 |
| RPL31 | ENSG00000071082.10 | 9.047174647 | 9.407456928 | 8.994746971 |
| KHSRP | ENSG00000088247.17 | 9.03215537 | 8.675252762 | 8.520858964 |
| HLA-A | ENSG00000206503.12 | 8.293354324 | 9.099222043 | 8.611458087 |
| RHOA | ENSG00000067560.10 | 9.215796286 | 8.934091041 | 8.313694258 |
| SQSTM1 | ENSG00000161011.19 | 9.2757718 | 8.597223711 | 9.110876219 |
| CTNNB1 | ENSG00000168036.16 | 8.352292361 | 10.48295012 | 8.253263014 |
| RPS14 | ENSG00000164587.11 | 10.81096289 | 8.931865643 | 9.361075887 |
| PCBP1 | ENSG00000169564.6 | 9.428928247 | 9.292063302 | 8.232118344 |
| HSPB1 | ENSG00000106211.8 | 8.433091372 | 9.641579875 | 8.222761791 |
| EEF1B2 | ENSG00000114942.13 | 9.131425178 | 9.151984893 | 8.239009005 |
| CLIC1 | ENSG00000213719.8 | 8.406434889 | 8.891978671 | 9.373801599 |
| MDH1 | ENSG00000014641.17 | 8.294865104 | 9.038997615 | 8.54381361 |
| TMBIM6 | ENSG00000139644.12 | 9.25647565 | 8.706704122 | 8.984241392 |
| H2AFZ | ENSG00000164032.11 | 9.073650136 | 9.454119332 | 8.214069285 |
| ATP5A1 | ENSG00000152234.15 | 8.961871675 | 9.120187895 | 9.323291887 |
| RPL29 | ENSG00000162244.10 | 9.950340887 | 9.213283745 | 8.771070835 |
| MSN | ENSG00000147065.16 | 8.225577502 | 8.70254951 | 8.916591965 |
| DBI | ENSG00000155368.16 | 8.305102424 | 9.26235606 | 9.721789381 |
| NACA | ENSG00000196531.10 | 9.591064965 | 8.796532199 | 9.295008995 |
| ARHGDI2 | ENSG00000141522.11 | 8.522610905 | 8.37169737 | 8.783993079 |
| ATP5H | ENSG00000167863.11 | 8.497310891 | 8.548249058 | 9.093101556 |
| RPS15A | ENSG00000134419.15 | 9.725688937 | 8.97246786 | 8.743373928 |
| PGK1 | ENSG00000102144.13 | 8.647764152 | 8.597248991 | 8.238576536 |
| CAPRIN1 | ENSG00000135387.20 | 8.826669933 | 8.436248204 | 8.335260571 |
| PRKCSH | ENSG00000130175.9 | 9.394941162 | 8.143612866 | 8.185918535 |
| DYNLL1 | ENSG00000088986.10 | 8.402029194 | 8.345509578 | 8.437053647 |
| RPL36A | ENSG00000241343.9 | 10.2341456 | 9.164897102 | 9.258175278 |
| SET | ENSG00000119335.16 | 9.614044423 | 9.239657283 | 8.106278982 |
| TKT | ENSG00000163931.15 | 9.261356366 | 8.688777901 | 8.1402711 |
| MFSD12 | ENSG00000161091.12 | 9.117218243 | 11.14908263 | 11.25449313 |
| ERGIC3 | ENSG00000125991.19 | 8.152676855 | 8.146034367 | 8.317867231 |
| GPI | ENSG00000105220.14 | 8.887003802 | 8.328045665 | 8.877140462 |
| MTPN | ENSG00000105887.10 | 8.268907388 | 8.723529398 | 8.741361868 |
| EIF3E | ENSG00000104408.9 | 9.414811271 | 8.547245925 | 8.97204984 |
| GANAB | ENSG00000089597.16 | 9.002431306 | 8.550079958 | 8.113287679 |
| GNB1 | ENSG00000078369.17 | 8.20782915 | 8.431233341 | 8.272589184 |
| PEBP1 | ENSG00000089220.4 | 8.232687125 | 9.24059316 | 9.200397588 |
| XRCC6 | ENSG00000196419.12 | 8.912580922 | 8.683331704 | 8.086888755 |

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| HSPA9 | ENSG00000113013.12 | 9.076427388 | 8.8116786 | 10.21702924 |
| ATP6VOC | ENSG00000185883.11 | 8.593968374 | 8.908430012 | 9.16291408 |
| RPL34 | ENSG00000109475.16 | 9.424344808 | 8.513194972 | 8.300807382 |
| HNRNPL | ENSG00000104824.16 | 9.312198997 | 8.50105646 | 8.053702186 |
| NME1-NME2 | ENSG00000011052.21 | 8.520976088 | 8.483523548 | 8.085759644 |
| CLTC | ENSG00000141367.11 | 8.156605165 | 8.448587576 | 8.367528438 |
| XRCC5 | ENSG00000079246.15 | 8.526871445 | 8.477691906 | 8.005467728 |
| SSBP1 | ENSG00000106028.10 | 9.047296623 | 8.506928788 | 8.00514017 |
| GPNMB | ENSG00000136235.15 | 8.044522818 | 9.946319487 | 9.178603777 |
| YWHAG | ENSG00000170027.6 | 8.327049009 | 8.567677577 | 8.063795505 |
| AP2M1 | ENSG00000161203.13 | 8.134637479 | 8.395736606 | 8.014850386 |
| EIF3K | ENSG00000178982.9 | 9.14576789 | 8.485520684 | 8.018178783 |
| PSMB7 | ENSG00000136930.12 | 9.099098065 | 9.323075434 | 7.971981616 |
| EIF4A1 | ENSG00000161960.14 | 9.724536594 | 8.593914199 | 8.10904496 |
| GARS | ENSG00000106105.13 | 8.567646571 | 9.300393601 | 9.672929017 |
| ATP5F1 | ENSG00000116459.10 | 8.543206056 | 7.988660255 | 8.158169427 |
| HSP90B1 | ENSG00000166598.14 | 9.820060068 | 9.373479462 | 8.028493401 |
| ACTR2 | ENSG00000138071.13 | 8.608232759 | 8.281213821 | 8.061976042 |
| MAT2A | ENSG00000168906.12 | 8.713168773 | 7.983740118 | 8.068984522 |
| LGALS1 | ENSG00000100097.11 | 9.789133769 | 9.595364556 | 8.127929864 |
| DYNLRB1 | ENSG00000125971.16 | 8.39099199 | 8.001336858 | 9.127493591 |
| EIF3I | ENSG00000084623.11 | 9.675891449 | 8.773137796 | 7.917597388 |
| STIP1 | ENSG00000168439.16 | 8.614173124 | 8.003164838 | 8.060097369 |
| MT-TL1 | ENSG00000209082.1 | 7.993013202 | 11.38106442 | 8.927550435 |
| CSDE1 | ENSG00000009307.15 | 8.864865967 | 8.252235618 | 8.160126136 |
| SRRM2 | ENSG00000167978.16 | 8.545022679 | 8.167503405 | 8.404460347 |
| RAC1 | ENSG00000136238.17 | 8.633979763 | 8.639250366 | 8.433005254 |
| ATP5J2 | ENSG00000241468.7 | 8.819034431 | 9.065821695 | 7.897571538 |
| ATF4 | ENSG00000128272.14 | 9.111096001 | 8.711551433 | 9.869280136 |
| RPL23 | ENSG00000125691.12 | 9.072914832 | 8.799931229 | 9.155774633 |
| YWHAQ | ENSG00000134308.13 | 9.029212138 | 8.395077275 | 7.893664608 |
| CCT8 | ENSG00000156261.12 | 8.510611662 | 8.187930513 | 7.937585889 |
| YWHAE | ENSG00000108953.16 | 9.170794379 | 8.040112807 | 8.469223052 |
| COX6B1 | ENSG00000126267.8 | 8.585270035 | 9.048018041 | 8.320323448 |
| AHCY | ENSG00000101444.12 | 8.031822556 | 7.875643481 | 8.142412117 |
| SOD1 | ENSG00000142168.14 | 8.494430037 | 8.070703558 | 8.291320493 |
| ANXA2 | ENSG00000182718.16 | 9.142621658 | 9.130781222 | 7.9098691 |
| COX5B | ENSG00000135940.6 | 7.88035764 | 8.168481434 | 8.030370748 |
| HDLBP | ENSG00000115677.16 | 7.954439311 | 8.955747619 | 8.929598633 |
| PSMB3 | ENSG00000277791.4 | 8.926686246 | 8.474660954 | 7.879532546 |
| NOP10 | ENSG00000182117.5 | 8.339216032 | 8.474765084 | 8.103987057 |
| CCT2 | ENSG00000166226.12 | 8.946966006 | 7.9636628 | 8.518082088 |
| SERBP1 | ENSG00000142864.14 | 9.558751979 | 8.068551594 | 7.841191625 |
| TUFM | ENSG00000178952.10 | 9.263750397 | 8.337416454 | 8.036058935 |
| LRRC75A-AS1 | ENSG00000175061.17 | 9.24977838 | 8.161746464 | 8.672352413 |
| HNRNPAB | ENSG00000197451.11 | 8.975245595 | 7.97786473 | 7.855066004 |

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| CCT6A | ENSG00000146731.10 | 9.174428404 | 9.278741937 | 7.93208347 |
| SCD | ENSG00000099194.5 | 8.194238466 | 9.143674766 | 8.862876066 |
| MDH2 | ENSG00000146701.11 | 8.673564174 | 8.709840941 | 8.021599809 |
| MYL12B | ENSG00000118680.12 | 8.20221779 | 8.795313346 | 8.227633064 |
| CCT7 | ENSG00000135624.15 | 9.295841588 | 8.785457246 | 7.822250972 |
| PTMA | ENSG00000187514.16 | 10.0712824 | 9.367041883 | 8.419104866 |
| DDOST | ENSG00000244038.9 | 9.138533263 | 8.993033617 | 8.350844859 |
| FLNA | ENSG00000196924.14 | 9.123384624 | 9.022801243 | 7.801744592 |
| RPL22 | ENSG00000116251.9 | 8.613813064 | 8.449868843 | 8.001918206 |
| DDX17 | ENSG00000100201.20 | 7.909387161 | 8.236270683 | 8.601206899 |
| MALAT1 | ENSG00000251562.7 | 7.992674789 | 9.105929392 | 9.053446674 |
| ARF1 | ENSG00000143761.15 | 9.043517786 | 7.965729013 | 8.658030093 |
| RPL38 | ENSG00000172809.12 | 9.588294272 | 9.120908504 | 8.801182187 |
| TOMM7 | ENSG00000196683.10 | 7.773468812 | 9.41616888 | 7.888857896 |
| RPL37A | ENSG00000197756.9 | 8.573099059 | 8.551536331 | 8.096376199 |
| RPL17 | ENSG00000265681.7 | 9.350386108 | 9.243938066 | 8.071835317 |
| SF3B2 | ENSG00000087365.15 | 8.722139701 | 7.973710004 | 8.194971147 |
| NORAD | ENSG00000260032.1 | 8.221910963 | 7.783528462 | 8.302461465 |
| RPS3 | ENSG00000149273.14 | 9.542298916 | 8.648165857 | 8.78787031 |
| MORF4L1 | ENSG00000185787.14 | 8.463145728 | 8.683368766 | 8.491884597 |
| C1orf43 | ENSG00000143612.19 | 8.534010435 | 8.433178528 | 7.94620994 |
| EWSR1 | ENSG00000182944.17 | 8.369618257 | 7.700047046 | 7.943597997 |
| ATP6V1F | ENSG00000128524.4 | 7.704338186 | 9.269994829 | 8.794376913 |
| SLC3A2 | ENSG00000168003.16 | 7.930842612 | 9.067631054 | 9.284664483 |
| RPL13 | ENSG00000167526.13 | 9.749763809 | 8.569495021 | 8.927674823 |
| EIF2S2 | ENSG00000125977.6 | 8.26494276 | 7.781639271 | 8.801577765 |
| ACOT7 | ENSG00000097021.19 | 8.05358487 | 7.765609669 | 8.112015745 |
| SRSF9 | ENSG00000111786.8 | 8.177455503 | 7.893116712 | 8.726306234 |
| UBA1 | ENSG00000130985.16 | 8.644802697 | 8.682057756 | 7.694056862 |
| EIF4G1 | ENSG00000114867.20 | 8.691892421 | 9.049701243 | 7.707361223 |
| KPNB1 | ENSG00000108424.9 | 8.629153024 | 8.335295287 | 8.065722473 |
| RTN4 | ENSG00000115310.17 | 8.443093939 | 8.292493843 | 8.767239331 |
| USMG5 | ENSG00000173915.14 | 9.257304339 | 8.10944469 | 8.14736666 |
| MORF4L2 | ENSG00000123562.16 | 8.447279715 | 8.830637474 | 7.713426347 |
| CDC42 | ENSG00000070831.15 | 8.107933545 | 8.068640748 | 8.065910411 |
| ARPC2 | ENSG00000163466.15 | 7.726227532 | 8.52699319 | 8.15829588 |
| CCT3 | ENSG00000163468.14 | 9.40662344 | 9.159639556 | 7.73342913 |
| SFPQ | ENSG00000116560.10 | 8.987041654 | 7.67439045 | 8.123843713 |
| CTSB | ENSG00000164733.20 | 7.78195032 | 8.762281437 | 13.02227165 |
| LGALS3BP | ENSG00000108679.12 | 9.26045721 | 9.607341225 | 8.871647332 |
| ATP5J | ENSG00000154723.12 | 8.294309495 | 7.958504005 | 8.5064957 |
| KDELR1 | ENSG00000105438.8 | 8.041293297 | 9.116613223 | 7.880420816 |
| TMA7 | ENSG00000232112.3 | 8.938962547 | 8.616960841 | 7.690751838 |
| PTBP1 | ENSG00000011304.19 | 8.853708669 | 8.14137536 | 7.67087511 |
| PDIA3 | ENSG00000167004.12 | 8.191226426 | 8.527384142 | 7.672030292 |
| C1QBP | ENSG00000108561.8 | 9.878965127 | 7.624838476 | 7.643103211 |

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| NME1 | ENSG00000239672.7 | 9.060954403 | 8.597874277 | 8.610606097 |
| CAP1 | ENSG00000131236.16 | 8.825109056 | 8.467196782 | 8.172252603 |
| EIF4B | ENSG00000063046.17 | 9.057860842 | 7.991867025 | 8.549890901 |
| SND1 | ENSG00000197157.10 | 7.602947228 | 9.008398006 | 7.962096847 |
| LRRCS9 | ENSG00000108829.9 | 8.043448877 | 8.41554126 | 7.66012599 |
| CBX3 | ENSG00000122565.18 | 8.344600626 | 8.175702705 | 7.796883311 |
| HNRNPU | ENSG00000153187.18 | 9.094832496 | 7.959265239 | 7.951290907 |
| CCT5 | ENSG00000150753.11 | 9.385244421 | 8.387404227 | 7.913510861 |
| EDF1 | ENSG00000107223.12 | 8.527842517 | 8.902076094 | 9.446137188 |
| MAPRE1 | ENSG00000101367.8 | 7.581602847 | 7.579989462 | 7.809293815 |
| DDB1 | ENSG00000167986.13 | 8.275778168 | 7.957753938 | 8.027228733 |
| CNBP | ENSG00000169714.16 | 8.301188371 | 8.205483918 | 7.890162208 |
| GSN | ENSG00000148180.19 | 8.954731856 | 9.250738252 | 8.714490121 |
| RPS23 | ENSG00000186468.12 | 8.948686406 | 8.024537443 | 7.798479603 |
| SRP14 | ENSG00000140319.10 | 8.32214105 | 8.013436414 | 8.169761631 |
| HADHA | ENSG00000084754.10 | 7.535548866 | 8.193537686 | 7.621299881 |
| SERF2 | ENSG00000140264.19 | 8.395560894 | 9.030687591 | 7.905837444 |
| PSMC3 | ENSG00000165916.8 | 8.27440612 | 7.986552158 | 7.599411352 |
| SDHB | ENSG00000117118.9 | 7.938529151 | 8.088656907 | 7.577814975 |
| RPS28 | ENSG00000233927.4 | 8.735250499 | 8.474281309 | 7.954621706 |
| SF1 | ENSG00000168066.20 | 8.084434405 | 7.591064196 | 7.750234935 |
| NQO1 | ENSG00000181019.12 | 8.839022337 | 7.71801283 | 7.959697481 |
| PPDPF | ENSG00000125534.9 | 7.658493201 | 7.621200427 | 8.190973224 |
| CCT4 | ENSG00000115484.14 | 8.983804429 | 8.776408497 | 7.525576638 |
| RALY | ENSG00000125970.11 | 7.492519081 | 7.752185465 | 8.388335567 |
| RPS19 | ENSG00000105372.6 | 8.650872847 | 10.18903599 | 9.696737009 |
| AES | ENSG00000104964.14 | 7.706079764 | 7.986348804 | 8.151094888 |
| CTNNA1 | ENSG00000044115.20 | 8.889770677 | 8.269046836 | 8.899242357 |
| APP | ENSG00000142192.20 | 8.338441315 | 8.979659975 | 9.207086291 |
| GSTO1 | ENSG00000148834.12 | 7.916534706 | 8.885349518 | 8.91284157 |
| CALU | ENSG00000128595.16 | 7.504322415 | 9.09221253 | 8.0380897 |
| HNRNPC | ENSG00000092199.17 | 9.564142065 | 8.266570384 | 7.611211193 |
| NDUFS5 | ENSG00000168653.10 | 8.738198391 | 8.358824695 | 7.522895764 |
| HNRNPUL1 | ENSG00000105323.16 | 8.53115825 | 8.023856204 | 7.694729647 |
| STRAP | ENSG00000023734.10 | 8.780918367 | 7.915249409 | 7.773532461 |
| SLC7A5 | ENSG00000103257.8 | 8.754127215 | 9.75135214 | 9.686854037 |
| MGAT4B | ENSG00000161013.16 | 8.054364185 | 7.555290019 | 8.07109221 |
| C20orf24 | ENSG00000101084.17 | 7.556030029 | 7.677925692 | 7.422177656 |
| UQCRC1 | ENSG00000010256.10 | 7.530334069 | 7.62962842 | 8.258295108 |
| EIF3B | ENSG00000106263.17 | 8.436467533 | 8.523579189 | 7.453328194 |
| FUS | ENSG00000089280.18 | 8.596879882 | 7.57046412 | 7.618882301 |
| HNRNPF | ENSG00000169813.16 | 8.823480487 | 8.004024832 | 8.544905378 |
| CTSD | ENSG00000117984.13 | 7.5784323 | 10.1971817 | 10.82673231 |
| ACLY | ENSG00000131473.16 | 7.669813628 | 7.659749585 | 7.510837849 |
| HM13 | ENSG00000101294.16 | 8.243303188 | 7.889667118 | 7.59358385 |
| EIF2S3 | ENSG00000130741.10 | 8.925706534 | 7.406876236 | 8.403492541 |

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| IFI16 | ENSG00000163565.18 | 7.630262676 | 7.557112087 | 8.712923531 |
| RBM39 | ENSG00000131051.22 | 8.014386291 | 7.574401238 | 8.004573072 |
| RPN1 | ENSG00000163902.11 | 8.155121672 | 8.536227778 | 7.549079486 |
| CTSA | ENSG00000064601.16 | 7.42164386 | 8.429443667 | 8.655733876 |
| PSMD2 | ENSG00000175166.16 | 7.432021019 | 8.247298001 | 7.625989002 |
| UBC | ENSG00000150991.14 | 7.564350653 | 7.780439119 | 8.636280464 |
| ARPC1A | ENSG00000241685.9 | 7.759979042 | 8.431612526 | 7.691882816 |
| PFDN5 | ENSG00000123349.13 | 8.024174052 | 7.48991554 | 7.43393289 |
| CALM2 | ENSG00000143933.16 | 9.466731891 | 8.270531454 | 8.126093866 |
| AP2S1 | ENSG00000042753.11 | 8.557975973 | 7.431050754 | 8.270722262 |
| PSMD8 | ENSG00000099341.11 | 8.197151739 | 8.066239205 | 8.112292902 |
| NUCB1 | ENSG00000104805.15 | 8.063338705 | 8.780447993 | 7.627653551 |
| NDUFB8 | ENSG00000166136.15 | 8.081492739 | 7.367462369 | 7.954855073 |
| UBL5 | ENSG00000198258.10 | 8.751882844 | 8.292996891 | 7.635708365 |
| TRIM28 | ENSG00000130726.11 | 8.733645833 | 7.670512312 | 7.451475577 |
| MLF2 | ENSG00000089693.10 | 7.911758213 | 7.559436631 | 7.411956645 |
| HSPE1 | ENSG00000115541.10 | 8.109366173 | 8.45366935 | 7.376967738 |
| SRSF1 | ENSG00000136450.12 | 8.184681005 | 7.344976129 | 7.550791399 |
| ATIC | ENSG00000138363.14 | 7.558284813 | 7.480564255 | 7.820394697 |
| NARS | ENSG00000134440.11 | 7.957600414 | 8.166606754 | 8.038755542 |
| NHP2 | ENSG00000145912.8 | 8.781196215 | 7.574916501 | 7.33453535 |
| ACTN4 | ENSG00000130402.11 | 8.891466697 | 8.610514422 | 8.962801621 |
| ARPC3 | ENSG00000111229.15 | 8.691854772 | 8.11995453 | 7.340819196 |
| COX6C | ENSG00000164919.10 | 7.397507267 | 7.849361255 | 8.387224375 |
| RPL27A | ENSG00000166441.12 | 8.167278161 | 7.956342673 | 7.514164196 |
| TUBA1B | ENSG00000123416.15 | 10.28700631 | 9.173249352 | 7.547847736 |
| AUP1 | ENSG00000115307.16 | 7.683057043 | 7.816878136 | 7.34633925 |
| COX4I1 | ENSG00000131143.8 | 8.405640238 | 8.038021788 | 8.346085052 |
| RAB1B | ENSG00000174903.15 | 8.062256845 | 7.285185446 | 7.748227834 |
| FKBP10 | ENSG00000141756.18 | 8.270876953 | 8.647389458 | 7.598861894 |
| CDK4 | ENSG00000135446.16 | 8.202416646 | 7.829138153 | 8.999525006 |
| NDUFV2 | ENSG00000178127.12 | 7.665912176 | 8.134380888 | 7.716271873 |
| ADRM1 | ENSG00000130706.12 | 8.576902361 | 7.850760352 | 8.651019907 |
| RPL36AL | ENSG00000165502.6 | 7.883959862 | 7.309507567 | 7.569151954 |
| COX7C | ENSG00000127184.12 | 8.239444937 | 8.024713779 | 8.48118838 |
| HNRNPM | ENSG00000099783.11 | 8.865350782 | 7.621526752 | 7.428408347 |
| CCNI | ENSG00000118816.9 | 7.536703374 | 8.042152745 | 8.288505751 |
| VCP | ENSG00000165280.15 | 8.881245117 | 7.464344497 | 7.339535584 |
| PFKP | ENSG00000067057.16 | 7.306611138 | 7.453918607 | 7.600664496 |
| EIF3L | ENSG00000100129.17 | 8.835215612 | 7.796614738 | 8.396287522 |
| EIF4EBP1 | ENSG00000187840.4 | 8.478863779 | 7.607004909 | 7.903135435 |
| CSNK1E | ENSG00000213923.11 | 7.309014104 | 8.187232463 | 7.868275315 |
| SEC11A | ENSG00000140612.13 | 7.737144181 | 7.481495525 | 7.264578932 |
| SNRPB | ENSG00000125835.18 | 9.645073527 | 8.499855334 | 7.414406821 |
| RPL28 | ENSG00000108107.14 | 8.999176855 | 7.336775555 | 7.927152697 |
| GLO1 | ENSG00000124767.6 | 7.634699598 | 8.149978195 | 7.517255276 |

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| IQGAP1 | ENSG00000140575.12 | 7.303737794 | 8.057138034 | 8.265272249 |
| ATP5C1 | ENSG00000165629.19 | 7.94536401 | 7.485388011 | 8.253186479 |
| CAPZB | ENSG00000077549.17 | 7.605324416 | 7.990303643 | 8.001507166 |
| UQCRCQ | ENSG00000164405.10 | 8.258345276 | 7.426295892 | 7.447067649 |
| KPNA2 | ENSG00000182481.8 | 8.360692763 | 8.200323577 | 7.338715703 |
| CD44 | ENSG00000026508.17 | 8.730947554 | 8.06068969 | 8.86895411 |
| SLC39A7 | ENSG00000112473.17 | 7.303601637 | 8.182531705 | 7.279388335 |
| HEXB | ENSG00000049860.13 | 7.425309208 | 7.588563053 | 7.319103493 |
| EIF3G | ENSG00000130811.11 | 8.396124901 | 7.361983969 | 7.541827652 |
| TMED9 | ENSG00000184840.11 | 7.320559509 | 7.893070405 | 7.334481469 |
| ACSL3 | ENSG00000123983.13 | 7.695330135 | 8.801026813 | 7.434772744 |
| PRDX3 | ENSG00000165672.6 | 8.494744943 | 7.250940703 | 7.38455624 |
| COPZ1 | ENSG00000111481.9 | 7.590620337 | 7.551856816 | 7.317878131 |
| MMADHC | ENSG00000168288.12 | 7.554604968 | 7.311044018 | 7.300142288 |
| PTGES3 | ENSG00000110958.15 | 8.938146723 | 7.558802345 | 7.928824098 |
| PRMT1 | ENSG00000126457.21 | 8.678252665 | 8.136575672 | 7.614778534 |
| HNRNPA3 | ENSG00000170144.20 | 7.568552427 | 8.201275093 | 7.365922827 |
| CTTN | ENSG00000085733.15 | 7.470391786 | 8.153599435 | 7.655866859 |
| IPO7 | ENSG00000205339.9 | 7.739202589 | 7.260488087 | 7.866199412 |
| AK2 | ENSG00000004455.16 | 7.883509647 | 7.542041585 | 7.365593377 |
| ST13 | ENSG00000100380.13 | 7.646282802 | 7.616747964 | 7.879747305 |
| TBCA | ENSG00000171530.13 | 8.265954097 | 7.534849047 | 7.778432861 |
| PSMD14 | ENSG00000115233.11 | 7.469777826 | 7.538205623 | 7.217330666 |
| HYOU1 | ENSG00000149428.18 | 8.240907277 | 7.285027292 | 7.816764617 |
| COX5A | ENSG00000178741.11 | 7.658772958 | 7.683156554 | 8.066721941 |
| CRTAP | ENSG00000170275.14 | 7.219239554 | 7.764018131 | 7.319480848 |
| NDUFA11 | ENSG00000174886.12 | 8.192166012 | 7.847727312 | 8.138162824 |
| PSMC2 | ENSG00000161057.11 | 8.054929821 | 7.760663904 | 7.186480912 |
| GHITM | ENSG00000165678.20 | 8.583191669 | 7.170282347 | 8.545100868 |
| ACTN1 | ENSG00000072110.13 | 7.913640789 | 7.292765516 | 8.530712962 |
| AKR1B1 | ENSG00000085662.13 | 7.340483683 | 7.200992688 | 8.003166576 |
| GNG12 | ENSG00000172380.5 | 7.952342412 | 7.913651726 | 7.200510686 |
| PDIA4 | ENSG00000155660.10 | 8.220955528 | 8.629074234 | 7.187704897 |
| DAD1 | ENSG00000129562.10 | 7.226576893 | 7.373295471 | 7.511849013 |
| SMS | ENSG00000102172.15 | 8.599424761 | 7.298976751 | 7.462990208 |
| SSU72 | ENSG00000160075.11 | 7.687684109 | 8.089186702 | 7.285632584 |
| COPA | ENSG00000122218.14 | 7.887109474 | 8.35961862 | 7.185775861 |
| TPM4 | ENSG00000167460.14 | 7.728105789 | 8.521154761 | 8.215473135 |
| SHMT2 | ENSG00000182199.10 | 8.428611832 | 7.548833988 | 8.679464475 |
| POMP | ENSG00000132963.7 | 8.727301793 | 7.836482734 | 7.227246631 |
| CHD4 | ENSG00000111642.14 | 8.205336451 | 7.803030736 | 7.672438161 |
| HSPA4 | ENSG00000170606.14 | 8.333748532 | 7.722485098 | 7.660642821 |
| PSMD1 | ENSG00000173692.12 | 7.559166706 | 7.825580354 | 7.160705494 |
| PFDN2 | ENSG00000143256.4 | 9.210059327 | 8.400742286 | 7.346965826 |
| ROMO1 | ENSG00000125995.15 | 7.980567773 | 7.531449336 | 7.513453943 |
| SLC4A2 | ENSG00000164889.13 | 7.700416511 | 8.257476104 | 7.26270642 |

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| IDH1 | ENSG00000138413.13 | 7.391518891 | 8.402313548 | 9.08565284 |
| COPG1 | ENSG00000181789.14 | 7.177451803 | 8.006130925 | 7.530249555 |
| EMC7 | ENSG00000134153.9 | 7.522828829 | 7.82843867 | 7.232839593 |
| SLC25A6 | ENSG00000169100.13 | 8.585946465 | 7.291429032 | 9.878258483 |
| SAE1 | ENSG00000142230.11 | 7.870143033 | 7.205132661 | 7.524617718 |
| EID1 | ENSG00000255302.4 | 8.234694142 | 8.055889742 | 8.022039411 |
| TFG | ENSG00000114354.13 | 7.465271488 | 7.69539313 | 7.646290989 |
| LGALS3 | ENSG00000131981.15 | 7.147345032 | 9.495855038 | 10.32412674 |
| WDR1 | ENSG00000071127.16 | 7.633348512 | 7.431162674 | 9.387081486 |
| PSMD4 | ENSG00000159352.15 | 8.77494673 | 8.255615711 | 7.183146688 |
| TIMP1 | ENSG00000102265.11 | 9.506928717 | 8.447776355 | 7.171474423 |
| TRIB2 | ENSG00000071575.11 | 7.261158651 | 7.1458653 | 8.144584044 |
| ATP6V1E1 | ENSG00000131100.12 | 7.323447575 | 8.482771626 | 8.167171414 |
| STT3B | ENSG00000163527.9 | 7.248858487 | 7.575344896 | 7.203920074 |
| DUSP4 | ENSG00000120875.8 | 7.560097009 | 8.364144352 | 8.803006938 |
| MRPL12 | ENSG00000262814.7 | 7.981810068 | 7.960327708 | 8.054172881 |
| LARP1 | ENSG00000155506.16 | 7.731088716 | 7.311156909 | 7.50680591 |
| ETF1 | ENSG00000120705.12 | 8.118939281 | 7.267758928 | 7.452840012 |
| PLP2 | ENSG00000102007.10 | 8.246349245 | 7.134383043 | 7.438621719 |
| VAT1 | ENSG00000108828.15 | 7.236919489 | 9.159494691 | 9.716388714 |
| NDUFB2 | ENSG00000090266.12 | 7.564792282 | 7.470870311 | 7.350123799 |
| CHCHD3 | ENSG00000106554.12 | 7.11472776 | 7.630754777 | 8.080878174 |
| SEPT9 | ENSG00000184640.17 | 8.187890121 | 8.520727196 | 8.10527364 |
| SH3BGR13 | ENSG00000142669.14 | 9.52456991 | 8.53325987 | 7.17562793 |
| RPL32 | ENSG00000144713.12 | 9.359062247 | 8.237744993 | 7.602764834 |
| PGAM1 | ENSG00000171314.8 | 8.725578227 | 7.45707088 | 7.719121722 |
| DNAJA1 | ENSG00000086061.15 | 8.242435406 | 7.385625741 | 7.117265709 |
| HP1BP3 | ENSG00000127483.17 | 7.10768728 | 7.304918949 | 7.317284911 |
| HNRNPH1 | ENSG00000169045.17 | 7.783698563 | 7.27191384 | 7.287600563 |
| ATP1B3 | ENSG00000069849.10 | 7.533488617 | 7.834564577 | 7.07854537 |
| GPX4 | ENSG00000167468.16 | 7.204422506 | 8.550003005 | 8.194212922 |
| AP1S2 | ENSG00000182287.14 | 7.177181087 | 7.519353422 | 7.9130617 |
| SRPRA | ENSG00000182934.11 | 8.086803666 | 7.223467626 | 7.220692505 |
| HSPH1 | ENSG00000120694.19 | 8.117693963 | 7.24218222 | 7.149340525 |
| SRSF6 | ENSG00000124193.14 | 7.449970066 | 7.066475971 | 7.465010289 |
| TECR | ENSG00000099797.13 | 8.074557774 | 7.531876686 | 7.210706979 |
| DNAJB1 | ENSG00000132002.7 | 7.33511559 | 7.745248036 | 7.691499332 |
| PSMD3 | ENSG00000108344.14 | 7.873798259 | 7.534364017 | 7.572248606 |
| PHLDA1 | ENSG00000139289.13 | 8.869399359 | 7.0860888 | 9.246222354 |
| NDUFB9 | ENSG00000147684.7 | 8.547991614 | 8.036637951 | 8.380570063 |
| RCN2 | ENSG00000117906.13 | 7.46672516 | 7.684659359 | 7.510534472 |
| ANP32B | ENSG00000136938.8 | 9.098140105 | 8.29725122 | 7.133081878 |
| GNAI2 | ENSG00000114353.16 | 8.16406583 | 8.306133158 | 7.085996418 |
| AGPAT1 | ENSG00000204310.12 | 7.401273105 | 7.582348731 | 7.241311931 |
| SLC25A3 | ENSG00000075415.12 | 9.142369487 | 8.308975416 | 7.792719825 |
| PRDX6 | ENSG00000117592.8 | 9.055236413 | 8.004452822 | 7.042592792 |

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| RAN | ENSG00000132341.11 | 7.967429945 | 7.676936288 | 8.626410662 |
| FAU | ENSG00000149806.10 | 8.689480975 | 7.800065677 | 7.887202999 |
| TRAM1 | ENSG00000067167.7 | 7.324111091 | 7.353914532 | 7.082039439 |
| CHMP4B | ENSG00000101421.3 | 7.042679879 | 7.788792349 | 7.813210591 |
| PLOD3 | ENSG00000106397.11 | 8.376194899 | 8.939934795 | 7.042441025 |
| HADHB | ENSG00000138029.13 | 7.134231632 | 7.771769436 | 7.654325921 |
| PSMC5 | ENSG00000087191.12 | 7.990497561 | 7.494070854 | 7.431668727 |
| AHSA1 | ENSG00000100591.7 | 8.18586933 | 7.289095848 | 7.345744855 |
| RANBP1 | ENSG00000099901.16 | 8.185737019 | 7.821051539 | 7.150509103 |
| TAX1BP1 | ENSG00000106052.13 | 7.339385251 | 7.958255386 | 7.941777082 |
| FASN | ENSG00000169710.8 | 7.912957365 | 7.402802789 | 8.215606827 |
| TMED2 | ENSG00000086598.10 | 7.986916436 | 7.336774111 | 8.121424573 |
| VDAC3 | ENSG00000078668.13 | 7.153123476 | 7.327176182 | 7.168802379 |
| ZNF207 | ENSG00000010244.18 | 7.721679814 | 7.083451566 | 7.173273533 |
| CYCS | ENSG00000172115.8 | 7.017419282 | 7.720833232 | 7.582624772 |
| MRPL51 | ENSG00000111639.7 | 8.256401998 | 7.023458791 | 7.076203648 |
| RCN1 | ENSG00000049449.8 | 7.656333746 | 7.635008084 | 7.542256715 |
| G3BP1 | ENSG00000145907.14 | 8.372983718 | 7.735683689 | 7.907994337 |
| RPL14 | ENSG00000188846.13 | 8.378067702 | 8.173083075 | 7.584348089 |
| SRP9 | ENSG00000143742.12 | 7.667678843 | 6.983233651 | 7.683585214 |
| BRI3 | ENSG00000164713.9 | 7.049413098 | 9.38304243 | 8.807006944 |
| CLIC4 | ENSG00000169504.14 | 8.170488282 | 7.699469868 | 7.305998272 |
| NDUFAB1 | ENSG00000004779.9 | 8.41882634 | 7.520009605 | 7.502928483 |
| PHB | ENSG00000167085.11 | 7.605167954 | 7.761224454 | 7.849131441 |
| SNRNP200 | ENSG00000144028.14 | 7.581731628 | 7.499107069 | 7.002094898 |
| MYL12A | ENSG00000101608.12 | 7.067013589 | 8.605492868 | 7.867047398 |
| SSRP1 | ENSG00000149136.8 | 8.948313396 | 7.198066806 | 7.098806519 |
| DDX39B | ENSG00000198563.13 | 8.137224419 | 7.568626137 | 7.303967951 |
| LAMP2 | ENSG00000005893.15 | 6.976812127 | 9.235794325 | 7.950424808 |
| EEF1D | ENSG00000104529.17 | 7.631565137 | 7.062429627 | 7.343278448 |
| RAB5C | ENSG00000108774.14 | 7.447512658 | 7.81113107 | 7.634191325 |
| COX7A2 | ENSG00000112695.11 | 7.922545411 | 7.316337591 | 7.41208372 |
| SNRPC | ENSG00000124562.9 | 7.689274495 | 7.246095856 | 7.559443461 |
| AP2B1 | ENSG00000006125.17 | 7.202886818 | 7.446541652 | 7.788808062 |
| ILF2 | ENSG00000143621.16 | 9.28729842 | 8.665828772 | 7.064317832 |
| EIF4A2 | ENSG00000156976.16 | 7.076545329 | 7.646702283 | 7.907107212 |
| COTL1 | ENSG00000103187.7 | 8.802706997 | 8.218033533 | 8.762931372 |
| CD81 | ENSG00000110651.11 | 6.951576947 | 8.000642253 | 9.535406411 |
| LAMP1 | ENSG00000185896.10 | 8.035708465 | 7.778779028 | 6.95747433 |
| HINT1 | ENSG00000169567.11 | 7.786656644 | 7.098254494 | 7.388583299 |
| SCAMP3 | ENSG00000116521.10 | 8.18345659 | 7.514836259 | 7.013159052 |
| TARS | ENSG00000113407.13 | 8.144180069 | 7.638041066 | 7.926802778 |
| SUMO2 | ENSG00000188612.11 | 7.925140284 | 7.30058264 | 7.300075386 |
| ERH | ENSG00000100632.10 | 8.214233088 | 6.943732553 | 7.104660355 |
| FXR1 | ENSG00000114416.17 | 7.213861425 | 7.525165837 | 7.790253123 |
| ATP2A2 | ENSG00000174437.16 | 8.093945356 | 8.001243554 | 7.034697463 |

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| ATP5O | ENSG00000241837.6 | 7.558339393 | 7.447301618 | 8.111620256 |
| PSMB1 | ENSG00000008018.8 | 8.632644091 | 7.713827591 | 6.93949967 |
| OS9 | ENSG00000135506.15 | 7.086909113 | 7.375850108 | 9.755967063 |
| CSE1L | ENSG00000124207.16 | 8.607323542 | 6.922931389 | 7.013274981 |
| ELOB | ENSG00000103363.14 | 7.70065127 | 7.388683945 | 7.428031228 |
| PTP4A2 | ENSG00000184007.18 | 7.545898418 | 6.937936747 | 7.632314027 |
| SNHG6 | ENSG00000245910.8 | 8.087269197 | 7.507202866 | 7.381243292 |
| GNG5 | ENSG00000174021.10 | 7.45148501 | 7.426978632 | 7.108202365 |
| HNRNPH3 | ENSG00000096746.17 | 7.470461058 | 7.226840739 | 6.95634593 |
| BAG6 | ENSG00000204463.12 | 7.444707128 | 7.326105201 | 8.018267589 |
| SNRPD2 | ENSG00000125743.10 | 8.552176204 | 7.125200763 | 7.357818666 |
| CALM1 | ENSG00000198668.10 | 7.141589674 | 7.549005332 | 6.997364284 |
| NDUFB7 | ENSG00000099795.6 | 8.196411369 | 8.422414929 | 7.1511086 |
| MTCH2 | ENSG00000109919.9 | 7.29510155 | 7.331950072 | 7.156245495 |
| PSMA6 | ENSG00000100902.10 | 7.766310029 | 7.20048513 | 7.068693152 |
| PXN | ENSG00000089159.16 | 8.518356493 | 6.942995034 | 8.348030401 |
| TALDO1 | ENSG00000177156.10 | 7.244018826 | 8.334576984 | 7.00641772 |
| PPP1CA | ENSG00000172531.14 | 7.488178214 | 7.101888441 | 7.525692306 |
| RAD21 | ENSG00000164754.14 | 8.064391155 | 6.966469747 | 7.149986593 |
| PPP4C | ENSG00000149923.13 | 8.042165063 | 7.233797557 | 6.924201791 |
| NDUFB4 | ENSG00000065518.7 | 7.03664439 | 7.259627175 | 6.89470857 |
| TAF15 | ENSG00000270647.5 | 7.821573328 | 6.915769029 | 6.985441196 |
| SF3B1 | ENSG00000115524.15 | 7.252030852 | 7.268688239 | 6.892239713 |
| PRELID1 | ENSG00000169230.9 | 7.833692938 | 7.09803183 | 7.548482865 |
| ELOVL5 | ENSG00000012660.13 | 6.947796069 | 6.985735972 | 7.201512953 |
| FBXO7 | ENSG00000100225.17 | 7.225025661 | 7.722881266 | 7.887721937 |
| S100A10 | ENSG00000197747.8 | 9.332339773 | 8.343788945 | 7.005438339 |
| SEC61B | ENSG00000106803.9 | 8.028424 | 8.983756494 | 6.942044464 |
| BCAP31 | ENSG00000185825.15 | 8.116961003 | 7.994733365 | 7.757391885 |
| SPTBN1 | ENSG00000115306.15 | 8.075063021 | 7.762779081 | 8.505522782 |
| FIS1 | ENSG00000214253.8 | 7.225189284 | 7.583735987 | 6.996550309 |
| UBAP2L | ENSG00000143569.18 | 8.178429031 | 7.855858458 | 6.923755677 |
| LARS | ENSG00000133706.17 | 7.45842432 | 7.034987757 | 7.448849716 |
| BEX3 | ENSG00000166681.13 | 6.984518832 | 7.571953528 | 7.092827066 |
| POLR2L | ENSG00000177700.5 | 7.200884724 | 7.730205044 | 6.924683 |
| CCND1 | ENSG00000110092.3 | 7.81894725 | 7.210802311 | 10.83638022 |
| PHB2 | ENSG00000215021.8 | 8.866836645 | 7.437220741 | 7.667809342 |
| CNP | ENSG00000173786.16 | 7.947315179 | 8.198629039 | 7.316881283 |
| LMAN2 | ENSG00000169223.14 | 7.096786821 | 6.909623891 | 7.106344264 |
| PDAP1 | ENSG00000106244.12 | 7.938343517 | 7.606784859 | 7.023497766 |
| ZFAND5 | ENSG00000107372.12 | 7.355630794 | 7.933438134 | 7.570618996 |
| SSB | ENSG00000138385.15 | 6.864736542 | 7.644769574 | 7.225939224 |
| SUMF2 | ENSG00000129103.17 | 7.738569248 | 8.316350411 | 6.990452581 |
| PTTG1 | ENSG00000164611.12 | 8.079526958 | 6.918787209 | 7.539642718 |
| SNRNP70 | ENSG00000104852.14 | 7.685799673 | 7.98746543 | 6.985344936 |
| BRK1 | ENSG00000254999.3 | 7.396660371 | 7.633510826 | 6.86584102 |

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| ARL6IP1 | ENSG00000170540.14 | 7.990911743 | 6.927709609 | 7.268433989 |
| STAU1 | ENSG00000124214.19 | 8.005378213 | 6.850719332 | 7.516365198 |
| TMX2 | ENSG00000213593.9 | 7.948169301 | 7.293899754 | 7.154984901 |
| UBE2S | ENSG00000108106.13 | 8.597541649 | 6.826732496 | 7.460994043 |
| TCP1 | ENSG00000120438.11 | 8.333518285 | 7.307406073 | 6.973017196 |
| ATP5I | ENSG00000169020.9 | 8.177255721 | 6.845280284 | 8.771107856 |
| MYDGF | ENSG00000074842.7 | 7.736225322 | 8.039784173 | 6.9367244 |
| MYL6 | ENSG00000092841.18 | 8.344778131 | 8.20337684 | 6.885447258 |
| SSR3 | ENSG00000114850.6 | 7.240575956 | 8.144037176 | 6.910218504 |
| APLP2 | ENSG00000084234.16 | 7.689094591 | 6.882647548 | 7.245040605 |
| PA2G4 | ENSG00000170515.13 | 8.917811152 | 7.730342451 | 6.890784928 |
| PSMA2 | ENSG00000106588.10 | 7.899491393 | 7.912521526 | 7.328645506 |
| NAP1L1 | ENSG00000187109.13 | 9.178844286 | 7.316953069 | 9.168011395 |
| ATP6V1G1 | ENSG00000136888.6 | 7.072718203 | 9.296605845 | 7.180174497 |
| SEM1 | ENSG00000127922.9 | 7.218819067 | 7.746916855 | 6.898659265 |
| ATP6V0D1 | ENSG00000159720.11 | 7.272888286 | 7.000075124 | 7.670719611 |
| YWHAB | ENSG00000166913.12 | 8.731555029 | 7.276445469 | 7.953780585 |
| DHX15 | ENSG00000109606.12 | 8.209330899 | 6.8404428 | 8.353788519 |
| NUDC | ENSG00000090273.13 | 8.430050519 | 7.415909484 | 6.847068101 |
| HMGN1 | ENSG00000205581.10 | 7.289927411 | 7.107602815 | 7.201410563 |
| BUD31 | ENSG00000106245.10 | 7.555758985 | 6.866931396 | 7.095539894 |
| TM9SF2 | ENSG00000125304.8 | 7.499459902 | 6.823414783 | 7.02392693 |
| IARS | ENSG00000196305.17 | 7.888054156 | 8.457018421 | 7.623460509 |
| RBM3 | ENSG00000102317.17 | 8.054264175 | 7.138464332 | 7.24914617 |
| SERINC3 | ENSG00000132824.13 | 7.378423313 | 6.879995503 | 7.55414762 |
| SHC1 | ENSG00000160691.18 | 7.520467189 | 7.240765835 | 6.800012994 |
| TXN | ENSG00000136810.12 | 9.117740766 | 9.281188342 | 6.964121069 |
| PTPA | ENSG00000119383.19 | 7.984159456 | 7.342513554 | 7.715624806 |
| PSMA1 | ENSG00000129084.17 | 7.413350997 | 7.613443787 | 7.675347745 |
| LMNA | ENSG00000160789.19 | 9.168207699 | 8.05088758 | 7.166389782 |
| GRN | ENSG00000030582.17 | 6.989158838 | 8.770901864 | 7.774614941 |
| U2AF2 | ENSG00000063244.12 | 8.333464458 | 6.839235776 | 7.442862106 |
| COPS9 | ENSG00000172428.10 | 6.835539978 | 7.245706929 | 6.992730711 |
| CST3 | ENSG00000101439.8 | 7.55570753 | 8.541740876 | 6.810640206 |
| SF3B6 | ENSG00000115128.6 | 8.412380567 | 8.544778535 | 6.837997739 |
| FDPS | ENSG00000160752.14 | 7.486780062 | 8.276272767 | 6.841917828 |
| LAMC1 | ENSG00000135862.5 | 7.761072658 | 6.845465024 | 6.991457359 |
| TMED3 | ENSG00000166557.12 | 6.852998704 | 8.254621255 | 7.180387851 |
| CERS2 | ENSG00000143418.19 | 7.67145501 | 7.571058965 | 7.381755597 |
| APEH | ENSG00000164062.12 | 7.193891089 | 7.245270797 | 7.170171206 |
| EBNA1BP2 | ENSG00000117395.12 | 8.318075168 | 7.025732662 | 6.793690882 |
| STARD7 | ENSG00000084090.13 | 6.853904021 | 7.723253118 | 7.169476333 |
| CCDC47 | ENSG00000108588.13 | 7.703104892 | 7.162649878 | 7.71079983 |
| ARF5 | ENSG00000004059.10 | 6.868459946 | 6.872881831 | 6.822501295 |
| HNRNPD | ENSG00000138668.18 | 8.503399994 | 7.569902847 | 7.526766445 |
| ST3GAL4 | ENSG00000110080.18 | 7.571536407 | 7.267514504 | 7.11662796 |

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| QARS | ENSG00000172053.17 | 7.588182562 | 7.157848858 | 7.346136029 |
| TTYH3 | ENSG00000136295.14 | 7.091758969 | 10.45347109 | 6.797269707 |
| NELFCD | ENSG00000101158.13 | 7.489931585 | 6.917118463 | 6.796919005 |
| VMP1 | ENSG00000062716.12 | 6.914347467 | 6.936077521 | 6.808456529 |
| ARF4 | ENSG00000168374.10 | 8.199399 | 8.519886242 | 7.441759866 |
| SON | ENSG00000159140.19 | 6.805116445 | 6.984433182 | 7.773125337 |
| HGS | ENSG00000185359.12 | 7.601592515 | 7.350865328 | 7.554022293 |
| UQCRB | ENSG00000156467.9 | 7.163126152 | 6.970204566 | 7.203607143 |
| ZC3H15 | ENSG00000065548.17 | 6.980772574 | 7.231305732 | 6.81386265 |
| LONP1 | ENSG00000196365.11 | 7.654798306 | 6.945222922 | 8.186182219 |
| SARS | ENSG00000031698.12 | 7.746272421 | 7.446787522 | 8.467818343 |
| ARPC1B | ENSG00000130429.12 | 7.388966705 | 9.13601322 | 8.093567795 |
| COPB2 | ENSG00000184432.9 | 7.768850281 | 8.281467908 | 6.79028779 |
| POLDIP2 | ENSG00000004142.11 | 7.996581801 | 7.424787542 | 7.467775246 |
| MTDH | ENSG00000147649.9 | 7.143707152 | 7.110494772 | 6.758773903 |
| LAPTM4A | ENSG00000068697.6 | 7.59030531 | 8.024207017 | 6.793333524 |
| SPG21 | ENSG00000090487.10 | 7.384478685 | 7.546887852 | 6.837190328 |
| PRPF8 | ENSG00000174231.16 | 8.18107067 | 6.752922324 | 7.373120525 |
| AP1S1 | ENSG00000106367.13 | 7.447360777 | 7.999418682 | 7.181655659 |
| HMGB1 | ENSG00000189403.14 | 8.038866726 | 6.924018237 | 6.759515702 |
| ALYREF | ENSG00000183684.7 | 7.951560342 | 7.140243277 | 6.809511535 |
| RCC2 | ENSG00000179051.13 | 8.146962368 | 6.73992408 | 7.047268747 |
| SF3A1 | ENSG00000099995.18 | 7.409605151 | 7.068227321 | 7.204141004 |
| EIF6 | ENSG00000242372.6 | 8.628547132 | 7.117295311 | 7.237516 |
| IMPDH2 | ENSG00000178035.11 | 9.223334229 | 7.509377588 | 6.747141412 |
| DRAP1 | ENSG00000175550.7 | 8.528225948 | 6.945950494 | 7.338772195 |
| ADAR | ENSG00000160710.15 | 7.462741596 | 7.516734657 | 6.765512079 |
| DCBLD2 | ENSG00000057019.15 | 8.279256883 | 7.162471112 | 8.199468085 |
| CAPNS1 | ENSG00000126247.10 | 7.697809298 | 7.776665222 | 7.51377596 |
| NONO | ENSG00000147140.15 | 8.814328602 | 8.083050093 | 8.135952984 |
| NDUFS2 | ENSG00000158864.12 | 8.374395751 | 7.789709672 | 7.465516857 |
| PARP1 | ENSG00000143799.12 | 8.332974931 | 7.002092906 | 6.731797018 |
| SDF4 | ENSG00000078808.16 | 6.724604628 | 7.467211732 | 7.539973081 |
| HIGD2A | ENSG00000146066.2 | 7.436790861 | 7.091594122 | 7.944650586 |
| PTMS | ENSG00000159335.15 | 8.583594649 | 6.748333852 | 7.207175934 |
| HLA-C | ENSG00000204525.16 | 7.406501018 | 6.730361989 | 7.08904688 |
| COPE | ENSG00000105669.13 | 8.154409755 | 7.754862556 | 6.81965143 |
| OST4 | ENSG00000228474.5 | 7.804198525 | 8.166345983 | 6.722916246 |
| H2AFV | ENSG00000105968.18 | 7.090705001 | 6.961866933 | 6.882098493 |
| ATP6V0B | ENSG00000117410.13 | 7.301739654 | 7.565599715 | 6.721061364 |
| TMEM230 | ENSG00000089063.14 | 7.797750825 | 7.780607696 | 6.731982622 |
| HAX1 | ENSG00000143575.14 | 7.659845786 | 7.558799292 | 7.009669275 |
| MRPS15 | ENSG00000116898.11 | 7.155127192 | 7.004515475 | 6.699758639 |
| RHEB | ENSG00000106615.9 | 7.125734666 | 7.545919454 | 8.187008935 |
| MAP2K2 | ENSG00000126934.13 | 7.458452695 | 7.482419864 | 6.82706937 |
| TMCO1 | ENSG00000143183.16 | 8.368838023 | 7.777181321 | 6.786987736 |

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| CORO1C | ENSG00000110880.10 | 6.700044894 | 7.593057058 | 7.227488428 |
| AAMP | ENSG00000127837.9 | 6.82074098 | 6.89850194 | 6.831944799 |
| FKBP8 | ENSG00000105701.15 | 7.926766709 | 7.894221748 | 7.859089195 |
| RPL13AP5 | ENSG00000236552.2 | 8.283874114 | 7.900252865 | 7.2845011 |
| MLEC | ENSG00000110917.7 | 7.083792093 | 7.329762975 | 8.338716171 |
| KHDRBS1 | ENSG00000121774.17 | 7.951014532 | 6.850966959 | 6.805551084 |
| SELENOH | ENSG00000211450.9 | 7.680045347 | 6.702616605 | 7.212719925 |
| PRELID3B | ENSG00000101166.15 | 9.003130097 | 6.813736365 | 7.426629418 |
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| VAMP3 | ENSG00000049245.12 | 6.837873139 | 7.773510896 | 7.41835123 |
| SLC39A6 | ENSG00000141424.12 | 6.769322005 | 9.060707542 | 7.034536959 |
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| SUPT5H | ENSG00000196235.13 | 7.341862523 | 8.219601417 | 7.09611335 |
| ATP6V0E1 | ENSG00000113732.8 | 6.693478138 | 8.055567628 | 7.289596688 |
| ITGB1 | ENSG00000150093.18 | 7.884068486 | 7.975981675 | 7.907366903 |
| PSMC4 | ENSG00000013275.7 | 8.611767604 | 8.089965915 | 6.70110198 |
| SLC38A2 | ENSG00000134294.13 | 8.692022218 | 6.73438146 | 8.537425191 |
| TRIP12 | ENSG00000153827.13 | 6.819105536 | 7.181941429 | 7.062281888 |
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| EIF3A | ENSG00000107581.12 | 8.210885635 | 7.263365108 | 7.66401785 |
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| PSMD6 | ENSG00000163636.10 | 7.890938013 | 7.285252074 | 6.651416385 |
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| AURKAIP1 | ENSG00000175756.13 | 7.742936185 | 7.257068132 | 6.891084942 |
| RER1 | ENSG00000157916.19 | 7.917191127 | 7.805322405 | 7.244142156 |
| DLGAP4 | ENSG00000080845.17 | 6.752393727 | 7.344182284 | 7.590208709 |
| RUVBL2 | ENSG00000183207.13 | 8.479099895 | 7.653178714 | 6.924726838 |
| CSNK2B | ENSG00000204435.13 | 7.019584039 | 7.3617071 | 7.742252652 |
| DPM1 | ENSG00000000419.12 | 8.004095448 | 6.958221862 | 6.764859194 |
| PRDX4 | ENSG00000123131.12 | 7.805664053 | 6.778289716 | 6.84533028 |
| FXYS5 | ENSG00000089327.14 | 8.382052055 | 7.576317126 | 7.710594499 |
| SUCLG1 | ENSG00000163541.11 | 6.651084192 | 7.11735124 | 6.802470809 |
| HLA-E | ENSG00000204592.8 | 6.672593404 | 7.562115253 | 6.730662632 |
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| CDC37 | ENSG00000105401.8 | 8.517930995 | 7.867345034 | 7.215362259 |
| GTF3A | ENSG00000122034.14 | 7.251601847 | 7.198416199 | 7.242020065 |
| CALD1 | ENSG00000122786.19 | 6.651446459 | 8.17199196 | 6.955791226 |
| ATN1 | ENSG00000111676.14 | 7.387651848 | 6.644085676 | 7.127378032 |
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| DNAJC8 | ENSG00000126698.10 | 7.274686777 | 7.62349539 | 6.651308116 |
| EIF1 | ENSG00000173812.10 | 7.859978575 | 7.403266867 | 8.717862526 |
| RPS26 | ENSG00000197728.9 | 8.986477037 | 8.030245892 | 6.719448322 |
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| WWTR1 | ENSG00000018408.14 | 9.210440464 | 7.041267716 | 9.091515207 |
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| TPM3 | ENSG000000143549.19 | 8.436355445 | 8.053976244 | 6.808917595 |
| TSPO | ENSG000000100300.17 | 6.705180541 | 7.946517522 | 7.356843138 |
| MTCH1 | ENSG000000137409.19 | 6.623053727 | 7.565203068 | 7.247327629 |
| H3F3B | ENSG000000132475.10 | 7.565853187 | 6.910544828 | 7.882720776 |
| C19orf53 | ENSG000000104979.8 | 8.278712824 | 7.746886946 | 6.6336135 |
| PSMA4 | ENSG000000041357.15 | 8.141149289 | 7.515311845 | 7.077762471 |
| MRPL37 | ENSG000000116221.15 | 7.276480339 | 7.324473476 | 6.838422129 |
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| ARHGEF2 | ENSG000000116584.17 | 8.045275993 | 7.144517693 | 8.342719338 |
| SDHA | ENSG000000073578.16 | 6.632041251 | 7.239323041 | 7.627742652 |
| PTPN11 | ENSG000000179295.17 | 7.378895296 | 6.859080766 | 6.660654938 |
| RAB13 | ENSG000000143545.8 | 8.237868337 | 7.909548508 | 6.648675936 |
| ATP5E | ENSG000000124172.9 | 7.569706638 | 6.598893987 | 7.071075419 |
| PICALM | ENSG000000073921.17 | 7.029071553 | 6.690718174 | 7.201550907 |
| STMN1 | ENSG000000117632.22 | 8.096975215 | 6.892471455 | 6.908126691 |
| MAZ | ENSG000000103495.13 | 7.907153236 | 6.817986721 | 6.927704979 |
| UBA2 | ENSG000000126261.12 | 7.829577632 | 7.127108932 | 7.624731092 |
| SSR4 | ENSG000000180879.13 | 7.190511558 | 7.991547903 | 7.025413741 |
| ADIPOR1 | ENSG000000159346.12 | 7.845147141 | 7.543572565 | 7.35276046 |
| ERP29 | ENSG000000089248.6 | 7.57657572 | 8.189870133 | 6.642013936 |
| PABPC4 | ENSG000000090621.13 | 8.109749455 | 7.696579711 | 7.452185666 |
| PPP1CC | ENSG000000186298.11 | 8.001383938 | 7.422276661 | 6.707353837 |
| GABARAP | ENSG000000170296.9 | 7.712483407 | 6.784227627 | 7.074542709 |
| UBE2M | ENSG000000130725.7 | 8.228816987 | 7.640420257 | 7.569015425 |
| B2M | ENSG000000166710.17 | 8.05668543 | 8.1806868 | 8.654775173 |
| TMED4 | ENSG000000158604.14 | 6.844254184 | 7.341732836 | 6.985897761 |
| SUMO3 | ENSG000000184900.15 | 6.591441357 | 6.742326337 | 6.816913749 |
| MRPL33 | ENSG000000243147.7 | 7.754896291 | 7.317858302 | 6.685875772 |
| BAX | ENSG000000087088.19 | 7.246268053 | 8.759265641 | 7.105553069 |
| TOMM22 | ENSG000000100216.5 | 7.253950184 | 6.778533318 | 6.696388352 |
| ERGIC1 | ENSG000000113719.15 | 7.555159001 | 7.172286005 | 6.579257212 |
| NDUFS8 | ENSG000000110717.12 | 7.153007979 | 6.820914405 | 7.23941724 |
| UBE2D3 | ENSG000000109332.19 | 7.376427668 | 6.606242004 | 7.214958695 |
| UBE2C | ENSG000000175063.16 | 8.053167122 | 6.655767543 | 6.647856578 |
| MAP7D1 | ENSG000000116871.15 | 7.877140766 | 7.20643403 | 6.610871878 |
| GOT2 | ENSG000000125166.12 | 7.869652652 | 6.575903728 | 7.216491838 |
| NDUFV1 | ENSG000000167792.11 | 7.196848972 | 7.033055068 | 7.328580732 |
| ETV5 | ENSG000000244405.7 | 6.60038085 | 7.147062705 | 9.371095009 |
| NPC2 | ENSG000000119655.10 | 6.741815636 | 7.055863561 | 6.994782628 |
| TOP1 | ENSG000000198900.5 | 8.534148327 | 6.587346247 | 7.078203503 |
| IK | ENSG000000113141.17 | 7.884852866 | 6.563345535 | 6.873127626 |
| PRRC2A | ENSG000000204469.12 | 7.272266321 | 7.235659327 | 7.414533947 |
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| SSR2 | ENSG00000163479.13 | 8.618103938 | 7.602296101 | 6.573448796 |
| CD151 | ENSG00000177697.17 | 6.984452826 | 6.917550567 | 6.755552562 |
| CKS2 | ENSG00000123975.4 | 8.560270131 | 8.312012475 | 6.550064545 |
| TOMM20 | ENSG00000173726.10 | 8.444011112 | 6.539907226 | 7.521567522 |
| CCDC124 | ENSG00000007080.10 | 7.986757073 | 7.74756118 | 6.735873032 |
| KARS | ENSG00000065427.14 | 8.367091861 | 7.222707188 | 7.376126993 |
| DHX9 | ENSG00000135829.16 | 8.556954779 | 7.478001694 | 6.620250097 |
| RAD23B | ENSG00000119318.12 | 7.754437613 | 7.784439536 | 7.170865358 |
| POLD2 | ENSG00000106628.10 | 6.767480184 | 7.106649584 | 6.677017821 |
| IARS2 | ENSG00000067704.9 | 7.745949008 | 6.523202059 | 7.244180454 |
| NDUFA4 | ENSG00000189043.9 | 6.763321823 | 7.401832657 | 7.194957798 |
| ASNA1 | ENSG00000198356.11 | 7.318875245 | 7.105691728 | 6.63868602 |
| KTN1 | ENSG00000126777.17 | 7.336574864 | 7.391598505 | 7.426143474 |
| MAP4 | ENSG00000047849.21 | 6.57087523 | 7.419844156 | 7.087498162 |
| DARS | ENSG00000115866.10 | 6.562231773 | 6.92916742 | 6.823703729 |
| NAP1L4 | ENSG00000205531.12 | 6.633200375 | 7.341093424 | 7.923751597 |
| MARS | ENSG00000166986.14 | 8.245395118 | 7.235521578 | 7.988327769 |
| CNN3 | ENSG00000117519.15 | 7.495242508 | 7.148970101 | 6.532885665 |
| MRPL24 | ENSG00000143314.12 | 8.01526909 | 7.836652929 | 6.675205027 |
| FAM168B | ENSG00000152102.17 | 6.526806534 | 6.894229677 | 7.295638445 |
| CYC1 | ENSG00000179091.4 | 7.543047013 | 7.515784882 | 6.647529234 |
| SYPL1 | ENSG00000008282.8 | 6.531179213 | 7.099534642 | 6.61248143 |
| SMG5 | ENSG00000198952.8 | 6.810485124 | 6.993860667 | 6.739869741 |
| GNB2 | ENSG00000172354.9 | 7.517772202 | 8.109605165 | 6.516192011 |
| GART | ENSG00000159131.16 | 7.407376347 | 6.87947913 | 6.890003792 |
| EIF3H | ENSG00000147677.10 | 7.699672005 | 6.866576662 | 7.585672555 |
| MYH9 | ENSG00000100345.20 | 7.029191468 | 8.275092402 | 8.203782985 |
| MRPL15 | ENSG00000137547.8 | 7.081983542 | 6.747728258 | 7.010995001 |
| CIAO1 | ENSG00000144021.2 | 6.869404417 | 7.053280211 | 6.68309384 |
| INPPL1 | ENSG00000165458.13 | 6.604163759 | 7.12235137 | 7.275044264 |
| SRSF10 | ENSG00000188529.14 | 7.120507048 | 6.561193646 | 6.622855116 |
| KDEL2 | ENSG00000136240.9 | 7.456740773 | 8.614792322 | 6.528389393 |
| KIF5B | ENSG00000170759.10 | 7.247718675 | 6.504276267 | 6.821954368 |
| DNAJC7 | ENSG00000168259.14 | 7.593211497 | 7.195828645 | 6.961135612 |
| HDGF | ENSG00000143321.18 | 9.59722446 | 8.370399832 | 6.509951985 |
| MFN2 | ENSG00000116688.16 | 7.003496176 | 6.876981063 | 6.94274535 |
| TMEM14B | ENSG00000137210.13 | 7.010644037 | 6.602660994 | 7.092370893 |
| YBX3 | ENSG00000060138.12 | 8.062536052 | 7.013673673 | 9.033641699 |
| NDUFB11 | ENSG00000147123.10 | 7.230374748 | 6.728099917 | 6.522598444 |
| CHMP2A | ENSG00000130724.8 | 7.327717441 | 7.315865708 | 7.173202825 |
| MRPL20 | ENSG00000242485.5 | 7.970966737 | 7.068485362 | 6.708787293 |
| ANAPC5 | ENSG00000089053.12 | 7.671345737 | 7.426407093 | 7.406009215 |
| CORO1B | ENSG00000172725.13 | 7.125201201 | 6.994874742 | 7.031006381 |
| GIPC1 | ENSG00000123159.15 | 7.273434007 | 7.904422834 | 6.85193485 |
| SLC25A39 | ENSG00000013306.15 | 6.707814259 | 7.509537067 | 7.864409412 |
| TFRC | ENSG00000072274.12 | 7.239777256 | 7.648552788 | 10.32199406 |

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| PUF60 | ENSG00000179950.13 | 7.800682378 | 7.019857876 | 6.58574772 |
| SBDS | ENSG00000126524.9 | 7.071291908 | 7.137193774 | 6.497081976 |
| FBL | ENSG00000105202.8 | 8.151170486 | 7.470071205 | 6.607164562 |
| NDUFA1 | ENSG00000125356.6 | 7.250911442 | 7.383874249 | 7.750223059 |
| BUD23 | ENSG00000071462.11 | 6.924197046 | 7.34813759 | 6.508673752 |
| HMG2N2 | ENSG00000198830.10 | 9.108103623 | 7.143497732 | 6.685416469 |
| EI24 | ENSG00000149547.14 | 8.055145172 | 6.680954481 | 7.25415603 |
| PPP1R14B | ENSG00000173457.10 | 7.984525393 | 7.456900653 | 6.777197108 |
| PCNA | ENSG00000132646.10 | 8.835551428 | 8.104511406 | 6.576601479 |
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| MACF1 | ENSG00000127603.24 | 6.613649007 | 6.714776568 | 7.350260301 |
| PDZD11 | ENSG00000120509.10 | 6.639998555 | 6.898963768 | 6.489699055 |
| RDX | ENSG00000137710.14 | 6.508819184 | 6.664761586 | 7.209572368 |
| FKBP2 | ENSG00000173486.12 | 6.786921611 | 6.505419742 | 6.692976504 |
| ATOX1 | ENSG00000177556.11 | 8.53390346 | 9.37199328 | 9.277479066 |
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| MEA1 | ENSG00000124733.3 | 6.893486674 | 6.495293222 | 6.875459155 |
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| TUBB4B | ENSG00000188229.5 | 9.778687117 | 9.137157438 | 6.542470675 |
| CNOT1 | ENSG00000125107.17 | 7.042417099 | 6.489995939 | 7.167765754 |
| SEC61G | ENSG00000132432.13 | 7.796246233 | 8.501743797 | 6.749464567 |
| LAMTOR5 | ENSG00000134248.13 | 7.01242721 | 6.876778871 | 6.559206161 |
| MCFD2 | ENSG00000180398.11 | 6.786211053 | 7.181759279 | 6.480286748 |
| TIMM50 | ENSG00000105197.10 | 7.009364941 | 8.505374196 | 6.83936385 |
| PHC2 | ENSG00000134686.18 | 8.582806823 | 6.584729538 | 7.491404743 |
| DSTN | ENSG00000125868.15 | 8.544915962 | 7.378023343 | 7.202759022 |
| HNRNPDL | ENSG00000152795.17 | 7.613548459 | 6.989339717 | 7.05731333 |
| BTBD1 | ENSG00000064726.9 | 6.52827476 | 6.818784659 | 6.776827753 |
| DNAJB11 | ENSG00000090520.11 | 6.600637116 | 7.565718799 | 6.565330729 |
| TIMP2 | ENSG00000035862.12 | 6.856792877 | 9.15659949 | 9.327758423 |
| CDK16 | ENSG00000102225.15 | 7.002165581 | 7.216838566 | 6.955676406 |
| REPIN1 | ENSG00000214022.11 | 6.523833626 | 7.471749174 | 7.365693105 |
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| POLR2B | ENSG00000047315.15 | 7.669574047 | 6.536232431 | 6.475296512 |
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| RAB1A | ENSG00000138069.16 | 6.679997778 | 7.701018152 | 6.831817198 |
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| OAT | ENSG00000065154.11 | 7.980743264 | 7.05308595 | 6.464539105 |
| TRPC4AP | ENSG00000100991.11 | 6.488280664 | 6.636731594 | 7.122494218 |
| TRMT112 | ENSG00000173113.6 | 8.072770404 | 6.475789459 | 6.653591004 |
| RBMX | ENSG00000147274.14 | 7.835640001 | 6.885045292 | 7.04558769 |
| SAMM50 | ENSG00000100347.14 | 6.78841397 | 7.628813809 | 7.242391402 |
| CLSTN1 | ENSG00000171603.16 | 6.845235303 | 7.636248676 | 6.814391569 |
| PRDX2 | ENSG00000167815.11 | 8.123065401 | 6.546078731 | 7.561853292 |
| DAZAP1 | ENSG00000071626.16 | 7.418248086 | 6.878122958 | 6.440634445 |
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| ILF3 | ENSG00000129351.17 | 8.967780111 | 7.435378388 | 6.766275872 |
| C11orf58 | ENSG00000110696.9 | 6.588837353 | 7.25094492 | 7.351333152 |
| TMEM123 | ENSG00000152558.14 | 7.43426274 | 6.418113501 | 7.640248248 |
| YARS | ENSG00000134684.10 | 7.669653459 | 6.927216653 | 7.418667101 |
| ARL6IP5 | ENSG00000144746.6 | 6.733031462 | 7.194632722 | 6.490346263 |
| COPRS | ENSG00000172301.10 | 6.559820148 | 6.983342317 | 7.027049664 |
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| PTPN1 | ENSG00000196396.9 | 6.603036762 | 7.02781042 | 6.883016739 |
| CHPF | ENSG00000123989.13 | 6.675041256 | 7.341198589 | 6.514628914 |
| CLTA | ENSG00000122705.16 | 8.597328941 | 7.718141757 | 7.214245991 |
| XPO1 | ENSG00000082898.16 | 7.651317116 | 7.697359756 | 6.529828122 |
| GSS | ENSG00000100983.9 | 7.066794055 | 6.432474698 | 7.370466752 |
| UTP18 | ENSG00000011260.13 | 6.864903071 | 6.553402986 | 7.060438641 |
| MCCC2 | ENSG00000131844.15 | 7.728317727 | 6.501936038 | 6.707924408 |
| STT3A | ENSG00000134910.12 | 7.198635259 | 6.440902524 | 7.102602345 |
| LMAN1 | ENSG00000074695.5 | 6.479417748 | 7.911422261 | 6.405892948 |
| PSMA3 | ENSG00000100567.12 | 7.424186965 | 6.682481408 | 6.411780508 |
| PSMD13 | ENSG00000185627.17 | 7.316243585 | 6.994145877 | 6.698786591 |
| EPRS | ENSG00000136628.17 | 7.967579138 | 6.398881772 | 6.924469252 |
| POLR2K | ENSG00000147669.10 | 7.386915974 | 6.83811256 | 6.451970957 |
| LUC7L2 | ENSG00000146963.17 | 6.896857507 | 6.557167997 | 6.742420715 |
| PGD | ENSG00000142657.20 | 7.770966266 | 6.532249501 | 6.964653892 |
| PHLDA2 | ENSG00000181649.5 | 6.693022845 | 7.830363536 | 6.786161737 |
| HK1 | ENSG00000156515.21 | 7.455981589 | 6.585129543 | 7.693239062 |
| NOP58 | ENSG00000055044.10 | 7.265233292 | 7.038649813 | 6.422158599 |
| TMED10 | ENSG00000170348.8 | 6.759983889 | 6.856585342 | 7.976847835 |
| ESD | ENSG00000139684.13 | 7.495722805 | 6.664114756 | 6.862376043 |
| UQCR11 | ENSG00000127540.11 | 6.47511494 | 6.73206104 | 7.155225868 |
| EIF5B | ENSG00000158417.10 | 6.728869042 | 7.111827409 | 6.382210585 |
| SDHD | ENSG00000204370.9 | 7.391484181 | 6.767685974 | 7.525315913 |
| TMEM147 | ENSG00000105677.11 | 7.026243723 | 7.689820855 | 6.956604389 |
| RARS | ENSG00000113643.8 | 7.922002323 | 6.962950784 | 6.369420131 |
| SEPT2 | ENSG00000168385.17 | 6.390621515 | 7.300674105 | 6.480834933 |
| NCOA4 | ENSG00000266412.5 | 6.918284982 | 6.405630734 | 7.046021184 |
| RNPS1 | ENSG00000205937.11 | 7.652052805 | 6.528932859 | 6.91914362 |
| IMMT | ENSG00000132305.20 | 7.575574376 | 6.649147929 | 6.580867861 |
| MATR3 | ENSG00000015479.18 | 7.018601822 | 6.844542965 | 6.561844391 |
| MCL1 | ENSG00000143384.12 | 8.338388964 | 7.17108427 | 6.387079998 |
| DYNC1LI2 | ENSG00000135720.12 | 6.462639316 | 7.067569135 | 7.28817399 |
| RBBP7 | ENSG00000102054.17 | 7.586719941 | 6.452882524 | 7.016629218 |
| SNRPD3 | ENSG00000100028.11 | 6.975990832 | 7.018098263 | 6.442389123 |
| GNS | ENSG00000135677.10 | 6.379312585 | 7.146417059 | 6.651819423 |
| DPP7 | ENSG00000176978.13 | 6.634378417 | 8.352049767 | 8.000110037 |
| NFE2L1 | ENSG00000082641.15 | 6.513821233 | 6.772776306 | 7.385947087 |
| DTYMK | ENSG00000168393.12 | 6.682642171 | 6.624906914 | 6.482802193 |
| PPA1 | ENSG00000180817.11 | 7.539368323 | 6.929563447 | 6.401261382 |

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| ZYX | ENSG00000159840.15 | 7.116670032 | 7.351738302 | 7.34377398 |
| IVNS1ABP | ENSG00000116679.15 | 6.560893529 | 8.962347612 | 8.055561845 |
| RSL24D1 | ENSG00000137876.9 | 7.825848778 | 6.763177076 | 7.658968546 |
| DDX21 | ENSG00000165732.12 | 8.216478968 | 6.424941725 | 6.452256787 |
| NRDC | ENSG00000078618.21 | 7.528986454 | 6.980530669 | 6.503413567 |
| GPS1 | ENSG00000169727.12 | 7.317087191 | 6.806055393 | 6.960643818 |
| IPO5 | ENSG00000065150.18 | 7.967284056 | 7.448067531 | 6.406347251 |
| AGAP3 | ENSG00000133612.18 | 6.399451951 | 7.680128806 | 7.576838077 |
| TBRG4 | ENSG00000136270.13 | 6.927989657 | 7.278641529 | 6.395088451 |
| LAP3 | ENSG00000002549.12 | 6.819545331 | 6.381402986 | 8.477816677 |
| PRKDC | ENSG00000253729.7 | 7.82729435 | 7.062397041 | 6.412630887 |
| PSMB6 | ENSG00000142507.9 | 7.485753068 | 6.3761437 | 6.479501581 |
| FGD5-AS1 | ENSG00000225733.5 | 6.9978607 | 6.70240435 | 6.443065431 |
| HIF1A | ENSG00000100644.16 | 7.939165731 | 7.857168681 | 6.491841514 |
| AZIN1 | ENSG00000155096.13 | 7.278826905 | 6.473012854 | 7.213834837 |
| DLD | ENSG00000091140.13 | 6.67574868 | 6.999390374 | 6.732217466 |
| CAST | ENSG00000153113.23 | 7.174053092 | 6.833357068 | 7.895976091 |
| ARPC4 | ENSG00000241553.12 | 7.335845237 | 7.33478149 | 6.889307193 |
| TPD52L2 | ENSG00000101150.17 | 7.294383767 | 7.193803008 | 7.105387768 |
| LRPPRC | ENSG00000138095.18 | 6.772479796 | 6.944439049 | 6.325584569 |
| ZFP91 | ENSG00000186660.14 | 7.025641623 | 6.746561103 | 6.832824021 |
| SNX17 | ENSG00000115234.10 | 6.711238172 | 7.11222947 | 6.338916558 |
| ABCF1 | ENSG00000204574.12 | 7.031855307 | 6.383318173 | 6.450340746 |
| DEK | ENSG00000124795.14 | 7.44004338 | 6.622601574 | 6.935265816 |
| MT2A | ENSG00000125148.6 | 8.666111862 | 7.637444462 | 7.909463153 |
| TNPO3 | ENSG00000064419.13 | 6.36375153 | 7.087204908 | 6.714008882 |
| ENSA | ENSG00000143420.18 | 7.526247831 | 6.532756975 | 6.583120279 |
| NDUFA8 | ENSG00000119421.6 | 6.933145823 | 8.16004197 | 7.862971242 |
| CAPN1 | ENSG00000014216.15 | 6.31878072 | 6.87517666 | 7.166006799 |
| DENR | ENSG00000139726.10 | 7.154766343 | 6.641118132 | 7.740918084 |
| CHID1 | ENSG00000177830.17 | 6.378519836 | 6.632072356 | 6.489653993 |
| LRRFIP1 | ENSG00000124831.18 | 6.353861367 | 7.113094327 | 6.969374791 |
| H3F3A | ENSG00000163041.9 | 8.629722051 | 6.502353331 | 7.011398554 |
| WSB2 | ENSG00000176871.8 | 6.900085497 | 6.358862227 | 7.064087568 |
| CSNK1D | ENSG00000141551.14 | 6.816938557 | 6.940008006 | 7.229210511 |
| SAFB | ENSG00000160633.12 | 6.787163635 | 6.341893277 | 6.463135338 |
| KRTCAP2 | ENSG00000163463.11 | 7.167814847 | 6.936095021 | 6.410764418 |
| PRPF6 | ENSG00000101161.7 | 7.156306492 | 6.351893114 | 7.493482633 |
| HNRNPUL2 | ENSG00000214753.2 | 7.42783878 | 6.311957647 | 7.095154646 |
| SGTA | ENSG00000104969.9 | 6.679576988 | 6.885161886 | 6.535075228 |
| SSBP4 | ENSG00000130511.15 | 7.352246886 | 6.312079995 | 6.799021267 |
| TPX2 | ENSG00000088325.15 | 7.756907881 | 6.580771415 | 6.394842305 |
| GPAA1 | ENSG00000197858.10 | 7.557387245 | 6.897556461 | 6.471873332 |
| C6orf48 | ENSG00000204387.12 | 6.424960376 | 6.690557157 | 7.876638119 |
| SPCS1 | ENSG00000114902.13 | 7.752304436 | 7.195662837 | 6.388054114 |
| HNRNPR | ENSG00000125944.19 | 8.088114734 | 6.902107679 | 7.156731301 |

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| ATG3 | ENSG00000144848.10 | 6.478963289 | 6.442312529 | 6.352717299 |
| CLPTM1L | ENSG00000049656.13 | 7.558795946 | 6.924418296 | 6.793964303 |
| GRINA | ENSG00000178719.16 | 6.637285492 | 7.697498953 | 7.110777569 |
| CLPTM1 | ENSG00000104853.15 | 6.921487481 | 6.496138114 | 7.656703223 |
| G3BP2 | ENSG00000138757.14 | 6.445279846 | 8.379317751 | 7.037079156 |
| LY6E | ENSG00000160932.10 | 7.706640112 | 7.941301593 | 7.893819453 |
| FUBP1 | ENSG00000162613.16 | 7.624275864 | 6.369568944 | 6.675577201 |
| KIAA0100 | ENSG00000007202.14 | 7.039626697 | 7.054934259 | 7.175525553 |
| NIPA2 | ENSG00000140157.14 | 6.638484382 | 6.957521536 | 7.020005336 |
| EFTUD2 | ENSG00000108883.12 | 7.157818134 | 6.892665793 | 6.497174556 |
| AATF | ENSG00000275700.4 | 7.46732068 | 6.623958369 | 7.511494668 |
| SNRPG | ENSG00000143977.13 | 8.603603707 | 7.75116353 | 6.333339784 |
| SERINC1 | ENSG00000111897.6 | 6.624686191 | 7.00373796 | 6.967298686 |
| PSMB2 | ENSG00000126067.11 | 7.740719958 | 6.94155854 | 6.552412314 |
| VARS | ENSG00000204394.12 | 7.268662088 | 7.048565768 | 6.743647867 |
| MTA2 | ENSG00000149480.6 | 7.419618719 | 6.480200128 | 6.318923773 |
| CNPY2 | ENSG00000257727.5 | 7.697945597 | 7.094268735 | 6.29257895 |
| UQCRC2 | ENSG00000140740.10 | 7.051897891 | 7.278037089 | 7.693718047 |
| ATP5G2 | ENSG00000135390.17 | 8.27737235 | 7.60617013 | 7.623318241 |
| COPS6 | ENSG00000168090.9 | 7.188029021 | 7.343595874 | 6.478842333 |
| H1FO | ENSG00000189060.5 | 8.496477475 | 7.008865756 | 6.39333761 |
| ACADVL | ENSG00000072778.19 | 8.281844655 | 6.695033074 | 7.642066242 |
| LUC7L3 | ENSG00000108848.15 | 6.864236805 | 6.524134498 | 6.728766299 |
| ITM2C | ENSG00000135916.15 | 6.287861791 | 7.743741496 | 6.795951324 |
| MCM3AP | ENSG00000160294.10 | 6.440776402 | 6.507615924 | 6.73465006 |
| SF3B4 | ENSG00000143368.9 | 8.074692741 | 7.576837698 | 6.326680591 |
| AARS | ENSG00000090861.15 | 8.098378488 | 7.203209992 | 8.85638431 |
| PPP3R1 | ENSG00000221823.10 | 6.627873905 | 6.529631753 | 6.28311412 |
| PGM1 | ENSG00000079739.15 | 6.295828966 | 6.73716351 | 6.337959016 |
| C6orf62 | ENSG00000112308.12 | 6.861581232 | 6.7642592 | 7.063577571 |
| UBE2L3 | ENSG00000185651.14 | 6.27238069 | 6.768832304 | 6.532808546 |
| USF2 | ENSG00000105698.15 | 7.635920882 | 8.015339189 | 7.675393109 |
| TCEA1 | ENSG00000187735.13 | 6.806619475 | 6.275931296 | 7.855440577 |
| VKORC1 | ENSG00000167397.14 | 7.523451225 | 6.631326156 | 6.284725715 |
| ARF3 | ENSG00000134287.9 | 7.412802918 | 6.908961029 | 6.925784156 |
| MKRN1 | ENSG00000133606.10 | 6.478655089 | 6.807692339 | 6.546091376 |
| GLUD1 | ENSG00000148672.8 | 7.405737109 | 6.416322724 | 6.844753121 |
| SLIRP | ENSG00000119705.9 | 7.475467972 | 6.338760451 | 6.493978808 |
| VEGFB | ENSG00000173511.9 | 6.336129576 | 7.008770536 | 7.293671687 |
| EMC4 | ENSG00000128463.12 | 7.414325463 | 7.250495263 | 6.817032148 |
| NOL7 | ENSG00000225921.6 | 6.896650265 | 6.786214177 | 7.043579975 |
| VPS25 | ENSG00000131475.6 | 7.333814515 | 6.62508563 | 6.557735646 |
| PPP2CA | ENSG00000113575.9 | 6.97094898 | 6.243989763 | 6.411176233 |
| IGF2BP2 | ENSG00000073792.15 | 6.773690199 | 6.760700604 | 7.691165528 |
| ABCF2 | ENSG00000033050.7 | 6.910834242 | 7.064700302 | 6.300976755 |
| PRRC2C | ENSG00000117523.15 | 7.376864137 | 6.641835138 | 6.314348238 |

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| RBCK1 | ENSG00000125826.20 | 6.42190081 | 6.544920885 | 6.289739238 |
| ATPIF1 | ENSG00000130770.17 | 7.455402684 | 6.677656218 | 6.25157981 |
| ADIPOR2 | ENSG00000006831.9 | 6.72443835 | 6.434141436 | 7.876559233 |
| COA3 | ENSG00000183978.7 | 6.897215671 | 7.049019668 | 7.052459205 |
| HMGA1 | ENSG00000137309.19 | 9.023282969 | 6.316233696 | 7.487403912 |
| DNM2 | ENSG00000079805.16 | 7.204134251 | 6.310117015 | 6.427499554 |
| DCTN1 | ENSG00000204843.12 | 6.473333681 | 6.98330348 | 6.225179301 |
| DYNC1H1 | ENSG00000197102.10 | 6.861415482 | 7.238409428 | 6.272023468 |
| U2SURP | ENSG00000163714.17 | 7.197070604 | 6.482298225 | 6.635065993 |
| UBE3C | ENSG00000009335.17 | 6.225550527 | 6.750661156 | 6.425592722 |
| NEDD8 | ENSG00000129559.12 | 6.917093246 | 6.285405534 | 6.295397482 |
| PYGB | ENSG00000100994.11 | 9.479629007 | 8.18077698 | 6.246466482 |
| HSD17B4 | ENSG00000133835.14 | 7.38741682 | 6.509269825 | 6.655183683 |
| PTTG1IP | ENSG00000183255.11 | 6.855372748 | 7.651042678 | 8.721793835 |
| FAM50A | ENSG00000071859.14 | 6.877134545 | 7.107447776 | 6.907807957 |
| MARCKSL1 | ENSG00000175130.6 | 8.814243993 | 8.051582124 | 8.389243102 |
| STOML2 | ENSG00000165283.15 | 8.485564017 | 6.657258084 | 6.33058296 |
| ILK | ENSG00000166333.13 | 6.525140025 | 7.27812366 | 7.447343435 |
| TM7SF3 | ENSG00000064115.10 | 6.561350453 | 7.294778407 | 7.660262193 |
| PSMB5 | ENSG00000100804.18 | 7.232221965 | 6.891185807 | 6.494061344 |
| CTSZ | ENSG00000101160.13 | 9.515995316 | 9.849548322 | 6.256933001 |
| SF3B5 | ENSG00000169976.6 | 7.075106131 | 6.938341581 | 6.584077189 |
| SLC20A1 | ENSG00000144136.10 | 8.471350315 | 8.184520044 | 8.237427501 |
| RAD23A | ENSG00000179262.9 | 7.784614401 | 7.002573678 | 7.527819888 |
| RNF181 | ENSG00000168894.9 | 6.670241562 | 6.79494012 | 6.252320704 |
| SMARCA4 | ENSG00000127616.17 | 7.589601047 | 6.324585032 | 6.721725454 |
| MMP14 | ENSG00000157227.12 | 6.296411121 | 9.206284651 | 8.075448612 |
| SRSF3 | ENSG00000112081.16 | 7.198303818 | 6.463780611 | 6.785356996 |
| FAM3C | ENSG00000196937.10 | 7.465459964 | 6.658026491 | 6.240637758 |
| SELENON | ENSG00000162430.16 | 7.645685172 | 7.603600894 | 6.983983657 |
| SUPT6H | ENSG00000109111.14 | 6.851554069 | 6.953398796 | 6.761219519 |
| ESYT1 | ENSG00000139641.12 | 7.150737588 | 6.584925844 | 6.915743499 |
| GLS | ENSG00000115419.12 | 6.199067768 | 6.748194233 | 7.700700166 |
| HAT1 | ENSG00000128708.12 | 6.489676287 | 6.573938107 | 6.795821539 |
| GFM1 | ENSG00000168827.14 | 6.482320023 | 6.224962191 | 6.436687352 |
| CPNE1 | ENSG00000214078.12 | 6.250099175 | 6.594987136 | 6.312148703 |
| MKKS | ENSG00000125863.18 | 7.277136268 | 7.418766636 | 6.263884316 |
| HMG20B | ENSG00000064961.18 | 7.610216494 | 8.453740408 | 8.914177797 |
| PMPCB | ENSG00000105819.13 | 6.868354325 | 6.7479583 | 6.493497961 |
| PLS3 | ENSG00000102024.17 | 6.228706822 | 7.601387492 | 6.456965318 |
| ARPP19 | ENSG00000128989.10 | 7.023622387 | 6.433556114 | 6.805411034 |
| ATRAID | ENSG00000138085.16 | 7.145210794 | 7.131178661 | 6.20656067 |
| AP3D1 | ENSG00000065000.15 | 6.423563146 | 7.513377181 | 7.244240467 |
| VDAC2 | ENSG00000165637.13 | 6.998602016 | 6.845548625 | 7.722467893 |
| POLR2G | ENSG00000168002.11 | 7.481128773 | 6.26167905 | 6.871813359 |
| SRP72 | ENSG00000174780.15 | 7.518292153 | 6.354369404 | 6.493140175 |

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| MGAT1 | ENSG00000131446.16 | 6.176843623 | 6.308925974 | 7.381125057 |
| CBX1 | ENSG00000108468.14 | 6.925143554 | 6.227851665 | 6.860283558 |
| TPP1 | ENSG00000166340.15 | 6.175981803 | 8.361939097 | 8.129603458 |
| PDCD5 | ENSG00000105185.11 | 7.531735237 | 6.638959713 | 6.207961031 |
| NCOR2 | ENSG00000196498.13 | 6.701889553 | 6.342919345 | 7.968224699 |
| RRP36 | ENSG00000124541.6 | 7.076951554 | 6.785290132 | 6.323692584 |
| CDC16 | ENSG00000130177.14 | 6.751230273 | 7.624123884 | 8.060053629 |
| THRAP3 | ENSG00000054118.13 | 7.454823549 | 6.71978238 | 6.251468353 |
| DDX39A | ENSG00000123136.14 | 7.7340822 | 7.023959258 | 6.306799374 |
| CTBP1 | ENSG00000159692.15 | 7.335405182 | 6.320354509 | 7.895408736 |
| CKAP5 | ENSG00000175216.14 | 7.05089408 | 6.421277936 | 6.679807326 |
| MRPS34 | ENSG00000074071.14 | 7.310174651 | 6.691119675 | 6.646107787 |
| MRPS18A | ENSG00000096080.11 | 6.399672153 | 6.237089972 | 6.292761833 |
| MRPS18B | ENSG00000204568.11 | 6.806555793 | 6.188355962 | 6.881868613 |
| SEPHS2 | ENSG00000179918.18 | 7.188990173 | 6.180594231 | 7.82811691 |
| MZT2B | ENSG00000152082.13 | 6.235611522 | 6.613481446 | 6.279084317 |
| LAMTOR4 | ENSG00000188186.10 | 6.437387751 | 7.40220124 | 6.293912128 |
| FKBP4 | ENSG00000004478.7 | 7.313675613 | 6.541474163 | 7.71892545 |
| ECHS1 | ENSG00000127884.4 | 7.466771042 | 6.562311789 | 6.186534551 |
| WBP2 | ENSG00000132471.11 | 6.4023373 | 7.866462761 | 8.692259284 |
| TOP2A | ENSG00000131747.14 | 7.956827829 | 7.137985174 | 6.272075097 |
| NAMPT | ENSG00000105835.11 | 6.186186212 | 7.045261858 | 7.46022402 |
| SLC1A5 | ENSG00000105281.12 | 8.395005419 | 6.806843298 | 11.44536568 |
| PTP4A1 | ENSG00000112245.10 | 7.742993289 | 8.99030886 | 8.362551138 |
| MT-TV | ENSG00000210077.1 | 6.62251886 | 7.284497706 | 6.322766738 |
| SNF8 | ENSG00000159210.9 | 6.687978463 | 6.944604229 | 6.25735843 |
| FAM96A | ENSG00000166797.10 | 7.084588222 | 6.615139376 | 6.234154925 |
| IMPDH1 | ENSG00000106348.16 | 6.333488673 | 7.183049315 | 6.21386405 |
| TMEM248 | ENSG00000106609.16 | 6.213346799 | 7.084679391 | 6.363475501 |
| SRSF11 | ENSG00000116754.13 | 6.880293876 | 6.360526192 | 6.172837662 |
| LTBR | ENSG00000111321.10 | 6.925784932 | 7.013946664 | 7.375148557 |
| SNRPE | ENSG00000182004.12 | 8.640579085 | 6.795735284 | 6.268525025 |
| ESYT2 | ENSG00000117868.15 | 6.282138855 | 6.789450244 | 7.788005171 |
| MMP24-AS1 | ENSG00000126005.16 | 6.206055868 | 7.107186541 | 7.163169854 |
| G6PD | ENSG00000160211.15 | 7.057137639 | 6.380440223 | 6.467929873 |
| AHCYL1 | ENSG00000168710.17 | 6.526749295 | 7.953697315 | 6.44215134 |
| MRPL3 | ENSG00000114686.8 | 7.329512201 | 6.690196662 | 6.636356288 |
| C7orf50 | ENSG00000146540.14 | 6.228489436 | 6.761738842 | 6.669551043 |
| USP5 | ENSG00000111667.13 | 7.045166636 | 6.154544427 | 6.22467722 |
| UBXN4 | ENSG00000144224.16 | 6.236185663 | 6.649762874 | 6.897356749 |
| RAB10 | ENSG00000084733.10 | 7.035543611 | 7.062208725 | 6.137834947 |
| OGDH | ENSG00000105953.14 | 6.432387033 | 6.641796259 | 6.785363447 |
| HSD17B10 | ENSG00000072506.12 | 7.865963456 | 7.513039841 | 6.199760039 |
| STARD3NL | ENSG00000010270.13 | 6.195032419 | 7.316597829 | 6.156458028 |
| FAM120A | ENSG00000048828.16 | 7.393250944 | 7.707946491 | 6.153070183 |
| EXT2 | ENSG00000151348.13 | 6.918054875 | 6.591484975 | 6.521534111 |

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| DNAJB6 | ENSG00000105993.14 | 6.86657711 | 6.456864811 | 6.616356315 |
| ATP5G1 | ENSG00000159199.13 | 7.265605151 | 7.518388176 | 6.183275696 |
| TMEM14C | ENSG00000111843.13 | 7.009328033 | 6.162083488 | 6.791600885 |
| PYURF | ENSG00000145337.4 | 6.145776971 | 6.553436297 | 7.039309467 |
| NDUFA13 | ENSG00000186010.18 | 7.600268028 | 6.924111282 | 7.06391174 |
| POLR1D | ENSG00000186184.16 | 7.183095808 | 6.804774557 | 7.243992886 |
| FH | ENSG00000091483.6 | 7.924846406 | 6.154654178 | 6.899066942 |
| SRM | ENSG00000116649.9 | 8.168857858 | 7.593136555 | 6.272707352 |
| NOP56 | ENSG00000101361.16 | 8.300379211 | 8.054449093 | 6.131595103 |
| NCBP2 | ENSG00000114503.10 | 6.405948733 | 7.392738003 | 6.541292458 |
| PEA15 | ENSG00000162734.12 | 7.029252885 | 7.030469872 | 6.186765146 |
| MTIF2 | ENSG00000085760.14 | 6.4562754 | 6.379968903 | 6.401846347 |
| SNX1 | ENSG00000028528.14 | 7.31758108 | 6.309785364 | 6.668683192 |
| NDUFS3 | ENSG00000213619.9 | 6.907290968 | 7.033071982 | 6.946458385 |
| UFC1 | ENSG00000143222.11 | 7.512119996 | 6.75481758 | 6.833094679 |
| FKBP1A | ENSG00000088832.16 | 7.555181696 | 7.910902381 | 6.657069731 |
| UXT | ENSG00000126756.11 | 7.2616081 | 6.652861363 | 6.164509691 |
| GGH | ENSG00000137563.11 | 6.708038735 | 6.890138989 | 6.256128179 |
| FAM210B | ENSG00000124098.9 | 6.15535601 | 8.057413079 | 8.439022705 |
| TRAF7 | ENSG00000131653.12 | 7.301281445 | 6.594235485 | 6.505662944 |
| NAE1 | ENSG00000159593.14 | 7.284589733 | 6.207115823 | 6.50811827 |
| OCIAD1 | ENSG00000109180.14 | 7.387839824 | 6.502792875 | 7.866359547 |
| SNX2 | ENSG00000205302.6 | 6.616466924 | 6.20802433 | 6.397906127 |
| NPLOC4 | ENSG00000182446.13 | 6.781585836 | 7.314837159 | 7.111975482 |
| CUTA | ENSG00000112514.15 | 6.436215296 | 6.449403315 | 6.949827174 |
| SEC31A | ENSG00000138674.16 | 6.180060427 | 6.798549269 | 6.181699952 |
| ACO2 | ENSG00000100412.15 | 6.129601017 | 7.172602247 | 8.195054636 |
| SEPT7 | ENSG00000122545.18 | 6.946121061 | 8.02188021 | 6.243142561 |
| TNPO1 | ENSG00000083312.17 | 6.682263757 | 7.023627217 | 6.307877251 |
| DDX1 | ENSG00000079785.14 | 8.015391774 | 7.562841835 | 6.122400009 |
| MCM3 | ENSG00000112118.18 | 7.014458187 | 6.168158553 | 6.334493449 |
| DIAPH1 | ENSG00000131504.15 | 7.420675744 | 6.583930643 | 6.397306136 |
| ATP5L | ENSG00000167283.7 | 7.056015254 | 6.294716853 | 7.122781883 |
| NME4 | ENSG00000103202.12 | 6.698417723 | 6.74949679 | 6.78399135 |
| NUCKS1 | ENSG00000069275.12 | 8.078176882 | 6.215872634 | 6.10089979 |
| NOC2L | ENSG00000188976.10 | 8.178584413 | 7.382251741 | 6.160875893 |
| YIF1A | ENSG00000174851.15 | 6.313172199 | 7.003249114 | 6.352888511 |
| ZNHIT1 | ENSG00000106400.11 | 6.958615883 | 7.277878926 | 6.241919302 |
| DAP3 | ENSG00000132676.15 | 7.704662357 | 7.466442871 | 6.378484197 |
| FDFT1 | ENSG00000079459.12 | 6.55604074 | 6.237690882 | 7.860102597 |
| NBR1 | ENSG00000188554.13 | 7.025529617 | 6.661810295 | 7.636963846 |
| GUSB | ENSG00000169919.16 | 6.120455697 | 6.140427865 | 6.223718911 |
| ACTL6A | ENSG00000136518.16 | 6.488152953 | 6.417522439 | 6.113712316 |
| MGST3 | ENSG00000143198.12 | 6.083835969 | 7.698652542 | 7.792639366 |
| GGCT | ENSG00000006625.17 | 7.202770201 | 7.283329141 | 6.074935439 |
| SPCS3 | ENSG00000129128.12 | 6.842395912 | 6.12165015 | 6.390058318 |

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| AURKA | ENSG00000087586.17 | 7.06629341 | 6.088775656 | 6.200441501 |
| MTHFD1 | ENSG00000100714.15 | 7.236267886 | 6.358748316 | 6.168271389 |
| LYPLA2 | ENSG00000011009.10 | 7.498322302 | 7.093252595 | 6.335363903 |
| CD47 | ENSG00000196776.14 | 6.495350769 | 6.496147564 | 6.143969508 |
| ARCN1 | ENSG00000095139.13 | 7.587921366 | 6.849699006 | 6.944934793 |
| RPL26L1 | ENSG00000037241.7 | 7.007879637 | 6.623660708 | 6.156737952 |
| ADD1 | ENSG00000087274.16 | 6.717250228 | 6.148127067 | 7.897870578 |
| RABGGTB | ENSG00000137955.15 | 7.25067434 | 6.39967407 | 6.590150936 |
| PPP6R1 | ENSG00000105063.18 | 7.131723418 | 6.093228985 | 7.477663442 |
| RAB11B | ENSG00000185236.11 | 6.884709625 | 6.581626057 | 6.492915883 |
| CUL1 | ENSG00000055130.15 | 6.492193015 | 6.733557803 | 6.254750786 |
| TTC1 | ENSG00000113312.10 | 7.204532801 | 6.326163845 | 6.507193746 |
| IMP4 | ENSG00000136718.9 | 6.58981416 | 6.608811317 | 6.280432591 |
| TXNDC5 | ENSG00000239264.8 | 7.846095581 | 7.197046668 | 7.676269334 |
| ARIH2 | ENSG00000177479.19 | 6.843441225 | 6.715016557 | 6.081463237 |
| ABR | ENSG00000159842.14 | 6.384086018 | 6.233270298 | 7.429783612 |
| NAXE | ENSG00000163382.11 | 7.237386004 | 7.687344677 | 6.63873222 |
| CDC123 | ENSG00000151465.13 | 7.706902327 | 6.87065426 | 6.165286313 |
| TMEM258 | ENSG00000134825.15 | 7.657224767 | 6.300644392 | 6.11154066 |
| PPP1R9B | ENSG00000108819.10 | 6.449089471 | 6.556294529 | 6.641075312 |
| CEBPZOS | ENSG00000218739.9 | 6.602060467 | 6.511936382 | 6.205421831 |
| BOLA3 | ENSG00000163170.11 | 6.569636642 | 6.659073349 | 6.147815092 |
| API5 | ENSG00000166181.12 | 6.888381331 | 6.751925867 | 6.383230315 |
| TMED7 | ENSG00000134970.13 | 6.918361763 | 6.373075623 | 6.54781927 |
| SSFA2 | ENSG00000138434.16 | 7.066741271 | 6.218005066 | 6.07885584 |
| UQCR10 | ENSG00000184076.13 | 6.39272998 | 6.986493439 | 7.624283462 |
| PFKM | ENSG00000152556.15 | 6.720506312 | 7.13059284 | 7.188073267 |
| NAA20 | ENSG00000173418.11 | 7.533693347 | 6.868242001 | 6.146929804 |
| PRR11 | ENSG00000068489.12 | 7.021934732 | 6.394655936 | 6.664915381 |
| GSTK1 | ENSG00000197448.13 | 6.451039326 | 7.196313068 | 6.500316112 |
| DEGS1 | ENSG00000143753.12 | 6.790850013 | 6.064963685 | 6.126113899 |
| LIPA | ENSG00000107798.17 | 6.123752008 | 6.587359806 | 6.649143416 |
| SRPK2 | ENSG00000135250.16 | 6.204283551 | 6.827933483 | 6.198486221 |
| TIMP3 | ENSG00000100234.11 | 9.639464253 | 7.478246248 | 6.086285859 |
| BLOC1S1 | ENSG00000135441.7 | 6.711957637 | 6.468898631 | 6.15180073 |
| NRBP1 | ENSG00000115216.13 | 6.707867586 | 6.395671522 | 6.050620748 |
| ZFAS1 | ENSG00000177410.12 | 7.210940641 | 6.940430518 | 7.641322422 |
| ANAPC11 | ENSG00000141552.17 | 6.518656938 | 6.515590285 | 6.887137203 |
| NCSTN | ENSG00000162736.15 | 6.959893948 | 7.293269979 | 6.049668495 |
| LYPLA1 | ENSG00000120992.17 | 6.767619813 | 6.176434004 | 6.516853436 |
| AP3S1 | ENSG00000177879.15 | 6.330209404 | 6.382724427 | 6.383723637 |
| ERLEC1 | ENSG00000068912.13 | 6.720018608 | 6.722471208 | 6.099886231 |
| TXLNA | ENSG00000084652.15 | 6.448027668 | 6.138432753 | 6.368122516 |
| NDUFB3 | ENSG00000119013.8 | 6.230076942 | 7.327913202 | 7.114187466 |
| CAPZA1 | ENSG00000116489.12 | 7.634765457 | 6.712857583 | 6.331660922 |
| YTHDF1 | ENSG00000149658.17 | 6.272120436 | 6.091021684 | 6.510752754 |

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| SRRT | ENSG00000087087.19 | 7.157759244 | 6.841036638 | 6.267472304 |
| HIBADH | ENSG00000106049.8 | 6.060294831 | 6.910746902 | 6.315253909 |
| HDAC1 | ENSG00000116478.11 | 7.695862095 | 7.358134413 | 6.120132817 |
| BRD2 | ENSG00000204256.12 | 6.680516324 | 6.612043566 | 6.334583402 |
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| COX7B | ENSG00000131174.4 | 6.146750465 | 6.412531204 | 6.175521589 |
| ZRANB2 | ENSG00000132485.13 | 7.051985267 | 6.678935224 | 6.185071975 |
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| TSPAN4 | ENSG00000214063.10 | 6.156974744 | 7.366186585 | 7.531875175 |
| MYO1C | ENSG00000197879.14 | 6.860998992 | 6.178551745 | 6.404770337 |
| TYMS | ENSG00000176890.15 | 7.897383504 | 7.359655181 | 6.297735703 |
| MAP4K4 | ENSG00000071054.16 | 6.461470489 | 6.165819858 | 6.929150971 |
| TOMM34 | ENSG00000025772.7 | 7.301924309 | 6.14798412 | 6.992736585 |
| LAPTM4B | ENSG00000104341.16 | 7.18983663 | 6.325323453 | 6.175069252 |
| NDUFC2 | ENSG00000151366.12 | 6.605162993 | 6.490915615 | 6.228704685 |
| TAF7 | ENSG00000178913.7 | 7.510108271 | 6.096167034 | 7.490905139 |
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| NOMO1 | ENSG00000103512.14 | 6.478312652 | 6.259744082 | 6.528678346 |
| ZMAT2 | ENSG00000146007.10 | 6.844130099 | 6.419675508 | 6.049766668 |
| CSNK1A1 | ENSG00000113712.17 | 6.938770364 | 6.254843756 | 6.610348121 |
| SPTAN1 | ENSG00000197694.15 | 7.138492789 | 7.01153158 | 6.090048654 |
| COP5 | ENSG00000121022.13 | 7.321963367 | 6.086196328 | 6.348677649 |
| CSNK2A1 | ENSG00000101266.17 | 7.311370329 | 7.036201675 | 6.137594419 |
| FAM32A | ENSG00000105058.11 | 7.766824409 | 6.73833267 | 6.248263282 |
| CUL4A | ENSG00000139842.14 | 7.357285878 | 6.558036535 | 6.029203749 |
| EIF4A3 | ENSG00000141543.9 | 7.141591066 | 7.324254591 | 6.093447628 |
| IDH3G | ENSG00000067829.18 | 6.390093621 | 6.670461154 | 6.452548538 |
| SMIM26 | ENSG00000232388.4 | 7.058490587 | 6.377843858 | 6.010020276 |
| SF3A2 | ENSG00000104897.9 | 7.024312668 | 6.380843454 | 6.234895209 |
| CAPN2 | ENSG00000162909.17 | 7.754202842 | 6.396914278 | 6.694867832 |
| EIF3J | ENSG00000104131.12 | 7.162909132 | 6.763529537 | 6.513677399 |
| PSMD11 | ENSG00000108671.9 | 7.303456401 | 6.920846641 | 6.84586435 |
| GNL3 | ENSG00000163938.16 | 7.753036876 | 7.045700986 | 6.136331786 |
| CBR1 | ENSG00000159228.12 | 6.926178781 | 7.771755711 | 6.144937524 |
| RABL6 | ENSG00000196642.18 | 6.108732939 | 6.90324943 | 6.81735421 |
| FANCI | ENSG00000140525.17 | 6.806080583 | 6.110254272 | 6.025075918 |
| FARSA | ENSG00000179115.10 | 8.440569592 | 6.561469825 | 6.059453276 |
| BZW2 | ENSG00000136261.14 | 7.645010593 | 7.331762732 | 6.071914599 |
| BCAS2 | ENSG00000116752.5 | 6.757216311 | 6.417941033 | 5.996841839 |
| TAGLN2 | ENSG00000158710.14 | 9.658615377 | 7.310280584 | 6.095188264 |
| LAMB2 | ENSG00000172037.13 | 6.446246175 | 7.155405052 | 6.343625571 |
| TOMM70 | ENSG00000154174.7 | 6.965743811 | 6.452914717 | 6.272224284 |
| TIMM17A | ENSG00000134375.10 | 6.914661559 | 7.034416322 | 6.018871482 |
| GSR | ENSG00000104687.12 | 6.019386141 | 6.47162558 | 6.335934833 |
| RSL1D1 | ENSG00000171490.12 | 7.418499746 | 6.220214772 | 6.901604712 |
| DNAJC5 | ENSG00000101152.10 | 6.068622826 | 6.127317047 | 6.653689129 |

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| DDX42 | ENSG00000198231.12 | 6.444007907 | 6.792951469 | 6.783359233 |
| EMP3 | ENSG00000142227.10 | 7.234287907 | 6.95607808 | 6.206335428 |
| SCPEP1 | ENSG00000121064.12 | 6.175727275 | 7.613405751 | 6.187056006 |
| DDX18 | ENSG00000088205.12 | 6.859207165 | 6.550777832 | 6.09196999 |
| UBE2E1 | ENSG00000170142.11 | 7.679115234 | 7.571503765 | 7.764795859 |
| ATP2C1 | ENSG00000017260.19 | 6.07744163 | 6.59488824 | 6.059467977 |
| NDUFA12 | ENSG00000184752.12 | 6.738047166 | 6.340757317 | 6.186811895 |
| TCOF1 | ENSG00000070814.17 | 7.49700838 | 6.187532376 | 6.120215389 |
| STAT6 | ENSG00000166888.11 | 6.380983508 | 7.113646335 | 6.069481331 |
| RTCB | ENSG00000100220.11 | 6.570102416 | 7.332016625 | 6.803623217 |
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| SAP18 | ENSG00000150459.12 | 6.795689592 | 6.116788372 | 6.180135031 |
| MAP3K11 | ENSG00000173327.7 | 6.199959171 | 6.887325621 | 6.675075666 |
| RBM42 | ENSG00000126254.11 | 6.726105575 | 7.414104409 | 6.562114221 |
| DLST | ENSG00000119689.14 | 6.706164775 | 6.12021334 | 6.581333061 |
| MRPL13 | ENSG00000172172.7 | 7.037902277 | 6.473729632 | 6.086968545 |
| MOB1A | ENSG00000114978.17 | 6.706002203 | 6.786731118 | 6.042006479 |
| TMEM106C | ENSG00000134291.11 | 6.940276913 | 6.218250044 | 6.548049191 |
| TAF6 | ENSG00000106290.14 | 6.221174148 | 6.729131764 | 5.982584386 |
| XPOT | ENSG00000184575.11 | 7.423050243 | 6.552198717 | 7.664907944 |
| PPP6R3 | ENSG00000110075.14 | 6.403279301 | 6.045521498 | 6.254061735 |
| SURF4 | ENSG00000148248.13 | 7.392802627 | 8.554800297 | 6.313483438 |
| PAPOLA | ENSG00000090060.17 | 7.149713014 | 6.911872068 | 6.070342957 |
| UBE2V1 | ENSG00000244687.11 | 7.74557821 | 7.182597298 | 7.915798811 |
| UBR4 | ENSG00000127481.14 | 6.144406227 | 6.478334056 | 6.097514463 |
| PGRMC1 | ENSG00000101856.9 | 6.417694405 | 6.78168284 | 6.011985309 |
| SRI | ENSG00000075142.13 | 6.832277582 | 7.00083026 | 6.102229449 |
| SUPT16H | ENSG00000092201.9 | 7.66851879 | 6.337096097 | 5.993803085 |
| FAM129B | ENSG00000136830.11 | 7.721561751 | 7.351427665 | 6.036160571 |
| PPIF | ENSG00000108179.13 | 7.330337799 | 6.097039488 | 6.326678899 |
| NUP98 | ENSG00000110713.15 | 6.040163722 | 6.471024737 | 6.133980833 |
| CTDNEP1 | ENSG00000175826.11 | 7.389408083 | 6.223750506 | 6.279855124 |
| POMGNT1 | ENSG00000085998.13 | 6.547256684 | 6.365941587 | 6.26922122 |
| EIF3M | ENSG00000149100.12 | 7.534016329 | 6.88021955 | 7.207660526 |
| XPO7 | ENSG00000130227.16 | 6.123787955 | 5.982773799 | 6.332201052 |
| GTF2F1 | ENSG00000125651.13 | 7.232187244 | 6.159221202 | 6.426432099 |
| PPP2CB | ENSG00000104695.12 | 5.977817476 | 6.396737425 | 6.915342198 |
| TRA2B | ENSG00000136527.17 | 6.782734078 | 6.009892688 | 6.07101198 |
| AFG3L2 | ENSG00000141385.9 | 6.519789615 | 7.187457619 | 6.347220111 |
| SFXN3 | ENSG00000107819.13 | 6.734167146 | 6.169201081 | 6.764133657 |
| PON2 | ENSG00000105854.12 | 6.031772797 | 7.39221813 | 6.099574597 |
| PLAT | ENSG00000104368.17 | 7.048913089 | 7.574703379 | 6.34990318 |
| CD59 | ENSG00000085063.14 | 6.802089471 | 8.311743551 | 8.440591108 |
| PNRC2 | ENSG00000189266.11 | 6.588972752 | 6.110298551 | 6.003923565 |
| EFHD2 | ENSG00000142634.12 | 6.701879465 | 7.157828424 | 6.136415063 |
| YME1L1 | ENSG00000136758.18 | 7.164765322 | 6.522536896 | 6.254616586 |

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| DUT | ENSG00000128951.13 | 6.732409942 | 6.291237292 | 6.428247584 |
| XPO6 | ENSG00000169180.11 | 6.827415042 | 6.564252754 | 6.142590604 |
| GUK1 | ENSG00000143774.16 | 6.980038526 | 6.319769628 | 6.088872715 |
| MPV17 | ENSG00000115204.14 | 6.725775081 | 6.607185581 | 6.033764829 |
| NAA10 | ENSG00000102030.15 | 7.453731656 | 7.606017009 | 6.369677438 |
| USP14 | ENSG00000101557.14 | 6.38981297 | 6.926933773 | 6.197310359 |
| PAIP2 | ENSG00000120727.12 | 7.349172396 | 6.574701151 | 6.781159982 |
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| H2AFX | ENSG00000188486.3 | 8.021228917 | 5.956029204 | 6.118851539 |
| WDR61 | ENSG00000140395.8 | 6.391399563 | 7.086476613 | 6.093052822 |
| GBA | ENSG00000177628.15 | 6.559293284 | 8.084586015 | 6.0226504 |
| PSMA5 | ENSG00000143106.12 | 7.353244615 | 6.521934777 | 6.041820484 |
| WBP11 | ENSG00000084463.7 | 6.906543766 | 6.595579942 | 5.965371945 |
| APRT | ENSG00000198931.10 | 7.347107496 | 6.722611639 | 6.706710608 |
| TLN1 | ENSG00000137076.20 | 7.209021006 | 6.356930871 | 6.147979994 |
| UPF1 | ENSG00000005007.12 | 6.884938798 | 6.241460897 | 6.064375337 |
| TRAPPC1 | ENSG00000170043.11 | 6.92333724 | 6.398788024 | 6.094939601 |
| CGGBP1 | ENSG00000163320.10 | 6.440886183 | 6.747666724 | 6.037877033 |
| TRAP1 | ENSG00000126602.10 | 7.593047726 | 6.589264129 | 6.863012319 |
| MLX | ENSG00000108788.11 | 6.900597133 | 6.68892841 | 6.887120922 |
| SNX3 | ENSG00000112335.14 | 6.802965395 | 6.612589533 | 6.549170281 |
| POLR2C | ENSG00000102978.12 | 7.321649806 | 5.991197182 | 6.042076123 |
| SNORD58B | ENSG00000271982.1 | 6.812850169 | 7.151770129 | 6.76178293 |
| FBXW5 | ENSG00000159069.13 | 6.583105448 | 7.524206065 | 7.725892885 |
| ALG3 | ENSG00000214160.9 | 6.520795221 | 7.076941963 | 5.991267442 |
| SGK1 | ENSG00000118515.11 | 6.651244417 | 8.094638803 | 6.241467632 |
| SRSF5 | ENSG00000100650.15 | 6.554900001 | 6.38875982 | 6.132315367 |
| OSBPL9 | ENSG00000117859.18 | 6.068622931 | 6.858689136 | 6.638642264 |
| PAFAH1B2 | ENSG00000168092.13 | 7.090643879 | 5.969815409 | 6.696217386 |
| ITGB1BP1 | ENSG00000119185.12 | 6.168253287 | 5.946147912 | 6.096798598 |
| PAFAH1B1 | ENSG00000007168.12 | 6.530378671 | 5.969083856 | 6.407005994 |
| YIPF3 | ENSG00000137207.11 | 6.396827899 | 6.719974962 | 6.869521177 |
| PLOD1 | ENSG00000083444.16 | 7.798727246 | 7.953094476 | 5.956513842 |
| UBE2D2 | ENSG00000131508.15 | 6.771998012 | 6.297055847 | 6.824898205 |
| CDK2AP1 | ENSG00000111328.6 | 7.411262549 | 7.06368443 | 6.140308396 |
| MRPL28 | ENSG00000086504.15 | 7.117973183 | 6.273095207 | 6.187553818 |
| GATAD2A | ENSG00000167491.17 | 6.494184782 | 6.870209674 | 6.626054595 |
| ELOF1 | ENSG00000130165.10 | 7.69196498 | 6.327154093 | 6.040721181 |
| CCNB1 | ENSG00000134057.14 | 7.982485853 | 6.115722251 | 6.233147253 |
| SCARB2 | ENSG00000138760.9 | 6.294273411 | 7.537946079 | 7.065788778 |
| ETS1 | ENSG00000134954.14 | 5.926406654 | 6.650658187 | 6.32171613 |
| CSNK2A2 | ENSG00000070770.8 | 7.069540022 | 6.003924088 | 6.587336259 |
| NDUFB5 | ENSG00000136521.12 | 5.977952643 | 6.82359815 | 7.259667682 |
| CDC27 | ENSG00000004897.11 | 6.694961328 | 6.416407441 | 6.302541653 |
| ATP13A3 | ENSG00000133657.14 | 6.588649813 | 6.620262653 | 6.474691042 |
| GYPC | ENSG00000136732.14 | 6.005979029 | 9.444807228 | 9.002684495 |

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| H2AFY | ENSG00000113648.16 | 7.197900271 | 5.963091146 | 6.5153793 |
| SRP68 | ENSG00000167881.14 | 6.326769352 | 6.017698429 | 6.531253774 |
| SHISA5 | ENSG00000164054.15 | 7.326090283 | 7.520344872 | 6.521474039 |
| COA4 | ENSG00000181924.6 | 7.421478514 | 6.591259604 | 6.496040852 |
| ANP32A | ENSG00000140350.15 | 7.395253227 | 7.111384428 | 6.103807874 |
| ANKRD10 | ENSG00000088448.14 | 7.131574876 | 6.014897614 | 6.2169907 |
| SMARCC2 | ENSG00000139613.11 | 6.768621596 | 6.3442449 | 6.114054372 |
| CYB5R3 | ENSG00000100243.20 | 5.945265971 | 6.448900677 | 7.005040344 |
| CLNS1A | ENSG00000074201.8 | 7.681529858 | 6.222464025 | 6.4481537 |
| ELOC | ENSG00000154582.16 | 7.323781565 | 7.020624976 | 6.497478678 |
| TADA3 | ENSG00000171148.13 | 6.774411533 | 6.652756057 | 6.379238896 |
| ATP5G3 | ENSG00000154518.9 | 6.078971833 | 6.851672617 | 6.914279843 |
| FLOT1 | ENSG00000137312.14 | 6.058304807 | 6.869529806 | 8.585695676 |
| UBE2L6 | ENSG00000156587.15 | 6.665590836 | 6.260309598 | 5.952406347 |
| RAB6A | ENSG00000175582.19 | 6.493025077 | 6.383354296 | 7.288299692 |
| JTB | ENSG00000143543.14 | 7.260320793 | 7.086291468 | 6.809018316 |
| ZMPSTE24 | ENSG00000084073.8 | 6.969784925 | 6.742301745 | 5.933660259 |
| ETFA | ENSG00000140374.15 | 7.008101469 | 7.042084153 | 6.922717617 |
| EXOC7 | ENSG00000182473.21 | 6.337206273 | 6.55366302 | 6.774049052 |
| DCTN2 | ENSG00000175203.15 | 6.681844678 | 6.626187986 | 8.717458557 |
| BECN1 | ENSG00000126581.12 | 6.859354439 | 7.054894725 | 6.848402129 |
| CDV3 | ENSG00000091527.15 | 6.638527395 | 6.405568125 | 6.293544333 |
| SPRY2 | ENSG00000136158.11 | 8.009109979 | 6.484817629 | 7.667221093 |
| CIB1 | ENSG00000185043.10 | 6.030578072 | 6.344324945 | 6.02482823 |
| FIBP | ENSG00000172500.12 | 7.771465558 | 6.180873835 | 6.219236268 |
| ARHGEF1 | ENSG00000076928.17 | 7.315383865 | 7.303760791 | 6.56927591 |
| VPS29 | ENSG00000111237.18 | 6.532578738 | 6.981679024 | 6.001008283 |
| SPAG9 | ENSG00000008294.20 | 6.137803197 | 6.727312782 | 7.185164392 |
| TMEM214 | ENSG00000119777.18 | 6.753068234 | 7.533744334 | 6.008300178 |
| RNF11 | ENSG00000123091.4 | 6.009326448 | 5.952214518 | 6.572743468 |
| UNC45A | ENSG00000140553.17 | 6.075175318 | 6.466107668 | 6.467664151 |
| THOC7 | ENSG00000163634.11 | 7.204466261 | 6.965473756 | 6.359437463 |
| PLCG1 | ENSG00000124181.14 | 6.040903917 | 6.088020273 | 7.115245719 |
| EIF2AK1 | ENSG00000086232.12 | 6.244897074 | 7.081980148 | 5.934210217 |
| OSTC | ENSG00000198856.12 | 6.973111157 | 7.273908332 | 6.111018777 |
| SLC35A4 | ENSG00000176087.14 | 6.799149802 | 6.167029164 | 6.095218324 |
| REEP5 | ENSG00000129625.12 | 6.077051262 | 5.949234795 | 5.973679614 |
| ACAT1 | ENSG00000075239.13 | 6.567132779 | 5.990163062 | 6.795760199 |
| TNPO2 | ENSG00000105576.15 | 6.831770222 | 6.122897491 | 6.010160422 |
| MRPL16 | ENSG00000166902.4 | 7.298590057 | 6.576853989 | 5.881870276 |
| COX17 | ENSG00000138495.6 | 6.819435619 | 6.115990423 | 7.000602889 |
| SUN1 | ENSG00000164828.17 | 6.102163893 | 6.450777301 | 6.521624351 |
| HSF1 | ENSG00000185122.10 | 6.372505498 | 6.551355437 | 6.558429234 |
| VPS4A | ENSG00000132612.15 | 6.375523119 | 5.913071798 | 6.627877567 |
| TIMM23 | ENSG00000265354.3 | 7.351493122 | 6.40248852 | 6.788886085 |
| BNIP2 | ENSG00000140299.11 | 6.230948195 | 6.926815732 | 6.759864164 |

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| ZC3H13 | ENSG00000123200.16 | 6.590883203 | 6.770537688 | 8.968621593 |
| SMARCC1 | ENSG00000173473.10 | 7.203354999 | 6.405653303 | 5.981209113 |
| PSMC6 | ENSG00000100519.11 | 6.448238286 | 6.127577922 | 6.117749876 |
| ZDHHC5 | ENSG00000156599.10 | 6.445253698 | 6.375857918 | 6.882637394 |
| C5orf15 | ENSG00000113583.7 | 7.103512902 | 6.326882719 | 5.892289965 |
| DPY30 | ENSG00000162961.13 | 6.678196923 | 6.452569325 | 5.961307653 |
| DDX3X | ENSG00000215301.9 | 7.422590343 | 6.11890401 | 6.395134202 |
| RAP1B | ENSG00000127314.17 | 7.029082651 | 7.246896545 | 6.093013918 |
| SPATS2L | ENSG00000196141.13 | 7.84530043 | 5.973666391 | 6.770199491 |
| APH1A | ENSG00000117362.12 | 7.190934293 | 7.775201017 | 5.984784856 |
| MCTS1 | ENSG00000232119.7 | 7.362437805 | 6.313650892 | 6.584538969 |
| CTNBL1 | ENSG00000132792.18 | 6.148041729 | 6.069724767 | 6.266843499 |
| BABAM1 | ENSG00000105393.15 | 7.895719659 | 7.336686711 | 6.016034 |
| CHPT1 | ENSG00000111666.10 | 6.777615915 | 6.379242652 | 6.209970094 |
| DHX30 | ENSG00000132153.14 | 6.969907875 | 6.652487422 | 5.902999675 |
| MFF | ENSG00000168958.19 | 6.061980701 | 6.68350527 | 6.360691744 |
| PDHA1 | ENSG00000131828.13 | 6.347206266 | 5.891372366 | 6.882009572 |
| POLR2E | ENSG00000099817.11 | 6.006826693 | 7.369836834 | 6.517054783 |
| CCDC86 | ENSG00000110104.11 | 6.799168286 | 5.921284961 | 6.110441469 |
| PABPN1 | ENSG00000100836.10 | 6.685898507 | 6.090714326 | 5.983094869 |
| GYG1 | ENSG00000163754.17 | 6.135738561 | 5.920624087 | 6.32798938 |
| ATP13A2 | ENSG00000159363.17 | 6.099168543 | 6.983618748 | 7.354511146 |
| CHD3 | ENSG00000170004.16 | 6.502613462 | 5.976245075 | 5.95980763 |
| NUP205 | ENSG00000155561.14 | 6.524522024 | 6.70284598 | 5.876014665 |
| PSMB8 | ENSG00000204264.8 | 6.325886717 | 5.907966151 | 6.10999001 |
| MRPL47 | ENSG00000136522.13 | 6.521175976 | 6.110749614 | 5.937582401 |
| SELENOW | ENSG00000178980.14 | 6.863081451 | 6.112858679 | 6.416636082 |
| TIMM10 | ENSG00000134809.8 | 6.680146652 | 6.379647731 | 5.878053133 |
| UROD | ENSG00000126088.13 | 6.578511749 | 6.290042672 | 5.913237934 |
| UFD1 | ENSG00000070010.18 | 6.008099755 | 6.458070394 | 5.887679368 |
| CCNG1 | ENSG00000113328.18 | 6.579686683 | 6.369838307 | 7.594574508 |
| BACE2 | ENSG00000182240.15 | 6.384664595 | 7.849464147 | 7.478299525 |
| TXNRD1 | ENSG00000198431.15 | 8.130106475 | 7.321207462 | 6.321406981 |
| SLC38A10 | ENSG00000157637.12 | 5.944641964 | 7.582177468 | 7.412784875 |
| HSD17B12 | ENSG00000149084.12 | 6.489875286 | 7.343432324 | 7.14601804 |
| ADH5 | ENSG00000197894.10 | 7.026134476 | 6.766786181 | 6.116825787 |
| WDR43 | ENSG00000163811.11 | 6.735259922 | 6.612374083 | 5.886279096 |
| FKBP3 | ENSG00000100442.10 | 6.743251413 | 6.176062592 | 6.056345393 |
| POLR2A | ENSG00000181222.15 | 7.581169045 | 5.862827031 | 6.297926986 |
| PITRM1 | ENSG00000107959.15 | 6.200194363 | 5.945507355 | 7.373629295 |
| TAPBP | ENSG00000231925.11 | 5.905195736 | 6.64778946 | 6.636468945 |
| PFDN6 | ENSG00000204220.11 | 7.205846185 | 6.712656035 | 5.894518447 |
| PSME1 | ENSG00000092010.14 | 6.96381281 | 5.930586999 | 6.69176116 |
| RNF10 | ENSG00000022840.15 | 6.303470776 | 6.142358393 | 7.871524932 |
| BZW1 | ENSG00000082153.17 | 6.503507213 | 6.837088394 | 6.226660818 |
| GABARAPL2 | ENSG00000034713.7 | 7.496816975 | 6.956379111 | 7.984611631 |

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| CYP51A1 | ENSG00000001630.15 | 5.87632566 | 7.656164142 | 7.095582889 |
| COX7A2L | ENSG00000115944.14 | 6.387514675 | 6.097497358 | 6.821418937 |
| CAT | ENSG00000121691.4 | 6.761846889 | 6.702084868 | 6.775136041 |
| RNH1 | ENSG00000023191.16 | 6.139871307 | 6.447257182 | 6.955407919 |
| CS | ENSG00000062485.18 | 6.35881972 | 5.916374359 | 7.282371285 |
| H1FX | ENSG00000184897.5 | 8.235435775 | 6.030829887 | 7.185045715 |
| TM9SF3 | ENSG00000077147.14 | 7.427885409 | 6.058636348 | 7.016163141 |
| EDEM2 | ENSG00000088298.12 | 5.870264818 | 6.280930532 | 5.868208095 |
| CREG1 | ENSG00000143162.7 | 6.89290968 | 7.426019302 | 5.886991462 |
| WDR82 | ENSG00000164091.11 | 6.905933261 | 6.299419843 | 5.837258315 |
| MRPS30 | ENSG00000112996.10 | 7.449304846 | 7.141936111 | 7.318327521 |
| LAMTOR2 | ENSG00000116586.11 | 7.083938337 | 6.995928232 | 5.860283949 |
| BUB3 | ENSG00000154473.17 | 7.703776957 | 6.149792333 | 5.9184373 |
| HEXA | ENSG00000213614.9 | 5.947492694 | 7.354885833 | 7.173567773 |
| ABRACL | ENSG00000146386.7 | 6.032371496 | 7.043028691 | 5.847616875 |
| POFUT1 | ENSG00000101346.13 | 6.42065741 | 6.028109748 | 5.87364606 |
| EIF2AK4 | ENSG00000128829.11 | 6.169457521 | 6.537384905 | 5.863511961 |
| RIPOR1 | ENSG00000039523.19 | 6.314242225 | 5.866248502 | 6.880154591 |
| FNBP4 | ENSG00000109920.12 | 6.549309213 | 6.294373987 | 6.784022979 |
| RNASEK | ENSG00000219200.11 | 6.195889454 | 6.802901335 | 6.881603575 |
| NRP2 | ENSG00000118257.16 | 7.30195814 | 6.698362469 | 6.083744664 |
| STOM | ENSG00000148175.12 | 7.703348746 | 8.094026791 | 6.201281944 |
| HMGXB3 | ENSG00000113716.12 | 5.837479167 | 6.021644958 | 6.461586314 |
| STAT3 | ENSG00000168610.14 | 6.430845644 | 6.129890082 | 6.085983947 |
| SNX5 | ENSG00000089006.16 | 8.046892461 | 6.740400485 | 5.921645543 |
| MRPS5 | ENSG00000144029.11 | 5.8577114 | 7.224669624 | 6.8228904 |
| NIFK | ENSG00000155438.11 | 6.131277874 | 6.596633643 | 6.157177727 |
| EXOSC10 | ENSG00000171824.13 | 6.551388655 | 6.656375977 | 5.829860348 |
| NBL1 | ENSG00000158747.13 | 5.880439381 | 7.639666685 | 8.880022348 |
| CNOT11 | ENSG00000158435.7 | 5.83542215 | 6.397071361 | 6.352774102 |
| GCN1 | ENSG00000089154.10 | 6.912827452 | 6.215461822 | 6.590054706 |
| ZMYND8 | ENSG00000101040.19 | 6.817979182 | 6.275558302 | 5.832354925 |
| TRAPPC3 | ENSG00000054116.11 | 6.118800781 | 6.190419252 | 5.848822079 |
| COLGALT1 | ENSG00000130309.10 | 7.67024811 | 7.883237245 | 5.864102712 |
| POM121C | ENSG00000272391.5 | 6.446822231 | 6.578885426 | 6.305593324 |
| NDUFA3 | ENSG00000170906.15 | 5.955506763 | 6.132114071 | 6.696850971 |
| SH3KBP1 | ENSG00000147010.17 | 7.185196004 | 5.942417482 | 7.405052666 |
| TUBG1 | ENSG00000131462.7 | 7.408719162 | 6.878106534 | 5.848129207 |
| UHMK1 | ENSG00000152332.15 | 6.434132274 | 6.586570254 | 6.560755034 |
| TSR3 | ENSG00000007520.3 | 6.448731631 | 6.278922979 | 5.987131278 |
| ABHD12 | ENSG00000100997.18 | 6.341426936 | 6.915906375 | 5.839499976 |
| BHLHE40 | ENSG00000134107.4 | 5.79468118 | 6.764450706 | 7.67532083 |
| EIF2A | ENSG00000144895.11 | 7.55084124 | 6.768279294 | 7.202267788 |
| SNHG1 | ENSG00000255717.6 | 7.053807439 | 6.066270223 | 6.205171772 |
| SDCBP | ENSG00000137575.11 | 6.244767029 | 7.524905458 | 8.286188725 |
| DROSHA | ENSG00000113360.16 | 6.863756089 | 6.103730268 | 6.084371611 |

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| MRPL18 | ENSG00000112110.9 | 7.006236118 | 6.300885445 | 5.836763496 |
| DCTD | ENSG00000129187.14 | 6.744510596 | 6.015262608 | 6.047994602 |
| CPSF1 | ENSG00000071894.16 | 5.871311976 | 6.267829566 | 6.518433633 |
| USP39 | ENSG00000168883.19 | 6.452344686 | 6.826098188 | 5.788073455 |
| CSK | ENSG00000103653.16 | 6.827395727 | 6.611656431 | 5.97645693 |
| UBE2G2 | ENSG00000184787.18 | 6.405876513 | 6.029308574 | 6.292418589 |
| GOLPH3 | ENSG00000113384.13 | 6.755412257 | 6.708594825 | 7.049124339 |
| DNMT1 | ENSG00000130816.14 | 7.635263308 | 5.986941365 | 5.927235732 |
| PNKD | ENSG00000127838.13 | 5.865209514 | 6.987837295 | 6.353871714 |
| LSM14B | ENSG00000149657.19 | 6.067569989 | 5.864742273 | 6.840556968 |
| COMMD4 | ENSG00000140365.15 | 6.611733102 | 6.268154091 | 6.022126767 |
| BLVRA | ENSG00000106605.10 | 5.817105915 | 6.866582227 | 8.062723602 |
| UBE2H | ENSG00000186591.11 | 5.901268374 | 7.142622276 | 7.013401711 |
| NGRN | ENSG00000182768.8 | 6.017143047 | 6.133799923 | 6.45876765 |
| MYH10 | ENSG00000133026.12 | 6.989152759 | 6.738407945 | 6.744452183 |
| DDX27 | ENSG00000124228.14 | 7.509004978 | 6.261715346 | 6.579474666 |
| DGUOK | ENSG00000114956.19 | 6.635067853 | 6.808062223 | 5.80763395 |
| MRPS24 | ENSG00000062582.13 | 6.52423578 | 6.722906482 | 5.832284762 |
| GTPBP2 | ENSG00000172432.18 | 6.662346464 | 7.114465363 | 7.42303272 |
| PAK2 | ENSG00000180370.10 | 5.87208938 | 6.266890517 | 5.795345752 |
| BFAR | ENSG00000103429.10 | 6.553688931 | 6.409754743 | 6.367081318 |
| TMEM167A | ENSG00000174695.9 | 6.20371947 | 5.812197977 | 6.163184412 |
| GSPT1 | ENSG00000103342.12 | 7.572129987 | 6.412221382 | 6.212141515 |
| AP2A1 | ENSG00000196961.12 | 6.69502718 | 7.127075413 | 6.64195314 |
| NDUFAF8 | ENSG00000224877.3 | 6.822462931 | 6.828601629 | 7.012170143 |
| GAS5 | ENSG00000234741.7 | 8.005438991 | 6.809789952 | 7.189692066 |
| ELOVL1 | ENSG00000066322.14 | 6.233369873 | 6.575512194 | 5.928451924 |
| UTP4 | ENSG00000141076.17 | 7.281269297 | 6.346573275 | 5.817959311 |
| PSIP1 | ENSG00000164985.14 | 7.956634801 | 6.253149583 | 5.863035252 |
| PSME3 | ENSG00000131467.10 | 7.730096926 | 7.758410496 | 7.225328921 |
| MAGED2 | ENSG00000102316.16 | 5.855687172 | 8.137034111 | 7.525406493 |
| CD99 | ENSG00000002586.18 | 5.79706494 | 7.81958945 | 9.515963658 |
| USP7 | ENSG00000187555.14 | 6.577105472 | 6.069304889 | 6.194993867 |
| CLDND1 | ENSG00000080822.16 | 6.417144938 | 6.976238126 | 5.919968867 |
| CHMP5 | ENSG00000086065.13 | 7.277861895 | 6.232568301 | 6.007915237 |
| ETFB | ENSG00000105379.9 | 7.623341399 | 6.379968324 | 6.094375288 |
| MZT2A | ENSG00000173272.15 | 5.900678451 | 5.900866614 | 6.411104558 |
| NPTN | ENSG00000156642.16 | 6.333989649 | 6.705025431 | 6.646086727 |
| ERF | ENSG00000105722.9 | 6.940475244 | 7.178226948 | 5.811774215 |
| TEX261 | ENSG00000144043.11 | 6.709442605 | 6.483276924 | 5.817625986 |
| ERCC3 | ENSG00000163161.12 | 6.045245527 | 5.905638092 | 6.158718218 |
| MRPL39 | ENSG00000154719.13 | 6.203324657 | 5.998252049 | 5.974181466 |
| TTC37 | ENSG00000198677.10 | 6.186526241 | 5.85944778 | 6.352788289 |
| TCF25 | ENSG00000141002.19 | 5.914399751 | 6.923891291 | 8.001406273 |
| RUVBL1 | ENSG00000175792.11 | 7.629449251 | 7.079136529 | 5.756153304 |
| TOP2B | ENSG00000077097.15 | 6.939883973 | 6.75312483 | 6.276910078 |

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| RCAN1 | ENSG00000159200.17 | 7.36365788 | 5.932555796 | 7.458448021 |
| ASPH | ENSG00000198363.17 | 7.130481871 | 6.235949438 | 5.846727033 |
| USO1 | ENSG00000138768.14 | 6.051330154 | 6.868909413 | 6.233666006 |
| IMP3 | ENSG00000177971.8 | 6.694197844 | 6.712017441 | 6.066509441 |
| EIF4E2 | ENSG00000135930.13 | 6.563275928 | 6.222930879 | 5.861823455 |
| SZRD1 | ENSG00000055070.16 | 6.874295753 | 6.961499132 | 6.976115222 |
| SRSF7 | ENSG00000115875.18 | 7.057344059 | 6.431150988 | 5.762634159 |
| RPF1 | ENSG00000117133.10 | 6.715773361 | 6.045219933 | 5.795284627 |
| BAP1 | ENSG00000163930.9 | 5.909780364 | 6.248396559 | 6.019309193 |
| CASC3 | ENSG00000108349.16 | 6.438582512 | 5.8993758 | 6.426717669 |
| SUMO1 | ENSG00000116030.16 | 6.339077361 | 6.380829116 | 6.2605707 |
| OSBPL8 | ENSG00000091039.16 | 5.865325258 | 5.797741592 | 7.078187301 |
| USB1 | ENSG00000103005.11 | 5.970878632 | 6.002573159 | 5.899494145 |
| MRPS7 | ENSG00000125445.10 | 6.513613875 | 6.681053856 | 6.455839769 |
| TRPV2 | ENSG00000187688.14 | 5.902436876 | 7.180253322 | 7.390075885 |
| MANBAL | ENSG00000101363.12 | 5.875621294 | 5.783164832 | 6.100996062 |
| MCM7 | ENSG00000166508.17 | 8.15738162 | 7.244226217 | 5.79089483 |
| PAIP1 | ENSG00000172239.13 | 6.767200391 | 7.044405115 | 6.829419429 |
| SARAF | ENSG00000133872.13 | 5.887167182 | 6.352828804 | 6.01747037 |
| PTPRS | ENSG00000105426.16 | 6.41288174 | 6.761150221 | 5.783908115 |
| C7orf73 | ENSG00000243317.7 | 6.190794198 | 5.83403314 | 6.015254005 |
| RBBP6 | ENSG00000122257.18 | 6.338860493 | 5.993544583 | 6.276616844 |
| MFSD1 | ENSG00000118855.18 | 6.499707638 | 7.08573156 | 6.629032818 |
| MAD2L2 | ENSG00000116670.14 | 5.883161639 | 6.134484135 | 7.010925258 |
| CYFIP1 | ENSG00000273749.4 | 6.378247714 | 6.393858046 | 6.741894111 |
| PTK2 | ENSG00000169398.19 | 6.435892191 | 5.981128785 | 5.85471839 |
| PRMT5 | ENSG00000100462.15 | 6.696287078 | 5.757043896 | 5.900481386 |
| LSM8 | ENSG00000128534.7 | 5.838540489 | 6.309987503 | 6.819301934 |
| GALE | ENSG00000117308.14 | 6.294661614 | 6.154668652 | 6.98379992 |
| DCTN6 | ENSG00000104671.7 | 5.96096904 | 6.028009515 | 5.893001697 |
| MAPK3 | ENSG00000102882.11 | 6.160825989 | 6.058596845 | 6.151510481 |
| PES1 | ENSG00000100029.17 | 7.221427781 | 7.277549216 | 6.795788314 |
| ARF6 | ENSG00000165527.6 | 6.222780266 | 5.867893357 | 7.250074047 |
| RRM1 | ENSG00000167325.14 | 7.150592436 | 6.361742124 | 5.856964814 |
| LSM7 | ENSG00000130332.14 | 6.915369629 | 7.360413546 | 6.329175687 |
| INTS1 | ENSG00000164880.15 | 6.700991387 | 7.065640967 | 6.007447962 |
| NDFIP1 | ENSG00000131507.10 | 6.478253654 | 5.804095046 | 6.726442865 |
| SCYL1 | ENSG00000142186.16 | 5.853635509 | 6.393195197 | 6.410214789 |
| PHF5A | ENSG00000100410.7 | 6.451044704 | 6.364974543 | 5.80235908 |
| EIF3F | ENSG00000175390.13 | 6.509616536 | 6.513075834 | 6.18091899 |
| OLA1 | ENSG00000138430.15 | 6.156015518 | 5.989235389 | 6.720525098 |
| AFF4 | ENSG00000072364.12 | 6.000970137 | 6.037346189 | 6.643005061 |
| PJA2 | ENSG00000198961.9 | 6.142611322 | 5.780755513 | 6.708058454 |
| KLC1 | ENSG00000126214.21 | 6.461131069 | 6.508360544 | 5.871808793 |
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| SERP1 | ENSG00000120742.10 | 6.881820891 | 6.672991209 | 6.523397973 |
| APOBEC3C | ENSG00000244509.3 | 5.7361958 | 6.622525034 | 7.064193249 |
| AKT1S1 | ENSG00000204673.10 | 7.542778207 | 6.793708577 | 6.29150656 |
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| UBQLN1 | ENSG00000135018.13 | 6.742287332 | 6.877900299 | 6.205653725 |
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| GTF3C6 | ENSG00000155115.6 | 7.060267719 | 6.074468305 | 5.739280037 |
| EIF2B1 | ENSG00000111361.12 | 7.424930509 | 5.844879165 | 5.802801201 |
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| IMPAD1 | ENSG00000104331.8 | 6.861565253 | 6.327718596 | 5.727832893 |
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| C6orf106 | ENSG00000196821.9 | 5.704867932 | 6.595528405 | 7.053689915 |
| ERCC1 | ENSG00000012061.15 | 7.372443224 | 5.97575358 | 7.25564183 |
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| WDR46 | ENSG00000227057.9 | 7.000312989 | 7.585244591 | 5.820440327 |
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| WASHC5 | ENSG00000164961.15 | 5.758076714 | 5.970928447 | 5.943492954 |
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| MAF1 | ENSG00000179632.9 | 6.843868333 | 6.063916355 | 6.209540966 |
| ACBD3 | ENSG00000182827.8 | 6.345327698 | 5.7683337 | 5.691822719 |
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| ADAT1 | ENSG00000065457.10 | 7.201658582 | 6.084180913 | 6.282852622 |
| STUB1 | ENSG00000103266.10 | 6.673015096 | 6.347298696 | 6.106366261 |

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| MRPL21 | ENSG00000197345.12 | 6.946904401 | 5.80444074 | 5.923502375 |
| PNN | ENSG00000100941.8 | 6.235082254 | 5.734839081 | 5.996091927 |
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| PTGFRN | ENSG00000134247.9 | 6.207841231 | 5.764861534 | 6.761352567 |
| MT-TF | ENSG00000210049.1 | 6.341714866 | 6.559186507 | 5.933437592 |
| ARL2 | ENSG00000213465.7 | 6.827548471 | 5.741601311 | 6.49572556 |
| FAM96B | ENSG00000166595.11 | 7.383381787 | 5.83734818 | 6.142090246 |
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| CLINT1 | ENSG00000113282.13 | 6.829771894 | 5.884895461 | 6.163102743 |
| ARAF | ENSG00000078061.12 | 6.625417458 | 5.829678166 | 5.756558273 |
| ENTPD6 | ENSG00000197586.12 | 6.523141023 | 7.430988738 | 6.327418332 |
| RAB14 | ENSG00000119396.10 | 6.981720474 | 6.789145114 | 5.707307666 |
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| PPFIBP1 | ENSG00000110841.13 | 6.781397587 | 6.518725408 | 7.155920861 |
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| GTF3C1 | ENSG00000077235.17 | 6.296608066 | 6.043298688 | 5.90303275 |
| NSUN2 | ENSG00000037474.14 | 7.408163064 | 7.138515852 | 5.781647038 |
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| PPP4R3B | ENSG00000275052.4 | 6.140190573 | 6.112438075 | 5.96313908 |
| COA6 | ENSG00000168275.14 | 6.672692975 | 6.100143589 | 5.91012869 |
| PDCD6IP | ENSG00000170248.13 | 5.804619397 | 5.851242304 | 6.199675355 |
| RHOT2 | ENSG00000140983.13 | 7.161816843 | 6.551784379 | 6.222437192 |
| TBC1D9B | ENSG00000197226.12 | 5.98676035 | 5.745459854 | 5.832430718 |
| PAICS | ENSG00000128050.8 | 7.621252738 | 7.14492214 | 5.89090874 |
| TFDP1 | ENSG00000198176.12 | 8.191414806 | 6.478067632 | 5.782958061 |
| LSM14A | ENSG00000257103.8 | 6.726804772 | 5.912449222 | 6.229568352 |
| CMAS | ENSG00000111726.12 | 6.587604017 | 7.026129182 | 6.91547948 |
| LDB1 | ENSG00000198728.10 | 6.415777206 | 5.857486813 | 6.118712238 |
| ATP6V1C1 | ENSG00000155097.11 | 5.712583633 | 6.98126591 | 7.064248535 |
| FIP1L1 | ENSG00000145216.15 | 6.865061861 | 5.733330696 | 6.652142508 |
| ASAP1 | ENSG00000153317.14 | 5.681679687 | 6.116085501 | 6.592373594 |
| NUSAP1 | ENSG00000137804.12 | 6.591636869 | 5.751185803 | 5.783903498 |
| GPD2 | ENSG00000115159.15 | 5.675587628 | 6.191468921 | 6.341043349 |
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| CACYBP | ENSG00000116161.17 | 7.676972695 | 6.121345388 | 5.831421433 |
| MRPL11 | ENSG00000174547.13 | 6.574123981 | 5.745285465 | 5.737504804 |
| NAPA | ENSG00000105402.7 | 5.941640659 | 5.861777881 | 5.72769668 |
| SKIV2L | ENSG00000204351.11 | 6.126389341 | 6.57708668 | 6.087092474 |
| UBALD2 | ENSG00000185262.8 | 7.463427072 | 6.530107157 | 6.620132895 |
| PHPT1 | ENSG00000054148.17 | 5.996791832 | 7.268944136 | 7.119917687 |
| NTAN1 | ENSG00000157045.8 | 5.67884054 | 6.288289047 | 6.415615786 |
| YAP1 | ENSG00000137693.13 | 6.811991177 | 5.783801142 | 7.288197531 |
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| MT-TT | ENSG00000210195.2 | 5.747808527 | 7.383872058 | 6.513065975 |
| NUMA1 | ENSG00000137497.17 | 6.947221988 | 5.796871099 | 6.130453895 |
| RAF1 | ENSG00000132155.11 | 6.770647791 | 6.470613582 | 5.862086814 |
| DUSP14 | ENSG00000276023.4 | 6.572147274 | 6.486826603 | 6.529895097 |
| TPGS2 | ENSG00000134779.14 | 6.036392414 | 6.473196444 | 5.76004685 |
| ARHGAP1 | ENSG00000175220.11 | 6.693093517 | 6.670302692 | 6.998870203 |
| GTF2H1 | ENSG00000110768.11 | 5.813078882 | 6.499008756 | 5.720485397 |
| CMPK1 | ENSG00000162368.13 | 7.205173939 | 6.352529105 | 5.901727835 |
| UBA3 | ENSG00000144744.16 | 6.469204381 | 6.487832636 | 5.854406404 |
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| MRPL17 | ENSG00000158042.8 | 6.128908962 | 6.576001518 | 5.826606841 |
| BCCIP | ENSG00000107949.16 | 7.538442716 | 6.21013668 | 6.241893629 |
| FAF2 | ENSG00000113194.12 | 6.544148222 | 5.928471931 | 5.726355524 |
| AKT2 | ENSG00000105221.16 | 6.660933723 | 6.712927706 | 6.893966092 |
| CDK2 | ENSG00000123374.10 | 6.459907058 | 9.472390578 | 5.867567803 |
| ATP6V1H | ENSG00000047249.17 | 5.723019963 | 6.347321471 | 6.505591449 |
| SS18 | ENSG00000141380.13 | 6.250249478 | 6.435034765 | 5.671353498 |
| UGGT1 | ENSG00000136731.12 | 5.962306913 | 6.146211837 | 5.670636553 |
| EZR | ENSG00000092820.17 | 6.508500144 | 5.679376146 | 5.9477238 |
| UBE2Q1 | ENSG00000160714.9 | 6.935669065 | 6.840086593 | 5.988212541 |
| SRRM1 | ENSG00000133226.16 | 6.486440238 | 6.337591165 | 5.761969172 |
| MRPS12 | ENSG00000128626.11 | 6.796046486 | 6.724445517 | 5.733624064 |
| KBTBD2 | ENSG00000170852.10 | 5.703543625 | 5.945674056 | 6.132552224 |
| ABCE1 | ENSG00000164163.10 | 7.041516513 | 6.411509876 | 5.742426236 |
| PRKD3 | ENSG00000115825.9 | 5.789825898 | 8.049193994 | 7.336147277 |
| MRPS21 | ENSG00000266472.5 | 7.292966441 | 7.221691689 | 5.650221031 |
| WASF2 | ENSG00000158195.10 | 6.528197362 | 6.517610758 | 6.481902704 |
| ZFAND6 | ENSG00000086666.18 | 5.906560272 | 6.099503713 | 6.446548611 |
| CNOT9 | ENSG00000144580.13 | 5.85840082 | 6.247761412 | 5.783196294 |
| EMC3 | ENSG00000125037.12 | 5.883674323 | 5.994697618 | 5.703637757 |
| AIFM1 | ENSG00000156709.13 | 6.547310108 | 6.99133348 | 6.183537198 |
| SAT1 | ENSG00000130066.16 | 5.681281317 | 7.752494519 | 10.06760739 |
| MAGOH | ENSG00000162385.10 | 7.424719328 | 6.134036628 | 5.752488058 |
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| PRCC | ENSG00000143294.14 | 7.573524618 | 6.881450241 | 5.723153573 |
| NCAPG2 | ENSG00000146918.19 | 5.981083638 | 6.157107552 | 5.716478591 |
| ID3 | ENSG00000117318.8 | 7.339714211 | 7.589993647 | 6.080752757 |
| CEBPB | ENSG00000172216.5 | 6.835778048 | 6.903258425 | 7.829403588 |
| FURIN | ENSG00000140564.11 | 6.887158135 | 6.59302552 | 5.668987694 |
| CBX6 | ENSG00000183741.11 | 6.143708125 | 6.069685964 | 5.759158633 |
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| DAP | ENSG00000112977.15 | 7.483374446 | 7.605187845 | 6.286457033 |
| PPP2R1A | ENSG00000105568.17 | 7.163895591 | 6.449547413 | 6.36590229 |
| ATP6AP1 | ENSG00000071553.16 | 6.35699718 | 6.655900075 | 6.635926192 |
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| SPRED2 | ENSG00000198369.9 | 6.07358598 | 6.630989536 | 5.723831921 |
| KIFC3 | ENSG00000140859.15 | 6.953058274 | 5.67262008 | 6.403149681 |
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| RRBP1 | ENSG00000125844.15 | 6.890744427 | 7.345019968 | 5.729658562 |
| THOC2 | ENSG00000125676.19 | 6.793087469 | 6.212354815 | 5.895326282 |
| WASL | ENSG00000106299.7 | 5.62079829 | 6.569977042 | 7.030402567 |
| PTPN12 | ENSG00000127947.15 | 6.805917972 | 6.739627543 | 5.750903531 |
| BPTF | ENSG00000171634.16 | 5.832621697 | 6.042509021 | 6.311025357 |
| PCMT1 | ENSG00000120265.16 | 7.246447822 | 6.545015391 | 5.715378898 |
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| B3GAT3 | ENSG00000149541.9 | 6.610462959 | 5.672975986 | 6.151749948 |
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| SAMD4B | ENSG00000179134.15 | 6.835464813 | 7.702140744 | 6.697356594 |
| ERI3 | ENSG00000117419.14 | 6.653112427 | 6.094283746 | 5.754130326 |
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| GNA13 | ENSG00000120063.9 | 5.937528037 | 6.037186977 | 6.950043082 |
| TXNDC12 | ENSG00000117862.11 | 6.616702381 | 5.981245746 | 5.622308086 |
| CCAR1 | ENSG00000060339.13 | 6.813362358 | 6.296554291 | 5.795228387 |
| FUCA2 | ENSG00000001036.13 | 5.644666712 | 5.621468212 | 5.94328968 |
| SMARCD2 | ENSG00000108604.15 | 6.665040929 | 6.570411074 | 6.477374941 |
| ATG101 | ENSG00000123395.14 | 7.125527265 | 6.587711382 | 5.647743754 |
| PLD3 | ENSG00000105223.19 | 6.048178691 | 7.218400901 | 5.797638067 |
| RPL7L1 | ENSG00000146223.14 | 6.430940001 | 6.161775494 | 6.112836325 |
| TMEM59 | ENSG00000116209.11 | 6.563364206 | 6.167837119 | 6.053835987 |
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| DNAJC3 | ENSG00000102580.14 | 5.849737519 | 5.807052934 | 5.905062575 |
| PLIN3 | ENSG00000105355.8 | 5.970745068 | 6.554099493 | 5.718471683 |
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| LHFPL2 | ENSG00000145685.13 | 5.83012862 | 5.626187597 | 6.715600033 |
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| DPP9 | ENSG00000142002.16 | 6.464140259 | 6.589762655 | 6.160461829 |
| PUM2 | ENSG00000055917.15 | 6.156102528 | 5.922159698 | 6.194974251 |
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| NCAPD2 | ENSG00000010292.12 | 7.653695059 | 5.790228181 | 5.709884472 |
| NPEPPS | ENSG00000141279.15 | 6.407473779 | 6.227932961 | 6.688844697 |
| SPRED1 | ENSG00000166068.12 | 5.94053149 | 5.64987782 | 5.716792189 |
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| PRMT2 | ENSG00000160310.17 | 5.712850196 | 6.222574155 | 7.323596305 |
| RNF14 | ENSG00000013561.17 | 5.80934919 | 5.726866164 | 6.851677895 |
| CLPP | ENSG00000125656.8 | 6.742897638 | 5.85334813 | 6.067411558 |
| SF3A3 | ENSG00000183431.11 | 7.588191647 | 6.514701236 | 5.686760413 |
| SEC16A | ENSG00000148396.18 | 6.247781206 | 7.379336744 | 7.179316752 |
| UBE2I | ENSG00000103275.19 | 6.058416879 | 5.918771038 | 6.526335349 |
| MAP1LC3B | ENSG00000140941.12 | 6.159723857 | 7.218117732 | 7.567544414 |
| HLA-B | ENSG00000234745.10 | 8.639388331 | 6.161997125 | 5.745443925 |
| TUSC3 | ENSG00000104723.20 | 6.548417568 | 5.762981388 | 7.679891173 |
| ITGAV | ENSG00000138448.11 | 5.641460536 | 6.708645596 | 6.176680679 |
| CLCN7 | ENSG00000103249.17 | 5.749658611 | 7.614098886 | 8.602250067 |
| ARFGEF2 | ENSG00000124198.8 | 5.630332013 | 5.855971637 | 6.281265878 |
| NOL11 | ENSG00000130935.9 | 6.600428293 | 5.733543571 | 5.696443444 |
| HARS | ENSG00000170445.12 | 6.976206583 | 5.657448355 | 6.097090793 |
| SLC16A1 | ENSG00000155380.11 | 6.72288035 | 5.613818255 | 5.987335628 |
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| MAGED1 | ENSG00000179222.17 | 6.794006381 | 8.174238519 | 5.670181052 |
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| HACD3 | ENSG00000074696.12 | 5.942632128 | 6.094503041 | 6.03165171 |
| GGNBP2 | ENSG00000278311.4 | 6.10964429 | 6.256320918 | 6.65337611 |
| STK25 | ENSG00000115694.14 | 5.673020941 | 6.11780474 | 5.792949629 |
| M6PR | ENSG00000003056.7 | 6.320809419 | 6.831228708 | 6.205590513 |
| MICALL1 | ENSG00000100139.13 | 6.567774639 | 6.154866629 | 6.575823255 |
| TIMMDC1 | ENSG00000113845.9 | 6.243804522 | 6.668177175 | 5.883573086 |
| MINOS1 | ENSG00000173436.13 | 5.924567707 | 5.980804047 | 5.962112545 |
| UBL7 | ENSG00000138629.15 | 6.944062076 | 6.382364406 | 6.047171671 |
| ADAM9 | ENSG00000168615.11 | 5.95708423 | 5.660645579 | 6.66238952 |
| FEN1 | ENSG00000168496.3 | 7.659286649 | 6.538916618 | 5.737166607 |
| PLBD2 | ENSG00000151176.7 | 5.66829962 | 7.324249124 | 5.590095234 |
| FARSB | ENSG00000116120.9 | 5.6877115 | 6.292591361 | 5.575238572 |
| PTPMT1 | ENSG00000110536.13 | 6.376953957 | 6.505691622 | 6.237485798 |
| METTL9 | ENSG00000197006.13 | 5.823826805 | 6.857213696 | 9.594665273 |
| ASXL1 | ENSG00000171456.16 | 6.003572494 | 5.615859162 | 7.292023014 |
| EDEM1 | ENSG00000134109.10 | 6.450786577 | 6.420512952 | 6.386793233 |
| REXO2 | ENSG00000076043.9 | 6.723462802 | 6.732194852 | 6.697868448 |
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| PPP1R15A | ENSG00000087074.7 | 6.452776795 | 7.617204878 | 8.541111574 |
| MIEF1 | ENSG00000100335.13 | 6.625718812 | 6.619675286 | 6.696885727 |
| AHNAK | ENSG00000124942.13 | 7.21557244 | 6.473911261 | 6.333716775 |
| MRPS10 | ENSG00000048544.5 | 5.584336407 | 6.272370266 | 6.343913123 |
| DERL1 | ENSG00000136986.9 | 6.029138984 | 5.71907444 | 5.960225014 |
| NDUFC1 | ENSG00000109390.11 | 6.394900318 | 5.817318653 | 6.432728563 |
| DDX6 | ENSG00000110367.11 | 6.757700753 | 5.686399934 | 6.550961756 |
| CIRBP | ENSG00000099622.13 | 6.571241662 | 5.853206659 | 6.622610599 |
| MRPL14 | ENSG00000180992.6 | 6.160003407 | 5.766888612 | 5.902869523 |

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| POLR2J | ENSG00000005075.15 | 6.198431015 | 6.280209906 | 5.638269386 |
| FOXM1 | ENSG00000111206.12 | 6.696453448 | 5.912651646 | 5.932808191 |
| GNA11 | ENSG00000088256.8 | 6.088854798 | 6.146910412 | 5.898910262 |
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| LMNB2 | ENSG00000176619.12 | 6.871411772 | 7.174619966 | 5.666135848 |
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| RBM4 | ENSG00000173933.19 | 5.826219389 | 5.602452154 | 6.019531496 |
| CCNL2 | ENSG00000221978.11 | 6.091208921 | 7.011008377 | 6.495202306 |
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| ARFGAP1 | ENSG00000101199.12 | 6.100812307 | 6.957199448 | 7.092234317 |
| NACC1 | ENSG00000160877.5 | 7.646343266 | 6.940668035 | 6.25480695 |
| DAZAP2 | ENSG00000183283.15 | 6.2604143 | 6.217143215 | 6.241431748 |
| SCRIB | ENSG00000180900.18 | 6.510092133 | 6.464160743 | 6.277660782 |
| SYF2 | ENSG00000117614.9 | 6.99516179 | 6.649959125 | 6.029783359 |
| NENF | ENSG00000117691.9 | 6.746665438 | 5.634904149 | 6.297470437 |
| RETREG2 | ENSG00000144567.10 | 5.563140442 | 6.586403544 | 6.099952959 |
| MT-TE | ENSG00000210194.1 | 5.890510508 | 7.172001608 | 5.984378405 |
| ARGLU1 | ENSG00000134884.13 | 6.568579924 | 6.068409158 | 6.027471953 |
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| TERF2IP | ENSG00000166848.5 | 7.120356101 | 6.197256322 | 7.16677756 |
| TSC2 | ENSG00000103197.16 | 6.895596678 | 5.767651318 | 6.154226374 |
| PSMG1 | ENSG00000183527.11 | 6.741769517 | 6.520261671 | 6.537520518 |
| MYO19 | ENSG00000278259.4 | 6.55578218 | 5.920501456 | 6.054957546 |
| ACSL4 | ENSG00000068366.19 | 5.866421617 | 6.237479117 | 6.354066241 |
| GLRX3 | ENSG00000108010.11 | 7.622728846 | 5.847989406 | 6.308893235 |
| PRR13 | ENSG00000205352.10 | 6.092412769 | 6.382412355 | 5.845302206 |
| TMEM30A | ENSG00000112697.15 | 6.437146509 | 6.407741436 | 5.924037376 |
| CD164 | ENSG00000135535.15 | 6.245062154 | 6.734340315 | 7.706407915 |
| YIPF5 | ENSG00000145817.16 | 5.684731337 | 6.040378551 | 6.000889343 |
| NPC1 | ENSG00000141458.12 | 5.591851774 | 7.683792323 | 6.594128175 |
| SLC25A11 | ENSG00000108528.13 | 6.627685122 | 5.66087957 | 6.007573031 |
| SUB1 | ENSG00000113387.11 | 6.834715382 | 5.933626361 | 5.956871743 |
| FASTK | ENSG00000164896.19 | 5.570848097 | 6.940364298 | 6.425377355 |
| MRPL40 | ENSG00000185608.8 | 5.845043808 | 5.917400423 | 5.579701349 |
| MTG2 | ENSG00000101181.17 | 6.096654069 | 5.640828522 | 6.132110641 |
| MIDN | ENSG00000167470.12 | 5.586849842 | 6.554919811 | 5.728652849 |
| CPSF3 | ENSG00000119203.13 | 7.259047936 | 6.708117377 | 5.598920305 |
| ANKRD40 | ENSG00000154945.6 | 6.127854557 | 5.63490099 | 6.271455941 |
| PDXDC1 | ENSG00000179889.18 | 5.904864572 | 6.703368619 | 7.7894488 |
| DKC1 | ENSG00000130826.17 | 7.172864091 | 6.385026435 | 5.593017609 |
| GLRX2 | ENSG00000023572.8 | 7.028852851 | 5.625243229 | 7.103390024 |
| HOXB7 | ENSG00000260027.4 | 5.636576958 | 5.695612604 | 5.791652351 |
| DTD1 | ENSG00000125821.11 | 6.628606444 | 6.19885773 | 5.608279506 |
| C12orf10 | ENSG00000139637.13 | 7.098173295 | 5.848715193 | 5.702909758 |

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| DDRGK1 | ENSG00000198171.12 | 6.283298701 | 5.97424233 | 5.55003894 |
| DNAJC11 | ENSG00000007923.15 | 6.186717417 | 6.231699145 | 5.643316598 |
| GRSF1 | ENSG00000132463.13 | 5.620187374 | 6.905883159 | 7.101424903 |
| UBXN1 | ENSG00000162191.13 | 7.153586838 | 6.013264264 | 6.836478098 |
| ACTR3 | ENSG00000115091.11 | 5.877486672 | 6.687923752 | 6.279033053 |
| IDI1 | ENSG00000067064.10 | 5.613318174 | 5.810537384 | 6.927800359 |
| SH3GL1 | ENSG00000141985.9 | 7.111991996 | 6.630438465 | 5.554604693 |
| MAGEF1 | ENSG00000177383.4 | 6.520327568 | 6.324348232 | 6.033643843 |
| CALCOCO2 | ENSG00000136436.14 | 6.505599874 | 5.776215715 | 6.251820327 |
| MAD2L1BP | ENSG00000124688.13 | 5.687822796 | 7.040879875 | 7.232779465 |
| AIMP2 | ENSG00000106305.9 | 6.922870374 | 6.458843457 | 5.707329778 |
| LAMTOR1 | ENSG00000149357.9 | 6.50120258 | 6.198393974 | 5.900932018 |
| ZNF622 | ENSG00000173545.4 | 6.668885487 | 6.938811167 | 7.762468277 |
| SMIM15 | ENSG00000188725.7 | 6.534087289 | 5.569409547 | 6.334394419 |
| MTOR | ENSG00000198793.12 | 5.928417255 | 6.358713225 | 5.560073512 |
| INTS11 | ENSG00000127054.20 | 6.278737699 | 6.263875122 | 6.08212131 |
| KIF3B | ENSG00000101350.7 | 5.940543915 | 5.665029946 | 6.316102275 |
| ADSL | ENSG00000239900.12 | 6.163118965 | 5.895451268 | 5.886460819 |
| STXBP1 | ENSG00000136854.19 | 5.694122432 | 8.262478014 | 7.515886734 |
| TMEM50A | ENSG00000183726.10 | 6.290063664 | 6.452364122 | 6.035071253 |
| CELF1 | ENSG00000149187.18 | 6.138554431 | 5.801345708 | 5.635715164 |
| GLA | ENSG00000102393.9 | 6.094547336 | 7.263464048 | 5.895881426 |
| SLC30A5 | ENSG00000145740.18 | 6.638388541 | 6.02296989 | 6.272122821 |
| CPNE3 | ENSG00000085719.12 | 6.899466606 | 6.057787017 | 6.588290363 |
| LYST | ENSG00000143669.13 | 5.633687628 | 5.801058669 | 7.64164022 |
| ZNF384 | ENSG00000126746.17 | 6.577580675 | 5.687038882 | 5.783768121 |
| UNC50 | ENSG00000115446.11 | 5.572949933 | 6.325372837 | 5.977882041 |
| MARVELD1 | ENSG00000155254.12 | 6.130670385 | 5.957758515 | 5.652580833 |
| URI1 | ENSG00000105176.17 | 6.521850567 | 6.729101183 | 6.260469195 |
| CCNH | ENSG00000134480.13 | 6.323728149 | 6.147545098 | 5.799511236 |
| ADSS | ENSG00000035687.9 | 6.883278553 | 5.628850969 | 5.742895299 |
| TCEAL9 | ENSG00000185222.8 | 5.589584884 | 7.636837235 | 6.923716343 |
| MCM5 | ENSG00000100297.15 | 6.291338133 | 5.839561536 | 5.701674817 |
| SYNCRIP | ENSG00000135316.17 | 7.374463364 | 6.172180457 | 5.550341557 |
| TCTA | ENSG00000145022.4 | 5.678879711 | 6.174012931 | 5.560647997 |
| PIGS | ENSG00000087111.20 | 6.741747835 | 6.029820598 | 5.902479754 |
| SART1 | ENSG00000175467.14 | 6.643296292 | 5.81744902 | 5.592191989 |
| EPS8 | ENSG00000151491.12 | 6.41211879 | 6.391467503 | 5.602205058 |
| AGRN | ENSG00000188157.14 | 5.605127236 | 7.129963344 | 5.584304132 |
| THAP4 | ENSG00000176946.11 | 5.533025742 | 5.908084754 | 5.641256691 |
| AKR7A2 | ENSG00000053371.12 | 6.5394916 | 6.28645521 | 5.996834454 |
| BANF1 | ENSG00000175334.7 | 7.204962063 | 6.089751941 | 5.894467905 |
| CSTB | ENSG00000160213.6 | 5.585084327 | 8.033908662 | 7.39466521 |
| MPG | ENSG00000103152.11 | 7.139952316 | 6.437368994 | 6.734563953 |
| NOLC1 | ENSG00000166197.16 | 7.744752073 | 6.403905517 | 5.651953335 |
| C12orf57 | ENSG00000111678.10 | 6.935860693 | 5.569072589 | 5.855210045 |

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| NFE2L2 | ENSG00000116044.15 | 5.794780737 | 6.14379548 | 5.740483978 |
| UGP2 | ENSG00000169764.15 | 7.344338089 | 6.608137586 | 6.741393627 |
| OGFR | ENSG00000060491.16 | 6.214604209 | 5.873710343 | 6.259992747 |
| RANGAP1 | ENSG00000100401.19 | 6.914466149 | 6.267519483 | 5.671741692 |
| CDK5RAP3 | ENSG00000108465.14 | 5.757523142 | 6.335290002 | 7.363049502 |
| DDFA | ENSG00000160049.11 | 6.230282129 | 6.342779222 | 5.564321996 |
| DDX23 | ENSG00000174243.9 | 6.801777257 | 6.589368194 | 5.604853214 |
| SEC11C | ENSG00000166562.8 | 5.663372141 | 7.399494087 | 6.291962489 |
| PAF1 | ENSG00000006712.14 | 6.481225223 | 6.480628982 | 5.673139362 |
| UCKL1 | ENSG00000198276.15 | 5.61830792 | 5.621022819 | 6.10533896 |
| RCC1L | ENSG00000274523.4 | 6.769204941 | 6.389935533 | 5.528266726 |
| DDX46 | ENSG00000145833.15 | 7.361889614 | 5.594134179 | 5.744282197 |
| RNF167 | ENSG00000108523.15 | 6.65351818 | 5.872867257 | 5.713452291 |
| SFXN1 | ENSG00000164466.12 | 6.431731174 | 5.827344153 | 6.110244975 |
| C8orf59 | ENSG00000176731.11 | 6.516456474 | 6.398018322 | 6.176034033 |
| CTNND1 | ENSG00000198561.13 | 6.050126238 | 6.605012525 | 5.605292255 |
| GNL2 | ENSG00000134697.12 | 7.199912127 | 6.071908744 | 5.588442601 |
| BRD4 | ENSG00000141867.17 | 6.806496079 | 6.065355345 | 6.463505898 |
| NASP | ENSG00000132780.16 | 7.258599196 | 6.289789456 | 5.869160524 |
| TEX264 | ENSG00000164081.12 | 6.166124923 | 6.207976293 | 6.182288962 |
| HPRT1 | ENSG00000165704.14 | 6.546617165 | 6.027123435 | 5.499000371 |
| EMC2 | ENSG00000104412.7 | 5.546214661 | 6.096074069 | 6.209387457 |
| CHTOP | ENSG00000160679.12 | 6.713309014 | 6.408172856 | 5.691557354 |
| UTP3 | ENSG00000132467.3 | 6.360214978 | 6.380704821 | 5.895658706 |
| EIF2S1 | ENSG00000134001.12 | 6.903505203 | 5.78698545 | 6.326238151 |
| TUG1 | ENSG00000253352.8 | 5.957043866 | 5.79438965 | 6.655082952 |
| MAT2B | ENSG00000038274.16 | 6.59759271 | 5.524329479 | 6.152970858 |
| UQCRFS1 | ENSG00000169021.5 | 5.92161629 | 6.539055753 | 5.737664445 |
| MRPL32 | ENSG00000106591.3 | 6.268414841 | 6.64662671 | 5.573521015 |
| C7orf49 | ENSG00000122783.16 | 6.096424338 | 5.665156888 | 5.502350282 |
| ANKRD28 | ENSG00000206560.11 | 6.021271683 | 6.498701614 | 6.430369446 |
| CCAR2 | ENSG00000158941.16 | 6.626576965 | 5.515957571 | 6.199028651 |
| NDUFAF2 | ENSG00000164182.10 | 6.32376205 | 5.485963283 | 5.643356611 |
| TMBIM1 | ENSG00000135926.14 | 5.60335018 | 7.624290789 | 7.504888857 |
| PACSIN2 | ENSG00000100266.18 | 5.576048438 | 7.258452604 | 9.252513516 |
| RBM5 | ENSG00000003756.16 | 5.959039073 | 6.270633097 | 5.785216787 |
| MRPL38 | ENSG00000204316.12 | 6.436535127 | 6.233407746 | 6.704574606 |
| WDR26 | ENSG00000162923.14 | 6.881364489 | 6.205502782 | 6.524201148 |
| TGOLN2 | ENSG00000152291.13 | 6.292367668 | 7.502582411 | 5.810626001 |
| ELK1 | ENSG00000126767.17 | 6.717281924 | 6.318428366 | 5.956661696 |
| APMAP | ENSG00000101474.11 | 7.309936055 | 7.397835738 | 5.504432301 |
| EIF1B | ENSG00000114784.3 | 6.629603096 | 6.119048164 | 6.72525653 |
| ISCU | ENSG00000136003.15 | 6.025098262 | 6.194516811 | 6.403424301 |
| FBXO18 | ENSG00000134452.19 | 5.517678366 | 6.655022445 | 5.655663181 |
| PITPNB | ENSG00000180957.17 | 6.355627972 | 6.420874682 | 6.533263326 |
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| TMEM126B | ENSG00000171204.12 | 5.977565319 | 5.775451109 | 5.580299438 |
| TOPBP1 | ENSG00000163781.12 | 6.56270613 | 6.179196675 | 5.50648003 |
| DNM1L | ENSG00000087470.17 | 6.902977878 | 5.825993055 | 5.510247365 |
| CAMTA1 | ENSG00000171735.18 | 5.951392478 | 6.404288156 | 6.445099907 |
| ZFR | ENSG00000056097.15 | 6.754121819 | 6.341186459 | 6.247302091 |
| TMEM179B | ENSG00000185475.10 | 6.791343185 | 5.918697044 | 5.567681245 |
| BAMBI | ENSG00000095739.10 | 6.266659044 | 8.506934096 | 7.849972051 |
| SLC25A36 | ENSG00000114120.11 | 6.091730697 | 6.524148055 | 6.334330329 |
| TBCB | ENSG00000105254.11 | 6.652320893 | 6.19626328 | 6.68160908 |
| USP4 | ENSG00000114316.12 | 5.952284157 | 5.717664471 | 5.780322942 |
| RNF213 | ENSG00000173821.19 | 5.830910828 | 6.287865577 | 5.697934596 |
| ATG4B | ENSG00000168397.16 | 5.653394809 | 5.645573367 | 6.436129134 |
| HRAS | ENSG00000174775.16 | 6.160593528 | 6.3319505 | 5.902979627 |
| TMEM126A | ENSG00000171202.6 | 6.027311584 | 5.767481379 | 6.174894077 |
| ENO2 | ENSG00000111674.8 | 5.588483446 | 5.759185268 | 7.438339016 |
| EIF2B5 | ENSG00000145191.12 | 5.500445288 | 5.757721297 | 5.678790554 |
| NOB1 | ENSG00000141101.12 | 7.024392011 | 6.167422254 | 5.774450537 |
| TK1 | ENSG00000167900.11 | 6.783333238 | 5.528359514 | 5.758604402 |
| TRAPPC12 | ENSG00000171853.15 | 5.781483858 | 5.995859717 | 5.734984722 |
| RFX5 | ENSG00000143390.17 | 7.17813156 | 6.788003486 | 5.550341062 |
| TIMM44 | ENSG00000104980.7 | 6.439236708 | 5.712278001 | 6.658370866 |
| PCNP | ENSG00000081154.11 | 6.091636358 | 5.86874874 | 5.491099299 |
| ATG9A | ENSG00000198925.10 | 5.753287234 | 5.495768672 | 5.619093858 |
| SRPX | ENSG00000101955.14 | 7.916993865 | 7.431932202 | 5.464888899 |
| NAA50 | ENSG00000121579.12 | 6.78694738 | 6.328580178 | 6.008706339 |
| MED15 | ENSG00000099917.17 | 5.539062564 | 6.773681474 | 6.663429048 |
| RNF5 | ENSG00000204308.7 | 6.280391051 | 5.897843692 | 6.190874089 |
| DNAJC13 | ENSG00000138246.15 | 5.659726059 | 6.229997077 | 6.018140265 |
| CLUH | ENSG00000132361.16 | 6.231217225 | 6.000148704 | 6.160526655 |
| TMEM127 | ENSG00000135956.8 | 5.471951241 | 6.183541739 | 6.244464191 |
| BRIX1 | ENSG00000113460.12 | 6.980590207 | 5.967016461 | 5.564036848 |
| DCAF8 | ENSG00000132716.18 | 6.438603893 | 6.848338282 | 6.303341885 |
| SMARCE1 | ENSG00000073584.18 | 5.918788944 | 5.891449067 | 6.219513765 |
| UBLCP1 | ENSG00000164332.7 | 6.055076343 | 5.664250292 | 5.510729087 |
| SUPT4H1 | ENSG00000213246.6 | 6.389623406 | 6.000672789 | 6.066796554 |
| ECI2 | ENSG00000198721.12 | 5.724578708 | 5.680111842 | 6.24247637 |
| SCAP | ENSG00000114650.18 | 6.319801321 | 6.23448363 | 5.565384639 |
| MED24 | ENSG00000008838.19 | 5.783651808 | 6.277870833 | 6.457881243 |
| PTPRA | ENSG00000132670.20 | 5.933904976 | 5.879811552 | 5.501007351 |
| USP33 | ENSG00000077254.14 | 5.953704717 | 5.495726661 | 5.668699711 |
| STX3 | ENSG00000166900.16 | 5.674521661 | 6.258132773 | 6.389492288 |
| PSPC1 | ENSG00000121390.18 | 6.271250791 | 5.830572524 | 5.495337771 |
| SMARCA5 | ENSG00000153147.5 | 5.682988217 | 5.504004921 | 5.46485101 |
| SPG7 | ENSG00000197912.14 | 5.861508838 | 5.994545401 | 5.702139924 |
| MFAP1 | ENSG00000140259.6 | 6.232559125 | 5.660050707 | 5.716486892 |
| CD2BP2 | ENSG00000169217.8 | 6.624257216 | 5.914957963 | 5.947843095 |

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| AP1B1 | ENSG00000100280.16 | 6.220779404 | 6.680826926 | 6.76597435 |
| SAAL1 | ENSG00000166788.9 | 6.681033912 | 5.922492282 | 5.569616674 |
| PRKAG1 | ENSG00000181929.11 | 7.479624536 | 6.461916375 | 6.019515412 |
| RNF40 | ENSG00000103549.21 | 6.317515486 | 5.594449513 | 5.93419919 |
| RFC2 | ENSG00000049541.10 | 6.505230242 | 6.050867733 | 5.444672369 |
| ACADM | ENSG00000117054.13 | 5.922502592 | 5.655510497 | 5.916066007 |
| CDK1 | ENSG00000170312.15 | 7.079316627 | 5.497781992 | 5.809928729 |
| CPOX | ENSG00000080819.6 | 6.168423392 | 5.708572956 | 5.587884193 |
| FOXK2 | ENSG00000141568.20 | 5.883973671 | 5.97241396 | 6.387284462 |
| STK10 | ENSG00000072786.12 | 5.883517884 | 5.593143498 | 6.804692478 |
| ALDH9A1 | ENSG00000143149.12 | 6.604783339 | 5.944893461 | 5.948540095 |
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| NMT1 | ENSG00000136448.11 | 5.985839095 | 5.79332916 | 6.088358343 |
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| CNPY3 | ENSG00000137161.16 | 5.448166752 | 6.543750566 | 5.854476129 |
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| SMPD4 | ENSG00000136699.19 | 5.646008575 | 6.366812138 | 5.443621824 |
| FBXO11 | ENSG00000138081.20 | 6.082462807 | 6.167128013 | 5.462803985 |
| MRPL35 | ENSG00000132313.14 | 5.753012928 | 6.020548339 | 5.510025693 |
| NOP2 | ENSG00000111641.11 | 6.87318163 | 6.076762417 | 5.770179302 |
| TUBA1C | ENSG00000167553.15 | 8.398838913 | 7.857738322 | 5.541644267 |
| EFCAB14 | ENSG00000159658.10 | 5.461846124 | 6.205380082 | 5.698298686 |
| ZNF638 | ENSG00000075292.18 | 6.481413943 | 6.589297438 | 5.569938188 |
| GIGYF2 | ENSG00000204120.14 | 5.545532515 | 6.117149875 | 6.151239767 |
| NDE1 | ENSG00000072864.14 | 6.78898772 | 5.436604958 | 8.204002228 |
| SDAD1 | ENSG00000198301.11 | 5.706680986 | 5.823897468 | 5.522483018 |
| DPY19L1 | ENSG00000173852.14 | 5.931937971 | 6.261358551 | 5.653511196 |
| CSNK1G2 | ENSG00000133275.15 | 5.896256318 | 6.973579891 | 5.97062583 |
| UBE4B | ENSG00000130939.18 | 6.030786616 | 6.080752522 | 6.001067444 |
| EIF4G3 | ENSG00000075151.20 | 6.628069956 | 6.97851 | 6.803681059 |
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| PAPSS1 | ENSG00000138801.8 | 6.301772489 | 5.827636955 | 5.860570072 |
| ATP13A1 | ENSG00000105726.16 | 7.102608476 | 6.405714963 | 5.518890976 |
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| MRPL44 | ENSG00000135900.3 | 5.46956824 | 6.641766957 | 6.536756817 |
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| NMD3 | ENSG00000169251.12 | 6.150368638 | 5.942623055 | 5.723502118 |
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| KIAA1191 | ENSG00000122203.14 | 5.896460684 | 6.514379451 | 6.369530113 |
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| PSMF1 | ENSG00000125818.17 | 6.423212624 | 6.405399256 | 5.533536805 |
| ARFGAP2 | ENSG00000149182.14 | 6.130329349 | 5.657752328 | 6.46928913 |
| COX14 | ENSG00000178449.8 | 6.221195062 | 5.689307031 | 5.681787184 |
| MGME1 | ENSG00000125871.13 | 5.575328912 | 5.533733152 | 5.49635853 |
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| PTCD3 | ENSG00000132300.18 | 5.492957334 | 5.978678619 | 5.409139814 |
| CHD1L | ENSG00000131778.18 | 6.141215037 | 5.991319238 | 6.231762922 |
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| DEF8 | ENSG00000140995.16 | 5.923590754 | 6.131965638 | 6.424712297 |
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| C19orf70 | ENSG00000174917.8 | 7.112950849 | 5.801238954 | 5.911175093 |
| JOSD1 | ENSG00000100221.10 | 5.495703129 | 6.391485553 | 5.975286017 |
| INCENP | ENSG00000149503.12 | 7.049475889 | 5.891968216 | 5.394314879 |
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| RALBP1 | ENSG00000017797.12 | 5.727382305 | 6.55299135 | 6.061313381 |
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| SRSF2 | ENSG00000161547.16 | 6.953228854 | 6.007055262 | 5.801959547 |
| SEC13 | ENSG00000157020.17 | 7.122798172 | 7.359975274 | 5.48265514 |
| TPR | ENSG00000047410.13 | 6.977123134 | 5.594404026 | 5.421116726 |
| NADK | ENSG00000008130.15 | 5.770357453 | 5.97441329 | 5.44079064 |
| ERAL1 | ENSG00000132591.11 | 6.210329416 | 5.712983953 | 5.718500575 |
| VPS35 | ENSG00000069329.16 | 5.970099002 | 5.641436892 | 6.09291167 |
| ANKRD17 | ENSG00000132466.18 | 6.11916339 | 6.123219469 | 5.762670023 |
| IVD | ENSG00000128928.8 | 6.183013153 | 6.06559673 | 5.426679885 |
| RNF7 | ENSG00000114125.13 | 5.686224987 | 6.49730001 | 5.759077567 |
| ANXA7 | ENSG00000138279.15 | 6.394220772 | 5.879576341 | 6.141321473 |
| PSMD7 | ENSG00000103035.10 | 7.550175341 | 6.360028884 | 6.560157767 |

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| PPID | ENSG00000171497.4 | 6.45840929 | 5.378796052 | 5.724955679 |
| TRIM2 | ENSG00000109654.14 | 6.08942223 | 5.530682696 | 6.380492515 |
| DUS1L | ENSG00000169718.17 | 6.117210095 | 6.850068622 | 6.349477493 |
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| SPAG5 | ENSG00000076382.16 | 6.283270565 | 5.477313962 | 5.571977209 |
| PRPF4B | ENSG00000112739.16 | 5.737240527 | 5.784934022 | 6.034196534 |
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| PIP4K2B | ENSG00000276293.4 | 5.411841755 | 5.589020819 | 6.237984922 |
| MGEA5 | ENSG00000198408.13 | 6.325741543 | 6.122487158 | 6.326409028 |
| TNFRSF1A | ENSG00000067182.7 | 7.218613057 | 5.6990646 | 5.709513185 |
| BOP1 | ENSG00000261236.7 | 7.008671408 | 6.165085746 | 5.455784475 |
| IFNGR2 | ENSG00000159128.14 | 6.001002133 | 5.57937067 | 5.735577844 |
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| DDX56 | ENSG00000136271.10 | 7.241210022 | 7.010972958 | 5.839752654 |
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| CTDSP2 | ENSG00000175215.10 | 6.565726399 | 5.727392098 | 8.51856153 |
| UBQLN4 | ENSG00000160803.7 | 6.373720061 | 5.633178806 | 5.388865593 |
| PDLIM7 | ENSG00000196923.13 | 6.568762402 | 5.376666227 | 5.602559396 |
| RNASEH1 | ENSG00000171865.9 | 6.13150772 | 6.032224706 | 5.451383584 |
| POLR2F | ENSG00000100142.14 | 7.118326208 | 6.371164185 | 6.352867248 |
| SLC5A6 | ENSG00000138074.14 | 5.910147218 | 5.803656392 | 5.616613176 |
| MRPL41 | ENSG00000182154.7 | 6.397674368 | 7.333345972 | 6.336449274 |
| KLHDC3 | ENSG00000124702.17 | 7.228536396 | 5.729418273 | 5.571535556 |
| ATXN10 | ENSG00000130638.16 | 5.476013213 | 5.441651422 | 6.057369528 |
| BRD8 | ENSG00000112983.17 | 6.418998501 | 5.475662878 | 5.443507529 |
| PEF1 | ENSG00000162517.12 | 6.354234444 | 5.534945671 | 5.625815595 |
| PTRH2 | ENSG00000141378.14 | 5.920656189 | 6.465587178 | 5.868815441 |
| ERO1A | ENSG00000197930.12 | 5.68645724 | 5.662275743 | 5.624600546 |
| CEBPZ | ENSG00000115816.14 | 7.198293357 | 6.570777921 | 5.413415502 |
| MCRS1 | ENSG00000187778.13 | 6.629028664 | 5.43164132 | 5.645751297 |
| TIMM13 | ENSG00000099800.7 | 6.043264538 | 5.876026148 | 5.590025949 |
| GPBP1L1 | ENSG00000159592.10 | 6.350336846 | 5.604530866 | 5.61251818 |
| ITCH | ENSG00000078747.14 | 6.191595392 | 5.932379241 | 6.095516761 |
| HDDC2 | ENSG00000111906.17 | 6.123363035 | 5.767652058 | 6.202961291 |
| ECE1 | ENSG00000117298.14 | 5.978961369 | 7.447892926 | 5.406178349 |
| DVL3 | ENSG00000161202.17 | 5.395835591 | 6.042503605 | 6.020982265 |
| HCFC1 | ENSG00000172534.13 | 6.537699706 | 5.707247336 | 5.604603841 |
| NRAS | ENSG00000213281.4 | 6.274321533 | 5.990561993 | 5.927706925 |
| PPP1R7 | ENSG00000115685.14 | 5.635865226 | 5.940533761 | 5.869340518 |
| NUDT21 | ENSG00000167005.13 | 7.309558742 | 5.50504181 | 6.286228365 |
| CDK12 | ENSG00000167258.13 | 5.914576726 | 5.762147383 | 6.018863723 |
| SEC62 | ENSG00000008952.16 | 5.381556091 | 6.514497011 | 6.193606435 |
| GGT7 | ENSG00000131067.16 | 5.599395582 | 5.602317276 | 6.145291257 |
| SLC35C2 | ENSG00000080189.14 | 6.319008287 | 5.897335496 | 5.825907418 |
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| RAE1 | ENSG00000101146.12 | 6.566109393 | 5.541909725 | 5.89252489 |
| LSG1 | ENSG00000041802.10 | 5.614167644 | 6.48700097 | 5.408503703 |
| SNHG7 | ENSG00000233016.6 | 7.158056984 | 6.950142499 | 6.709963603 |
| CIZ1 | ENSG00000148337.20 | 6.786424862 | 6.496119193 | 5.481746946 |
| ANXA6 | ENSG00000197043.13 | 5.387134754 | 6.615078535 | 7.356011155 |
| EIF1AX | ENSG00000173674.10 | 6.58764437 | 5.411544785 | 5.577937661 |
| HMCES | ENSG00000183624.13 | 6.57651196 | 5.578068164 | 5.584872525 |
| KPNA1 | ENSG00000114030.12 | 6.048697862 | 5.651948584 | 5.875027611 |
| MPRIIP | ENSG00000133030.20 | 6.922962176 | 5.389379233 | 6.714670236 |
| KAT5 | ENSG00000172977.12 | 5.800063578 | 5.426996135 | 5.844559377 |
| NUP58 | ENSG00000139496.15 | 6.237687803 | 5.380600655 | 5.922178315 |
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| KIF23 | ENSG00000137807.13 | 6.382505222 | 5.493885145 | 5.801047746 |
| LSM10 | ENSG00000181817.5 | 6.277368083 | 5.997845491 | 5.879004237 |
| FAM234A | ENSG00000167930.15 | 6.177737815 | 5.460995802 | 5.555948426 |
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| MED1 | ENSG00000125686.11 | 6.229651469 | 5.721418493 | 6.503770992 |
| PPFIA1 | ENSG00000131626.16 | 6.051303971 | 6.629142483 | 5.97175193 |
| TMEM259 | ENSG00000182087.12 | 5.442311176 | 6.897007584 | 5.92796483 |
| OSBP | ENSG00000110048.11 | 5.891030705 | 5.732286894 | 6.005335557 |
| SCAF1 | ENSG00000126461.14 | 6.724247975 | 6.777971524 | 5.8488391 |
| SEPT10 | ENSG00000186522.14 | 5.485677195 | 6.338745113 | 6.287316574 |
| NCOR1 | ENSG00000141027.20 | 6.418476381 | 5.481155539 | 6.397153427 |
| IST1 | ENSG00000182149.20 | 6.092174739 | 6.68425083 | 7.179333345 |
| DVL2 | ENSG00000004975.11 | 6.011407027 | 5.389427556 | 5.400358897 |
| MCM6 | ENSG00000076003.4 | 6.377897061 | 5.865320315 | 5.459768018 |
| SKP1 | ENSG00000113558.18 | 7.644187795 | 5.916842626 | 7.359330284 |
| GLB1 | ENSG00000170266.15 | 5.729183632 | 6.782462321 | 5.420826344 |
| CCNL1 | ENSG00000163660.11 | 5.775700888 | 6.079142609 | 5.827054943 |
| NUTF2 | ENSG00000102898.11 | 7.065256581 | 5.578613328 | 6.205234335 |
| CHMP3 | ENSG00000115561.15 | 5.63724281 | 5.962927477 | 5.536507797 |
| SCARB1 | ENSG00000073060.15 | 7.207990831 | 8.277224145 | 9.066438028 |
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| SKA2 | ENSG00000182628.12 | 6.211472086 | 5.769850632 | 5.448331833 |
| UPP1 | ENSG00000183696.13 | 5.386470445 | 8.049121806 | 6.470015579 |
| DCAF13 | ENSG00000164934.13 | 6.633461398 | 5.332998206 | 5.601229231 |
| LPGAT1 | ENSG00000123684.12 | 6.086007143 | 5.35472366 | 6.125813344 |
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| RBM10 | ENSG00000182872.15 | 6.487919903 | 5.75263829 | 5.337676773 |
| TOMM40 | ENSG00000130204.12 | 6.950799642 | 5.979104677 | 5.524900525 |
| SUCLG2 | ENSG00000172340.14 | 6.663518797 | 5.756974579 | 5.391359892 |
| TMEM14A | ENSG00000096092.5 | 5.631423873 | 5.961479816 | 5.696963539 |
| CD320 | ENSG00000167775.10 | 7.108268918 | 6.383021476 | 5.770402435 |
| RERE | ENSG00000142599.17 | 6.104263107 | 6.003347529 | 6.919333615 |
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| UBE3A | ENSG00000114062.18 | 6.505350664 | 6.620913771 | 6.750094063 |
| MTX2 | ENSG00000128654.13 | 5.479818639 | 6.476811493 | 6.463478927 |
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| NDUFA7 | ENSG00000267855.5 | 6.496852913 | 6.551329765 | 5.513184419 |
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| ATL2 | ENSG00000119787.13 | 5.495477352 | 5.448426759 | 5.45259813 |
| ZMIZ2 | ENSG00000122515.14 | 5.45979671 | 5.786651337 | 5.350614661 |
| USP48 | ENSG00000090686.15 | 5.517073393 | 7.332025416 | 7.074076475 |
| SMG7 | ENSG00000116698.21 | 6.353614186 | 5.436736566 | 5.715054053 |
| PRPS1 | ENSG00000147224.10 | 5.984608918 | 5.946020624 | 5.40984697 |
| PXDC1 | ENSG00000168994.13 | 5.701871432 | 5.461336257 | 5.654235338 |
| NR1H2 | ENSG00000131408.13 | 6.618475305 | 6.490256696 | 6.717030126 |
| RTN3 | ENSG00000133318.13 | 6.93266534 | 6.108322267 | 6.548731595 |
| COPS2 | ENSG00000166200.14 | 6.327064927 | 6.031922371 | 5.969654369 |
| GPBP1 | ENSG00000062194.15 | 6.069868626 | 5.353996154 | 5.591715616 |
| KEAP1 | ENSG00000079999.13 | 5.965582216 | 5.605547793 | 5.564024501 |
| SSH1 | ENSG00000084112.14 | 6.147193029 | 6.746718071 | 7.035433905 |
| PET100 | ENSG00000229833.9 | 6.254558346 | 5.763170171 | 5.659734241 |
| PCYT1A | ENSG00000161217.11 | 5.456337115 | 5.787396839 | 5.483186989 |
| CTR9 | ENSG00000198730.7 | 5.734388477 | 5.793067411 | 5.309794085 |
| PBX2 | ENSG00000204304.11 | 5.716922863 | 6.266346052 | 5.677550371 |
| PKIG | ENSG00000168734.13 | 5.951773475 | 5.378542658 | 5.924957477 |
| NFIC | ENSG00000141905.18 | 6.220136034 | 6.254624601 | 5.748023122 |
| PARN | ENSG00000140694.16 | 6.485717566 | 5.79527983 | 5.81695725 |
| MAN1B1 | ENSG00000177239.14 | 5.74645422 | 6.615005359 | 5.38014615 |
| ARMC1 | ENSG00000104442.9 | 5.966902986 | 5.396203228 | 5.804601415 |
| LONP2 | ENSG00000102910.13 | 5.373286647 | 5.360019297 | 6.106909734 |
| WDR74 | ENSG00000133316.15 | 6.955858129 | 5.495417454 | 5.721039495 |
| KIAA2013 | ENSG00000116685.15 | 6.040475835 | 6.407208183 | 5.659393701 |
| MRPL19 | ENSG00000115364.13 | 6.322778534 | 6.117810355 | 5.402721504 |
| ZNF106 | ENSG00000103994.16 | 5.748777431 | 6.839943554 | 8.456563174 |
| HCCS | ENSG00000004961.14 | 6.24838698 | 5.39918204 | 5.370747286 |
| TMEM8A | ENSG00000129925.10 | 5.363336085 | 6.845035647 | 7.042604337 |
| YIF1B | ENSG00000167645.16 | 5.89871962 | 6.243865282 | 5.341798742 |
| ETV4 | ENSG00000175832.12 | 7.844048473 | 6.822436739 | 8.971186109 |
| UBAC2 | ENSG00000134882.15 | 6.155559886 | 5.580462527 | 6.160737229 |
| GPATCH4 | ENSG00000160818.16 | 7.447142459 | 6.287959216 | 5.393868905 |

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| FKBP9 | ENSG00000122642.10 | 5.716106734 | 6.853986791 | 6.798296033 |
| SCAMP4 | ENSG00000227500.9 | 5.309364056 | 5.973079544 | 5.854340994 |
| YES1 | ENSG00000176105.13 | 6.061843663 | 6.408754542 | 5.592474351 |
| PSME4 | ENSG00000068878.14 | 6.258611885 | 5.425432422 | 6.23825239 |
| SAP30BP | ENSG00000161526.14 | 5.759474563 | 5.623847925 | 6.105759399 |
| NUP93 | ENSG00000102900.12 | 6.751776612 | 7.322668299 | 6.063524145 |
| JPT1 | ENSG00000189159.15 | 7.237735102 | 5.501134402 | 6.270634233 |
| IP6K2 | ENSG00000068745.14 | 5.640394133 | 6.066757984 | 5.495902537 |
| SNX9 | ENSG00000130340.15 | 5.393608369 | 6.630092284 | 8.023675949 |
| ILKAP | ENSG00000132323.8 | 5.342754807 | 6.862893438 | 5.454891652 |
| THOC5 | ENSG00000100296.13 | 6.94303167 | 7.030200069 | 6.6109175 |
| P4HA2 | ENSG00000072682.18 | 5.35147738 | 5.512656157 | 5.860248351 |
| CDKN1B | ENSG00000111276.10 | 5.714821507 | 5.360867629 | 5.831633952 |
| TCTN3 | ENSG00000119977.20 | 5.822925164 | 5.918673036 | 5.56511542 |
| TAF13 | ENSG00000197780.9 | 7.153251667 | 6.527797946 | 5.796047608 |
| NELFE | ENSG00000204356.13 | 6.669413241 | 6.851163698 | 5.648591398 |
| ATF6B | ENSG00000213676.10 | 5.76056548 | 6.036481676 | 6.375404868 |
| NANS | ENSG00000095380.10 | 6.558580512 | 7.696146648 | 5.387162895 |
| DMTF1 | ENSG00000135164.18 | 5.429596395 | 6.11108183 | 5.688270212 |
| GRHPR | ENSG00000137106.17 | 6.833432655 | 6.882079186 | 5.961145772 |
| FAM49B | ENSG00000153310.19 | 6.251185511 | 6.328610427 | 5.306400696 |
| EPB41L2 | ENSG00000079819.18 | 6.293343543 | 5.897625349 | 5.716764009 |
| DHCR7 | ENSG00000172893.15 | 5.422210352 | 6.109165355 | 6.099331715 |
| VPS4B | ENSG00000119541.9 | 5.653946775 | 6.280206076 | 5.597116944 |
| SMARCD1 | ENSG00000066117.14 | 6.997353598 | 6.121047835 | 5.812977771 |
| FARP2 | ENSG00000006607.13 | 5.467304029 | 7.314342953 | 6.738518028 |
| MYO9B | ENSG00000099331.13 | 6.351047633 | 7.685763733 | 6.285698255 |
| SDF2L1 | ENSG00000128228.4 | 5.579920454 | 6.270531579 | 5.501631379 |
| PLOD2 | ENSG00000152952.11 | 5.641681395 | 5.320634543 | 5.913151306 |
| MBD3 | ENSG00000071655.17 | 6.452643217 | 5.58474336 | 5.803933504 |
| TAOK3 | ENSG00000135090.13 | 5.308936725 | 5.845928255 | 7.22535049 |
| TIPRL | ENSG00000143155.12 | 6.85991723 | 6.617553488 | 5.284030714 |
| UBE2E3 | ENSG00000170035.15 | 5.587882089 | 5.946505538 | 6.459820569 |
| MTHFD2 | ENSG00000065911.11 | 6.921029491 | 5.745709845 | 6.278174561 |
| RANBP2 | ENSG00000153201.15 | 5.32661108 | 6.108450291 | 6.143028701 |
| USP19 | ENSG00000172046.18 | 6.493312359 | 6.049859273 | 5.546927693 |
| PIZO1 | ENSG00000103335.21 | 5.963985792 | 5.526573152 | 6.009093582 |
| SMIM30 | ENSG00000214194.8 | 5.368011508 | 7.274806937 | 6.315339984 |
| SCAMP2 | ENSG00000140497.16 | 5.496598087 | 6.155948046 | 6.61902177 |
| HS1BP3 | ENSG00000118960.12 | 5.308272853 | 6.211678538 | 5.366456765 |
| MFSD14B | ENSG00000148110.15 | 6.009680711 | 7.46842623 | 5.282530901 |
| PLEKHB2 | ENSG00000115762.16 | 5.315055097 | 6.466060886 | 6.817931482 |
| LRRC58 | ENSG00000163428.3 | 6.295529212 | 5.610534953 | 5.322471189 |
| HECTD1 | ENSG00000092148.12 | 5.890759252 | 5.92161265 | 5.851167255 |
| SDCCAG3 | ENSG00000165689.16 | 6.625920017 | 6.119465789 | 5.941204632 |
| MRPS9 | ENSG00000135972.8 | 5.343091046 | 6.251023494 | 5.781672041 |

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| TXN2 | ENSG00000100348.9 | 6.481216465 | 6.24445221 | 6.335317636 |
| ALAS1 | ENSG00000023330.14 | 5.921875474 | 6.505226216 | 5.888012924 |
| IAH1 | ENSG00000134330.18 | 5.411135893 | 6.112481332 | 5.27287716 |
| LARP4 | ENSG00000161813.21 | 6.655237409 | 6.13371087 | 5.939147451 |
| KPNA3 | ENSG00000102753.9 | 6.097597056 | 5.412191148 | 5.304925335 |
| RHOC | ENSG00000155366.16 | 7.058849036 | 6.582695154 | 5.561088004 |
| CALM3 | ENSG00000160014.16 | 6.459847607 | 5.619706589 | 7.50336011 |
| ALG8 | ENSG00000159063.12 | 6.254913339 | 5.578015618 | 5.658090045 |
| SMC4 | ENSG00000113810.15 | 7.30856516 | 6.409805171 | 5.293139671 |
| MBD6 | ENSG00000166987.14 | 5.800666786 | 5.679458598 | 8.244117814 |
| ATAD3A | ENSG00000197785.13 | 6.306295845 | 6.344161622 | 5.489013904 |
| TIA1 | ENSG00000116001.15 | 5.599248516 | 5.455970516 | 5.267624065 |
| PREPL | ENSG00000138078.15 | 5.534186102 | 5.963609198 | 6.404633044 |
| ZC3H7B | ENSG00000100403.11 | 5.375189255 | 5.450238704 | 6.678116928 |
| MET | ENSG00000105976.14 | 6.051717628 | 6.787787314 | 6.327704158 |
| C9orf78 | ENSG00000136819.15 | 7.062744731 | 7.068998007 | 5.305744516 |
| MESD | ENSG00000117899.10 | 5.280903007 | 5.39951197 | 5.555848801 |
| USP1 | ENSG00000162607.12 | 6.473637599 | 5.31509072 | 5.313843944 |
| CBX4 | ENSG00000141582.14 | 5.548369951 | 6.454099588 | 7.055780366 |
| COMMD7 | ENSG00000149600.11 | 5.427716738 | 5.397039955 | 6.618575871 |
| MCAM | ENSG00000076706.16 | 6.937862261 | 8.2913978 | 7.084943368 |
| SNRPB2 | ENSG00000125870.10 | 8.532612682 | 6.867490402 | 5.295072403 |
| C19orf24 | ENSG00000228300.13 | 5.378091161 | 6.157016468 | 6.404100386 |
| SARNP | ENSG00000205323.8 | 5.999153065 | 5.646904071 | 5.399917865 |
| MRPL2 | ENSG00000112651.11 | 5.842288283 | 5.442299658 | 5.621708227 |
| FN1 | ENSG00000115414.18 | 5.324256319 | 9.176693359 | 10.29482995 |
| MICAL3 | ENSG00000243156.7 | 5.690332776 | 6.586386402 | 6.702462459 |
| IWS1 | ENSG00000163166.14 | 5.397074166 | 6.405076606 | 5.930258735 |
| RPA1 | ENSG00000132383.11 | 6.613088836 | 5.315598239 | 5.739042314 |
| MAP2K1 | ENSG00000169032.9 | 5.945259387 | 5.443449687 | 5.830830496 |
| MYL6B | ENSG00000196465.10 | 6.700873269 | 5.802936329 | 5.544460745 |
| APIP | ENSG00000149089.12 | 5.743061873 | 5.597498549 | 5.600190775 |
| CHERP | ENSG00000085872.14 | 6.8768568 | 6.54265529 | 5.303754589 |
| LRRFIP2 | ENSG00000093167.17 | 6.470940633 | 5.724868422 | 5.348451801 |
| FOSL1 | ENSG00000175592.8 | 8.295182303 | 5.526936601 | 6.255662251 |
| SLC7A1 | ENSG00000139514.12 | 6.465873801 | 6.540821408 | 7.125925083 |
| ELAC2 | ENSG00000006744.18 | 7.059050186 | 5.349390798 | 5.533288924 |
| PNPLA2 | ENSG00000177666.16 | 6.428093979 | 6.07395586 | 6.155062813 |
| NUP62 | ENSG00000213024.11 | 6.131886484 | 6.385350308 | 5.406540341 |
| USP16 | ENSG00000156256.14 | 5.621619524 | 5.478381208 | 6.231024433 |
| TPP2 | ENSG00000134900.11 | 5.819307236 | 5.323149416 | 5.390687353 |
| SLC39A14 | ENSG00000104635.13 | 5.977926366 | 6.577540692 | 7.620855055 |
| RPS19BP1 | ENSG00000187051.8 | 5.434215288 | 5.371854167 | 5.696249094 |
| GTF2B | ENSG00000137947.11 | 5.589608098 | 5.391470252 | 5.373847459 |
| INTS13 | ENSG00000064102.14 | 5.998899432 | 5.325438013 | 5.822368866 |
| ACAP3 | ENSG00000131584.18 | 5.248986803 | 5.47882221 | 6.050302867 |

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| LIMK1 | ENSG00000106683.14 | 5.524857985 | 8.021870293 | 6.20483761 |
| PAK1IP1 | ENSG00000111845.4 | 6.093248794 | 5.275258717 | 5.506079418 |
| GTPBP4 | ENSG00000107937.18 | 6.509591949 | 5.468709047 | 5.305088447 |
| GOLGA7 | ENSG00000147533.16 | 5.431099033 | 5.669657371 | 6.287984244 |
| RPA2 | ENSG00000117748.9 | 6.550200431 | 5.82056595 | 5.367936523 |
| SOX10 | ENSG00000100146.16 | 9.447967728 | 8.806414129 | 8.674512248 |
| HUWE1 | ENSG00000086758.15 | 7.296937861 | 6.933407452 | 7.020577252 |
| RNF130 | ENSG00000113269.13 | 5.991880321 | 6.123342675 | 5.939611165 |
| SCCPDH | ENSG00000143653.9 | 6.684571973 | 6.399993377 | 5.587099706 |
| CHAMP1 | ENSG00000198824.5 | 6.609882142 | 5.607857332 | 5.563738318 |
| AKAP12 | ENSG00000131016.16 | 7.87301605 | 5.626992808 | 7.381239891 |
| USP9X | ENSG00000124486.12 | 5.579973361 | 5.554773154 | 5.884853706 |
| SLBP | ENSG00000163950.12 | 6.800970932 | 5.255714786 | 7.283567618 |
| GADD45GIP1 | ENSG00000179271.2 | 6.66672378 | 5.338674153 | 5.478373624 |
| ASNS | ENSG00000070669.16 | 7.235171555 | 6.057003085 | 7.750024562 |
| CMTR1 | ENSG00000137200.12 | 5.299453559 | 5.584764509 | 5.277337386 |
| RYK | ENSG00000163785.12 | 6.289800915 | 5.840013653 | 5.545414715 |
| INTS3 | ENSG00000143624.13 | 6.431345248 | 6.807693709 | 5.398483926 |
| NOL10 | ENSG00000115761.15 | 6.490687681 | 5.605040128 | 5.243599579 |
| GNG10 | ENSG00000242616.3 | 5.616072069 | 6.449393896 | 5.668675006 |
| LANCL1 | ENSG00000115365.11 | 5.303132943 | 6.127838159 | 6.30205795 |
| BUB1 | ENSG00000169679.14 | 6.210413766 | 5.919963425 | 5.266476191 |
| SF3B3 | ENSG00000189091.12 | 7.24324584 | 6.035294475 | 5.714279493 |
| UBL4A | ENSG00000102178.12 | 6.332074379 | 5.719070548 | 5.608386122 |
| MLH1 | ENSG00000076242.14 | 6.07492951 | 5.335276685 | 5.607941594 |
| PSME2 | ENSG00000100911.15 | 6.613382058 | 5.38038363 | 5.759544681 |
| RN7SK | ENSG00000283293.1 | 6.545819847 | 5.449013003 | 6.276234663 |
| SENP3 | ENSG00000161956.12 | 7.023477107 | 6.064812118 | 5.980265594 |
| C11orf84 | ENSG00000168005.8 | 6.028091394 | 5.518568561 | 5.329436292 |
| CYB561A3 | ENSG00000162144.9 | 6.357659698 | 5.980948958 | 5.99476015 |
| HPS1 | ENSG00000107521.18 | 5.863092976 | 5.365722412 | 6.010032758 |
| NUFIP2 | ENSG00000108256.8 | 5.702942621 | 6.043928936 | 6.283430512 |
| PSMG2 | ENSG00000128789.20 | 6.054395107 | 6.526179532 | 5.931694668 |
| CUL4B | ENSG00000158290.16 | 5.793332399 | 5.603269944 | 5.604108867 |
| IDH3B | ENSG00000101365.20 | 6.768941082 | 6.484497141 | 5.284724046 |
| FAR1 | ENSG00000197601.12 | 5.253897934 | 5.260082466 | 5.341795413 |
| COX15 | ENSG00000014919.12 | 6.437629818 | 5.725386091 | 5.478403462 |
| IGF2BP3 | ENSG00000136231.13 | 7.180054403 | 6.327107394 | 6.849846241 |
| COL9A3 | ENSG00000092758.15 | 8.552007809 | 8.162544192 | 8.685680313 |
| IRF2BP2 | ENSG00000168264.10 | 6.059887368 | 5.238567463 | 5.838117293 |
| TRIB3 | ENSG00000101255.10 | 6.338770759 | 6.22979424 | 7.614121094 |
| MAPKAPK3 | ENSG00000114738.10 | 5.545311818 | 6.113225823 | 5.262745083 |
| RTF1 | ENSG00000137815.14 | 5.92542501 | 5.674934581 | 5.307914044 |
| CHD8 | ENSG00000100888.12 | 5.937637453 | 5.387271566 | 5.320870693 |
| PDS5A | ENSG00000121892.14 | 6.569297834 | 5.307392621 | 7.023185773 |
| SUCLA2 | ENSG00000136143.14 | 5.79002112 | 5.279246631 | 5.343680801 |

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| EPHX1 | ENSG00000143819.12 | 5.29734317 | 5.892555003 | 5.797573357 |
| SELENOS | ENSG00000131871.14 | 5.828819168 | 6.554971837 | 5.985239061 |
| RHOG | ENSG00000177105.9 | 5.984259507 | 6.236784436 | 6.086368212 |
| VMA21 | ENSG00000160131.13 | 6.125032401 | 5.519662972 | 5.578382687 |
| TMEM208 | ENSG00000168701.18 | 6.200838697 | 5.726359153 | 5.691814689 |
| MMGT1 | ENSG00000169446.5 | 5.570894454 | 5.663154366 | 5.576026034 |
| GALNT11 | ENSG00000178234.12 | 5.25023917 | 5.895147799 | 6.152925685 |
| PNKP | ENSG00000039650.11 | 6.053698806 | 6.064398999 | 5.750330087 |
| OTUB1 | ENSG00000167770.11 | 6.187197914 | 5.949037321 | 5.966088267 |
| YLPM1 | ENSG00000119596.17 | 5.916965532 | 5.207206451 | 5.772805137 |
| AKT3 | ENSG00000117020.16 | 6.55053077 | 5.297882821 | 6.739556257 |
| MRPL27 | ENSG00000108826.15 | 6.086244602 | 5.829924828 | 5.650549361 |
| DNAJC2 | ENSG00000105821.14 | 6.285735595 | 6.316133706 | 5.252741923 |
| HDGFL2 | ENSG00000167674.14 | 6.218018575 | 6.39674073 | 5.382316868 |
| DHX36 | ENSG00000174953.13 | 6.503672595 | 5.796163759 | 5.39591598 |
| PARL | ENSG00000175193.13 | 5.447944097 | 6.153757406 | 6.151830608 |
| USP32 | ENSG00000170832.12 | 5.305331818 | 6.212585628 | 5.870440886 |
| WLS | ENSG00000116729.13 | 6.363381663 | 5.878107201 | 5.458238286 |
| COQ9 | ENSG00000088682.13 | 6.226290318 | 5.332391759 | 6.165724985 |
| XPO5 | ENSG00000124571.17 | 6.216355051 | 5.831155567 | 5.534042744 |
| GMPPA | ENSG00000144591.18 | 5.230983706 | 6.628793595 | 5.589402961 |
| PRKCD | ENSG00000163932.13 | 6.53704358 | 7.117690323 | 5.230057224 |
| DIABLO | ENSG00000184047.16 | 6.240715797 | 5.509476517 | 5.446764024 |
| AIMP1 | ENSG00000164022.16 | 5.860026852 | 5.353682306 | 5.467338291 |
| ZC3HAV1 | ENSG00000105939.12 | 5.472913076 | 5.492977779 | 5.217132911 |
| RANBP9 | ENSG00000010017.12 | 5.356244381 | 5.66374627 | 6.692910139 |
| ODC1 | ENSG00000115758.12 | 5.59273692 | 7.111628527 | 8.60694385 |
| TRIP10 | ENSG00000125733.17 | 5.63892951 | 5.450343941 | 5.36780149 |
| BSCL2 | ENSG00000168000.14 | 6.240560641 | 5.407582915 | 5.965340833 |
| ACSS2 | ENSG00000131069.19 | 5.940451682 | 5.347705757 | 6.578275698 |
| SLTM | ENSG00000137776.16 | 6.894534014 | 5.904697493 | 6.222026135 |
| XRN2 | ENSG00000088930.7 | 7.157138308 | 6.919428217 | 5.255262776 |
| ARV1 | ENSG00000173409.13 | 6.334466367 | 5.274041213 | 5.31451842 |
| PIP4K2C | ENSG00000166908.17 | 5.508603711 | 6.021077086 | 8.08881545 |
| NNT | ENSG00000112992.16 | 5.825462055 | 6.450058818 | 6.519281054 |
| DYNLL2 | ENSG00000264364.2 | 5.325195211 | 5.438828417 | 6.374954329 |
| NIPSNAP2 | ENSG00000146729.9 | 6.177539851 | 5.513129345 | 6.074065888 |
| GMPS | ENSG00000163655.15 | 6.14937157 | 5.463702735 | 5.407331918 |
| DDX41 | ENSG00000183258.11 | 5.805570656 | 5.397137222 | 5.909876264 |
| SPR | ENSG00000116096.5 | 5.611030862 | 6.654736529 | 5.392711 |
| DERA | ENSG00000023697.12 | 5.743662378 | 5.658359474 | 6.38501772 |
| RBFOX2 | ENSG00000100320.22 | 6.018720774 | 6.359835845 | 6.586739176 |
| PCMTD2 | ENSG00000203880.11 | 6.188985558 | 5.25804617 | 6.521604151 |
| CCDC43 | ENSG00000180329.13 | 5.78015797 | 5.558837731 | 5.666492485 |
| C21orf59 | ENSG00000159079.18 | 6.138076161 | 5.324141879 | 6.003517722 |
| CDC23 | ENSG00000094880.10 | 6.227412362 | 5.203388106 | 5.305147007 |

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| CCNB2 | ENSG00000157456.7 | 6.765040483 | 5.594379276 | 5.246658623 |
| COPS7A | ENSG00000111652.9 | 6.212746607 | 6.015786267 | 6.676079353 |
| TYK2 | ENSG00000105397.13 | 6.425302122 | 5.841486227 | 6.086023495 |
| DDX49 | ENSG00000105671.11 | 7.372012093 | 6.128983921 | 5.26297558 |
| WDR45 | ENSG00000196998.17 | 6.521915674 | 5.98757756 | 5.362399544 |
| RIC8A | ENSG00000177963.14 | 5.685288274 | 6.036166007 | 5.392512455 |
| DHCR24 | ENSG00000116133.11 | 6.831017667 | 6.376273285 | 5.823518021 |
| CRKL | ENSG00000099942.12 | 5.202806085 | 5.925495022 | 5.904166147 |
| NUP153 | ENSG00000124789.11 | 5.780104643 | 5.226957106 | 5.44666199 |
| VAPA | ENSG00000101558.13 | 5.824741607 | 6.221233548 | 5.752935689 |
| COPS8 | ENSG00000198612.10 | 5.617518908 | 6.491831309 | 6.447154909 |
| SNX4 | ENSG00000114520.10 | 5.506630661 | 5.590843504 | 5.189126888 |
| ATP6V0A1 | ENSG00000033627.16 | 5.577049861 | 6.652570944 | 8.253814449 |
| NDUFAF3 | ENSG00000178057.14 | 5.55361221 | 6.208530398 | 5.616577756 |
| PIH1D1 | ENSG00000104872.10 | 7.003827792 | 6.396370706 | 5.983481617 |
| EXOC4 | ENSG00000131558.14 | 5.316121857 | 6.091446698 | 6.034448209 |
| DHX8 | ENSG00000067596.10 | 6.722075348 | 5.888993234 | 5.738150613 |
| GOLIM4 | ENSG00000173905.8 | 5.497274114 | 5.9582824 | 5.668651075 |
| EMC1 | ENSG00000127463.14 | 5.98657692 | 6.389206558 | 5.322101935 |
| RPS6KA4 | ENSG00000162302.12 | 5.309185969 | 5.815965192 | 5.434471609 |
| SAFB2 | ENSG00000130254.11 | 6.386712859 | 5.260505504 | 5.489872772 |
| ACP1 | ENSG00000143727.15 | 6.521352059 | 6.558534923 | 5.395853428 |
| INTS8 | ENSG00000164941.13 | 5.762709872 | 5.641823159 | 5.349406345 |
| DCAF7 | ENSG00000136485.14 | 6.126594192 | 5.96093365 | 6.096348724 |
| POP5 | ENSG00000167272.10 | 6.198234126 | 6.081335609 | 6.135103776 |
| BCLAF1 | ENSG00000029363.16 | 6.535383755 | 5.454143179 | 5.543073878 |
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| RBM22 | ENSG00000086589.11 | 6.346072544 | 5.315462704 | 6.217235951 |
| RRP1B | ENSG00000160208.12 | 5.756051731 | 5.667656503 | 5.475504786 |
| MRPL52 | ENSG00000172590.18 | 5.448492544 | 5.521869711 | 5.316849698 |
| COPS3 | ENSG00000141030.12 | 6.976920999 | 5.315571851 | 5.703531287 |
| RHBDD2 | ENSG00000005486.16 | 5.348976027 | 6.694360726 | 5.502930024 |
| ZFPL1 | ENSG00000162300.11 | 5.653203251 | 5.574418827 | 5.418359254 |
| AKAP8L | ENSG00000011243.17 | 5.721417723 | 5.983171274 | 5.89981187 |
| PBRM1 | ENSG00000163939.18 | 5.628819188 | 5.735702697 | 5.309053009 |
| TM9SF4 | ENSG00000101337.15 | 5.355073031 | 6.109601989 | 6.59912665 |
| ATP6AP2 | ENSG00000182220.14 | 5.543129618 | 5.424225231 | 5.39284066 |
| CARS | ENSG00000110619.17 | 6.577738203 | 6.10228889 | 7.300268286 |
| ARAP1 | ENSG00000186635.14 | 5.28376247 | 5.8337541 | 6.370146192 |
| ADGRE5 | ENSG00000123146.19 | 6.911514903 | 6.489660585 | 5.222361779 |
| NUDT5 | ENSG00000165609.12 | 6.521678814 | 5.46744246 | 5.235813105 |
| GSK3B | ENSG00000082701.14 | 6.432243211 | 5.500813251 | 5.47621824 |
| SQLE | ENSG00000104549.11 | 5.227992035 | 5.969769879 | 6.634346915 |
| FUBP3 | ENSG00000107164.15 | 7.023551712 | 6.735952005 | 5.186267146 |
| PPP1R12C | ENSG00000125503.12 | 5.581702203 | 5.293992748 | 5.799364025 |

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| JUND | ENSG00000130522.5 | 6.263191221 | 6.237129259 | 6.232359984 |
| GPR137B | ENSG00000077585.13 | 5.472586716 | 7.97744578 | 7.108268564 |
| MUL1 | ENSG00000090432.6 | 5.738019633 | 5.634812987 | 5.745479205 |
| PPP4R2 | ENSG00000163605.14 | 6.282008714 | 5.91177736 | 5.175915078 |
| NPM3 | ENSG00000107833.10 | 6.74019699 | 6.003950783 | 5.23578455 |
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| NDRG3 | ENSG00000101079.20 | 5.604127122 | 5.506573802 | 6.497683338 |
| HSPA13 | ENSG00000155304.5 | 5.195965477 | 5.444863737 | 6.793017271 |
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| PHF23 | ENSG00000040633.12 | 6.628102692 | 6.469178723 | 5.737327167 |
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| TBL1XR1 | ENSG00000177565.16 | 6.206156935 | 6.546593931 | 5.764269261 |
| CARM1 | ENSG00000142453.11 | 6.818366746 | 5.906174018 | 5.14246755 |
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| PARP4 | ENSG00000102699.5 | 6.327271942 | 5.886723638 | 5.174830925 |
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| DYNC1I2 | ENSG00000077380.15 | 5.248426177 | 6.998867616 | 6.545610922 |
| PLRG1 | ENSG00000171566.11 | 6.301136439 | 5.224601692 | 5.407992196 |
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| HSD17B11 | ENSG00000198189.10 | 5.268759121 | 5.658692179 | 6.324120575 |
| RHOBTB3 | ENSG00000164292.12 | 5.24349269 | 5.286387821 | 5.906198233 |
| DENND4B | ENSG00000198837.9 | 6.287145622 | 5.859252714 | 5.346357889 |
| METAP2 | ENSG00000111142.13 | 7.525512501 | 6.468610697 | 5.426781676 |
| MINK1 | ENSG00000141503.15 | 5.290519187 | 5.214486822 | 5.817033971 |
| PPA2 | ENSG00000138777.19 | 6.106104457 | 5.225713852 | 5.91349109 |
| JMJD6 | ENSG00000070495.14 | 5.376492643 | 5.733808472 | 6.463710764 |
| DNTTIP1 | ENSG00000101457.12 | 6.599095627 | 5.41323434 | 5.737268072 |
| TIAL1 | ENSG00000151923.17 | 7.470594218 | 5.948982686 | 5.968954118 |
| PTDSS1 | ENSG00000156471.12 | 6.00670285 | 5.19397462 | 5.523219968 |
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| PBDC1 | ENSG00000102390.10 | 5.656304789 | 5.944670827 | 5.947988219 |
| USP36 | ENSG00000055483.19 | 5.30620488 | 6.885484242 | 6.315085476 |
| ZDHHC4 | ENSG00000136247.14 | 6.303491644 | 5.866773422 | 6.143094668 |
| AGPS | ENSG00000018510.13 | 5.700725256 | 5.83239666 | 5.177630574 |
| SKIV2L2 | ENSG00000039123.15 | 6.744053764 | 5.771016739 | 5.141004865 |
| PAM | ENSG00000145730.20 | 6.783282726 | 7.151896752 | 7.166500749 |
| AIP | ENSG00000110711.9 | 6.936621016 | 5.300105625 | 6.825403724 |
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| USP11 | ENSG00000102226.9 | 6.997723459 | 6.235247703 | 5.188434439 |
| ILVBL | ENSG00000105135.15 | 5.864194789 | 6.542747552 | 5.256253548 |
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| PQBP1 | ENSG00000102103.15 | 6.785949294 | 5.983234375 | 5.290075563 |
| PPP1CB | ENSG00000213639.9 | 7.467298088 | 7.864876408 | 6.072756135 |
| MYBL2 | ENSG00000101057.15 | 7.370772715 | 5.719473597 | 5.154012625 |
| RHOB | ENSG00000143878.9 | 6.995946371 | 7.725062481 | 6.1013814 |
| ECM1 | ENSG00000143369.14 | 5.161557081 | 6.722523104 | 6.781487163 |
| PLXNA1 | ENSG00000114554.11 | 5.141575368 | 7.359017583 | 7.643713653 |
| AGTRAP | ENSG00000177674.15 | 5.215500662 | 5.637539162 | 6.153688686 |
| SLC31A1 | ENSG00000136868.10 | 5.394867708 | 7.746063787 | 5.242392693 |
| CSTF3 | ENSG00000176102.11 | 6.01784195 | 5.371337559 | 5.30554018 |
| CENPB | ENSG00000125817.7 | 7.343280958 | 7.117379185 | 5.281261484 |
| GLYR1 | ENSG00000140632.16 | 5.892667403 | 5.201525436 | 5.607151205 |
| NSMCE2 | ENSG00000156831.7 | 5.484354784 | 5.15498923 | 5.363332359 |
| CSTF1 | ENSG00000101138.11 | 5.754009332 | 5.513263613 | 5.902097593 |
| TBK1 | ENSG00000183735.9 | 5.683716647 | 5.3209017 | 5.582952646 |
| CLASP1 | ENSG00000074054.17 | 5.212293799 | 5.389225866 | 5.627134845 |
| ZSWIM8 | ENSG00000214655.10 | 5.769280434 | 5.281715568 | 6.043052861 |
| GPR137 | ENSG00000173264.14 | 6.152176233 | 5.201733687 | 5.844407081 |
| GYS1 | ENSG00000104812.14 | 6.54582543 | 7.457073908 | 5.282771665 |
| GLT8D1 | ENSG00000016864.18 | 6.591991605 | 6.090271089 | 5.362716868 |
| MED25 | ENSG00000104973.16 | 6.145117998 | 6.087521946 | 5.783504367 |
| PSMD10 | ENSG00000101843.18 | 5.917794953 | 6.033329707 | 6.047235202 |
| MAPK6 | ENSG00000069956.11 | 6.069437304 | 5.540920005 | 6.137746542 |
| LYAR | ENSG00000145220.13 | 7.17777249 | 5.145292397 | 6.300694254 |
| PLEC | ENSG00000178209.14 | 7.542318539 | 8.028422476 | 5.18460417 |
| MSANTD3 | ENSG00000066697.14 | 6.063164108 | 7.027776114 | 5.26756472 |
| SPTLC1 | ENSG00000090054.13 | 6.293619495 | 7.090082893 | 5.245944379 |
| APEX1 | ENSG00000100823.11 | 6.160158779 | 5.466618296 | 5.127274453 |
| OSTF1 | ENSG00000134996.11 | 5.502945806 | 5.80426218 | 5.160211283 |
| TAF1D | ENSG00000166012.16 | 6.710579091 | 5.129444558 | 6.196135541 |
| FOPNL | ENSG00000133393.12 | 5.434018882 | 5.448091249 | 5.250966642 |
| TNFRSF10B | ENSG00000120889.12 | 6.110095579 | 7.253831414 | 7.881486769 |
| IER3 | ENSG00000137331.11 | 8.502521537 | 8.82160106 | 7.64083212 |
| MAPKAP1 | ENSG00000119487.16 | 6.130095174 | 6.713437654 | 5.380454941 |
| WDR55 | ENSG00000120314.18 | 5.728463697 | 5.477527457 | 5.231969734 |
| GPS2 | ENSG00000132522.15 | 6.513189318 | 5.207870431 | 5.672951331 |
| ANKIB1 | ENSG00000001629.9 | 5.715241536 | 5.805460177 | 5.111610619 |
| RRM2 | ENSG00000171848.14 | 7.602782351 | 5.796021594 | 5.18406161 |
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| SNRPA | ENSG00000077312.8 | 6.395596179 | 6.11499817 | 5.198342158 |
| SUZ12 | ENSG00000178691.10 | 5.646345862 | 5.251239873 | 5.398993465 |
| PIN1 | ENSG00000127445.13 | 5.693102833 | 6.064255953 | 5.223305968 |
| QDPR | ENSG00000151552.11 | 6.991833357 | 6.029814785 | 8.874815649 |
| RELA | ENSG00000173039.18 | 5.709314921 | 5.575791304 | 6.186945755 |
| GET4 | ENSG00000239857.6 | 5.314306668 | 5.802800278 | 5.727332527 |
| VPS39 | ENSG00000166887.15 | 5.914520314 | 6.19697369 | 6.161397719 |
| TSR1 | ENSG00000167721.10 | 7.131887351 | 5.114108702 | 5.415839006 |

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| ATP5D | ENSG00000099624.7 | 6.2730489 | 5.811636709 | 5.402736513 |
| NQO2 | ENSG00000124588.19 | 5.190129521 | 5.954215959 | 5.810151238 |
| EHMT2 | ENSG00000204371.11 | 5.806860123 | 5.803635162 | 5.16563423 |
| CRELD2 | ENSG00000184164.14 | 5.509500642 | 5.876619461 | 5.253898674 |
| PIR | ENSG00000087842.10 | 6.097258323 | 6.472792356 | 7.263593365 |
| FAM213A | ENSG00000122378.13 | 5.107573208 | 6.101976272 | 6.757726264 |
| KDM2A | ENSG00000173120.14 | 6.083671896 | 5.530196567 | 5.79434505 |
| SEC24C | ENSG00000176986.15 | 5.999947953 | 5.95465402 | 5.815170391 |
| NCBP2-AS2 | ENSG00000270170.1 | 5.361132365 | 5.63044913 | 5.226651557 |
| STAT2 | ENSG00000170581.13 | 5.66063806 | 6.827519795 | 6.973031439 |
| BCL2L13 | ENSG00000099968.17 | 5.40243421 | 6.800578101 | 7.357770411 |
| E2F4 | ENSG00000205250.8 | 6.802553737 | 5.57318204 | 5.83178858 |
| GSK3A | ENSG00000105723.11 | 6.159552056 | 6.201730641 | 5.720365009 |
| PNO1 | ENSG00000115946.7 | 5.825730745 | 6.22438154 | 5.173806274 |
| HMGB2 | ENSG00000164104.11 | 7.274125886 | 5.104855056 | 5.708076773 |
| RNF114 | ENSG00000124226.10 | 5.322989758 | 5.498453935 | 6.392625345 |
| OSER1 | ENSG00000132823.10 | 6.370643493 | 5.74749195 | 6.412435002 |
| ACAT2 | ENSG00000120437.8 | 5.134877407 | 5.465611302 | 5.321172817 |
| NOP16 | ENSG00000048162.20 | 7.068607589 | 5.831657666 | 5.209465224 |
| KIAA0319L | ENSG00000142687.17 | 5.668760234 | 5.835313547 | 5.581516223 |
| FXR2 | ENSG00000129245.11 | 6.739467351 | 5.182875927 | 5.900417528 |
| DCAF6 | ENSG00000143164.15 | 5.692090713 | 6.556534354 | 5.647075107 |
| CREBL2 | ENSG00000111269.2 | 5.656371701 | 5.675294202 | 8.088387799 |
| NT5C3B | ENSG00000141698.16 | 5.94237876 | 5.680643471 | 6.473884394 |
| NDUFS1 | ENSG00000023228.13 | 5.176275592 | 5.787098339 | 5.850981356 |
| C8orf33 | ENSG00000182307.12 | 5.894765984 | 5.505468797 | 5.452169777 |
| ATP6V1D | ENSG00000100554.11 | 5.499345482 | 6.283600222 | 7.038989883 |
| MAN2C1 | ENSG00000140400.16 | 5.958094164 | 6.293486967 | 6.166279393 |
| KCTD15 | ENSG00000153885.14 | 6.031217675 | 5.261329335 | 5.907614187 |
| TCF12 | ENSG00000140262.17 | 6.5391307 | 5.778081111 | 6.333761065 |
| TMBIM4 | ENSG00000155957.17 | 5.598622898 | 5.582500794 | 5.124698517 |
| SETD5 | ENSG00000168137.15 | 6.27518999 | 6.084928148 | 5.635577801 |
| GATAD1 | ENSG00000157259.6 | 5.303724319 | 5.535115199 | 5.286264223 |
| UTP11 | ENSG00000183520.11 | 6.833866132 | 5.984001639 | 5.131061726 |
| RASSF3 | ENSG00000153179.12 | 5.110375707 | 6.629736917 | 7.012994831 |
| FAM207A | ENSG00000160256.12 | 5.558858126 | 5.333066123 | 7.853899054 |
| FABP5 | ENSG00000164687.10 | 6.54454887 | 7.978066223 | 5.368611233 |
| CTSL | ENSG00000135047.14 | 8.05266036 | 10.56128209 | 5.340491684 |
| VPS18 | ENSG00000104142.10 | 5.146916315 | 6.19942162 | 5.668023974 |
| DCTPP1 | ENSG00000179958.8 | 6.067167986 | 5.488094974 | 5.233366234 |
| GAK | ENSG00000178950.16 | 6.21874453 | 5.48578165 | 7.212279339 |
| NOSIP | ENSG00000142546.13 | 6.80300935 | 5.801953023 | 5.338953734 |
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| VTI1B | ENSG00000100568.10 | 5.574711411 | 5.528431513 | 6.273353494 |
| TMX3 | ENSG00000166479.9 | 5.48696722 | 6.476406947 | 5.222203325 |
| CKLF | ENSG00000217555.12 | 6.402362195 | 5.169976791 | 6.274358767 |

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| ABCF3 | ENSG00000161204.11 | 5.446357306 | 6.229740271 | 5.819576988 |
| DYNC1LI1 | ENSG00000144635.8 | 6.299565333 | 5.162628448 | 5.933276462 |
| IFI6 | ENSG00000126709.14 | 5.334202444 | 7.621610086 | 6.02365621 |
| TMEM115 | ENSG00000126062.3 | 6.343729197 | 6.123618233 | 5.748932078 |
| JAGN1 | ENSG00000171135.13 | 6.473717186 | 5.905087313 | 5.233092819 |
| STRN4 | ENSG00000090372.14 | 6.635892556 | 5.272456901 | 6.593382859 |
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| PREB | ENSG00000138073.13 | 6.200166047 | 6.115151751 | 5.192358832 |
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| NAT10 | ENSG00000135372.8 | 6.381329577 | 5.653847772 | 5.540323434 |
| GALNT1 | ENSG00000141429.13 | 5.291383377 | 6.752288447 | 5.846433688 |
| RMDN3 | ENSG00000137824.15 | 5.730178655 | 5.503998374 | 5.126184151 |
| SRCAP | ENSG00000080603.16 | 6.738119537 | 5.403620436 | 5.445496568 |
| MEPCE | ENSG00000146834.13 | 6.626101593 | 5.697171966 | 5.111618457 |
| EGLN2 | ENSG00000269858.5 | 5.450392397 | 6.389809325 | 5.77456213 |
| DRG1 | ENSG00000185721.12 | 6.147400757 | 6.792453356 | 6.778187047 |
| ADAM15 | ENSG00000143537.13 | 6.53006763 | 5.962070518 | 5.413566941 |
| OGT | ENSG00000147162.13 | 6.363188598 | 5.974246714 | 6.25002531 |
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| TRMU | ENSG00000100416.12 | 5.737217145 | 5.745881917 | 5.853396417 |
| SBNO2 | ENSG00000064932.15 | 6.085343346 | 6.067087671 | 5.215399012 |
| PERP | ENSG00000112378.11 | 5.760127093 | 6.436224734 | 6.003215838 |
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| PI4KA | ENSG00000241973.10 | 5.295289756 | 5.451181923 | 6.66376747 |
| ATXN7L3 | ENSG00000087152.15 | 6.494676969 | 5.92457683 | 6.227034827 |
| ZNF24 | ENSG00000172466.15 | 5.608319953 | 6.120083947 | 5.997801757 |
| IFRD2 | ENSG00000214706.10 | 7.028513589 | 6.418877187 | 5.163029 |
| GRIPAP1 | ENSG00000068400.13 | 5.681326143 | 5.191499652 | 5.199283821 |
| RBMS1 | ENSG00000153250.19 | 5.17786059 | 6.842213497 | 6.08540258 |
| PIGU | ENSG00000101464.10 | 5.53156403 | 5.086561583 | 5.876027503 |
| POLR3C | ENSG00000186141.8 | 6.38884707 | 5.664325742 | 5.46681572 |
| DONSON | ENSG00000159147.17 | 5.332649092 | 5.337299091 | 5.152005439 |
| YY1AP1 | ENSG00000163374.19 | 6.034473041 | 5.773134084 | 5.134688123 |
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| TSPAN3 | ENSG00000140391.14 | 5.944422818 | 7.062194915 | 7.092855517 |
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| TSTA3 | ENSG00000104522.15 | 6.114772113 | 5.601528188 | 6.139130453 |
| TARDBP | ENSG00000120948.16 | 6.299874473 | 6.312014297 | 5.696754874 |
| FAM20B | ENSG00000116199.11 | 6.370540445 | 5.18416595 | 5.564454224 |
| NSD3 | ENSG00000147548.16 | 5.209594886 | 5.36787247 | 5.512591439 |
| MRPL36 | ENSG00000171421.12 | 5.960117814 | 6.694035741 | 5.332060311 |
| MYO5A | ENSG00000197535.14 | 5.219276292 | 6.663894566 | 8.534088742 |
| ASL | ENSG00000126522.16 | 5.272121591 | 6.205733722 | 5.117497384 |
| NDUFS7 | ENSG00000115286.19 | 5.425470336 | 5.217023975 | 6.059711395 |
| HEXIM1 | ENSG00000186834.3 | 6.306635064 | 6.245562994 | 5.403741946 |

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| KLF6 | ENSG00000067082.14 | 5.136338374 | 5.923724338 | 6.019743852 |
| DOCK7 | ENSG00000116641.17 | 5.431347023 | 6.049592233 | 5.9100904 |
| AGBL5 | ENSG00000084693.15 | 5.403866684 | 5.595296705 | 5.581415176 |
| IGBP1 | ENSG00000089289.15 | 6.192572965 | 6.157069217 | 5.734280413 |
| PCGF2 | ENSG00000277258.4 | 5.811954622 | 5.739834868 | 5.89940904 |
| SCP2 | ENSG00000116171.17 | 5.701311562 | 5.924221514 | 5.480666823 |
| ICAM1 | ENSG00000090339.8 | 5.914900827 | 5.960176383 | 7.250617038 |
| TACC3 | ENSG00000013810.18 | 6.865887697 | 5.230557629 | 6.187322266 |
| IRAK1 | ENSG00000184216.13 | 7.149074974 | 6.097495316 | 5.954224788 |
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| HSPB11 | ENSG00000081870.11 | 6.094073289 | 5.637875117 | 5.087639549 |
| UBP1 | ENSG00000153560.11 | 6.313930201 | 6.176595974 | 5.248929055 |
| PPP1R15B | ENSG00000158615.8 | 6.633807821 | 5.404723786 | 5.188567069 |
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| RB1 | ENSG00000139687.13 | 6.500541992 | 6.158457675 | 5.112193028 |
| WDR45B | ENSG00000141580.15 | 5.431604098 | 6.222161134 | 6.410934408 |
| MRTO4 | ENSG00000053372.4 | 7.008641336 | 6.370192772 | 5.258197416 |
| ARHGAP21 | ENSG00000107863.17 | 5.243816007 | 6.179091133 | 5.730441792 |
| SRPK1 | ENSG00000096063.15 | 5.861617463 | 5.375539763 | 5.689691919 |
| PKN1 | ENSG00000123143.12 | 6.866393411 | 6.818867724 | 6.875475784 |
| ATRX | ENSG00000085224.21 | 5.613366011 | 5.766493304 | 5.308165117 |
| CPSF4 | ENSG00000160917.14 | 5.424552103 | 6.239255402 | 5.504336248 |
| SLC39A1 | ENSG00000143570.17 | 7.596757564 | 6.403851856 | 5.428422472 |
| RNF220 | ENSG00000187147.17 | 6.036162185 | 5.852257881 | 5.688865222 |
| PDP1 | ENSG00000164951.15 | 6.50560143 | 5.545428308 | 5.715517196 |
| TMUB1 | ENSG00000164897.12 | 5.881748457 | 6.218716419 | 6.231291359 |
| TMX4 | ENSG00000125827.8 | 6.676903625 | 5.101937441 | 5.226426194 |
| PARVA | ENSG00000197702.11 | 5.073994512 | 5.282729868 | 6.451022531 |
| MADD | ENSG00000110514.19 | 5.957124309 | 5.22426444 | 6.40430511 |
| CETN2 | ENSG00000147400.8 | 5.339048123 | 5.636113569 | 5.07869788 |
| TBX2 | ENSG00000121068.13 | 5.367511939 | 6.786168124 | 5.260389454 |
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| DUSP10 | ENSG00000143507.17 | 6.077408729 | 6.387482352 | 5.252856407 |
| CYB5R1 | ENSG00000159348.12 | 5.171987185 | 5.987360769 | 5.662924322 |
| ALG5 | ENSG00000120697.8 | 6.190749552 | 5.433234967 | 5.108262355 |
| HLTF | ENSG00000071794.15 | 5.077701491 | 5.414787978 | 5.418951668 |
| RRS1 | ENSG00000179041.3 | 7.060931244 | 5.948979798 | 5.189060691 |
| CKS1B | ENSG00000173207.12 | 7.192759928 | 6.358744163 | 5.192910456 |
| PGLS | ENSG00000130313.6 | 6.930710811 | 6.570429507 | 6.248662916 |
| GAS2L3 | ENSG00000139354.10 | 5.084410709 | 5.522371007 | 5.752362888 |
| DNAJC21 | ENSG00000168724.14 | 5.581058091 | 5.481500815 | 6.04450068 |
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| LSM1 | ENSG00000175324.9 | 5.36726068 | 5.567424674 | 5.353985454 |
| TAOK2 | ENSG00000149930.17 | 5.103647438 | 5.242312792 | 5.085122963 |
| NUP85 | ENSG00000125450.10 | 5.610443697 | 5.590643033 | 5.143537656 |
| GPAT4 | ENSG00000158669.11 | 5.204501412 | 8.306725917 | 7.233437833 |
| VPS26A | ENSG00000122958.14 | 5.741629522 | 5.353628085 | 6.276946254 |
| GTF2A2 | ENSG00000140307.10 | 6.497074745 | 6.39452456 | 5.849628117 |
| DDIT4 | ENSG00000168209.4 | 8.287816799 | 7.0248818 | 7.349368438 |
| HBP1 | ENSG00000105856.13 | 5.689491277 | 6.08580206 | 5.375652785 |
| EXOSC4 | ENSG00000178896.8 | 6.920977306 | 6.474009928 | 5.124888594 |
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| BTBD2 | ENSG00000133243.8 | 5.866735249 | 7.083764963 | 5.055796639 |
| ZC3HC1 | ENSG00000091732.15 | 5.432824924 | 5.644484892 | 5.103613394 |
| ARHGEF12 | ENSG00000196914.8 | 5.841526652 | 5.032844857 | 6.351959468 |
| MMP17 | ENSG00000198598.6 | 5.077959052 | 6.226825153 | 10.12107761 |
| OTUD5 | ENSG00000068308.13 | 6.146471003 | 5.697883483 | 5.704530412 |
| GAR1 | ENSG00000109534.16 | 6.677389463 | 5.223596217 | 5.107938431 |
| LTA4H | ENSG00000111144.9 | 6.888213315 | 6.71260859 | 5.150050809 |
| PRRC1 | ENSG00000164244.20 | 5.186349402 | 5.836213071 | 5.263203027 |
| MICU1 | ENSG00000107745.18 | 5.555168747 | 5.093358235 | 5.688433253 |
| PLSCR1 | ENSG00000188313.12 | 5.120152923 | 7.550375792 | 5.420979875 |
| RFC4 | ENSG00000163918.10 | 5.624670356 | 5.402087131 | 5.269738075 |
| FASTKD2 | ENSG00000118246.13 | 5.490453158 | 6.158872385 | 5.066534515 |
| ELMO2 | ENSG00000062598.17 | 5.472081002 | 5.446080564 | 5.29618053 |
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| MAGT1 | ENSG00000102158.19 | 5.076822914 | 5.568108819 | 5.274839304 |
| UBR5 | ENSG00000104517.12 | 5.94524871 | 5.878419967 | 6.797173728 |
| CAPZA2 | ENSG00000198898.13 | 5.295322244 | 6.310716569 | 5.878775689 |
| NUCB2 | ENSG00000070081.15 | 5.112881231 | 5.629714005 | 5.975863991 |
| C16orf58 | ENSG00000140688.16 | 5.516833323 | 5.698984059 | 5.192485316 |
| MBTPS1 | ENSG00000140943.16 | 6.663172646 | 6.374473549 | 5.942416642 |
| RBM17 | ENSG00000134453.15 | 6.113530299 | 5.74253108 | 5.560646502 |
| UGCG | ENSG00000148154.9 | 5.466929031 | 7.740783434 | 8.198177561 |
| DAB2 | ENSG00000153071.14 | 5.166197201 | 7.540108194 | 6.149238467 |
| PTPRJ | ENSG00000149177.12 | 5.74903685 | 6.070392414 | 6.270640091 |
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| RFC5 | ENSG00000111445.13 | 6.119191663 | 5.132495113 | 5.269157141 |
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| IFRD1 | ENSG00000006652.13 | 5.529472817 | 6.569738383 | 6.877766772 |
| IL13RA1 | ENSG00000131724.10 | 5.033855933 | 6.151160657 | 5.240418675 |
| STYXL1 | ENSG00000127952.16 | 5.103247863 | 6.02603454 | 5.943673373 |
| CCDC58 | ENSG00000160124.9 | 6.476939803 | 5.840463045 | 5.220489047 |
| CENPU | ENSG00000151725.11 | 6.772449253 | 5.099822537 | 5.301733167 |
| ARHGEF11 | ENSG00000132694.18 | 6.035640073 | 6.227984282 | 5.036156992 |
| IMPA1 | ENSG00000133731.9 | 5.794445278 | 5.458808657 | 5.944827965 |
| ABHD2 | ENSG00000140526.17 | 6.143023238 | 5.758542243 | 9.414371594 |
| TMX1 | ENSG00000139921.12 | 5.824538093 | 5.332459406 | 5.323372145 |

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| UCHL3 | ENSG00000118939.17 | 5.84342576 | 5.272226596 | 5.173433665 |
| RNF26 | ENSG00000173456.4 | 6.411498085 | 5.068332912 | 5.3095303 |
| COASY | ENSG00000068120.14 | 7.203335652 | 6.499257768 | 6.528684078 |
| SMC3 | ENSG00000108055.9 | 7.254595789 | 5.428398568 | 5.906805828 |
| SRXN1 | ENSG00000271303.1 | 6.167108984 | 6.163830264 | 5.112044346 |
| SCYL2 | ENSG00000136021.18 | 5.33306721 | 5.358462685 | 5.325077036 |
| AAK1 | ENSG00000115977.18 | 5.626256797 | 6.248189296 | 6.429378763 |
| ECD | ENSG00000122882.10 | 5.620504111 | 5.302443334 | 5.454271626 |
| RIF1 | ENSG00000080345.17 | 5.329431386 | 5.602319727 | 5.046799233 |
| NSDHL | ENSG00000147383.10 | 5.218950147 | 6.153982291 | 5.100877112 |
| RINT1 | ENSG00000135249.7 | 5.7117418 | 6.387225397 | 5.071077607 |
| ANKRD11 | ENSG00000167522.14 | 6.407071942 | 6.471731579 | 6.909427111 |
| TNIP1 | ENSG00000145901.14 | 5.848941655 | 5.200371629 | 5.985357139 |
| HDAC3 | ENSG00000171720.9 | 6.144698791 | 5.240575306 | 5.945206071 |
| RAI14 | ENSG00000039560.13 | 5.374017336 | 6.175409951 | 5.024537913 |
| RPS6KB2 | ENSG00000175634.14 | 6.271104742 | 5.105808285 | 5.926898608 |
| COA1 | ENSG00000106603.18 | 6.188257387 | 6.082912409 | 5.685315836 |
| CDK5RAP1 | ENSG00000101391.20 | 5.30760098 | 5.466900708 | 5.047916808 |
| RING1 | ENSG00000204227.4 | 5.502220859 | 5.639676473 | 5.861707567 |
| YTHDC1 | ENSG00000083896.12 | 5.612200393 | 5.381123694 | 5.36707388 |
| GOT1 | ENSG00000120053.10 | 6.273949816 | 5.770937785 | 8.241838827 |
| KPNA4 | ENSG00000186432.8 | 5.286838469 | 5.541777176 | 5.016234141 |
| LITAF | ENSG00000189067.12 | 5.513170997 | 7.171451374 | 8.39521557 |
| LARP7 | ENSG00000174720.15 | 5.369108511 | 5.081072614 | 5.298881778 |
| MRPS6 | ENSG00000243927.5 | 6.656225042 | 5.169488759 | 7.215915865 |
| TXNDC9 | ENSG00000115514.11 | 5.81358078 | 6.442523958 | 5.066530653 |
| MVP | ENSG00000013364.18 | 6.218462537 | 5.716294286 | 6.836390085 |
| MPC2 | ENSG00000143158.10 | 5.667501696 | 5.750043777 | 5.621042268 |
| MCCC1 | ENSG00000078070.12 | 5.076832947 | 5.661798538 | 5.081771884 |
| VPS51 | ENSG00000149823.8 | 5.707438495 | 5.335448632 | 6.012632832 |
| ORMDL1 | ENSG00000128699.13 | 5.166525231 | 5.952039652 | 5.699956489 |
| PDCD10 | ENSG00000114209.14 | 5.746731759 | 6.138717384 | 6.323279723 |
| ZNF768 | ENSG00000169957.9 | 5.749312862 | 5.489487559 | 5.974511378 |
| NF1 | ENSG00000196712.17 | 5.635589934 | 5.794516282 | 5.81812573 |
| VIRMA | ENSG00000164944.11 | 6.277297671 | 5.401247898 | 5.299251319 |
| NCAPH2 | ENSG00000025770.18 | 5.573194285 | 5.678987993 | 6.219903242 |
| MRPL46 | ENSG00000259494.1 | 5.758634007 | 5.430273115 | 5.142378757 |
| ATG13 | ENSG00000175224.16 | 6.383993512 | 6.664400221 | 6.56909607 |
| EIF5 | ENSG00000100664.10 | 5.945399644 | 6.459098375 | 5.457189889 |
| SEL1L | ENSG00000071537.13 | 5.243584655 | 5.432392508 | 7.347361677 |
| PACS1 | ENSG00000175115.11 | 5.062531493 | 6.158454047 | 5.169754831 |
| MIR4435-2HC | ENSG00000172965.14 | 5.502380856 | 6.439260752 | 5.132315301 |
| B4GAT1 | ENSG00000174684.6 | 5.247097923 | 5.52753714 | 5.712167791 |
| NOTCH2 | ENSG00000134250.19 | 6.543525275 | 5.677628285 | 5.553766089 |
| RTL8C | ENSG00000134590.13 | 5.334544276 | 7.322757289 | 6.793795046 |
| RNF126 | ENSG00000070423.17 | 5.722100157 | 6.326480026 | 5.131006158 |

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| CUL3 | ENSG00000036257.12 | 5.831050257 | 5.824765987 | 6.676143862 |
| DHX16 | ENSG00000204560.9 | 6.047195763 | 6.196934201 | 5.601914841 |
| CHPF2 | ENSG00000033100.16 | 5.310463778 | 6.829315454 | 5.243529101 |
| DAXX | ENSG00000204209.11 | 6.088743632 | 5.622621267 | 5.555989188 |
| IREB2 | ENSG00000136381.12 | 6.235006995 | 5.578207463 | 5.038905826 |
| NUPL2 | ENSG00000136243.16 | 5.499299757 | 6.022796515 | 5.461304967 |
| FAM104A | ENSG00000133193.12 | 5.180653642 | 5.376143754 | 5.547804762 |
| TMEM184B | ENSG00000198792.12 | 5.172604732 | 6.275519598 | 6.08067458 |
| SNRPA1 | ENSG00000131876.16 | 6.9684732 | 6.38858523 | 5.13020585 |
| EML3 | ENSG00000149499.11 | 5.966344903 | 5.404146673 | 5.97919797 |
| SPNS1 | ENSG00000169682.17 | 5.418776639 | 5.664584711 | 5.218096709 |
| SLC37A3 | ENSG00000157800.17 | 6.071419885 | 6.676015749 | 6.060483648 |
| AAR2 | ENSG00000131043.11 | 6.275400587 | 5.059732323 | 5.720728602 |
| DNAAF5 | ENSG00000164818.15 | 5.67138085 | 5.761609681 | 5.041775066 |
| ANKHD1 | ENSG00000131503.20 | 5.562052048 | 5.282204233 | 5.679430824 |
| GRB2 | ENSG00000177885.13 | 5.123625979 | 5.298318485 | 6.110470467 |
| ISOC2 | ENSG00000063241.7 | 5.561352546 | 5.584769087 | 6.094456639 |
| NUP88 | ENSG00000108559.11 | 6.80627186 | 5.328599246 | 5.125392985 |
| MRPL23 | ENSG00000214026.10 | 6.011592573 | 6.533027889 | 5.148666653 |
| SIGMAR1 | ENSG00000147955.16 | 7.339902714 | 6.347116992 | 5.192845834 |
| INTS14 | ENSG00000138614.14 | 5.890172531 | 5.836994955 | 5.232923246 |
| SGCE | ENSG00000127990.15 | 5.055151136 | 6.427650192 | 5.54748445 |
| MARCH6 | ENSG00000145495.15 | 6.37729044 | 6.018870804 | 6.258423914 |
| DPF2 | ENSG00000133884.9 | 5.926274652 | 5.387163596 | 5.535479946 |
| EEF1E1 | ENSG00000124802.11 | 5.967498824 | 5.564590446 | 5.525709846 |
| TOP1MT | ENSG00000184428.12 | 5.69254994 | 5.088391945 | 5.273173894 |
| MRPS25 | ENSG00000131368.7 | 5.69285169 | 6.21978187 | 5.36840028 |
| WAC | ENSG00000095787.21 | 6.411195172 | 5.329169752 | 6.632127111 |
| MPHOSPH8 | ENSG00000196199.13 | 5.836979162 | 5.563303964 | 5.524153405 |
| KIF2A | ENSG00000068796.16 | 6.230094118 | 5.086742269 | 5.735796537 |
| UBE2Z | ENSG00000159202.17 | 5.133347908 | 5.723728095 | 5.624207537 |
| ZNF330 | ENSG00000109445.10 | 5.370411155 | 5.495847432 | 5.289325571 |
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| TMPO | ENSG00000120802.13 | 7.347910474 | 6.175333246 | 5.021477265 |
| GMNN | ENSG00000112312.9 | 5.994097657 | 5.403736659 | 5.468645677 |
| PSMG3 | ENSG00000157778.8 | 6.413546492 | 6.96382206 | 5.036264817 |
| USP12 | ENSG00000152484.13 | 5.005276707 | 5.061611554 | 5.819438944 |
| ACSL1 | ENSG00000151726.13 | 5.225696199 | 6.55600045 | 8.070212968 |
| SLC25A46 | ENSG00000164209.16 | 5.75456637 | 5.204647932 | 4.992970645 |
| UXS1 | ENSG00000115652.14 | 6.199616555 | 6.078384529 | 6.31901688 |
| MCOLN1 | ENSG00000090674.15 | 5.040196153 | 5.298865851 | 5.188238568 |
| KIFC1 | ENSG00000237649.7 | 6.162483724 | 5.295900407 | 5.020707102 |
| MAP2K3 | ENSG00000034152.18 | 6.643664717 | 5.561798928 | 5.136990415 |
| DHDDS | ENSG00000117682.16 | 5.290561576 | 6.136865205 | 5.104043294 |
| PYGO2 | ENSG00000163348.3 | 6.261853506 | 5.680289785 | 4.985868545 |
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| C5orf51 | ENSG00000205765.8 | 5.509889221 | 6.002163837 | 5.928592886 |
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| UBE4A | ENSG00000110344.9 | 5.836758426 | 5.268485969 | 5.780159102 |
| GTF2F2 | ENSG00000188342.11 | 5.815516496 | 5.450349582 | 5.028377958 |
| SREBF1 | ENSG00000072310.16 | 7.396805756 | 5.124503931 | 5.064399707 |
| SNRNP25 | ENSG00000161981.10 | 5.827480368 | 5.137006317 | 5.426595942 |
| SEC23B | ENSG00000101310.14 | 6.441937643 | 6.369084058 | 4.989954876 |
| CTPS1 | ENSG00000171793.13 | 7.061973033 | 5.532454155 | 5.1555103 |
| MCMBP | ENSG00000197771.12 | 6.670620474 | 5.177295861 | 5.561158562 |
| PPP1R35 | ENSG00000160813.6 | 5.62015279 | 5.899722753 | 5.05194358 |
| RAB35 | ENSG00000111737.11 | 5.818413505 | 5.023044014 | 6.363383818 |
| LCMT1 | ENSG00000205629.11 | 5.684372521 | 5.242783779 | 5.833356044 |
| RANBP3 | ENSG00000031823.14 | 5.882264223 | 5.411369703 | 6.306141022 |
| ZBTB7A | ENSG00000178951.8 | 5.50627268 | 5.88993048 | 5.601717511 |
| C14orf2 | ENSG00000156411.9 | 6.50223637 | 7.243523869 | 5.059232557 |
| GLMP | ENSG00000198715.11 | 6.457199891 | 7.528420887 | 5.240361754 |
| GBA2 | ENSG00000070610.14 | 5.815831834 | 5.450714248 | 5.965247932 |
| SEC24A | ENSG00000113615.12 | 5.632442146 | 5.162531821 | 5.073239012 |
| THEM4 | ENSG00000159445.12 | 6.21867997 | 5.683195475 | 5.403856709 |
| C5orf22 | ENSG00000082213.17 | 5.748768755 | 6.239472171 | 5.702599639 |
| ORAI1 | ENSG00000276045.2 | 5.493623424 | 5.236816253 | 5.032647818 |
| DBN1 | ENSG00000113758.13 | 5.824081313 | 5.879782463 | 6.371820626 |
| TIMM17B | ENSG00000126768.12 | 6.293790534 | 5.368371166 | 5.668825818 |
| PEPD | ENSG00000124299.13 | 5.918701884 | 7.53012979 | 5.234418971 |
| RBM14 | ENSG00000239306.4 | 5.948678437 | 5.241827601 | 5.110907662 |
| FBXL5 | ENSG00000118564.14 | 5.695252434 | 5.133757062 | 7.633979143 |
| TSC22D4 | ENSG00000166925.8 | 5.364818198 | 6.522811105 | 6.055287167 |
| NDUFB6 | ENSG00000165264.10 | 6.510786896 | 5.490338842 | 5.089198734 |
| TNFRSF19 | ENSG00000127863.15 | 6.668593114 | 6.91681764 | 5.223100271 |
| KIAA0907 | ENSG00000132680.10 | 6.257329987 | 5.719795347 | 5.17543047 |
| PUM1 | ENSG00000134644.15 | 5.855819218 | 5.461795402 | 5.196774304 |
| WDR34 | ENSG00000119333.11 | 6.981953801 | 6.17314104 | 5.034305906 |
| PTPN18 | ENSG00000072135.12 | 5.074149607 | 5.909023318 | 6.746567076 |
| CCDC14 | ENSG00000175455.14 | 5.308422542 | 5.307900554 | 5.306051986 |
| NCOA6 | ENSG00000198646.13 | 5.242161521 | 5.177373645 | 5.632668141 |
| FAM136A | ENSG00000035141.7 | 6.352823682 | 6.152738427 | 5.101874649 |
| PYCR1 | ENSG00000183010.16 | 6.042436264 | 6.787932212 | 6.639902068 |
| ASAH1 | ENSG00000104763.18 | 4.999091024 | 7.557618812 | 8.906240088 |
| ABL2 | ENSG00000143322.19 | 5.508894076 | 5.027368489 | 5.699014804 |
| ARMC9 | ENSG00000135931.17 | 5.094196425 | 6.710823725 | 5.387018775 |
| EIF2B4 | ENSG00000115211.15 | 5.940237078 | 5.601698883 | 5.064510882 |
| TRAPPC2L | ENSG00000167515.10 | 5.231388717 | 5.81164919 | 5.102035754 |
| MAGI2-AS3 | ENSG00000234456.7 | 5.049794756 | 5.884211362 | 5.981531956 |
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| SLC26A6 | ENSG00000225697.12 | 5.121410049 | 5.631086418 | 4.994830835 |
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| RBL2 | ENSG00000103479.15 | 5.743449502 | 4.973132584 | 6.024288405 |
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| TPRKB | ENSG00000144034.14 | 6.853245098 | 6.111567665 | 4.977302354 |
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| FMN1 | ENSG00000248905.8 | 4.969863889 | 8.258599919 | 8.265546932 |
| THUMPD3 | ENSG00000134077.15 | 5.382829672 | 5.265409301 | 5.084651676 |
| NT5DC2 | ENSG00000168268.10 | 6.767931992 | 6.293750054 | 5.008247813 |
| RSRC2 | ENSG00000111011.17 | 5.578884437 | 5.02509737 | 5.990694766 |
| EIF2D | ENSG00000143486.15 | 6.70209739 | 5.009509402 | 5.860966936 |
| CYB5B | ENSG00000103018.16 | 5.388609193 | 5.334962178 | 5.881715102 |
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| DESI1 | ENSG00000100418.7 | 5.641518777 | 5.022926324 | 5.115056095 |
| ZDHHC3 | ENSG00000163812.13 | 5.698128655 | 5.735533253 | 5.01426159 |
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| PLEKHA5 | ENSG00000052126.14 | 5.058951218 | 7.51696532 | 6.277326877 |
| DBNL | ENSG00000136279.20 | 6.221268866 | 6.521613641 | 5.906246908 |
| ECT2 | ENSG00000114346.13 | 5.917796058 | 5.408034688 | 5.05735505 |
| RNF6 | ENSG00000127870.16 | 5.507234799 | 5.794236244 | 5.852988224 |
| POLR2H | ENSG00000163882.9 | 6.511444168 | 6.110060822 | 5.075050557 |
| VPS52 | ENSG00000223501.8 | 5.252900828 | 5.161616593 | 5.138209516 |
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| GTF3C3 | ENSG00000119041.10 | 5.150675658 | 5.990007441 | 5.749182743 |
| DHPS | ENSG00000095059.15 | 6.575254681 | 5.275921741 | 5.940319654 |
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| CPSF6 | ENSG00000111605.16 | 6.01888226 | 5.50521727 | 5.642318172 |
| RRN3 | ENSG00000085721.12 | 5.966158271 | 5.179794227 | 5.714539116 |
| GGA1 | ENSG00000100083.18 | 5.318130343 | 6.612081176 | 7.626153797 |
| MRGBP | ENSG00000101189.6 | 5.730195985 | 4.970984777 | 5.291762787 |
| LENG8 | ENSG00000167615.16 | 5.689747196 | 5.592888795 | 5.887788347 |
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| SP100 | ENSG00000067066.16 | 4.976562592 | 5.774972319 | 6.043833955 |
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| WDR77 | ENSG00000116455.13 | 6.456201618 | 5.92371472 | 5.011431131 |
| MRPL58 | ENSG00000167862.9 | 6.030551064 | 5.281680997 | 5.764710411 |
| SEMA4C | ENSG00000168758.10 | 5.400625814 | 7.001767322 | 8.568967119 |
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| SNX19 | ENSG00000120451.10 | 5.07529148 | 5.140483419 | 5.940522818 |
| PTGR1 | ENSG00000106853.18 | 5.098133143 | 6.736526563 | 5.056637784 |
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| PDCD7 | ENSG00000090470.14 | 5.894410323 | 5.641816061 | 5.13869667 |
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| PIK3CB | ENSG00000051382.8 | 6.023020532 | 6.253346046 | 5.98850326 |
| ARL1 | ENSG00000120805.13 | 5.55448892 | 6.016225749 | 5.051375488 |
| GNPAT | ENSG00000116906.11 | 6.101544764 | 4.95384154 | 5.608742258 |
| PDXP | ENSG00000241360.1 | 5.290246272 | 4.962357544 | 5.135562513 |
| METTL26 | ENSG00000130731.15 | 6.473134287 | 5.531835897 | 5.32798208 |
| GNPTAB | ENSG00000111670.14 | 5.718679636 | 7.113608273 | 7.20888618 |
| SLC29A1 | ENSG00000112759.16 | 5.09768637 | 5.18534041 | 6.594721714 |
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| GIT1 | ENSG00000108262.15 | 6.16079088 | 6.565266407 | 6.51294676 |
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| CNPPD1 | ENSG00000115649.15 | 5.01750103 | 5.529365912 | 6.112880425 |
| TMEM131 | ENSG00000075568.16 | 4.991596293 | 5.899399847 | 6.346787216 |
| NCDN | ENSG00000020129.15 | 6.195854133 | 5.856684602 | 4.993255943 |
| SAR1B | ENSG00000152700.13 | 5.674765631 | 5.742734052 | 5.533397756 |
| TMCO3 | ENSG00000150403.17 | 5.325244488 | 5.308056595 | 5.4466204 |
| AL390728.4 | ENSG00000227671.4 | 5.799783643 | 5.07655925 | 5.536698882 |
| SEC23IP | ENSG00000107651.12 | 6.437979193 | 5.132989746 | 5.532597593 |
| UBE2G1 | ENSG00000132388.12 | 5.795436446 | 5.002591529 | 5.039014558 |
| PMP22 | ENSG00000109099.13 | 7.831205779 | 6.528353194 | 5.136223499 |
| DYNLT1 | ENSG00000146425.10 | 6.79976121 | 5.24900416 | 5.052464751 |
| SKAP2 | ENSG00000005020.12 | 4.92698858 | 6.009957995 | 6.153454933 |
| HNRNPA0 | ENSG00000177733.6 | 6.250165334 | 5.455842079 | 5.230563598 |
| SNX6 | ENSG00000129515.18 | 5.544391216 | 5.569052102 | 6.357698761 |
| HMOX2 | ENSG00000103415.11 | 6.323053505 | 6.24960354 | 6.410895021 |
| AIDA | ENSG00000186063.12 | 5.494522488 | 5.035215047 | 5.14276822 |
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| AKIRIN1 | ENSG00000174574.15 | 6.078932409 | 5.980734989 | 5.904627812 |
| MED4 | ENSG00000136146.14 | 5.837204032 | 5.365786609 | 4.997585476 |
| TFE3 | ENSG00000068323.16 | 5.735880086 | 5.205795532 | 5.256093638 |
| TBC1D14 | ENSG00000132405.18 | 6.85500819 | 5.993272053 | 9.190285477 |
| MRPS35 | ENSG00000061794.12 | 6.584252573 | 6.322676961 | 5.190126051 |
| GTF3C2 | ENSG00000115207.13 | 6.335688407 | 6.291515855 | 4.979408543 |
| UROS | ENSG00000188690.12 | 5.914715311 | 5.612536333 | 5.062760005 |
| MAEA | ENSG00000090316.15 | 5.834495567 | 5.300655986 | 6.222097234 |
| PITHD1 | ENSG00000057757.9 | 5.893492261 | 5.370135186 | 5.097631763 |

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| TTC17 | ENSG00000052841.14 | 5.956050575 | 5.524392789 | 6.137641396 |
| PLTP | ENSG00000100979.14 | 6.328664347 | 6.883085092 | 5.217215898 |
| SIRT2 | ENSG00000068903.19 | 4.958321119 | 5.137534919 | 5.905667647 |
| AK3 | ENSG00000147853.16 | 5.190746775 | 5.535200936 | 5.372805119 |
| TMEM209 | ENSG00000146842.16 | 5.39934576 | 5.147006272 | 5.970879871 |
| XPNPEP1 | ENSG00000108039.17 | 6.516512974 | 5.516844402 | 6.969187033 |
| ATG12 | ENSG00000145782.12 | 5.157664789 | 5.530158033 | 6.249624246 |
| POLE4 | ENSG00000115350.11 | 5.236540964 | 5.623822585 | 5.045695535 |
| PPCS | ENSG00000127125.8 | 5.299590845 | 5.27895191 | 5.847474952 |
| RMDN1 | ENSG00000176623.11 | 5.757226841 | 5.187963032 | 5.170172906 |
| BNIP3L | ENSG00000104765.15 | 5.042524977 | 5.687390287 | 5.603795648 |
| NAA15 | ENSG00000164134.12 | 6.111966011 | 5.215552543 | 5.176868727 |
| UAP1 | ENSG00000117143.13 | 6.912163765 | 5.654720779 | 5.030282958 |
| HAGH | ENSG00000063854.12 | 5.09684352 | 5.389999857 | 6.569511288 |
| RALA | ENSG00000006451.7 | 5.87952234 | 6.240465856 | 5.682209766 |
| PPP1R10 | ENSG00000204569.9 | 6.041109977 | 5.835127428 | 4.955045397 |
| NEK6 | ENSG00000119408.16 | 5.448126156 | 6.185557904 | 5.128508858 |
| CDK5 | ENSG00000164885.12 | 6.017150354 | 6.353651985 | 5.00687378 |
| NABP2 | ENSG00000139579.12 | 7.107438772 | 6.065806116 | 5.854354345 |
| MED10 | ENSG00000133398.3 | 6.231387165 | 6.435760061 | 4.99661973 |
| RNF20 | ENSG00000155827.11 | 6.441711744 | 6.257490278 | 4.942914652 |
| SMAP2 | ENSG00000084070.11 | 6.159254247 | 5.057859512 | 5.493118264 |
| SASH1 | ENSG00000111961.17 | 5.117708124 | 4.932317773 | 6.348260914 |
| MBTPS2 | ENSG00000012174.11 | 5.490487798 | 4.903580644 | 5.449647373 |
| CUEDC2 | ENSG00000107874.10 | 5.799294681 | 4.975305716 | 5.38230175 |
| NT5C3A | ENSG00000122643.18 | 5.16053033 | 5.694730846 | 7.450347754 |
| AASDHPPT | ENSG00000149313.10 | 6.24343611 | 5.447242443 | 6.014119808 |
| SLC52A2 | ENSG00000185803.8 | 6.190583825 | 5.951384086 | 5.247961704 |
| UTP6 | ENSG00000108651.9 | 6.52631352 | 5.996788487 | 5.554124778 |
| MRPL53 | ENSG00000204822.6 | 6.467779347 | 5.830767869 | 4.986142932 |
| GPATCH11 | ENSG00000152133.14 | 4.932972858 | 5.299921401 | 5.193559515 |
| RBM26 | ENSG00000139746.15 | 6.127190461 | 5.220327125 | 4.949540359 |
| MTFR1 | ENSG00000066855.15 | 5.83292514 | 5.335472139 | 5.41247623 |
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| MAFG | ENSG00000197063.10 | 5.272632367 | 5.787481684 | 6.659999952 |
| ADAM10 | ENSG00000137845.14 | 5.790306156 | 6.467009496 | 6.173908635 |
| ZMYND19 | ENSG00000165724.5 | 6.11320358 | 6.144547947 | 4.958942047 |
| SCFD1 | ENSG00000092108.20 | 5.549661571 | 5.644591346 | 5.47472125 |
| FYN | ENSG00000010810.17 | 5.367530791 | 6.629722335 | 5.734283779 |
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| FAM114A1 | ENSG00000197712.11 | 4.956305981 | 5.162041498 | 7.875803806 |
| CIAPIN1 | ENSG00000005194.14 | 6.217866487 | 4.911764394 | 4.957034366 |
| CLTB | ENSG00000175416.12 | 6.026888531 | 5.117678395 | 5.539128623 |
| ZDHHC16 | ENSG00000171307.18 | 6.386473246 | 5.354221006 | 4.9758319 |

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| PPIE | ENSG00000084072.16 | 6.514183081 | 5.364926169 | 4.977982919 |
| OSTM1 | ENSG00000081087.14 | 4.899683604 | 6.830772898 | 6.684767454 |
| SREK1 | ENSG00000153914.15 | 5.941935207 | 5.095143726 | 5.599746824 |
| RNF149 | ENSG00000163162.8 | 4.902600844 | 6.158215922 | 5.343445598 |
| MED13 | ENSG00000108510.9 | 5.275069857 | 5.309674138 | 5.55226211 |
| SUN2 | ENSG00000100242.15 | 5.582027449 | 5.346670187 | 5.768872715 |
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| EZH2 | ENSG00000106462.10 | 5.953939307 | 4.932650374 | 5.219107275 |
| KCTD5 | ENSG00000167977.8 | 5.853933802 | 5.529422831 | 5.379195628 |
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| NUBP2 | ENSG00000095906.16 | 6.632694278 | 5.784513786 | 6.068505337 |
| PIP5K1C | ENSG00000186111.9 | 5.21639819 | 5.832571958 | 4.907178056 |
| KMT5A | ENSG00000183955.12 | 6.605341289 | 5.122794505 | 6.281191143 |
| MYO1B | ENSG00000128641.18 | 4.960727597 | 5.840474033 | 5.062591239 |
| INSIG1 | ENSG00000186480.12 | 4.95430866 | 5.448652368 | 5.405770983 |
| TANC1 | ENSG00000115183.14 | 4.913273131 | 6.118798694 | 6.459804865 |
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| NDEL1 | ENSG00000166579.15 | 5.3477752 | 5.199475128 | 5.690425757 |
| GRB10 | ENSG00000106070.17 | 5.187797435 | 6.86885546 | 7.116041201 |
| LPXN | ENSG00000110031.12 | 5.771808519 | 6.194838835 | 8.089983977 |
| ERBIN | ENSG00000112851.14 | 5.309718534 | 5.347598613 | 6.224346962 |
| C9orf16 | ENSG00000171159.4 | 6.404022155 | 6.475833062 | 5.627917312 |
| EHMT1 | ENSG00000181090.20 | 5.827949497 | 5.893382613 | 5.319619218 |
| SPCS2 | ENSG00000118363.11 | 5.678833634 | 5.591773103 | 5.407308988 |
| TSR2 | ENSG00000158526.7 | 5.127933125 | 6.264781555 | 5.513526175 |
| GPR107 | ENSG00000148358.19 | 5.297022049 | 6.687726178 | 4.91458704 |
| GNL1 | ENSG00000204590.12 | 4.988342768 | 5.095300785 | 5.520171316 |
| HOMER3 | ENSG00000051128.18 | 5.806090408 | 5.802389814 | 5.417059282 |
| PPP2R5C | ENSG00000078304.19 | 6.203194433 | 6.310070172 | 4.902679609 |
| TMEM141 | ENSG00000244187.7 | 6.094638359 | 6.213949986 | 6.980103294 |
| ITGB5 | ENSG00000082781.11 | 7.445861635 | 6.605623393 | 5.067996354 |
| DDX55 | ENSG00000111364.15 | 6.009841996 | 5.380815164 | 4.954614708 |
| SPRY4 | ENSG00000187678.8 | 7.843399856 | 5.301880898 | 9.147919933 |
| EHBP1 | ENSG00000115504.14 | 6.389327132 | 5.767932339 | 6.291823857 |
| LPIN1 | ENSG00000134324.11 | 4.921588812 | 6.159840757 | 5.441386864 |
| TAF11 | ENSG00000064995.16 | 5.506174145 | 4.957311728 | 5.017984714 |
| TRIM26 | ENSG00000234127.8 | 4.895842989 | 4.994857731 | 5.587927967 |
| LEF1 | ENSG00000138795.9 | 6.02429094 | 5.764047572 | 6.406603454 |
| POLR2M | ENSG00000255529.7 | 5.055704108 | 5.394377609 | 5.692145829 |
| STARD3 | ENSG00000131748.15 | 5.526312448 | 5.483661527 | 5.930609837 |
| VPS28 | ENSG00000160948.13 | 5.344130881 | 5.667951696 | 5.911744168 |
| THAP5 | ENSG00000177683.13 | 5.297135095 | 5.033209323 | 4.920464214 |

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| EXOSC1 | ENSG00000171311.12 | 6.406230777 | 5.428468378 | 5.494229174 |
| TMEM101 | ENSG00000091947.9 | 5.422102335 | 6.149185873 | 5.62707212 |
| PRIM1 | ENSG00000198056.13 | 6.277097681 | 5.008215467 | 4.994933661 |
| RABAC1 | ENSG00000105404.10 | 5.435684161 | 7.987640259 | 5.102445913 |
| CCDC85B | ENSG00000175602.3 | 7.080071688 | 5.784439734 | 5.01163496 |
| PDCL3 | ENSG00000115539.13 | 5.384715751 | 5.956080576 | 4.926000208 |
| PTDSS2 | ENSG00000174915.11 | 5.102566659 | 6.221373395 | 5.507530473 |
| PPM1F | ENSG00000100034.13 | 5.494391196 | 5.460077538 | 5.222708307 |
| E2F1 | ENSG00000101412.12 | 5.854119585 | 4.889675178 | 5.851927882 |
| SUPT7L | ENSG00000119760.15 | 4.992223967 | 5.420098725 | 5.030656625 |
| TMEM138 | ENSG00000149483.11 | 5.952737064 | 5.860687659 | 5.905885646 |
| TOB1 | ENSG00000141232.4 | 5.390498469 | 6.523857899 | 5.991022617 |
| MTIF3 | ENSG00000122033.14 | 4.993001859 | 5.270092247 | 5.499935311 |
| EXOC5 | ENSG00000070367.15 | 5.253469339 | 5.120947055 | 5.240575324 |
| ALDH7A1 | ENSG00000164904.17 | 5.987125115 | 5.027700688 | 5.751065936 |
| SSSCA1 | ENSG00000173465.7 | 6.653823317 | 5.421302669 | 5.469400985 |
| RETREG3 | ENSG00000141699.10 | 5.34752519 | 5.845915945 | 6.269641235 |
| ASH2L | ENSG00000129691.15 | 6.003448743 | 4.920306296 | 5.164582837 |
| SWAP70 | ENSG00000133789.14 | 4.967312881 | 5.986947267 | 5.99717955 |
| PWP1 | ENSG00000136045.11 | 6.590985914 | 7.18363634 | 5.072977832 |
| SHARPIN | ENSG00000179526.16 | 5.174975469 | 5.135034482 | 5.145128505 |
| STX10 | ENSG00000104915.14 | 6.07983375 | 5.44514205 | 5.21456546 |
| SH2B3 | ENSG00000111252.10 | 7.968009242 | 7.557172145 | 7.285487524 |
| NISCH | ENSG00000010322.15 | 5.062738583 | 5.755817153 | 4.908584996 |
| UPF3A | ENSG00000169062.14 | 5.767138424 | 4.962970059 | 5.177330821 |
| KMT2E | ENSG00000005483.20 | 5.010175206 | 5.596792995 | 5.956794021 |
| NBN | ENSG00000104320.13 | 5.900290259 | 5.069790844 | 4.970944115 |
| MEN1 | ENSG00000133895.14 | 6.313566745 | 5.700566951 | 5.141042039 |
| POLR3GL | ENSG00000121851.12 | 5.027534031 | 5.57917294 | 5.177954823 |
| PAFAH1B3 | ENSG00000079462.7 | 5.305934685 | 5.25087292 | 5.027564144 |
| SURF1 | ENSG00000148290.9 | 5.865999669 | 6.906582128 | 5.506963588 |
| PHF20 | ENSG00000025293.16 | 5.403571392 | 4.931714154 | 5.664589529 |
| FBXO9 | ENSG00000112146.16 | 5.07689637 | 5.279247959 | 5.531343923 |
| RBBP8 | ENSG00000101773.18 | 5.367913777 | 5.568070512 | 4.957530885 |
| MTMR14 | ENSG00000163719.19 | 6.061322087 | 5.877404616 | 5.611980022 |
| ACTR10 | ENSG00000131966.13 | 5.153289123 | 5.611799054 | 5.864144214 |
| UBE2A | ENSG00000077721.15 | 5.455691197 | 5.562349669 | 5.228643099 |
| JUNB | ENSG00000171223.5 | 7.082452931 | 5.965855383 | 5.693619501 |
| FAM122B | ENSG00000156504.16 | 5.30860955 | 5.316899034 | 5.465440447 |
| SLC39A3 | ENSG00000141873.10 | 4.841186929 | 5.558853073 | 5.05823158 |
| PLEKHM2 | ENSG00000116786.11 | 5.672112773 | 6.68337052 | 5.822826599 |
| GOLGA4 | ENSG00000144674.16 | 5.608839233 | 6.132514262 | 5.599170152 |
| SLC1A4 | ENSG00000115902.10 | 6.065405665 | 6.622957743 | 6.808353642 |
| NSMCE1 | ENSG00000169189.16 | 5.51454253 | 5.202743579 | 5.440911542 |
| SECISBP2L | ENSG00000138593.8 | 4.877446184 | 5.60931982 | 5.976156976 |
| TROVE2 | ENSG00000116747.12 | 5.587101525 | 4.859263935 | 5.100232813 |

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| NIN | ENSG00000100503.23 | 4.854209016 | 5.492344818 | 5.896009201 |
| ZMYM4 | ENSG00000146463.11 | 5.406425024 | 5.112254511 | 5.573869844 |
| ENTPD4 | ENSG00000197217.12 | 4.872380731 | 5.475587056 | 5.647777305 |
| HECTD3 | ENSG00000126107.14 | 5.186316703 | 5.608482314 | 5.083062098 |
| AP3M1 | ENSG00000185009.12 | 5.081301801 | 5.490817626 | 5.924035894 |
| ACTR1A | ENSG00000138107.12 | 6.965494474 | 5.386219686 | 6.599930865 |
| PI4KB | ENSG00000143393.16 | 5.998615774 | 5.661091222 | 5.243804066 |
| RLIM | ENSG00000131263.12 | 5.196109253 | 5.673474265 | 5.179432472 |
| ULK3 | ENSG00000140474.12 | 5.493425842 | 5.868460249 | 5.790276494 |
| PPM1B | ENSG00000138032.20 | 4.883857696 | 5.483757526 | 5.270244543 |
| WTAP | ENSG00000146457.14 | 6.356041091 | 5.419385863 | 5.205494402 |
| ZBTB4 | ENSG00000174282.11 | 4.946677864 | 4.922748249 | 5.70112908 |
| LACTB2 | ENSG00000147592.8 | 5.328594511 | 5.14169234 | 4.95641852 |
| RPRD2 | ENSG00000163125.15 | 6.099484106 | 5.413716397 | 4.904364865 |
| DUSP12 | ENSG00000081721.11 | 6.227795465 | 5.326954859 | 5.300575553 |
| CNOT3 | ENSG00000088038.17 | 5.985982438 | 5.032445624 | 5.631286872 |
| NAGLU | ENSG00000108784.9 | 5.050734843 | 6.291494684 | 5.027415254 |
| DECR1 | ENSG00000104325.6 | 5.023894831 | 5.76261378 | 6.006305938 |
| UBE2T | ENSG00000077152.9 | 7.325489806 | 5.605586659 | 4.868967988 |
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| GFM2 | ENSG00000164347.17 | 6.396818862 | 5.547845508 | 5.80196653 |
| GNA12 | ENSG00000146535.13 | 5.226329949 | 6.043185849 | 5.262823905 |
| TRIM4 | ENSG00000146833.15 | 5.179187751 | 5.768185386 | 4.986484439 |
| LTBP3 | ENSG00000168056.15 | 7.766134082 | 5.286177054 | 6.944360279 |
| FBRSL1 | ENSG00000112787.12 | 5.601556918 | 6.23442369 | 4.98163902 |
| RACGAP1 | ENSG00000161800.12 | 6.808630973 | 5.671862814 | 4.882089116 |
| TMEM219 | ENSG00000149932.16 | 5.146375965 | 5.966612019 | 5.799859713 |
| TEX10 | ENSG00000136891.13 | 5.924976078 | 5.964531381 | 4.879067566 |
| C3orf14 | ENSG00000114405.10 | 5.425664053 | 5.293137117 | 4.913347021 |
| BOD1L1 | ENSG00000038219.12 | 6.344651347 | 5.033612312 | 6.739564415 |
| PAK1 | ENSG00000149269.9 | 5.567047408 | 5.591500695 | 5.386453612 |
| BCS1L | ENSG00000074582.12 | 4.895647244 | 5.377721913 | 5.232604494 |
| PBXIP1 | ENSG00000163346.16 | 5.284983669 | 6.091311707 | 5.348869255 |
| TAP1 | ENSG00000168394.10 | 5.025334379 | 5.490588876 | 4.856000675 |
| DPAGT1 | ENSG00000172269.18 | 6.271144385 | 5.287495416 | 5.78103346 |
| IL6ST | ENSG00000134352.19 | 6.263280202 | 4.869295134 | 5.543699152 |
| KDM3B | ENSG00000120733.13 | 5.550496212 | 4.938308464 | 5.3771089 |
| EP400 | ENSG00000183495.13 | 5.882368469 | 5.531564767 | 7.250366098 |
| ARFIP2 | ENSG00000132254.12 | 5.538459413 | 6.556235396 | 4.8779643 |
| PRPF3 | ENSG00000117360.12 | 6.332182601 | 6.222783801 | 4.902859048 |
| ABHD17C | ENSG00000136379.11 | 7.12411913 | 6.511411183 | 5.916220921 |
| PPP5C | ENSG00000011485.14 | 6.412458751 | 4.952171099 | 5.366165765 |
| RASA3 | ENSG00000185989.10 | 6.016748864 | 4.922272869 | 6.160434527 |
| KCTD9 | ENSG00000104756.15 | 5.280096776 | 4.884642276 | 5.117536721 |
| LINC00511 | ENSG00000227036.6 | 6.711325598 | 5.854074825 | 6.467068543 |
| CRK | ENSG00000167193.7 | 5.997975778 | 4.877942939 | 5.051983615 |

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| LETMD1 | ENSG00000050426.15 | 6.152127125 | 5.388770185 | 5.866859438 |
| RFXANK | ENSG00000064490.13 | 6.388701218 | 5.799584648 | 5.083244217 |
| CDK7 | ENSG00000134058.11 | 6.488773678 | 5.253209022 | 5.351478748 |
| NFYC | ENSG00000066136.20 | 5.620595991 | 5.043621135 | 4.98033794 |
| ATM | ENSG00000149311.18 | 5.037879619 | 6.21918694 | 6.81744817 |
| SPAG7 | ENSG00000091640.7 | 6.382312384 | 4.940413225 | 5.898789689 |
| TM9SF1 | ENSG00000100926.14 | 5.501246197 | 5.261253087 | 5.060181254 |
| DHX40 | ENSG00000108406.9 | 5.868204812 | 6.378601121 | 5.861959572 |
| NR1D2 | ENSG00000174738.12 | 5.8361802 | 5.011540661 | 4.934985001 |
| KMT2C | ENSG00000055609.17 | 5.228330244 | 5.569567997 | 5.117411685 |
| SUGP2 | ENSG00000064607.16 | 5.718169981 | 5.805664408 | 5.203080409 |
| SGSM3 | ENSG00000100359.20 | 4.899072435 | 6.208897248 | 6.292216301 |
| PHF20L1 | ENSG00000129292.20 | 5.241943913 | 4.839342112 | 5.563843454 |
| UCHL5 | ENSG00000116750.13 | 6.924097759 | 5.716124025 | 4.867114562 |
| UNC119B | ENSG00000175970.10 | 5.402364693 | 4.837788634 | 5.957371479 |
| RAB11A | ENSG00000103769.9 | 5.792656177 | 5.463048601 | 5.439558504 |
| S100B | ENSG00000160307.9 | 6.695170164 | 8.476282712 | 8.265717495 |
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| SELENOT | ENSG00000198843.12 | 5.642569422 | 6.036314823 | 5.374292759 |
| UBE2J2 | ENSG00000160087.20 | 6.116513574 | 5.874119349 | 5.66518771 |
| TBC1D23 | ENSG00000036054.12 | 5.12493859 | 4.979799372 | 4.998403914 |
| PIGC | ENSG00000135845.9 | 5.65508868 | 4.934609848 | 5.376703221 |
| GLE1 | ENSG00000119392.14 | 6.288916901 | 6.157706902 | 4.89838462 |
| PHAX | ENSG00000164902.13 | 5.479081705 | 4.910863939 | 4.959185932 |
| CFAP97 | ENSG00000164323.12 | 6.332049591 | 5.5161799 | 6.275846886 |
| TMEM63B | ENSG00000137216.18 | 5.225621733 | 6.462101489 | 6.024920699 |
| PCIF1 | ENSG00000100982.11 | 5.304473465 | 4.914403623 | 5.161964839 |
| WDFY1 | ENSG00000085449.14 | 5.123972756 | 7.542365929 | 8.009293808 |
| ARFGAP3 | ENSG00000242247.10 | 4.881297643 | 5.794962844 | 6.92764032 |
| UBE2R2 | ENSG00000107341.4 | 6.175977401 | 5.358413057 | 5.167065178 |
| PIM3 | ENSG00000198355.4 | 6.32186087 | 6.794815537 | 6.821138382 |
| RBM6 | ENSG00000004534.14 | 5.873643784 | 5.6439636 | 5.659965673 |
| FNDC3B | ENSG00000075420.12 | 5.215814062 | 6.041662757 | 4.921155031 |
| AP3B1 | ENSG00000132842.13 | 5.352812411 | 5.100606072 | 5.137686804 |
| TRMT2A | ENSG00000099899.14 | 5.376356525 | 5.701194067 | 5.69131043 |
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| METTL23 | ENSG00000181038.13 | 5.35529153 | 5.886650579 | 5.560191164 |
| SDC4 | ENSG00000124145.6 | 6.967254342 | 4.863047234 | 5.924798065 |
| CBFB | ENSG00000067955.13 | 6.401878486 | 4.987276439 | 6.40988162 |
| DANCR | ENSG00000226950.6 | 5.994716471 | 5.432013309 | 6.004090832 |
| PBK | ENSG00000168078.9 | 6.628952918 | 5.552994497 | 4.864231322 |
| UQCC1 | ENSG00000101019.21 | 5.298176896 | 5.326590486 | 4.936627866 |
| ANKHD1-EIF4 | ENSG00000254996.5 | 5.083791341 | 4.907718368 | 5.246813782 |
| FTSJ1 | ENSG00000068438.14 | 6.119153949 | 5.325654211 | 4.940414988 |
| PDHX | ENSG00000110435.11 | 5.900330732 | 5.111745404 | 5.615795331 |
| NEDD4L | ENSG00000049759.17 | 5.780160021 | 7.785824373 | 7.399854828 |

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| NAA38 | ENSG00000183011.13 | 6.279227065 | 5.075307606 | 4.918977979 |
| SLC2A4RG | ENSG00000125520.13 | 5.306761378 | 5.276302912 | 5.73861818 |
| BABAM2 | ENSG00000158019.20 | 5.712445354 | 5.145175549 | 5.839051142 |
| FOXRED1 | ENSG00000110074.10 | 5.910195373 | 4.848491166 | 4.918650639 |
| PCBD1 | ENSG00000166228.8 | 5.352968287 | 5.258277859 | 5.910879781 |
| UBE2F | ENSG00000184182.18 | 5.121582593 | 6.168435085 | 5.196803557 |
| LASP1 | ENSG00000002834.17 | 5.898472844 | 6.367604491 | 4.998306102 |
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| ENDOD1 | ENSG00000149218.4 | 5.163612192 | 4.859294857 | 6.179836185 |
| SNX8 | ENSG00000106266.10 | 5.948896707 | 6.005571857 | 5.425669234 |
| STK40 | ENSG00000196182.10 | 5.850530627 | 5.98463037 | 5.610508474 |
| ZNF706 | ENSG00000120963.11 | 5.798408196 | 5.695163866 | 5.72056599 |
| NIT2 | ENSG00000114021.11 | 5.371038556 | 5.147893731 | 5.783587943 |
| PELP1 | ENSG00000141456.14 | 5.795910565 | 4.983046697 | 4.814876127 |
| FAM98A | ENSG00000119812.18 | 5.966381076 | 6.365421545 | 5.027798925 |
| TTC3 | ENSG00000182670.13 | 5.088167445 | 5.675433775 | 7.375410331 |
| ZNFX1 | ENSG00000124201.14 | 5.357840356 | 5.34855729 | 5.315638401 |
| TNRC18 | ENSG00000182095.14 | 6.040816621 | 5.905114021 | 5.645583671 |
| REEP4 | ENSG00000168476.11 | 5.739333038 | 5.677276767 | 4.905050938 |
| TP53RK | ENSG00000172315.5 | 5.211653566 | 5.391398499 | 6.019659692 |
| PAGR1 | ENSG00000280789.1 | 6.181691417 | 5.036164167 | 4.814472864 |
| GID8 | ENSG00000101193.7 | 5.986843706 | 4.80358691 | 5.376099128 |
| USP8 | ENSG00000138592.13 | 5.834479061 | 6.193978834 | 5.999002395 |
| AKAP9 | ENSG00000127914.16 | 5.435175324 | 6.000690552 | 5.304751989 |
| HERC2 | ENSG00000128731.15 | 5.323374353 | 5.410641086 | 4.89802736 |
| PPIP5K2 | ENSG00000145725.19 | 5.259288407 | 5.030519269 | 5.780307229 |
| ICMT | ENSG00000116237.15 | 6.112965085 | 6.116397846 | 5.105794593 |
| NCAPD3 | ENSG00000151503.12 | 6.71483096 | 4.841833139 | 4.821537858 |
| COX16 | ENSG00000133983.14 | 5.627480538 | 5.230200806 | 5.062305151 |
| CEP95 | ENSG00000258890.6 | 5.219330626 | 5.461694376 | 5.573237812 |
| MLST8 | ENSG00000167965.17 | 5.674001288 | 5.077080321 | 5.397743422 |
| STX4 | ENSG00000103496.14 | 5.804949935 | 5.818260596 | 5.47231973 |
| DESI2 | ENSG00000121644.18 | 6.23746735 | 4.812649271 | 5.764606387 |
| KIF1B | ENSG00000054523.17 | 5.407775412 | 5.626892448 | 5.901967839 |
| CHST11 | ENSG00000171310.10 | 4.979136613 | 6.028564975 | 8.368223022 |
| RAB5A | ENSG00000144566.10 | 6.300690965 | 6.251639283 | 5.795686552 |
| LRP10 | ENSG00000197324.8 | 4.834666701 | 5.639156377 | 6.061552395 |
| PSEN2 | ENSG00000143801.16 | 4.837709988 | 5.590633347 | 6.183850362 |
| SNRNP40 | ENSG00000060688.12 | 6.464332734 | 6.003439124 | 4.994907644 |
| MARCKS | ENSG00000277443.2 | 5.343498088 | 6.508461195 | 6.180426464 |
| FEM1B | ENSG00000169018.5 | 5.333771497 | 5.345840945 | 5.742934417 |
| CNIH1 | ENSG00000100528.11 | 5.306012068 | 5.223277728 | 5.710889928 |
| GBF1 | ENSG00000107862.4 | 5.848078331 | 5.21712523 | 5.326577546 |
| DPP3 | ENSG00000254986.7 | 5.821555961 | 5.237794436 | 5.85230697 |
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| CERK | ENSG00000100422.13 | 4.838406025 | 6.358788394 | 6.035960234 |

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| TBC1D16 | ENSG00000167291.15 | 5.946190558 | 8.621311957 | 7.651213093 |
| NCAPH | ENSG00000121152.9 | 6.447128754 | 5.306111871 | 4.893609998 |
| MFSD10 | ENSG00000109736.14 | 5.8266807 | 5.418166011 | 6.558789539 |
| GALNT2 | ENSG00000143641.9 | 8.363222542 | 7.62729311 | 4.809834314 |
| LRPAP1 | ENSG00000163956.10 | 5.140906834 | 5.333579783 | 7.244209638 |
| TNRC6A | ENSG00000090905.18 | 5.963257969 | 5.517377 | 5.209552461 |
| TMED5 | ENSG00000117500.12 | 5.153440072 | 5.421430446 | 4.813514127 |
| ZDHHC6 | ENSG00000023041.11 | 5.507465542 | 5.361107794 | 5.235386341 |
| PPT1 | ENSG00000131238.17 | 6.751067529 | 6.635057535 | 4.852455239 |
| TUSC2 | ENSG00000114383.9 | 5.599347641 | 5.553332783 | 5.064840255 |
| NOP14 | ENSG00000087269.15 | 6.994061429 | 4.827693718 | 6.458468932 |
| NSMAF | ENSG00000035681.7 | 5.684694565 | 5.736485158 | 5.832592376 |
| MFSD5 | ENSG00000182544.8 | 5.028136878 | 5.441089101 | 5.510060906 |
| TERF1 | ENSG00000147601.13 | 5.414539889 | 5.465634537 | 5.392954656 |
| MIA3 | ENSG00000154305.16 | 5.598151292 | 5.22108614 | 5.004685115 |
| SUPT20H | ENSG00000102710.19 | 5.744454722 | 5.365444967 | 4.836156128 |
| NDUFA10 | ENSG00000130414.11 | 4.783492334 | 5.599689705 | 5.649310743 |
| NUP155 | ENSG00000113569.15 | 6.148368379 | 5.609289583 | 4.818216677 |
| BIN3 | ENSG00000147439.12 | 6.393650275 | 6.357898855 | 5.787767277 |
| CHCHD5 | ENSG00000125611.15 | 4.886857146 | 5.267856005 | 5.114993593 |
| ELF1 | ENSG00000120690.15 | 5.390896552 | 5.164878162 | 6.549196507 |
| GPR108 | ENSG00000125734.15 | 6.029526658 | 6.003910361 | 5.701613519 |
| SLC25A13 | ENSG00000004864.13 | 6.129724572 | 6.858160875 | 4.885204423 |
| CLK1 | ENSG0000013441.15 | 4.828360935 | 4.962159795 | 5.667365478 |
| ACACA | ENSG00000278540.4 | 5.71236771 | 5.407687216 | 5.723665363 |
| POLG | ENSG00000140521.12 | 5.023908848 | 5.650017922 | 5.73392828 |
| PAXBP1 | ENSG00000159086.14 | 5.48229374 | 5.4192337 | 5.80098762 |
| XBP1 | ENSG00000100219.16 | 6.848243254 | 7.101707671 | 7.919264468 |
| GRK6 | ENSG00000198055.10 | 5.286840774 | 4.938865891 | 7.088973179 |
| METTL2B | ENSG00000165055.15 | 5.43110915 | 5.649156094 | 5.188651095 |
| PPAT | ENSG00000128059.8 | 5.613503918 | 4.959091443 | 5.003643652 |
| TRIO | ENSG00000038382.18 | 5.291718282 | 7.214470488 | 6.53494944 |
| TWISTNB | ENSG00000105849.5 | 5.31296058 | 6.142620117 | 5.033932308 |
| ABCB8 | ENSG00000197150.12 | 4.928655103 | 5.200101212 | 5.216789166 |
| CTCF | ENSG00000102974.14 | 6.087251008 | 4.837800425 | 5.096102827 |
| KLF9 | ENSG00000119138.4 | 7.145017679 | 5.872724183 | 4.853119832 |
| NR2F6 | ENSG00000160113.5 | 6.80409303 | 6.03143187 | 5.703976302 |
| CREB3L2 | ENSG00000182158.14 | 5.906145316 | 6.227185497 | 6.483004091 |
| TBC1D10B | ENSG00000169221.13 | 5.808406855 | 5.226494144 | 5.44049391 |
| FADD | ENSG00000168040.4 | 5.983858575 | 5.88952543 | 4.847514155 |
| MRPS33 | ENSG00000090263.15 | 5.042085377 | 5.595925867 | 5.402438487 |
| HTT | ENSG00000197386.10 | 4.97888705 | 4.805317173 | 6.703646281 |
| DARS2 | ENSG00000117593.9 | 6.92528395 | 5.048872401 | 4.799441493 |
| TACO1 | ENSG00000136463.7 | 5.658415671 | 5.562853836 | 5.955904105 |
| NADSYN1 | ENSG00000172890.11 | 4.986307593 | 5.991204824 | 5.640902333 |
| TWF1 | ENSG00000151239.13 | 6.987932881 | 7.089954084 | 4.816830686 |

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| CAPN15 | ENSG00000103326.11 | 5.901041742 | 5.162849949 | 5.092847289 |
| PSEN1 | ENSG00000080815.18 | 4.915426192 | 5.545511503 | 5.616100429 |
| AC020915.1 | ENSG00000142396.10 | 6.458693774 | 5.328283368 | 5.150104953 |
| UBA5 | ENSG00000081307.12 | 5.349509348 | 5.205580644 | 5.081783476 |
| TIMM21 | ENSG00000075336.11 | 5.171520169 | 6.009026735 | 4.860700224 |
| SPTSSA | ENSG00000165389.6 | 5.379175653 | 4.822807269 | 4.844992456 |
| PLK1 | ENSG00000166851.14 | 6.987787166 | 5.458374345 | 4.848428545 |
| CAND1 | ENSG00000111530.12 | 6.144695032 | 5.183577768 | 4.817036857 |
| ZFAND3 | ENSG00000156639.11 | 5.19501034 | 6.180199773 | 7.041163311 |
| MTMR2 | ENSG00000087053.18 | 6.341659194 | 4.947816022 | 5.78696103 |
| GTF3C5 | ENSG00000148308.17 | 6.76720129 | 6.906406893 | 4.955690459 |
| SLC35B4 | ENSG00000205060.10 | 4.819717953 | 5.94736032 | 5.9374065 |
| ATAD2 | ENSG00000156802.12 | 6.085281851 | 5.164029413 | 4.793779207 |
| OSBPL1A | ENSG00000141447.17 | 4.898586695 | 6.375725426 | 6.277828289 |
| CD58 | ENSG00000116815.15 | 6.104591568 | 5.81185192 | 5.034115841 |
| STAM | ENSG00000136738.14 | 4.887498326 | 5.12433652 | 5.383093772 |
| MRPS27 | ENSG00000113048.16 | 6.120689205 | 5.091536691 | 5.864653928 |
| DSN1 | ENSG00000149636.15 | 5.999514564 | 4.937899718 | 4.810319624 |
| PIP5K1A | ENSG00000143398.19 | 6.4393834 | 6.281059679 | 4.944933172 |
| HPCAL1 | ENSG00000115756.12 | 8.048390631 | 6.265126949 | 8.261742847 |
| BTG3 | ENSG00000154640.14 | 4.86504817 | 6.587831757 | 6.471977531 |
| ORC5 | ENSG00000164815.10 | 5.762330647 | 6.391028912 | 4.795117949 |
| RBM8A | ENSG00000265241.6 | 6.936987615 | 5.983313694 | 4.871332789 |
| PFKFB4 | ENSG00000114268.11 | 6.784288752 | 5.787587417 | 5.004614501 |
| UBE2B | ENSG00000119048.7 | 5.484222624 | 5.492713281 | 4.983006238 |
| CENPK | ENSG00000123219.12 | 5.43463258 | 5.311392083 | 4.89043181 |
| TRPM7 | ENSG00000092439.13 | 5.27711643 | 5.497610844 | 5.680906017 |
| ZNF598 | ENSG00000167962.13 | 6.064370575 | 5.568203845 | 4.933622488 |
| RNF144A | ENSG00000151692.14 | 5.163309499 | 5.849135467 | 5.558115963 |
| SNAPC2 | ENSG00000104976.11 | 5.374121885 | 5.433245203 | 5.168409071 |
| FOXJ3 | ENSG00000198815.8 | 5.964910983 | 5.073468077 | 4.778037272 |
| ZFP36L1 | ENSG00000185650.9 | 6.512632396 | 5.428514071 | 7.578911961 |
| NXF1 | ENSG00000162231.13 | 6.210955527 | 4.779341992 | 5.413484136 |
| METTL2A | ENSG00000087995.15 | 5.524351585 | 5.40763436 | 5.427027688 |
| MRPL54 | ENSG00000183617.4 | 6.624844473 | 4.770725884 | 5.223311276 |
| CLCN3 | ENSG00000109572.13 | 4.839140182 | 5.553694575 | 7.115869965 |
| KIAA0368 | ENSG00000136813.14 | 6.537462329 | 5.977651565 | 5.403545282 |
| MLLT1 | ENSG00000130382.8 | 6.700000521 | 5.495891237 | 6.778561558 |
| TMEM120A | ENSG00000189077.10 | 4.834016802 | 6.171349999 | 6.018833099 |
| ARPC5L | ENSG00000136950.13 | 6.662705208 | 6.854798387 | 4.791195285 |
| CHD1 | ENSG00000153922.10 | 6.071865211 | 6.160625352 | 5.55672468 |
| TFB2M | ENSG00000162851.7 | 7.027883733 | 4.774664409 | 4.844369958 |
| ARHGEF7 | ENSG00000102606.17 | 5.998268695 | 5.281896248 | 5.354092245 |
| CCDC50 | ENSG00000152492.13 | 4.81201547 | 5.179720529 | 5.33129559 |
| SLC4A1AP | ENSG00000163798.13 | 5.206031213 | 5.17748309 | 4.890841657 |
| RALGAPB | ENSG00000170471.14 | 5.206759287 | 4.851377553 | 5.82750059 |

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| CBR3 | ENSG00000159231.5 | 4.831254478 | 5.469367947 | 4.884072141 |
| APOO | ENSG00000184831.13 | 5.635546822 | 4.915761192 | 6.073258592 |
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| ALKBH3 | ENSG00000166199.12 | 5.371423617 | 5.302817557 | 5.877911661 |
| PCYOX1 | ENSG00000116005.11 | 5.036605072 | 5.926740594 | 4.769370323 |
| PCNX3 | ENSG00000197136.4 | 5.805301725 | 5.62762677 | 4.76515243 |
| ADCY3 | ENSG00000138031.14 | 5.998097737 | 5.932037275 | 5.43309974 |
| WWP1 | ENSG00000123124.13 | 5.035146608 | 5.629906242 | 6.260417529 |
| AMOTL1 | ENSG00000166025.17 | 7.098358126 | 5.274957883 | 5.600546801 |
| ABCC2 | ENSG00000023839.10 | 4.770318545 | 5.212698435 | 5.752203579 |
| DNPEP | ENSG00000123992.18 | 4.883731297 | 5.773007589 | 5.992793283 |
| POLR1B | ENSG00000125630.15 | 6.165454486 | 5.318460959 | 4.950400168 |
| BET1L | ENSG00000177951.17 | 5.331821156 | 6.180656376 | 5.694400292 |
| CRTC2 | ENSG00000160741.16 | 6.319707549 | 5.95889265 | 4.768051678 |
| AP1G1 | ENSG00000166747.12 | 6.095164242 | 6.006238266 | 6.088527937 |
| OAZ2 | ENSG00000180304.14 | 5.305796332 | 5.78504126 | 5.457340172 |
| KANK2 | ENSG00000197256.10 | 5.973142224 | 4.903687121 | 4.941451122 |
| RFWD3 | ENSG00000168411.13 | 6.408772851 | 5.801295999 | 5.306537823 |
| TM2D1 | ENSG00000162604.12 | 4.904367821 | 5.65326287 | 5.014991482 |
| CENPN | ENSG00000166451.13 | 6.197137916 | 5.414093978 | 5.283697813 |
| DUS3L | ENSG00000141994.15 | 5.895145882 | 5.215509642 | 4.9271435 |
| CARS2 | ENSG00000134905.16 | 6.489589578 | 5.391570784 | 4.85374611 |
| DUSP6 | ENSG00000139318.7 | 6.596972492 | 5.626948377 | 6.383352207 |
| TRIAP1 | ENSG00000170855.3 | 5.984455483 | 5.793542869 | 6.881972945 |
| PPP1R12A | ENSG00000058272.16 | 5.569232919 | 4.953055332 | 5.556992654 |
| MRFAP1 | ENSG00000179010.14 | 6.800935062 | 6.411631922 | 7.488118117 |
| CHMP1B | ENSG00000255112.2 | 5.754539242 | 7.867692659 | 5.027824465 |
| PRKRA | ENSG00000180228.12 | 4.978819874 | 5.248965518 | 5.494671819 |
| ARHGAP17 | ENSG00000140750.16 | 5.763121473 | 5.239998433 | 4.841010936 |
| ORC6 | ENSG00000091651.8 | 5.756223634 | 5.209696382 | 4.778296222 |
| PPAN | ENSG00000130810.19 | 6.431738392 | 5.500809582 | 5.200446607 |
| SH3BGRL | ENSG00000131171.12 | 4.855397026 | 6.657445687 | 6.393552807 |
| HSDL2 | ENSG00000119471.14 | 6.295959831 | 5.860236821 | 4.734323904 |
| PRRC2B | ENSG00000130723.18 | 5.833372555 | 6.15925776 | 4.879349139 |
| RNF145 | ENSG00000145860.11 | 6.975803315 | 5.250640247 | 5.040445395 |
| SPEN | ENSG00000065526.10 | 5.550438089 | 5.43353569 | 4.860715391 |
| SLC35F5 | ENSG00000115084.13 | 4.739143601 | 5.845964543 | 5.683819715 |
| SRC | ENSG00000197122.11 | 5.801378555 | 4.783448035 | 6.575538003 |
| C14orf166 | ENSG00000087302.8 | 6.173742518 | 6.09298106 | 5.93550177 |
| FAM189B | ENSG00000160767.20 | 6.348840593 | 5.606773178 | 4.848001575 |
| TTLL12 | ENSG00000100304.12 | 6.242380708 | 6.277808945 | 4.786028688 |
| EIF2AK2 | ENSG00000055332.16 | 5.490577753 | 5.259764542 | 4.73746623 |
| NOL12 | ENSG00000273899.4 | 5.64574307 | 5.206776052 | 4.900920163 |
| IPO8 | ENSG00000133704.9 | 6.357972533 | 5.339534292 | 4.745517525 |
| MEMO1 | ENSG00000162959.13 | 5.720931993 | 4.932887525 | 4.819659533 |

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| SNU13 | ENSG00000100138.13 | 6.948975841 | 6.619907369 | 6.018019304 |
| UBL3 | ENSG00000122042.9 | 4.781150584 | 6.715984657 | 7.575124364 |
| FAM89A | ENSG00000182118.7 | 5.413315118 | 4.877336928 | 5.852072944 |
| RAD17 | ENSG00000152942.18 | 4.981419614 | 4.775035384 | 5.558477448 |
| HSPBP1 | ENSG00000133265.10 | 6.982820103 | 5.046667473 | 5.814140295 |
| POLE3 | ENSG00000148229.12 | 6.867096421 | 6.785352917 | 4.813972898 |
| RPP30 | ENSG00000148688.13 | 5.882688476 | 5.168629736 | 4.798423479 |
| LAS1L | ENSG00000001497.16 | 6.612416945 | 5.827833996 | 5.035169192 |
| ZNHIT6 | ENSG00000117174.10 | 5.194033129 | 5.111010627 | 4.76749162 |
| MZT1 | ENSG00000204899.5 | 6.150069989 | 4.752843787 | 5.708670614 |
| RBBP4 | ENSG00000162521.18 | 5.840499235 | 4.874981612 | 5.309974884 |
| NFIX | ENSG00000008441.16 | 6.823024981 | 5.183881794 | 5.029989712 |
| WDR75 | ENSG00000115368.9 | 5.736678964 | 5.666004692 | 4.943637696 |
| PRKACA | ENSG00000072062.13 | 6.271142306 | 5.819571317 | 4.811449987 |
| CDKN1A | ENSG00000124762.13 | 6.747884459 | 7.737803578 | 9.50979875 |
| CYTH2 | ENSG00000105443.14 | 5.100639384 | 4.906711185 | 4.834484142 |
| FAM89B | ENSG00000176973.7 | 6.066870686 | 4.823485655 | 5.423484769 |
| CFAP20 | ENSG00000070761.7 | 5.649245605 | 4.787532476 | 5.627108163 |
| CCNB1IP1 | ENSG00000100814.17 | 4.964920055 | 5.058235596 | 5.371294174 |
| POLR1C | ENSG00000171453.17 | 5.435188554 | 4.872550273 | 4.900982218 |
| MTRR | ENSG00000124275.14 | 5.625409166 | 5.964973148 | 5.573678314 |
| FLYWCH1 | ENSG00000059122.16 | 5.05134407 | 5.464820371 | 5.760527877 |
| KNTC1 | ENSG00000184445.11 | 5.604036797 | 4.714181803 | 5.682570699 |
| BCKDK | ENSG00000103507.13 | 6.182511481 | 5.23938935 | 5.048525173 |
| MFN1 | ENSG00000171109.18 | 5.098685887 | 5.702279539 | 5.958869686 |
| RBM34 | ENSG00000188739.14 | 6.117398124 | 4.851234533 | 5.760723703 |
| DHX38 | ENSG00000140829.11 | 6.346104546 | 5.65049971 | 5.647093421 |
| NEPRO | ENSG00000163608.14 | 5.213773752 | 5.665240217 | 5.181132274 |
| RBM15B | ENSG00000259956.1 | 5.86485376 | 5.36968207 | 4.77073106 |
| PINK1 | ENSG00000158828.7 | 5.251249269 | 5.446899508 | 5.608802427 |
| KAT8 | ENSG00000103510.19 | 5.709054903 | 4.819956861 | 5.420377882 |
| NCKAP5L | ENSG00000167566.16 | 5.494817318 | 6.070131486 | 5.279340212 |
| UBE2J1 | ENSG00000198833.6 | 5.226536871 | 5.607031381 | 6.362088383 |
| RFC1 | ENSG00000035928.15 | 5.999529909 | 4.716926704 | 6.567264574 |
| DVL1 | ENSG00000107404.19 | 5.382033007 | 5.37422815 | 5.621981983 |
| METTL3 | ENSG00000165819.11 | 5.919786447 | 4.879956896 | 4.795591158 |
| NUBP1 | ENSG00000103274.10 | 6.405118497 | 4.867281459 | 4.989086459 |
| PNPLA8 | ENSG00000135241.16 | 4.813721467 | 4.965838572 | 4.912241451 |
| QRICH1 | ENSG00000198218.10 | 5.741116333 | 5.581733801 | 4.716508955 |
| EAPP | ENSG00000129518.8 | 5.806733916 | 4.816361325 | 5.379694873 |
| SPOP | ENSG00000121067.17 | 5.597368302 | 4.937207999 | 4.965992708 |
| CAMSAP2 | ENSG00000118200.14 | 5.786925593 | 4.805421253 | 5.020114395 |
| TPRA1 | ENSG00000163870.14 | 5.279164755 | 5.710845039 | 4.744136185 |
| SMYD5 | ENSG00000135632.11 | 5.329808462 | 5.055760491 | 4.799543244 |
| FAM208B | ENSG00000108021.19 | 6.450042993 | 5.693648566 | 5.929292273 |
| CLPB | ENSG00000162129.12 | 5.431019984 | 4.786140823 | 4.915835971 |

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| PPWD1 | ENSG00000113593.11 | 5.602577296 | 4.837744477 | 5.340760261 |
| MT-TQ | ENSG00000210107.1 | 5.530766849 | 6.16873202 | 4.898809662 |
| MSH2 | ENSG00000095002.13 | 6.575961663 | 5.801131375 | 4.709062489 |
| POLR2I | ENSG00000105258.8 | 5.785069236 | 5.313211838 | 5.113814761 |
| PRPS2 | ENSG00000101911.12 | 5.832936583 | 5.31953553 | 4.851960449 |
| BAK1 | ENSG00000030110.12 | 5.448022411 | 5.339969138 | 5.10412791 |
| CENPF | ENSG00000117724.12 | 7.184915332 | 5.442376936 | 4.787437397 |
| FHOD1 | ENSG00000135723.13 | 6.133392021 | 5.179798689 | 5.015840913 |
| EML2 | ENSG00000125746.16 | 5.659090625 | 6.026954253 | 5.861640584 |
| HNRNPLL | ENSG00000143889.15 | 5.543426004 | 5.606491655 | 5.579515325 |
| PTPN23 | ENSG00000076201.14 | 5.328297359 | 5.604090735 | 4.721466305 |
| CC2D1A | ENSG00000132024.17 | 5.849119382 | 6.248782656 | 6.422017191 |
| MLXIP | ENSG00000175727.13 | 4.793623616 | 5.758086672 | 5.406954395 |
| USF1 | ENSG00000158773.14 | 6.494893443 | 5.919905782 | 4.917444777 |
| SLC26A2 | ENSG00000155850.7 | 8.826189241 | 6.694074496 | 4.71674093 |
| SLMAP | ENSG00000163681.14 | 5.911120884 | 5.057993313 | 5.151885418 |
| CD276 | ENSG00000103855.17 | 6.868364088 | 8.49841841 | 5.378397924 |
| BRD7 | ENSG00000166164.15 | 6.152190148 | 4.734708118 | 5.736788764 |
| EIF4EBP2 | ENSG00000148730.6 | 5.555696259 | 5.178236523 | 4.737332962 |
| FAM118B | ENSG00000197798.8 | 4.827396657 | 4.755604359 | 4.889634218 |
| WIPF1 | ENSG00000115935.17 | 6.619416182 | 5.312320177 | 8.099960246 |
| SH2B1 | ENSG00000178188.14 | 5.19232732 | 5.3695686 | 5.321247976 |
| CDK11B | ENSG00000248333.8 | 5.220992155 | 5.20161545 | 4.937508933 |
| POLRMT | ENSG00000099821.13 | 5.730668409 | 6.33288977 | 5.429848212 |
| KIAA0930 | ENSG00000100364.18 | 5.090982993 | 6.516335444 | 5.124834575 |
| PRMT7 | ENSG00000132600.16 | 5.366237165 | 4.878964912 | 6.26563746 |
| DMAC2 | ENSG00000105341.18 | 5.56336808 | 5.636597967 | 5.001380987 |
| SP110 | ENSG00000135899.17 | 4.704830545 | 5.420811945 | 5.089174407 |
| PHLDB1 | ENSG00000019144.18 | 6.122819255 | 4.98102996 | 6.864721398 |
| PRDX1 | ENSG00000117450.13 | 9.844125228 | 9.322525948 | 9.08456417 |
| GM2A | ENSG00000196743.8 | 4.716644734 | 6.897875516 | 7.474404659 |
| IDS | ENSG00000010404.17 | 6.054407136 | 6.649969866 | 6.534915074 |
| TPRG1L | ENSG00000158109.14 | 5.172203877 | 6.359119857 | 6.132241981 |
| GSTM4 | ENSG00000168765.16 | 4.907923968 | 5.316505959 | 5.068435306 |
| TRRAP | ENSG00000196367.12 | 5.050084772 | 5.618981539 | 4.710507899 |
| NCKAP1 | ENSG00000061676.14 | 4.696979009 | 5.538363706 | 5.553937836 |
| CDCA5 | ENSG00000146670.9 | 6.487287968 | 5.191160243 | 4.742956108 |
| ESRRA | ENSG00000173153.13 | 5.452818249 | 5.338105753 | 5.969263473 |
| CREB3 | ENSG00000107175.11 | 5.76285302 | 5.078237629 | 4.838893629 |
| SIN3B | ENSG00000127511.9 | 5.755304576 | 7.402183696 | 5.252394303 |
| TULP3 | ENSG00000078246.16 | 5.249215793 | 4.69611602 | 6.227450367 |
| PANK3 | ENSG00000120137.6 | 5.639392617 | 4.704601018 | 5.848732727 |
| IP6K1 | ENSG00000176095.11 | 5.665453365 | 5.684550236 | 4.685235563 |
| SMC1A | ENSG00000072501.17 | 6.876896889 | 5.109843637 | 5.429893784 |
| PRCP | ENSG00000137509.10 | 4.716322553 | 4.732508937 | 5.127627026 |
| CHP1 | ENSG00000187446.11 | 6.786751405 | 6.589938507 | 7.614311815 |

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| TRIM27 | ENSG00000204713.10 | 5.242466627 | 5.120896651 | 5.266518906 |
| MTMR4 | ENSG00000108389.9 | 5.234532564 | 5.727742069 | 5.78071436 |
| QSOX1 | ENSG00000116260.16 | 5.814430143 | 5.855127362 | 5.610700902 |
| NIF3L1 | ENSG00000196290.14 | 5.064483702 | 5.241425791 | 4.742297041 |
| ASPSCR1 | ENSG00000169696.15 | 4.878285822 | 5.109506172 | 5.6124734 |
| KANSL3 | ENSG00000114982.17 | 4.883315459 | 4.737020574 | 5.793281834 |
| STX2 | ENSG00000111450.13 | 4.756872881 | 5.126183611 | 6.239108054 |
| CDK17 | ENSG00000059758.7 | 4.796602034 | 5.111317129 | 6.125176684 |
| AMDHD2 | ENSG00000162066.14 | 4.678151568 | 6.083503686 | 5.932301898 |
| SDHC | ENSG00000143252.14 | 5.596069499 | 5.522649729 | 4.782078836 |
| PKP4 | ENSG00000144283.21 | 5.145416625 | 5.163885779 | 6.080496306 |
| TMEM54 | ENSG00000121900.18 | 4.756541129 | 5.212057365 | 5.431108692 |
| STXBP3 | ENSG00000116266.10 | 5.60280482 | 5.452294864 | 4.705738414 |
| FANCL | ENSG00000115392.11 | 5.730565788 | 4.821619711 | 5.093180087 |
| MGAT2 | ENSG00000168282.5 | 5.47870829 | 4.689710916 | 5.00256207 |
| CCDC34 | ENSG00000109881.16 | 4.911198885 | 4.755968536 | 5.176406901 |
| HMGXB4 | ENSG00000100281.13 | 5.353411549 | 5.328727929 | 5.231269145 |
| KRIT1 | ENSG00000001631.15 | 4.867480172 | 5.299987723 | 4.792546806 |
| C1orf122 | ENSG00000197982.13 | 6.253926654 | 5.316820737 | 4.926566949 |
| FOXRED2 | ENSG00000100350.14 | 5.143110701 | 5.189006004 | 5.648110307 |
| RBMX2 | ENSG00000134597.15 | 5.769803582 | 5.677051164 | 5.146883672 |
| KIF2C | ENSG00000142945.12 | 6.632168811 | 4.794823516 | 4.858976545 |
| G6PC3 | ENSG00000141349.8 | 6.861380784 | 6.636318833 | 5.915350848 |
| MAPK1IP1L | ENSG00000168175.14 | 5.49403936 | 5.489770788 | 5.938539686 |
| PIP4K2A | ENSG00000150867.13 | 4.755489144 | 5.738182855 | 6.246770682 |
| EIF1AD | ENSG00000175376.8 | 5.39889687 | 4.920934883 | 5.097232287 |
| CEP63 | ENSG00000182923.16 | 4.783808549 | 5.170171858 | 4.875782621 |
| METTL17 | ENSG00000165792.17 | 6.238073022 | 4.690279755 | 4.979237848 |
| ATP11B | ENSG00000058063.15 | 5.310452567 | 5.296055316 | 5.475006086 |
| C1orf216 | ENSG00000142686.7 | 4.704199331 | 4.912267723 | 5.719791324 |
| RAB29 | ENSG00000117280.12 | 5.676380894 | 4.763522488 | 4.904780536 |
| ZMYM2 | ENSG00000121741.16 | 5.635046032 | 5.303826745 | 5.046838276 |
| KDM4A | ENSG00000066135.12 | 5.567052407 | 5.053727232 | 5.543215115 |
| AKT1 | ENSG00000142208.15 | 5.938391144 | 6.60626204 | 4.895489164 |
| ELP2 | ENSG00000134759.13 | 5.332537358 | 6.167313184 | 4.995970893 |
| NDUFB1 | ENSG00000183648.9 | 6.329010376 | 6.814022701 | 4.954865508 |
| NEU1 | ENSG00000204386.10 | 4.993025453 | 6.108586548 | 5.49166896 |
| SYAP1 | ENSG00000169895.5 | 5.717873525 | 4.69826826 | 5.117003793 |
| PPP2R5E | ENSG00000154001.13 | 5.162583174 | 4.731824768 | 4.952473752 |
| ENY2 | ENSG00000120533.12 | 5.962737952 | 5.000387445 | 4.857004873 |
| ITM2B | ENSG00000136156.12 | 5.383551233 | 5.506223702 | 5.526916374 |
| MMS19 | ENSG00000155229.20 | 6.184427214 | 5.531590815 | 6.174913735 |
| TCFL5 | ENSG00000101190.12 | 4.934833031 | 5.265433721 | 5.748799483 |
| GPN1 | ENSG00000198522.13 | 5.595874163 | 5.7846319 | 4.751305266 |
| NCS1 | ENSG00000107130.9 | 5.490678626 | 7.369949704 | 4.760044904 |
| SHKBP1 | ENSG00000160410.14 | 5.972493322 | 6.735371949 | 6.249735682 |

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| SNX14 | ENSG00000135317.12 | 5.604015238 | 5.062556308 | 5.499940861 |
| CLN6 | ENSG00000128973.12 | 5.624058914 | 5.456267793 | 4.784150309 |
| ACY1 | ENSG00000243989.8 | 6.263094536 | 6.098447369 | 4.739559956 |
| IFT57 | ENSG00000114446.4 | 5.69798884 | 4.74650893 | 5.024444828 |
| HMG20A | ENSG00000140382.14 | 5.179308591 | 5.269524384 | 5.487224331 |
| LTV1 | ENSG00000135521.8 | 6.155025094 | 5.218798144 | 4.703513623 |
| SBNO1 | ENSG00000139697.13 | 5.412187874 | 5.00771324 | 5.607746909 |
| ITSN2 | ENSG00000198399.14 | 5.383418449 | 5.865639411 | 5.89570333 |
| NAT9 | ENSG00000109065.11 | 5.16214042 | 6.176500402 | 5.783043274 |
| ZFP36L2 | ENSG00000152518.7 | 6.85057134 | 6.32304855 | 4.732165292 |
| RNF216 | ENSG00000011275.18 | 5.225951753 | 5.985698343 | 6.106943179 |
| KIAA0141 | ENSG00000081791.8 | 5.945693275 | 4.727132116 | 5.667261569 |
| NIT1 | ENSG00000158793.13 | 5.690742526 | 6.035703076 | 5.339319437 |
| ALG1 | ENSG00000033011.11 | 5.219195736 | 5.29633753 | 4.764123953 |
| CCDC82 | ENSG00000149231.11 | 5.229817614 | 4.720053335 | 5.634378615 |
| SART3 | ENSG00000075856.11 | 6.482623629 | 5.797718076 | 4.751814068 |
| SCAF11 | ENSG00000139218.17 | 6.005408259 | 4.839347742 | 6.059483519 |
| TRIP13 | ENSG00000071539.13 | 6.436723896 | 5.861185183 | 4.69174949 |
| DLG1 | ENSG00000075711.20 | 4.769016502 | 5.828377214 | 5.878305826 |
| DHRS7 | ENSG00000100612.13 | 4.695896308 | 5.60089716 | 6.160607391 |
| RFWD2 | ENSG00000143207.19 | 5.631088939 | 4.833235768 | 4.837660025 |
| CYTOR | ENSG00000222041.10 | 5.239079601 | 5.565855935 | 4.685043907 |
| PHYH | ENSG00000107537.13 | 4.983512358 | 4.718539686 | 5.537173301 |
| BRAF | ENSG00000157764.12 | 4.691225217 | 5.024400147 | 5.40914262 |
| ABCC1 | ENSG00000103222.18 | 4.940565909 | 5.763716405 | 4.718136236 |
| VPS11 | ENSG00000160695.14 | 4.955524571 | 4.946344369 | 5.691132029 |
| STK24 | ENSG00000102572.14 | 6.640093565 | 4.999775479 | 7.305000474 |
| NDUFV3 | ENSG00000160194.17 | 5.311234994 | 5.107783748 | 4.666606126 |
| NRBF2 | ENSG00000148572.15 | 4.666751085 | 5.862741324 | 5.218180422 |
| UNK | ENSG00000132478.9 | 5.26829685 | 5.668964438 | 6.355782253 |
| CHRAC1 | ENSG00000104472.9 | 5.89102544 | 5.132609598 | 4.713020774 |
| RWDD1 | ENSG00000111832.12 | 5.138713759 | 4.924194753 | 5.060926091 |
| UBE2V2 | ENSG00000169139.11 | 6.188993881 | 4.853825278 | 5.047340083 |
| SFT2D1 | ENSG00000198818.9 | 5.990313837 | 4.972108386 | 4.867996911 |
| DDR1 | ENSG00000204580.13 | 5.211496577 | 5.685784943 | 6.312722142 |
| NAB1 | ENSG00000138386.16 | 4.91062332 | 5.144293985 | 5.280901144 |
| METTL5 | ENSG00000138382.14 | 4.841853808 | 6.046196496 | 6.31570156 |
| ARMC10 | ENSG00000170632.13 | 5.152186641 | 5.658077351 | 5.004463283 |
| ITPKB | ENSG00000143772.9 | 4.671783728 | 7.502359157 | 6.012321013 |
| PRNP | ENSG00000171867.16 | 8.504062519 | 7.567171938 | 5.572366174 |
| TDP2 | ENSG00000111802.13 | 5.123258057 | 5.379295017 | 5.656853394 |
| TLK2 | ENSG00000146872.17 | 5.215950707 | 5.135892071 | 5.474427179 |
| CDIPT | ENSG00000103502.13 | 5.797516531 | 5.267949994 | 5.088271489 |
| DDT | ENSG00000099977.13 | 5.555770779 | 6.715659195 | 5.326498778 |
| EML4 | ENSG00000143924.18 | 5.471877219 | 5.990592979 | 4.701389823 |
| NSUN5 | ENSG00000130305.16 | 5.496332776 | 5.482492073 | 4.800076031 |

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| NUP50 | ENSG00000093000.18 | 6.124503956 | 6.228322484 | 5.779936859 |
| MORN2 | ENSG00000188010.12 | 5.098423266 | 4.996428357 | 4.765566646 |
| MARK2 | ENSG00000072518.20 | 5.445244624 | 5.117489626 | 5.072204331 |
| ADD3 | ENSG00000148700.14 | 6.105310721 | 5.267954195 | 6.409522644 |
| PIIH | ENSG00000171960.10 | 7.113723633 | 5.631571283 | 4.744126979 |
| P4HA1 | ENSG00000122884.12 | 5.67791104 | 6.056134313 | 4.666245034 |
| USP10 | ENSG00000103194.15 | 6.301130695 | 5.621801521 | 5.645470703 |
| ST7 | ENSG00000004866.20 | 4.67114504 | 6.504395518 | 6.304233769 |
| TRIM37 | ENSG00000108395.13 | 4.739078415 | 5.169070232 | 5.356349864 |
| C11orf68 | ENSG00000175573.6 | 5.478789833 | 5.094547499 | 5.566522025 |
| SMARCA2 | ENSG00000080503.22 | 6.622752433 | 5.059060256 | 5.520946114 |
| NDUFA5 | ENSG00000128609.14 | 5.876152086 | 6.966085855 | 7.05072191 |
| IGF1R | ENSG00000140443.13 | 6.245758544 | 5.488080763 | 5.860349434 |
| VARS2 | ENSG00000137411.16 | 5.164801277 | 5.022396435 | 7.09186947 |
| EP300 | ENSG00000100393.12 | 5.083173629 | 5.46345258 | 5.643113422 |
| CABIN1 | ENSG00000099991.17 | 4.696931708 | 5.2181581 | 5.636606903 |
| MT-TI | ENSG00000210100.1 | 6.147253115 | 6.455215322 | 5.973682499 |
| AZI2 | ENSG00000163512.13 | 5.35958875 | 5.33654287 | 5.349161174 |
| PDE8A | ENSG00000073417.14 | 4.729387781 | 5.554403896 | 5.047154216 |
| RNASEH2C | ENSG00000172922.8 | 5.567954337 | 5.189071537 | 4.891348341 |
| ASNSD1 | ENSG00000138381.9 | 5.177601273 | 5.892740365 | 5.421021214 |
| AP1M1 | ENSG00000072958.8 | 7.234807082 | 5.969080265 | 5.788655366 |
| OBSL1 | ENSG00000124006.14 | 6.625116096 | 4.688694957 | 5.249051528 |
| DDX54 | ENSG00000123064.12 | 6.232693937 | 5.615259598 | 4.653159861 |
| NFS1 | ENSG00000244005.12 | 5.93132743 | 4.733276441 | 5.736528683 |
| MEAF6 | ENSG00000163875.15 | 5.431202718 | 4.741708343 | 5.059456355 |
| PPP2R5D | ENSG00000112640.14 | 5.456318463 | 5.240085981 | 5.577278797 |
| SMAD5 | ENSG00000113658.16 | 5.310417079 | 4.717450692 | 5.47790777 |
| PHRF1 | ENSG00000070047.11 | 5.183213215 | 5.277037313 | 5.314871361 |
| RB1CC1 | ENSG00000023287.12 | 5.596372244 | 5.558791532 | 5.897141078 |
| GUCD1 | ENSG00000138867.16 | 5.106072014 | 5.4564403 | 5.080749513 |
| AMMECR1L | ENSG00000144233.9 | 4.682781802 | 6.194396635 | 4.880364185 |
| SMG1 | ENSG00000157106.16 | 5.413743492 | 5.320488171 | 5.482437164 |
| LPCAT3 | ENSG00000111684.10 | 6.085137536 | 4.877841154 | 4.732811333 |
| IFI35 | ENSG00000068079.7 | 5.614123856 | 5.574529181 | 5.57498172 |
| PAPD4 | ENSG00000164329.13 | 5.250411634 | 4.988900949 | 5.720918122 |
| NOC4L | ENSG00000184967.6 | 5.625813164 | 4.716428894 | 5.683621561 |
| TBC1D7 | ENSG00000145979.17 | 4.796985621 | 7.700875068 | 7.790529724 |
| SFSWAP | ENSG00000061936.9 | 5.777509409 | 4.990985201 | 7.394963562 |
| RRP9 | ENSG00000114767.6 | 6.280036467 | 6.176761211 | 4.663535843 |
| EXTL3 | ENSG00000012232.8 | 4.661404537 | 5.677341623 | 4.873366995 |
| ETV1 | ENSG00000006468.13 | 5.737080716 | 5.360112084 | 5.250691091 |
| HTATIP2 | ENSG00000109854.13 | 6.109285655 | 7.036528268 | 6.80448354 |
| PPP2R2A | ENSG00000221914.9 | 6.101921138 | 6.033044664 | 5.086179025 |
| DPH5 | ENSG00000117543.20 | 5.050957969 | 5.122688702 | 5.396376409 |
| TXNDC11 | ENSG00000153066.12 | 4.898400056 | 4.738998751 | 5.131265501 |

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| NT5C2 | ENSG00000076685.18 | 5.605399318 | 4.800939294 | 5.37587907 |
| ABI1 | ENSG00000136754.17 | 4.882623386 | 5.151584431 | 5.734536406 |
| WSB1 | ENSG00000109046.14 | 4.748313647 | 6.020453077 | 6.226747422 |
| COMMD6 | ENSG00000188243.12 | 5.159842613 | 5.22446824 | 4.834398694 |
| THUMPD1 | ENSG00000066654.13 | 5.428761421 | 4.723165088 | 4.641231236 |
| ADCK2 | ENSG00000133597.10 | 5.188581606 | 5.142280994 | 6.270840007 |
| NSA2 | ENSG00000164346.9 | 5.925219106 | 4.612897563 | 5.350732685 |
| BAD | ENSG00000002330.13 | 5.956609214 | 4.798284121 | 6.153181249 |
| TAF1C | ENSG00000103168.16 | 5.111574836 | 6.466373366 | 5.325737054 |
| KIF22 | ENSG00000079616.12 | 6.827125581 | 5.105341086 | 4.635380688 |
| DCK | ENSG00000156136.9 | 5.426835127 | 4.615963402 | 5.048820991 |
| STX12 | ENSG00000117758.13 | 5.05755248 | 4.827262411 | 5.201453687 |
| PRKACB | ENSG00000142875.19 | 4.868042062 | 4.638952491 | 4.942741684 |
| WRNIP1 | ENSG00000124535.15 | 5.796580341 | 5.634555293 | 6.22333345 |
| ZNF664 | ENSG00000179195.15 | 5.799343678 | 5.862678303 | 6.518609702 |
| SETD7 | ENSG00000145391.13 | 5.4776915 | 4.637002227 | 4.985779346 |
| TROAP | ENSG00000135451.12 | 6.090634103 | 4.854984609 | 4.703845744 |
| LMNB1 | ENSG00000113368.11 | 7.35662784 | 4.814680768 | 4.680739317 |
| MUM1 | ENSG00000160953.15 | 4.734074452 | 5.503395828 | 5.275699332 |
| TMEM183A | ENSG00000163444.11 | 6.357952044 | 5.363346455 | 4.660946977 |
| ARID1A | ENSG00000117713.18 | 6.358334231 | 5.507978966 | 5.174590165 |
| PPRC1 | ENSG00000148840.10 | 5.907205032 | 4.986617633 | 4.832620214 |
| PPP4R1 | ENSG00000154845.15 | 5.109978705 | 5.781765253 | 5.213225557 |
| ZDHHC7 | ENSG00000153786.12 | 5.852546723 | 5.852301162 | 5.481666994 |
| STK17A | ENSG00000164543.5 | 6.053661901 | 6.0162193 | 5.413334262 |
| SNAPIN | ENSG00000143553.10 | 5.349515737 | 5.646711261 | 4.795534649 |
| MTERF3 | ENSG00000156469.8 | 5.660608146 | 4.922558397 | 4.961622222 |
| IPO11 | ENSG00000086200.16 | 5.404897728 | 4.61470737 | 4.797423677 |
| QSOX2 | ENSG00000165661.16 | 5.511528953 | 6.03071502 | 4.671993501 |
| TARS2 | ENSG00000143374.16 | 5.917133124 | 5.439487682 | 4.95496921 |
| CUEDC1 | ENSG00000180891.12 | 5.845716514 | 5.00167045 | 4.681196288 |
| CXXC1 | ENSG00000154832.14 | 5.573806396 | 5.474941755 | 5.143294457 |
| KRAS | ENSG00000133703.11 | 5.505725541 | 5.066617847 | 6.489339426 |
| MTCO1P12 | ENSG00000237973.1 | 4.732481861 | 6.066158113 | 5.939026435 |
| HPS5 | ENSG00000110756.17 | 5.470580197 | 6.489065416 | 5.048417821 |
| KLHL12 | ENSG00000117153.15 | 5.52638402 | 5.285568587 | 4.677891426 |
| GIGYF1 | ENSG00000146830.9 | 4.870962467 | 5.878991933 | 4.968151801 |
| BIRC6 | ENSG00000115760.13 | 5.624985912 | 6.144245992 | 4.960011286 |
| PAXX | ENSG00000148362.10 | 5.559494378 | 5.81453355 | 4.784594478 |
| MTMR6 | ENSG00000139505.11 | 4.875071011 | 4.61996333 | 4.829703545 |
| MAPK8IP3 | ENSG00000138834.12 | 4.794060601 | 5.010851349 | 5.601438161 |
| RABEP1 | ENSG00000029725.16 | 6.061518936 | 4.702162127 | 5.949418878 |
| HMGCS1 | ENSG00000112972.14 | 4.719945129 | 6.061466038 | 5.728366357 |
| ZCCHC11 | ENSG00000134744.13 | 5.361397029 | 5.018249848 | 5.184034773 |
| PRPSAP2 | ENSG00000141127.14 | 5.578330964 | 4.674930047 | 4.815168189 |
| LSM5 | ENSG00000106355.9 | 5.417901349 | 5.852103902 | 4.671550963 |

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| ENAH | ENSG00000154380.17 | 7.490179591 | 4.842407422 | 6.304660446 |
| TAP2 | ENSG00000204267.13 | 5.189237897 | 5.458317895 | 4.655826412 |
| STK11IP | ENSG00000144589.21 | 5.274792211 | 4.75988816 | 5.074440358 |
| MAPK9 | ENSG00000050748.17 | 5.23679293 | 4.718546177 | 5.653875925 |
| PLXNB2 | ENSG00000196576.14 | 6.490157647 | 8.001657739 | 8.214590646 |
| SNRPF | ENSG00000139343.10 | 7.203141004 | 6.165449362 | 4.632334458 |
| SOX13 | ENSG00000143842.14 | 4.764039828 | 5.984024709 | 5.532750828 |
| GFPT1 | ENSG00000198380.12 | 5.008370064 | 6.281816344 | 5.424185692 |
| PDCD11 | ENSG00000148843.13 | 6.843905813 | 5.141575549 | 5.178842444 |
| MSMO1 | ENSG00000052802.12 | 4.649044884 | 6.539046889 | 6.193016058 |
| COX20 | ENSG00000203667.9 | 5.748130907 | 4.689127549 | 7.074038099 |
| CWC22 | ENSG00000163510.13 | 5.011998265 | 4.983757594 | 4.827264725 |
| POLR1A | ENSG00000068654.15 | 5.069155301 | 5.645629827 | 4.638457638 |
| ZBED5 | ENSG00000236287.7 | 5.208395731 | 5.519576037 | 5.334218857 |
| TEX30 | ENSG00000151287.16 | 5.337996536 | 4.735396168 | 4.726776174 |
| EGLN1 | ENSG00000135766.8 | 5.131141181 | 5.059353989 | 5.379115562 |
| POM121 | ENSG00000196313.11 | 5.46504542 | 5.882129416 | 5.258303606 |
| RDH14 | ENSG00000240857.1 | 5.086404476 | 4.969884883 | 4.612460079 |
| SNRNP27 | ENSG00000124380.10 | 5.58102692 | 5.204930439 | 4.877605406 |
| PIGX | ENSG00000163964.14 | 4.622372855 | 4.786425891 | 4.984441942 |
| ANAPC7 | ENSG00000196510.12 | 6.480464197 | 6.23763036 | 4.777480446 |
| RPE | ENSG00000197713.14 | 5.317464577 | 6.341626801 | 6.044033559 |
| PPP3CA | ENSG00000138814.16 | 4.854690899 | 5.177177742 | 5.91018485 |
| COPS4 | ENSG00000138663.8 | 5.270565417 | 4.674569698 | 5.639668038 |
| NECAB3 | ENSG00000125967.16 | 4.812475747 | 5.3902309 | 5.796912604 |
| VKORC1L1 | ENSG00000196715.5 | 5.141241712 | 5.713813643 | 4.650503994 |
| SNHG16 | ENSG00000163597.14 | 5.674536135 | 5.634009277 | 6.491613914 |
| ACVR1 | ENSG00000115170.13 | 4.633196773 | 5.355380913 | 5.859065806 |
| MGRN1 | ENSG00000102858.12 | 5.344230751 | 5.359015313 | 5.209083463 |
| ARL5A | ENSG00000162980.16 | 4.643796762 | 5.49984355 | 5.113615583 |
| DNAJC14 | ENSG00000135392.15 | 5.76487508 | 5.658233068 | 5.164159935 |
| CYHR1 | ENSG00000187954.12 | 4.725619301 | 5.399583105 | 5.448939069 |
| SIL1 | ENSG00000120725.12 | 4.750865649 | 4.90757858 | 5.087321995 |
| NSRP1 | ENSG00000126653.17 | 5.458865671 | 5.915773026 | 6.275978043 |
| USP47 | ENSG00000170242.17 | 4.699042276 | 4.959512611 | 5.472611881 |
| FOXK1 | ENSG00000164916.10 | 4.917566156 | 5.411176356 | 5.205881088 |
| TP53I13 | ENSG00000167543.15 | 5.047039516 | 5.404812269 | 5.695771283 |
| PLPBP | ENSG00000147471.11 | 4.679708058 | 5.206715687 | 5.462281662 |
| R3HDM1 | ENSG00000048991.16 | 5.46361551 | 5.345677682 | 5.516775064 |
| TUBB2A | ENSG00000137267.5 | 4.835276513 | 6.976257757 | 4.716752084 |
| INTS10 | ENSG00000104613.11 | 5.813967719 | 4.646721081 | 5.182697596 |
| ACBD5 | ENSG00000107897.18 | 5.181534942 | 4.796768537 | 4.967213387 |
| PHF6 | ENSG00000156531.16 | 5.467256346 | 5.054472422 | 4.740721979 |
| CASP3 | ENSG00000164305.18 | 5.68581228 | 4.626098296 | 4.858305203 |
| LZTS2 | ENSG00000107816.17 | 6.378353892 | 5.320207238 | 5.935852478 |
| ELP6 | ENSG00000163832.15 | 6.533366462 | 5.627106232 | 4.659332452 |

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| SAP130 | ENSG00000136715.17 | 4.615803814 | 5.245065082 | 4.71367927 |
| KDELC2 | ENSG00000178202.12 | 5.458449067 | 4.674463526 | 5.638338716 |
| TELO2 | ENSG00000100726.14 | 5.156368254 | 4.889521818 | 5.612205541 |
| CSTF2 | ENSG00000101811.13 | 6.373584637 | 5.379734236 | 4.681986935 |
| KCMF1 | ENSG00000176407.17 | 4.692705901 | 4.691962456 | 4.64296969 |
| ABL1 | ENSG00000097007.17 | 6.019466119 | 6.59236159 | 4.819811299 |
| CSNK1G3 | ENSG00000151292.17 | 5.736863263 | 4.650259471 | 5.332253609 |
| HARS2 | ENSG00000112855.14 | 5.935832894 | 4.903099348 | 5.002174877 |
| TSN | ENSG00000211460.11 | 5.049952633 | 5.800540894 | 6.503583052 |
| R3HDM4 | ENSG00000198858.9 | 5.290900966 | 6.347367186 | 5.528610832 |
| AEN | ENSG00000181026.14 | 6.253651432 | 6.860517369 | 6.632303793 |
| CD46 | ENSG00000117335.19 | 5.47254528 | 5.177981562 | 4.785158352 |
| CHCHD1 | ENSG00000172586.7 | 5.746660461 | 5.193481506 | 5.777414895 |
| PIKFYVE | ENSG00000115020.16 | 4.674939703 | 5.216349246 | 5.240422593 |
| ACAP2 | ENSG00000114331.13 | 4.626604043 | 6.06170401 | 5.711052366 |
| SCNM1 | ENSG00000163156.11 | 6.648457192 | 5.964925957 | 4.761997735 |
| CDK13 | ENSG00000065883.14 | 5.407444122 | 5.287431995 | 5.393241113 |
| TRAK1 | ENSG00000182606.14 | 4.792901514 | 5.651385129 | 5.132636013 |
| COG4 | ENSG00000103051.18 | 5.482932192 | 5.36300729 | 5.345262929 |
| KCTD10 | ENSG00000110906.12 | 5.611121172 | 5.458417674 | 4.624408813 |
| ADPGK | ENSG00000159322.17 | 5.196730421 | 5.303264913 | 4.755274384 |
| ACOT9 | ENSG00000123130.16 | 5.69765036 | 4.673722091 | 4.991217559 |
| NEMF | ENSG00000165525.17 | 4.810416626 | 4.65168864 | 4.908113291 |
| ELP3 | ENSG00000134014.16 | 5.24400331 | 4.838748465 | 4.784694758 |
| CDC42SE1 | ENSG00000197622.12 | 6.346407481 | 6.373130463 | 5.101949005 |
| SNX12 | ENSG00000147164.11 | 5.40067234 | 5.630313728 | 5.894511105 |
| NFYA | ENSG00000001167.14 | 5.020256499 | 4.82533739 | 5.940915691 |
| RAB3GAP1 | ENSG00000115839.17 | 4.611866228 | 5.158475722 | 5.297910092 |
| PNISR | ENSG00000132424.14 | 5.896122933 | 4.694801422 | 5.256274948 |
| PPP1R37 | ENSG00000104866.10 | 4.681584921 | 5.236733685 | 6.807389717 |
| PDXK | ENSG00000160209.18 | 4.769978005 | 5.552137546 | 5.447201366 |
| ROCK2 | ENSG00000134318.13 | 6.017454164 | 5.005850744 | 4.614328892 |
| PMVK | ENSG00000163344.5 | 5.738268351 | 5.606538927 | 4.663299136 |
| CDK6 | ENSG00000105810.9 | 6.050447204 | 4.99053884 | 5.146891975 |
| SOX12 | ENSG00000177732.8 | 4.632320846 | 5.768303328 | 4.619748353 |
| NEK7 | ENSG00000151414.14 | 6.057943662 | 4.769118134 | 6.339022702 |
| NSFL1C | ENSG00000088833.17 | 5.872259399 | 6.067727287 | 4.698765989 |
| STK4 | ENSG00000101109.11 | 5.283302861 | 4.857422355 | 5.337989203 |
| BRCA1 | ENSG00000012048.20 | 5.323658224 | 4.829836526 | 4.694967461 |
| RNF13 | ENSG00000082996.19 | 4.633376421 | 5.398405393 | 5.63183159 |
| SSH2 | ENSG00000141298.17 | 5.190404249 | 5.891089441 | 5.511600223 |
| NOM1 | ENSG00000146909.7 | 5.083132482 | 5.221512495 | 4.658733144 |
| DTX3L | ENSG00000163840.9 | 4.975583981 | 4.582183159 | 5.564132544 |
| BPNT1 | ENSG00000162813.17 | 6.240411246 | 4.885784611 | 4.672369157 |
| ABHD14B | ENSG00000114779.19 | 6.251730072 | 4.861317921 | 4.908082981 |
| PANX1 | ENSG00000110218.8 | 4.616978749 | 4.759842808 | 5.299905139 |

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| SORT1 | ENSG00000134243.11 | 4.67323478 | 7.099104831 | 6.798785072 |
| VPS41 | ENSG00000006715.15 | 4.596340969 | 6.207713024 | 5.84176161 |
| ATF2 | ENSG00000115966.16 | 4.788120893 | 5.223934822 | 5.595820159 |
| CASC4 | ENSG00000166734.18 | 5.846235692 | 5.660360002 | 5.599531122 |
| C11orf98 | ENSG00000278615.4 | 6.86971924 | 4.86251913 | 5.926378482 |
| HMGN4 | ENSG00000182952.4 | 6.252715569 | 6.230497366 | 6.697088315 |
| SENP6 | ENSG00000112701.17 | 5.605917775 | 5.328841833 | 5.421299696 |
| HSPA1B | ENSG00000204388.6 | 4.575986227 | 5.258346723 | 5.217277218 |
| RRP1 | ENSG00000160214.12 | 4.802408231 | 5.326746619 | 5.051696109 |
| STRN3 | ENSG00000196792.11 | 4.858256724 | 4.63645004 | 5.156620503 |
| HMBS | ENSG00000256269.7 | 6.057936177 | 4.592469681 | 4.979118323 |
| LZIC | ENSG00000162441.11 | 5.40585477 | 4.941672538 | 5.049496825 |
| PPP1R2 | ENSG00000184203.7 | 4.573265235 | 5.411397761 | 5.508842154 |
| FLOT2 | ENSG00000132589.15 | 5.74942968 | 5.672493671 | 6.23960597 |
| TMEM43 | ENSG00000170876.7 | 6.483386898 | 6.567795098 | 4.622278162 |
| TMEM160 | ENSG00000130748.6 | 5.622051952 | 4.83874589 | 5.556895059 |
| ITFG1 | ENSG00000129636.12 | 5.49778835 | 4.659062915 | 5.608777376 |
| C19orf48 | ENSG00000167747.14 | 6.201693252 | 5.773099267 | 4.765809236 |
| ZNF217 | ENSG00000171940.13 | 6.061373503 | 4.621482711 | 5.144763508 |
| KIF1BP | ENSG00000198954.7 | 5.085312649 | 4.98417752 | 4.844866555 |
| ITGB3BP | ENSG00000142856.16 | 5.913635737 | 5.254036203 | 5.124367711 |
| QTRT1 | ENSG00000213339.8 | 5.636823686 | 5.122928862 | 4.869933459 |
| INPP5F | ENSG00000198825.12 | 8.16940085 | 5.146432353 | 7.101018445 |
| CDK10 | ENSG00000185324.21 | 5.66737254 | 4.999213283 | 5.216543809 |
| NAXD | ENSG00000213995.11 | 5.783317946 | 4.974735479 | 4.95834016 |
| IFT52 | ENSG00000101052.12 | 5.41227451 | 4.823466507 | 5.432268613 |
| GNB4 | ENSG00000114450.9 | 4.582143916 | 5.757871007 | 4.78472748 |
| RAB32 | ENSG00000118508.4 | 4.610910715 | 7.780624534 | 6.767838837 |
| DLAT | ENSG00000150768.15 | 5.4549096 | 4.718744477 | 5.361910191 |
| DGAT1 | ENSG00000185000.11 | 5.194060411 | 4.725889004 | 4.969390151 |
| BICD2 | ENSG00000185963.13 | 5.495624831 | 6.485045579 | 4.607686134 |
| HIRA | ENSG00000100084.14 | 5.153237432 | 4.805569833 | 5.035374206 |
| JARID2 | ENSG00000008083.13 | 4.832326177 | 5.022518218 | 5.458870492 |
| LRRC47 | ENSG00000130764.9 | 5.851640429 | 5.290911302 | 4.960323983 |
| ATF7 | ENSG00000170653.18 | 4.630164345 | 4.993690583 | 4.997529622 |
| BAG3 | ENSG00000151929.9 | 7.138733632 | 5.305016679 | 6.160172239 |
| KATNB1 | ENSG00000140854.12 | 5.88159389 | 4.585167985 | 4.913012358 |
| TBCD | ENSG00000141556.20 | 4.624978496 | 5.045801076 | 5.679541307 |
| EXOC1 | ENSG00000090989.17 | 5.166273156 | 4.655607576 | 4.61754793 |
| ACAD9 | ENSG00000177646.18 | 5.284100644 | 5.506837095 | 4.577548584 |
| ECI1 | ENSG00000167969.12 | 5.153373584 | 4.800450921 | 5.713963896 |
| RPAP3 | ENSG00000005175.9 | 5.893929575 | 4.645450022 | 4.704660381 |
| CDC5L | ENSG00000096401.7 | 5.086916724 | 4.725618549 | 5.19677227 |
| HMGN3 | ENSG00000118418.14 | 6.16697104 | 5.923376375 | 4.61353956 |
| PRPSAP1 | ENSG00000161542.16 | 4.855099006 | 4.923011325 | 6.531479013 |
| PDRG1 | ENSG00000088356.5 | 4.670661266 | 4.622737094 | 5.205308911 |

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| TSFM | ENSG00000123297.17 | 5.562474263 | 5.028286978 | 7.033577791 |
| BAIAP2 | ENSG00000175866.15 | 4.870561672 | 5.092307202 | 5.943107649 |
| CUX1 | ENSG00000257923.9 | 4.840075886 | 5.620558593 | 5.454713777 |
| ZFAND1 | ENSG00000104231.10 | 5.331071341 | 5.254170827 | 5.55490748 |
| LEO1 | ENSG00000166477.12 | 6.252965648 | 5.67722424 | 4.593403567 |
| POLR1E | ENSG00000137054.15 | 6.17109979 | 4.840400308 | 4.879816204 |
| MAP3K3 | ENSG00000198909.7 | 4.707177142 | 4.651669955 | 4.821722461 |
| ZDHC8 | ENSG00000099904.15 | 4.920899315 | 6.129299992 | 4.649063836 |
| FLYWCH2 | ENSG00000162076.12 | 5.334959125 | 5.014268164 | 5.07982579 |
| ZFYVE16 | ENSG00000039319.16 | 4.772677977 | 7.235187355 | 6.410655426 |
| ATRN | ENSG00000088812.17 | 5.840588562 | 6.159020154 | 4.620298373 |
| KAT2B | ENSG00000114166.7 | 5.288818558 | 4.853495741 | 5.506102525 |
| PHKG2 | ENSG00000156873.15 | 4.973259526 | 5.066637057 | 4.593872184 |
| CHCHD10 | ENSG00000250479.8 | 4.784973 | 7.765814602 | 8.014740714 |
| SELENOF | ENSG00000183291.15 | 6.107273633 | 6.184666208 | 6.529952018 |
| LUC7L | ENSG00000007392.16 | 5.387419432 | 4.775587161 | 4.79325237 |
| SH3BP1 | ENSG00000100092.20 | 4.565745584 | 5.334700834 | 5.641153191 |
| INO80E | ENSG00000169592.14 | 5.844129608 | 5.013510459 | 4.920792125 |
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| FBRS | ENSG00000156860.15 | 5.728029492 | 5.017200433 | 5.728413655 |
| ANXA11 | ENSG00000122359.17 | 7.333576444 | 6.438989288 | 6.983670354 |
| VRK2 | ENSG00000028116.16 | 4.863403864 | 5.065705404 | 5.25473415 |
| C18orf8 | ENSG00000141452.9 | 4.918542044 | 5.562507722 | 5.088092416 |
| PQLC2 | ENSG00000040487.12 | 4.870239398 | 4.936365216 | 4.956478188 |
| LIMA1 | ENSG00000050405.13 | 6.494768661 | 5.656006262 | 4.868436949 |
| SRSF4 | ENSG00000116350.16 | 5.537830857 | 5.108344559 | 5.241968203 |
| NKTR | ENSG00000114857.17 | 4.981428522 | 5.052285026 | 4.742382751 |
| CHTF8 | ENSG00000168802.12 | 5.749170314 | 5.270678649 | 4.676653031 |
| MARF1 | ENSG00000166783.21 | 5.812343799 | 4.759451801 | 6.315146778 |
| AREL1 | ENSG00000119682.16 | 5.154672808 | 4.720090498 | 4.627650048 |
| KLHL7 | ENSG00000122550.17 | 5.121377199 | 5.445643993 | 5.590845541 |
| THYN1 | ENSG00000151500.14 | 6.192207887 | 5.036042302 | 5.063956514 |
| COPS7B | ENSG00000144524.17 | 4.573120746 | 5.581061222 | 4.989401756 |
| KLHDC10 | ENSG00000128607.13 | 4.574189061 | 5.585652642 | 5.730337745 |
| NBPF15 | ENSG00000266338.6 | 5.340227306 | 5.637576596 | 4.855891681 |
| ECHDC1 | ENSG00000093144.18 | 5.31527976 | 5.117430471 | 5.321398334 |
| PTGES2 | ENSG00000148334.14 | 5.29265359 | 5.822652058 | 4.786056977 |
| RAB3GAP2 | ENSG00000118873.15 | 5.469488286 | 4.535948895 | 4.671854042 |
| ZNF639 | ENSG00000121864.9 | 4.900053838 | 4.920149553 | 4.765897505 |
| NDFIP2 | ENSG00000102471.13 | 5.944420555 | 4.890932987 | 5.064362511 |
| ADAM17 | ENSG00000151694.12 | 5.372857746 | 5.409481078 | 4.533499135 |
| IRF2BPL | ENSG00000119669.4 | 6.324238703 | 5.225068309 | 5.568004601 |
| ACOT8 | ENSG00000101473.16 | 5.366942252 | 5.060461651 | 4.569218911 |
| OSGIN2 | ENSG00000164823.9 | 4.548373106 | 5.128620218 | 5.291769291 |
| CBX5 | ENSG00000094916.15 | 6.096925121 | 4.727627103 | 5.32691339 |
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| ASAP2 | ENSG00000151693.10 | 5.054468954 | 5.171294861 | 4.529968573 |
| RAVER1 | ENSG00000161847.13 | 6.223129191 | 5.137548569 | 5.310108161 |
| IPO9 | ENSG00000198700.9 | 6.08574358 | 5.036323856 | 4.569584139 |
| SBF1 | ENSG00000100241.20 | 5.234242035 | 5.80404332 | 6.555056042 |
| RAB8A | ENSG00000167461.11 | 6.187615397 | 5.578912514 | 4.815621161 |
| MDC1 | ENSG00000137337.14 | 5.13948879 | 5.151058961 | 5.685735151 |
| DGCR6L | ENSG00000128185.9 | 4.739516589 | 5.154143317 | 5.360337044 |
| AMPD2 | ENSG00000116337.15 | 5.739984409 | 6.174518564 | 4.629944993 |
| FAH | ENSG00000103876.11 | 4.713887424 | 5.670386641 | 6.782256431 |
| DEAF1 | ENSG00000177030.16 | 4.598595874 | 5.130006905 | 4.58207764 |
| ALG2 | ENSG00000119523.9 | 4.895992209 | 6.091247782 | 4.65724226 |
| CRYZ | ENSG00000116791.13 | 5.471884095 | 6.073203531 | 4.646876268 |
| MEF2D | ENSG00000116604.17 | 5.067688239 | 6.351841665 | 5.338160755 |
| SMARCAD1 | ENSG00000163104.17 | 5.34697453 | 4.616515104 | 4.80239547 |
| OXR1 | ENSG00000164830.18 | 5.107359276 | 4.673981604 | 5.806722419 |
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| PCED1A | ENSG00000132635.16 | 5.756851006 | 5.562163707 | 4.642387862 |
| SUGP1 | ENSG00000105705.15 | 5.697892931 | 5.450038748 | 4.578707642 |
| CA5BP1 | ENSG00000186312.10 | 5.112142206 | 4.527002096 | 5.158609223 |
| AMD1 | ENSG00000123505.15 | 6.175636105 | 5.748081148 | 5.00981156 |
| MOV10 | ENSG00000155363.18 | 5.246759263 | 5.14724961 | 4.617972612 |
| PNPLA6 | ENSG00000032444.15 | 6.446133403 | 5.740674079 | 5.983709303 |
| SEN2 | ENSG00000163904.12 | 4.6947995 | 5.777179414 | 5.041950982 |
| RXRB | ENSG00000204231.10 | 5.291562549 | 4.916685961 | 5.988224135 |
| TNS3 | ENSG00000136205.16 | 5.967666881 | 6.03259386 | 4.745261797 |
| NCK2 | ENSG00000071051.13 | 4.57212916 | 6.843005347 | 6.742014567 |
| SH3GLB1 | ENSG00000097033.14 | 4.55429978 | 4.983391689 | 5.567048569 |
| IRF3 | ENSG00000126456.15 | 5.503472845 | 5.756495559 | 5.032206563 |
| MYBBP1A | ENSG00000132382.14 | 6.822782424 | 5.286050723 | 4.740468217 |
| ST3GAL5 | ENSG00000115525.17 | 4.843632473 | 5.488416504 | 5.641556953 |
| TP53BP1 | ENSG00000067369.13 | 5.288030937 | 5.615078404 | 5.267949416 |
| CRIP1 | ENSG00000119878.5 | 5.722998206 | 5.329960593 | 4.569324499 |
| ABHD10 | ENSG00000144827.8 | 5.482302602 | 5.810235772 | 4.918636007 |
| HS2ST1 | ENSG00000153936.16 | 4.580057646 | 5.125898633 | 5.865169681 |
| SFT2D2 | ENSG00000213064.9 | 6.081714151 | 7.278410206 | 4.581064037 |
| IBTK | ENSG00000005700.14 | 5.931910755 | 5.185307877 | 4.567906485 |
| CKAP4 | ENSG00000136026.13 | 6.918670683 | 6.573859891 | 4.535951153 |
| MAP3K13 | ENSG00000073803.13 | 4.531028443 | 5.918513176 | 5.865628647 |
| ZWINT | ENSG00000122952.16 | 6.084479234 | 4.643642622 | 4.995963732 |
| MRPL55 | ENSG00000162910.18 | 5.409748277 | 4.631301338 | 4.766172768 |
| PFDN1 | ENSG00000113068.9 | 5.608379808 | 4.715692215 | 6.406642307 |
| CDK5RAP2 | ENSG00000136861.17 | 5.495486048 | 6.499509159 | 4.580545383 |
| NCAPG | ENSG00000109805.9 | 6.61815438 | 4.58126323 | 5.326094968 |
| CC2D1B | ENSG00000154222.14 | 5.502692342 | 5.344839914 | 4.949106013 |
| HEBP1 | ENSG00000013583.8 | 4.594064626 | 5.721668731 | 5.943015593 |
| MLLT6 | ENSG00000275023.4 | 5.828016458 | 5.519827326 | 6.672976088 |

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| CAMLG | ENSG00000164615.4 | 5.766015053 | 4.545744446 | 5.499242831 |
| WRAP73 | ENSG00000116213.15 | 6.363053887 | 5.525752173 | 5.197551021 |
| TTC9C | ENSG00000162222.13 | 5.218554222 | 5.316260525 | 5.19424925 |
| ABCC5 | ENSG00000114770.16 | 4.550301232 | 5.666711296 | 6.091394721 |
| CCDC59 | ENSG00000133773.11 | 6.15720812 | 5.162806914 | 5.409238845 |
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| LRR42 | ENSG00000116212.14 | 5.045622853 | 5.619520934 | 4.62516381 |
| ST5 | ENSG00000166444.18 | 4.679914774 | 5.772667061 | 5.917758449 |
| VASP | ENSG00000125753.13 | 5.942968638 | 4.992371859 | 4.733722437 |
| PCID2 | ENSG00000126226.21 | 6.381355168 | 4.969816155 | 4.602036591 |
| KLC2 | ENSG00000174996.11 | 5.879479797 | 5.304573475 | 6.439541983 |
| TOMM5 | ENSG00000175768.12 | 7.319687497 | 6.223741462 | 4.622984566 |
| DPY19L4 | ENSG00000156162.16 | 4.725890396 | 4.704858193 | 4.551075605 |
| SSR1 | ENSG00000124783.12 | 5.692785808 | 5.694949588 | 6.121786464 |
| SP3 | ENSG00000172845.14 | 5.093550507 | 5.178966632 | 5.267725188 |
| GNPNAT1 | ENSG00000100522.8 | 5.581895758 | 4.578728899 | 4.926576196 |
| TOM1L1 | ENSG00000141198.15 | 4.835412887 | 5.680574913 | 6.295515041 |
| TBC1D17 | ENSG00000104946.12 | 5.365286693 | 5.559856835 | 5.831828651 |
| COL6A2 | ENSG00000142173.14 | 6.225240589 | 4.716735546 | 6.745928616 |
| PREP | ENSG00000085377.13 | 6.300203487 | 5.785615384 | 4.546232546 |
| SIKE1 | ENSG00000052723.11 | 5.049075551 | 4.674466275 | 4.592622389 |
| STX5 | ENSG00000162236.11 | 5.696947606 | 5.108409618 | 4.994270738 |
| SLC20A2 | ENSG00000168575.9 | 5.025932767 | 5.173913993 | 5.593165332 |
| AC115223.1 | ENSG00000243199.1 | 6.584528233 | 5.421828921 | 4.598499192 |
| NPRL3 | ENSG00000103148.15 | 5.842468079 | 4.587420789 | 5.259652775 |
| TMEM69 | ENSG00000159596.6 | 5.712679005 | 5.523188778 | 4.966577003 |
| KDELR3 | ENSG00000100196.10 | 4.884636703 | 7.38333096 | 4.607682452 |
| NFX1 | ENSG00000086102.18 | 5.888673126 | 4.731816153 | 4.498644248 |
| TIMM8B | ENSG00000150779.11 | 5.663677098 | 5.129648842 | 5.208490319 |
| CLPX | ENSG00000166855.9 | 5.796350651 | 5.578032603 | 4.968014978 |
| PRMT3 | ENSG00000185238.12 | 5.431107069 | 5.135167998 | 4.744732053 |
| WDR83OS | ENSG00000105583.9 | 7.257604421 | 5.202322428 | 4.878138245 |
| NCLN | ENSG00000125912.10 | 5.565247359 | 5.965818391 | 4.737714597 |
| GJC1 | ENSG00000182963.9 | 5.042443885 | 4.80747257 | 4.856725501 |
| MYCBP2 | ENSG00000005810.17 | 5.036248403 | 4.782465811 | 4.907557998 |
| CNOT10 | ENSG00000182973.18 | 5.796777994 | 5.149724756 | 5.19144037 |
| ANXA4 | ENSG00000196975.15 | 5.413775638 | 5.842117466 | 5.576468041 |
| FAM192A | ENSG00000172775.16 | 6.346395388 | 5.42511904 | 6.179371921 |
| MTHFS | ENSG00000136371.10 | 5.44850307 | 5.58118954 | 5.649658245 |
| THAP9-AS1 | ENSG00000251022.6 | 4.787310441 | 5.214161412 | 5.093279004 |
| NECAP2 | ENSG00000157191.19 | 5.208892224 | 4.92615107 | 5.157005836 |
| GRK2 | ENSG00000173020.10 | 5.597205661 | 5.372482757 | 5.442985083 |
| ALDH18A1 | ENSG00000059573.8 | 7.074554115 | 6.23404868 | 4.53533689 |
| BCAP29 | ENSG00000075790.10 | 4.608291682 | 5.673258108 | 5.32654291 |
| LEMD2 | ENSG00000161904.11 | 4.722111782 | 5.107327262 | 5.288959579 |
| NAV1 | ENSG00000134369.15 | 4.808947626 | 5.326316462 | 4.581427958 |

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| NELFB | ENSG00000188986.6 | 6.034527955 | 6.059788977 | 4.62069744 |
| COMT | ENSG00000093010.13 | 5.74288159 | 6.15175718 | 6.410340245 |
| MPHOSPH10 | ENSG00000124383.8 | 6.111373024 | 5.825345304 | 4.577066163 |
| LSS | ENSG00000160285.14 | 4.624396184 | 5.6691226 | 5.789118302 |
| MRPL57 | ENSG00000173141.4 | 5.41805488 | 4.786598873 | 4.481069681 |
| AC021078.1 | ENSG00000230551.4 | 4.696722686 | 4.560846778 | 4.977932303 |
| INTS9 | ENSG00000104299.14 | 4.699060761 | 4.853009299 | 5.125424842 |
| SHCBP1 | ENSG00000171241.8 | 6.095599386 | 4.954861055 | 4.503984351 |
| SRPRB | ENSG00000144867.11 | 5.8996146 | 5.832353509 | 4.547878287 |
| ING5 | ENSG00000168395.15 | 4.564335846 | 4.766077686 | 5.055410774 |
| DNAJB2 | ENSG00000135924.15 | 4.622014447 | 5.528456888 | 5.551052908 |
| WDR33 | ENSG00000136709.11 | 4.782737026 | 4.804654013 | 4.547378983 |
| TMF1 | ENSG00000144747.15 | 5.032104286 | 5.085490427 | 4.669050673 |
| GTSE1 | ENSG00000075218.18 | 5.518969873 | 4.726175117 | 4.506304568 |
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| HTRA2 | ENSG00000115317.11 | 5.670826736 | 6.172719289 | 4.677131882 |
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| CCDC167 | ENSG00000198937.8 | 4.713455622 | 5.299914656 | 5.361801243 |
| RAPGEF1 | ENSG00000107263.18 | 4.855635892 | 6.714361835 | 4.877347694 |
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| IRF2 | ENSG00000168310.10 | 4.963885189 | 4.54897175 | 4.957865545 |
| KMT2D | ENSG00000167548.14 | 5.36334158 | 5.356486177 | 4.918663949 |
| YEATS2 | ENSG00000163872.15 | 4.519925555 | 5.065057862 | 4.691966923 |
| KDSR | ENSG00000119537.15 | 5.42763791 | 5.516387058 | 4.774792067 |
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| C4orf3 | ENSG00000164096.12 | 4.650192061 | 5.250309484 | 5.610688052 |
| RTKN | ENSG00000114993.16 | 5.829528674 | 6.392762288 | 4.952642184 |
| PPP1R8 | ENSG00000117751.17 | 5.550897232 | 4.899675987 | 4.807078444 |
| UBE2O | ENSG00000175931.12 | 5.521325886 | 5.594937904 | 5.725375254 |
| CIT | ENSG00000122966.15 | 5.303480257 | 4.559519576 | 6.093102225 |
| TOX4 | ENSG00000092203.13 | 4.994754483 | 4.833856831 | 5.486772967 |
| UACA | ENSG00000137831.14 | 5.27801148 | 5.319818058 | 4.631117622 |
| DLEU1_2 | ENSG00000273541.1 | 5.580890383 | 4.670881272 | 5.890981148 |
| TGFBR2 | ENSG00000163513.17 | 4.86808449 | 5.313911412 | 4.683858641 |
| FAM103A1 | ENSG00000169612.3 | 5.299564183 | 4.881870984 | 5.216719875 |
| VPS26B | ENSG00000151502.10 | 5.975663374 | 4.597938138 | 5.886619863 |
| HIKESHI | ENSG00000149196.15 | 5.300199785 | 5.229318493 | 5.009733789 |
| MBD1 | ENSG00000141644.17 | 5.081324958 | 5.413677971 | 4.890522816 |
| HK2 | ENSG00000159399.9 | 6.06305132 | 7.261608427 | 4.610105155 |
| ZC3H18 | ENSG00000158545.15 | 6.419795927 | 5.565978688 | 5.7931236 |
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| B4GALT2 | ENSG00000117411.16 | 6.017194857 | 5.847321358 | 4.751615142 |
| RMND5A | ENSG00000153561.12 | 5.447218075 | 5.030049591 | 4.874504504 |
| ABCB6 | ENSG00000115657.12 | 5.08448785 | 5.367430695 | 4.546988731 |
| NECTIN2 | ENSG00000130202.9 | 4.552459258 | 5.293869801 | 5.076317113 |
| TLL4 | ENSG00000135912.10 | 4.666537237 | 4.789257983 | 5.198444004 |

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| CLK2 | ENSG00000176444.18 | 5.907888276 | 5.425985822 | 4.500483684 |
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| PHTF2 | ENSG00000006576.16 | 4.627137119 | 5.044288897 | 5.221606007 |
| B3GNT2 | ENSG00000170340.10 | 4.505421255 | 6.363453764 | 6.565825301 |
| MVB12A | ENSG00000141971.12 | 6.648088835 | 6.415973126 | 5.675105206 |
| EXOSC9 | ENSG00000123737.12 | 5.915161042 | 4.502587525 | 4.948572568 |
| SEH1L | ENSG00000085415.15 | 5.739528935 | 5.360705164 | 4.857771838 |
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| FAAP100 | ENSG00000185504.16 | 4.608761996 | 4.697260822 | 4.70356928 |
| SLAIN2 | ENSG00000109171.14 | 5.565355102 | 5.334794729 | 6.977978127 |
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| UBTD2 | ENSG00000168246.5 | 5.139444932 | 4.460350087 | 4.514815927 |
| POGK | ENSG00000143157.11 | 5.752065168 | 5.69358597 | 4.512772323 |
| SRSF8 | ENSG00000263465.4 | 5.453100273 | 4.854808925 | 6.028626811 |
| FNTA | ENSG00000168522.12 | 4.581363879 | 5.214226749 | 4.857657683 |
| TCEAL3 | ENSG00000196507.10 | 4.489857412 | 5.300761838 | 5.143374101 |
| AKR1A1 | ENSG00000117448.13 | 5.784477925 | 6.417519924 | 6.430713543 |
| RRM2B | ENSG00000048392.11 | 4.859980923 | 4.946867736 | 6.629862225 |
| METRNL | ENSG00000176845.12 | 4.494594175 | 5.595939883 | 5.705338072 |
| ATP2B1 | ENSG00000070961.15 | 6.04299596 | 4.799541446 | 4.836428783 |
| PIK3C2A | ENSG00000011405.13 | 4.523946463 | 5.711067084 | 5.137745852 |
| MRS2 | ENSG00000124532.14 | 4.621804956 | 5.362907093 | 5.218006368 |
| CKAP2 | ENSG00000136108.14 | 6.220074708 | 4.596997971 | 4.803513021 |
| PUM3 | ENSG00000080608.9 | 7.485953367 | 5.957640366 | 4.562306312 |
| TCEA2 | ENSG00000171703.16 | 5.485480163 | 5.394220229 | 4.924963021 |
| CHD6 | ENSG00000124177.14 | 4.639587792 | 4.949306316 | 4.829603683 |
| ANLN | ENSG00000011426.10 | 7.103518166 | 6.188292152 | 4.835927234 |
| SPATA20 | ENSG00000006282.20 | 5.082125314 | 6.274827324 | 6.611204728 |
| MRPL30 | ENSG00000185414.19 | 5.055654551 | 5.381844511 | 4.699320922 |
| TCF3 | ENSG00000071564.14 | 5.217140967 | 5.468879119 | 5.0027002 |
| CREBBP | ENSG00000005339.14 | 5.285366186 | 4.785721445 | 4.936538094 |
| NMRAL1 | ENSG00000153406.13 | 5.681312326 | 5.228312701 | 5.293878884 |
| POLR3K | ENSG00000161980.5 | 6.183514338 | 5.088061405 | 5.061162612 |
| PACSIN3 | ENSG00000165912.15 | 6.816887677 | 5.632007246 | 5.845070577 |
| N4BP2L2 | ENSG00000244754.8 | 4.950189362 | 5.303218231 | 5.411573774 |
| MTA1 | ENSG00000182979.17 | 6.81826032 | 6.899614785 | 4.478186961 |
| HIBCH | ENSG00000198130.15 | 4.713437114 | 5.078322573 | 5.887762343 |
| MRPL49 | ENSG00000149792.8 | 5.399769184 | 4.672563625 | 4.783616194 |
| TMEM128 | ENSG00000132406.11 | 5.124567279 | 4.600611447 | 6.600619915 |
| PAK4 | ENSG00000130669.17 | 6.143328597 | 4.895064706 | 5.096644109 |
| PHTF1 | ENSG00000116793.15 | 5.536290291 | 4.585957537 | 5.49457295 |
| PSMA3-AS1 | ENSG00000257621.7 | 4.782463774 | 4.513352216 | 5.810142427 |
| BYSL | ENSG00000112578.9 | 5.488952909 | 5.464053009 | 4.861441043 |
| GUF1 | ENSG00000151806.13 | 5.715486533 | 5.054210763 | 6.306323784 |
| DHX32 | ENSG00000089876.11 | 5.925447186 | 5.210554383 | 5.755208563 |
| GOSR1 | ENSG00000108587.15 | 5.604167771 | 5.148884456 | 5.339860767 |

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| GRAMD1A | ENSG00000089351.14 | 5.870358546 | 6.202915135 | 5.897933435 |
| CAVIN3 | ENSG00000170955.9 | 6.510092971 | 6.205590105 | 5.067172659 |
| IPO13 | ENSG00000117408.10 | 5.560338198 | 5.977555339 | 4.860449975 |
| FUCA1 | ENSG00000179163.11 | 4.452165444 | 6.036340668 | 6.072163649 |
| HUS1 | ENSG00000136273.11 | 4.637668369 | 5.179810634 | 4.522647625 |
| WDR41 | ENSG00000164253.13 | 5.034317015 | 4.905486681 | 4.827157226 |
| C14orf119 | ENSG00000179933.5 | 4.635124326 | 4.92711168 | 4.697255823 |
| VPS54 | ENSG00000143952.19 | 4.499268573 | 4.642196875 | 4.998177987 |
| GBE1 | ENSG00000114480.12 | 5.557921607 | 4.511994326 | 6.327749635 |
| SRGAP2 | ENSG00000266028.7 | 6.412784933 | 5.202810754 | 4.608734445 |
| BLZF1 | ENSG00000117475.13 | 5.545299297 | 5.327195075 | 4.494679098 |
| IFT172 | ENSG00000138002.14 | 4.575030759 | 4.718345709 | 4.483837265 |
| SMURF1 | ENSG00000198742.9 | 4.625226198 | 6.031271235 | 4.497749115 |
| GNPTG | ENSG00000090581.9 | 4.668505556 | 5.649921025 | 6.144929786 |
| PKD2 | ENSG00000118762.7 | 4.535258384 | 4.467940206 | 5.043041912 |
| RARG | ENSG00000172819.16 | 5.941137627 | 4.872613713 | 4.496618861 |
| DAPK3 | ENSG00000167657.13 | 5.566221437 | 6.10540058 | 5.411215994 |
| MOB1B | ENSG00000173542.8 | 4.782226677 | 5.403262105 | 5.36347576 |
| PEX5 | ENSG00000139197.10 | 5.267663731 | 4.715733648 | 5.247083165 |
| ZNF410 | ENSG00000119725.18 | 5.209593582 | 4.538677789 | 5.073321712 |
| STK36 | ENSG00000163482.11 | 4.574431152 | 4.727758271 | 5.443331025 |
| FANCA | ENSG00000187741.14 | 5.410832246 | 4.717697386 | 4.909273441 |
| TNFRSF12A | ENSG00000006327.13 | 6.783882221 | 6.490308569 | 5.330110969 |
| FRYL | ENSG00000075539.14 | 5.043265847 | 5.084941726 | 5.281544758 |
| FAM177A1 | ENSG00000151327.12 | 4.609308682 | 5.054062381 | 5.310447447 |
| AHR | ENSG00000106546.12 | 6.341614754 | 4.731704358 | 4.564937835 |
| FLAD1 | ENSG00000160688.18 | 5.761533359 | 5.793113273 | 4.78932083 |
| NSD2 | ENSG00000109685.17 | 6.362191828 | 4.517458874 | 6.159137735 |
| SOGA1 | ENSG00000149639.14 | 5.428690685 | 4.475037941 | 4.612827539 |
| TWSG1 | ENSG00000128791.11 | 4.516723094 | 5.244307302 | 4.630088939 |
| IFNAR1 | ENSG00000142166.12 | 5.002638148 | 4.825778567 | 4.474971564 |
| RAP1GDS1 | ENSG00000138698.14 | 6.139953028 | 4.696184263 | 5.315134205 |
| SS18L2 | ENSG00000008324.11 | 6.013730529 | 5.738575826 | 4.528547147 |
| DUSP23 | ENSG00000158716.8 | 5.637073927 | 6.348408908 | 4.49077425 |
| SMN1 | ENSG00000172062.16 | 5.516260191 | 4.463447072 | 4.795544064 |
| DHX37 | ENSG00000150990.7 | 5.492945764 | 5.042503286 | 5.528643696 |
| LYRM2 | ENSG00000083099.10 | 5.16115407 | 5.018328626 | 5.323576375 |
| PHF13 | ENSG00000116273.5 | 4.916522125 | 4.783192476 | 4.940796108 |
| ZNF282 | ENSG00000170265.11 | 5.525155043 | 4.787714207 | 4.542259615 |
| DNAJB14 | ENSG00000164031.16 | 4.472643147 | 5.425671394 | 4.969322606 |
| STRADA | ENSG00000266173.6 | 4.695223614 | 5.084029555 | 5.27713612 |
| ITGA6 | ENSG00000091409.14 | 7.419802277 | 6.276158739 | 6.069971999 |
| MECP2 | ENSG00000169057.21 | 5.485597111 | 5.860897753 | 6.1284401 |
| PHF1 | ENSG00000112511.17 | 4.553807017 | 5.221612936 | 6.353557296 |
| ARFGEF1 | ENSG00000066777.8 | 5.151690101 | 5.045915727 | 5.389036013 |
| P3H1 | ENSG00000117385.15 | 6.056056733 | 6.170054844 | 4.623975924 |

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| SHMT1 | ENSG00000176974.19 | 7.101064471 | 4.851349147 | 4.508954131 |
| TMEM222 | ENSG00000186501.14 | 5.248537296 | 4.91770901 | 4.435058784 |
| GNB5 | ENSG00000069966.18 | 4.582325271 | 5.022507924 | 5.031396301 |
| ME2 | ENSG00000082212.12 | 5.270969233 | 6.106998333 | 5.818695115 |
| TRMT1 | ENSG00000104907.12 | 5.967680239 | 5.24371056 | 4.706744569 |
| NAB2 | ENSG00000166886.12 | 5.858860806 | 6.155842233 | 5.140672218 |
| MPHOSPH6 | ENSG00000135698.9 | 5.434253142 | 4.836892187 | 4.880755172 |
| RAB11FIP3 | ENSG00000090565.15 | 4.832565171 | 4.667061639 | 5.099026277 |
| TIPARP | ENSG00000163659.12 | 5.454184652 | 4.795091423 | 4.616117372 |
| MAN2A1 | ENSG00000112893.9 | 4.760731819 | 4.465045468 | 4.894462598 |
| CWC27 | ENSG00000153015.15 | 5.298413406 | 4.812614634 | 5.614709208 |
| CAB39 | ENSG00000135932.10 | 5.116867442 | 5.437214863 | 5.801290355 |
| ARMC8 | ENSG00000114098.17 | 4.978953264 | 4.727943591 | 4.628837758 |
| APBB1 | ENSG00000166313.18 | 4.786579079 | 6.579113992 | 6.366234607 |
| ATP8B2 | ENSG00000143515.16 | 6.490552974 | 7.010668744 | 4.472826482 |
| PCM1 | ENSG00000078674.17 | 5.976360881 | 4.589454567 | 6.967975501 |
| ANAPC13 | ENSG00000129055.12 | 5.495171179 | 5.372381408 | 5.104700698 |
| ANO10 | ENSG00000160746.12 | 4.818222407 | 5.114156191 | 4.727523264 |
| YIPF1 | ENSG00000058799.14 | 5.04450032 | 5.228297529 | 5.186444286 |
| RBM23 | ENSG00000100461.17 | 5.739959607 | 4.899927751 | 4.974002684 |
| DNAJC19 | ENSG00000205981.6 | 4.630036881 | 5.335374581 | 5.178159762 |
| ATF7IP | ENSG00000171681.12 | 5.295418877 | 4.996036008 | 5.126396483 |
| DCXR | ENSG00000169738.7 | 5.086952466 | 4.708672232 | 6.169231315 |
| EXOSC8 | ENSG00000120699.12 | 6.167022912 | 4.996961592 | 4.488142672 |
| APPL1 | ENSG00000157500.10 | 5.586697529 | 4.941169124 | 5.387213322 |
| ACAA2 | ENSG00000167315.17 | 5.021177179 | 5.50831579 | 5.803767777 |
| PANK2 | ENSG00000125779.21 | 6.59249667 | 6.77071322 | 4.569349548 |
| MOGS | ENSG00000115275.11 | 6.091134618 | 6.662148155 | 4.768102127 |
| LMF2 | ENSG00000100258.17 | 4.771692908 | 6.419109993 | 5.576267851 |
| KCTD17 | ENSG00000100379.17 | 4.576411375 | 4.842687479 | 4.830669416 |
| ATXN2 | ENSG00000204842.14 | 5.814367301 | 5.269218155 | 4.570970186 |
| PIK3R2 | ENSG00000105647.16 | 5.839604237 | 6.291283649 | 5.716063155 |
| CHMP1A | ENSG00000131165.14 | 6.386838287 | 5.801439519 | 6.473783698 |
| TRIM65 | ENSG00000141569.10 | 5.497741581 | 5.160197943 | 4.574311624 |
| ABCD4 | ENSG00000119688.20 | 4.874483274 | 4.498363811 | 4.546764155 |
| TBC1D1 | ENSG00000065882.15 | 5.956603027 | 4.553228547 | 7.2846496 |
| TMEM9B | ENSG00000175348.10 | 4.78750542 | 5.153585767 | 5.491760465 |
| RTL8A | ENSG00000203950.6 | 6.13639125 | 5.526553726 | 6.5189411 |
| FRG1CP | ENSG00000282826.1 | 5.224439072 | 4.546563039 | 5.433794994 |
| NFU1 | ENSG00000169599.12 | 4.455450592 | 5.347355887 | 4.780974271 |
| MED14 | ENSG00000180182.10 | 5.508720766 | 4.651343458 | 5.085421528 |
| CDC25B | ENSG00000101224.17 | 7.671328842 | 6.593032015 | 4.534817244 |
| YIPF2 | ENSG00000130733.10 | 6.122494067 | 5.679814265 | 4.805327389 |
| PGAM5 | ENSG00000247077.6 | 6.895896221 | 5.416250477 | 4.564268791 |
| YY1 | ENSG00000100811.12 | 5.789847482 | 5.408959756 | 4.443963485 |
| CDKN3 | ENSG00000100526.19 | 5.077313549 | 4.525237571 | 5.167646502 |

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| AP2A2 | ENSG00000183020.13 | 4.985552292 | 4.971412448 | 4.918890752 |
| TGIF1 | ENSG00000177426.20 | 5.667408316 | 7.3111512 | 5.744548463 |
| SETD2 | ENSG00000181555.20 | 5.102347194 | 5.115541686 | 4.471642966 |
| RBBP5 | ENSG00000117222.13 | 5.547553857 | 4.642737382 | 4.420321142 |
| MRPL22 | ENSG00000082515.17 | 5.119080129 | 4.466603506 | 4.531859529 |
| RPAIN | ENSG00000129197.14 | 5.861303541 | 4.428852713 | 4.642272393 |
| MRPS11 | ENSG00000181991.15 | 5.380721496 | 5.286131706 | 4.642058057 |
| B4GALT3 | ENSG00000158850.14 | 6.245960826 | 6.262634451 | 5.51328555 |
| TJP1 | ENSG00000104067.16 | 5.244542946 | 5.040157574 | 5.694389257 |
| IRGQ | ENSG00000167378.8 | 5.043643547 | 4.414218642 | 5.164687467 |
| LMBR1 | ENSG00000105983.20 | 4.67864515 | 6.225516316 | 6.457530405 |
| CNOT4 | ENSG00000080802.18 | 4.475278396 | 4.839993063 | 5.033535949 |
| KIDINS220 | ENSG00000134313.15 | 5.03384 | 5.524495263 | 5.358983668 |
| EXOSC7 | ENSG00000075914.12 | 5.64083629 | 5.597477207 | 4.415951418 |
| NDUFA9 | ENSG00000139180.10 | 4.644398803 | 4.493680841 | 6.644971919 |
| DIP2A | ENSG00000160305.17 | 4.449180958 | 4.728795552 | 5.079916597 |
| LIG1 | ENSG00000105486.13 | 5.201066237 | 4.661980984 | 5.436674521 |
| EMC8 | ENSG00000131148.8 | 5.77534729 | 5.087901683 | 4.944499654 |
| MIPEP | ENSG00000027001.9 | 5.177888112 | 4.567475157 | 4.754921388 |
| RBM25 | ENSG00000119707.13 | 5.916769342 | 5.182372557 | 4.652991265 |
| UBAP2 | ENSG00000137073.21 | 5.128871109 | 4.591624115 | 4.659937368 |
| ANKRD13D | ENSG00000172932.14 | 4.83312698 | 5.381692941 | 4.862159797 |
| LRRC41 | ENSG00000132128.16 | 5.625481231 | 5.111155899 | 4.639140298 |
| MED21 | ENSG00000152944.8 | 5.06186621 | 5.331053748 | 5.904183852 |
| OGFOD3 | ENSG00000181396.12 | 4.504219799 | 4.501445429 | 5.535586949 |
| SLC35F2 | ENSG00000110660.14 | 5.392769146 | 4.682444351 | 5.837604836 |
| CTDSP1 | ENSG00000144579.7 | 5.441903006 | 6.324381229 | 5.772381457 |
| SRA1 | ENSG00000213523.10 | 5.991689598 | 4.521272269 | 5.390689949 |
| ELOA | ENSG00000011007.12 | 6.280534895 | 5.462216316 | 4.405877596 |
| ETV3 | ENSG00000117036.11 | 5.50848359 | 6.516404389 | 4.425527284 |
| ADNP | ENSG00000101126.15 | 5.557109996 | 5.891675437 | 4.573812651 |
| PDCD2 | ENSG00000071994.10 | 5.987080587 | 4.935594755 | 4.773588652 |
| DHFR | ENSG00000228716.6 | 6.232546258 | 4.634369755 | 5.468140883 |
| C1orf174 | ENSG00000198912.10 | 4.980489376 | 4.826662504 | 4.43058023 |
| OTUD6B-AS1 | ENSG00000253738.1 | 4.753902193 | 4.453134396 | 5.349291966 |
| THOP1 | ENSG00000172009.14 | 5.259078591 | 5.874347994 | 4.488837858 |
| YPEL5 | ENSG00000119801.12 | 4.980514289 | 5.01123447 | 5.244662311 |
| MEF2A | ENSG00000068305.17 | 4.443615042 | 4.491059519 | 5.852872147 |
| EFR3A | ENSG00000132294.14 | 4.849260579 | 4.707027809 | 4.858072596 |
| NUDT3 | ENSG00000272325.1 | 4.662874637 | 4.790654603 | 5.154241035 |
| POGZ | ENSG00000143442.21 | 5.603162414 | 5.240689709 | 4.747821295 |
| YTHDF2 | ENSG00000198492.15 | 5.163370576 | 5.125717383 | 5.603300184 |
| RPF2 | ENSG00000197498.12 | 5.831362403 | 5.109683463 | 4.893880116 |
| SNRPD1 | ENSG00000167088.10 | 5.712012919 | 5.194272068 | 4.433914682 |
| CLDN12 | ENSG00000157224.15 | 5.282478119 | 6.947558008 | 6.299088998 |
| VPS45 | ENSG00000136631.12 | 5.66917959 | 5.03247825 | 4.597268369 |

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| AP1AR | ENSG00000138660.11 | 4.862635607 | 4.855468849 | 4.569480555 |
| FAM168A | ENSG00000054965.10 | 5.50235609 | 4.904208273 | 5.933036813 |
| CIR1 | ENSG00000138433.15 | 5.176813104 | 5.802241744 | 5.423676979 |
| RIOK3 | ENSG00000101782.14 | 5.344262196 | 5.438456172 | 4.971113049 |
| OSBPL2 | ENSG00000130703.15 | 4.582118277 | 5.004656403 | 5.530225358 |
| PRR7 | ENSG00000131188.11 | 5.656894871 | 5.355961607 | 4.804450857 |
| COIL | ENSG00000121058.4 | 4.859096718 | 4.910235203 | 5.302557131 |
| PRAF2 | ENSG00000243279.3 | 6.40874726 | 5.329891464 | 4.458957065 |
| AHCTF1 | ENSG00000153207.14 | 6.910713663 | 4.556741724 | 5.002632289 |
| DIP2B | ENSG00000066084.12 | 5.42551898 | 5.961603245 | 5.433769651 |
| PSMC3IP | ENSG00000131470.14 | 5.657178774 | 4.604621948 | 4.413338253 |
| TIPIN | ENSG00000075131.9 | 5.287752085 | 4.588456873 | 4.641550954 |
| THRA | ENSG00000126351.12 | 4.59968544 | 5.146013294 | 5.089723614 |
| MBD2 | ENSG00000134046.11 | 4.778742637 | 5.182211507 | 4.620894797 |
| SAV1 | ENSG00000151748.14 | 4.975229293 | 4.689648919 | 5.170053722 |
| FBXO38 | ENSG00000145868.16 | 5.289384722 | 4.400561782 | 4.994831659 |
| NEAT1 | ENSG00000245532.7 | 5.763523094 | 7.337521643 | 7.555244078 |
| TRIM24 | ENSG00000122779.17 | 5.054653417 | 4.399122756 | 5.402960606 |
| PIK3R4 | ENSG00000196455.7 | 5.567352665 | 5.435451631 | 4.439351728 |
| POP4 | ENSG00000105171.9 | 5.49904301 | 5.664179723 | 5.231539937 |
| TMEM245 | ENSG00000106771.12 | 5.24801513 | 6.225594681 | 4.416820326 |
| MREG | ENSG00000118242.15 | 4.396219153 | 8.167018216 | 7.36524356 |
| ZNF770 | ENSG00000198146.4 | 5.520209106 | 5.105273589 | 5.599716788 |
| PFN2 | ENSG00000070087.13 | 6.274477265 | 7.121511751 | 7.905604115 |
| RARA | ENSG00000131759.17 | 5.505214522 | 5.554618673 | 6.209129055 |
| CEP70 | ENSG00000114107.8 | 4.742402925 | 4.586923965 | 5.315168147 |
| CHAF1A | ENSG00000167670.15 | 6.280126223 | 5.63823112 | 4.559842674 |
| PITPNA | ENSG00000174238.14 | 6.335717608 | 5.453163059 | 5.241788699 |
| FN3KRP | ENSG00000141560.14 | 4.414956368 | 4.911157406 | 4.596637724 |
| TBC1D15 | ENSG00000121749.15 | 5.905183688 | 5.459835468 | 4.538909062 |
| ZNF697 | ENSG00000143067.4 | 4.916574602 | 5.65621173 | 6.810328858 |
| ERAP1 | ENSG00000164307.12 | 5.600839001 | 4.48194641 | 5.713119837 |
| ANKFY1 | ENSG00000185722.16 | 5.165325619 | 4.600269819 | 4.496155488 |
| CHORDC1 | ENSG00000110172.11 | 5.680018575 | 4.718593472 | 4.482621654 |
| MAIP1 | ENSG00000162972.10 | 4.539197526 | 5.039651592 | 4.652140635 |
| PNPO | ENSG00000108439.10 | 5.510440415 | 5.623204971 | 5.722994661 |
| RIPK1 | ENSG00000137275.13 | 4.472376662 | 4.698031593 | 4.802228215 |
| TGS1 | ENSG00000137574.10 | 5.560568836 | 4.488847682 | 4.460089915 |
| TBL2 | ENSG00000106638.15 | 4.88899745 | 5.964728914 | 4.583964543 |
| C1orf198 | ENSG00000119280.16 | 5.189997973 | 4.427898704 | 4.394159258 |
| KDM3A | ENSG00000115548.16 | 4.585388172 | 5.012615857 | 4.891503043 |
| PMM2 | ENSG00000140650.11 | 6.471008574 | 6.184262075 | 4.931965034 |
| GOLGA3 | ENSG00000090615.14 | 5.662116653 | 5.901678417 | 4.466070805 |
| MSRB1 | ENSG00000198736.11 | 5.244874435 | 4.797412224 | 4.78584988 |
| POLDIP3 | ENSG00000100227.17 | 5.587816462 | 4.812996306 | 5.051668248 |
| FAM98B | ENSG00000171262.11 | 5.825424021 | 5.010580113 | 4.752227251 |

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| TCEAL4 | ENSG00000133142.17 | 5.126733611 | 5.966147954 | 5.372064814 |
| MRM2 | ENSG00000122687.17 | 5.540300157 | 5.105158358 | 4.593477141 |
| UIMC1 | ENSG00000087206.16 | 5.308921567 | 4.662733623 | 4.716842527 |
| WDR13 | ENSG00000101940.17 | 5.59563304 | 5.186196123 | 5.563543957 |
| TOMM40L | ENSG00000158882.14 | 4.989810152 | 5.127746136 | 4.74666638 |
| TMEM97 | ENSG00000109084.13 | 5.26461208 | 4.787692345 | 4.939993742 |
| GLOD4 | ENSG00000167699.13 | 5.051883242 | 4.611077995 | 5.269587395 |
| EIF2B3 | ENSG00000070785.16 | 5.646804731 | 4.807375192 | 4.420884648 |
| TERF2 | ENSG00000132604.10 | 5.323626582 | 4.444868966 | 4.9367812 |
| RNF187 | ENSG00000168159.11 | 5.50994704 | 4.480714053 | 5.634512425 |
| IKBKB | ENSG00000104365.13 | 4.476794529 | 5.111681715 | 5.495501863 |
| ARPC5 | ENSG00000162704.15 | 7.021736627 | 5.943435123 | 5.725380036 |
| ERLIN2 | ENSG00000147475.14 | 4.395171026 | 4.969459964 | 4.737507217 |
| ARL2BP | ENSG00000102931.7 | 5.56338508 | 4.785440819 | 5.487898849 |
| TMEM201 | ENSG00000188807.12 | 5.382964864 | 5.261267061 | 5.683386911 |
| CREM | ENSG00000095794.19 | 5.143126006 | 6.324309021 | 4.703244117 |
| CENPX | ENSG00000169689.14 | 4.948252734 | 4.751152931 | 4.829214633 |
| MAPRE2 | ENSG00000166974.12 | 5.123055502 | 5.474741959 | 4.934283645 |
| SLC4A7 | ENSG00000033867.16 | 5.651509333 | 5.12056447 | 4.667740073 |
| ABHD16A | ENSG00000204427.11 | 4.630197384 | 5.350769663 | 5.21143257 |
| PTS | ENSG00000150787.7 | 6.295702523 | 5.318706458 | 4.385415369 |
| TMEM5 | ENSG00000118600.11 | 5.371071739 | 5.148747666 | 5.32101779 |
| JMJD8 | ENSG00000161999.11 | 6.56419452 | 4.589640449 | 5.100612495 |
| VCL | ENSG00000035403.17 | 5.348407369 | 5.268765307 | 4.566806399 |
| RSF1 | ENSG00000048649.13 | 4.64290513 | 4.604142387 | 4.607919944 |
| DLEU1_1 | ENSG00000276089.1 | 5.513705009 | 4.525448156 | 5.906008626 |
| CHD2 | ENSG00000173575.20 | 4.954568431 | 5.218440378 | 5.94522185 |
| PHKB | ENSG00000102893.15 | 4.899386467 | 4.594407615 | 5.669182473 |
| ZNF787 | ENSG00000142409.5 | 5.532185313 | 4.438291 | 6.140544708 |
| DDB2 | ENSG00000134574.11 | 5.574433802 | 5.99643898 | 6.272063121 |
| SYVN1 | ENSG00000162298.18 | 5.525480347 | 5.652053704 | 5.911877498 |
| NCOA5 | ENSG00000124160.11 | 5.929294546 | 4.483609898 | 4.939282465 |
| TMEM9 | ENSG00000116857.16 | 6.148270622 | 6.149311248 | 4.547000443 |
| CD99L2 | ENSG00000102181.20 | 4.869525807 | 5.518520209 | 4.414571925 |
| RNF34 | ENSG00000170633.16 | 5.647725115 | 5.187132924 | 5.725919851 |
| MRPS17 | ENSG00000239789.5 | 4.960261076 | 5.342495892 | 4.438481104 |
| CISD3 | ENSG00000277972.1 | 5.376376873 | 5.205257056 | 4.665704762 |
| KDM5C | ENSG00000126012.11 | 6.561251447 | 6.201910014 | 6.306600928 |
| ZW10 | ENSG00000086827.8 | 5.792335031 | 4.575999288 | 4.414795599 |
| EXTL2 | ENSG00000162694.13 | 4.810178849 | 4.848960472 | 4.646478481 |
| IDH2 | ENSG00000182054.9 | 4.898789017 | 4.585826737 | 4.503445211 |
| ANAPC1 | ENSG00000153107.11 | 4.484396145 | 5.117730202 | 4.447755413 |
| DPH1 | ENSG00000108963.17 | 5.126765041 | 4.520417661 | 5.224757568 |
| HSBP1 | ENSG00000230989.6 | 5.978849009 | 4.531203818 | 4.621714993 |
| FAM45A | ENSG00000119979.16 | 5.018152808 | 5.077293479 | 4.693450016 |
| DPH3 | ENSG00000154813.9 | 4.858248833 | 5.177132426 | 4.692917834 |

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| FLCN | ENSG00000154803.12 | 4.670406856 | 4.415417812 | 5.759764673 |
| SS18L1 | ENSG00000184402.14 | 4.408407036 | 4.724165023 | 5.509235706 |
| SETDB1 | ENSG00000143379.12 | 6.019356366 | 5.140570606 | 4.819859148 |
| NARS2 | ENSG00000137513.9 | 4.790544277 | 5.549363006 | 5.278542339 |
| XYLT2 | ENSG00000015532.9 | 4.918310087 | 5.761131973 | 5.20214772 |
| CHMP2B | ENSG00000083937.8 | 5.48369761 | 5.657687328 | 4.947579807 |
| SAMD1 | ENSG00000141858.11 | 7.007780927 | 5.11240496 | 4.399955367 |
| HSPG2 | ENSG00000142798.17 | 4.5021971 | 5.586508984 | 4.675719269 |
| PIGK | ENSG00000142892.14 | 4.915437069 | 5.19739676 | 4.466589522 |
| SERTAD2 | ENSG00000179833.4 | 5.363474002 | 5.442055337 | 5.437297208 |
| BCL2L12 | ENSG00000126453.9 | 5.240730817 | 5.147432208 | 4.409169372 |
| UGDH | ENSG00000109814.11 | 5.414646398 | 6.146988333 | 6.112287102 |
| DHX33 | ENSG00000005100.12 | 5.550438337 | 4.698206673 | 6.28338002 |
| TJAP1 | ENSG00000137221.14 | 4.996128982 | 5.112313006 | 5.229881093 |
| TUBB3 | ENSG00000258947.6 | 7.289187428 | 8.893408004 | 4.898400991 |
| TAB3 | ENSG00000157625.15 | 5.261445319 | 4.429226855 | 5.847334962 |
| ZDHHC9 | ENSG00000188706.12 | 4.46429244 | 5.341788482 | 5.251971577 |
| MAK16 | ENSG00000198042.10 | 5.88057687 | 4.699813375 | 4.406821192 |
| CDC6 | ENSG00000094804.9 | 6.204633606 | 5.870273057 | 4.420155411 |
| RNF123 | ENSG00000164068.15 | 5.497392805 | 5.420198839 | 4.705453836 |
| CASP4 | ENSG00000196954.13 | 5.899821958 | 4.376814314 | 6.897574033 |
| PKN2 | ENSG00000065243.19 | 4.938182576 | 4.401365819 | 4.752945753 |
| MRPS31 | ENSG00000102738.7 | 5.885418883 | 4.590290049 | 4.939612852 |
| CMTM3 | ENSG00000140931.19 | 5.349805091 | 5.486344221 | 6.515500188 |
| PPME1 | ENSG00000214517.9 | 5.869863996 | 5.73020185 | 5.080093478 |
| PCF11 | ENSG00000165494.11 | 4.558489161 | 4.733774264 | 5.375613907 |
| SPRYD3 | ENSG00000167778.8 | 4.732135128 | 5.103256397 | 4.898360726 |
| STAT5B | ENSG00000173757.9 | 4.603361593 | 5.349912017 | 5.636903578 |
| ITPRIPL2 | ENSG00000205730.6 | 5.289376054 | 4.344043845 | 4.706887303 |
| RBM19 | ENSG00000122965.10 | 5.117828057 | 5.323848806 | 4.382283992 |
| LBR | ENSG00000143815.14 | 6.28639242 | 4.403568725 | 4.346181966 |
| AARS2 | ENSG00000124608.4 | 4.907686837 | 5.050485226 | 6.129637536 |
| CAMTA2 | ENSG00000108509.20 | 6.785764824 | 4.467353325 | 7.103926898 |
| TAB2 | ENSG00000055208.18 | 5.230243514 | 4.985435251 | 4.791985052 |
| GAA | ENSG00000171298.12 | 5.686670779 | 6.08936204 | 4.972153765 |
| TSC22D1 | ENSG00000102804.14 | 6.838617317 | 5.437553467 | 6.827181956 |
| C6orf47 | ENSG00000204439.3 | 4.444551316 | 4.713023379 | 4.946473014 |
| TARBP2 | ENSG00000139546.10 | 5.380963171 | 5.040775489 | 4.416821468 |
| TCAF1 | ENSG00000198420.9 | 5.136379082 | 5.486515005 | 4.408171984 |
| UQCC2 | ENSG00000137288.9 | 4.867595249 | 4.605535059 | 4.578204328 |
| TNK2 | ENSG00000061938.17 | 4.493437261 | 5.388572774 | 4.793837476 |
| NEMP1 | ENSG00000166881.9 | 5.184560891 | 4.983654 | 4.336592461 |
| MIEN1 | ENSG00000141741.11 | 5.119936318 | 5.2746788 | 5.930595439 |
| AAGAB | ENSG00000103591.12 | 5.777018141 | 5.803353541 | 5.82264518 |
| GATD1 | ENSG00000177225.16 | 4.363658832 | 5.27206389 | 5.163612848 |
| NIP7 | ENSG00000132603.13 | 6.103412845 | 5.171538384 | 5.540371079 |

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| MPC1 | ENSG00000060762.18 | 5.633672618 | 4.568198707 | 5.581147009 |
| KNOP1 | ENSG00000103550.13 | 5.574888877 | 5.043208353 | 5.178145284 |
| FAM84B | ENSG00000168672.3 | 8.203799115 | 4.44193718 | 7.514073599 |
| CARHSP1 | ENSG00000153048.10 | 6.323831844 | 5.076172803 | 4.40481349 |
| ADI1 | ENSG00000182551.13 | 6.99682186 | 5.935065015 | 4.822684785 |
| SENP5 | ENSG00000119231.10 | 4.433113552 | 4.890669732 | 4.499913794 |
| DBR1 | ENSG00000138231.12 | 5.080474884 | 4.809821677 | 4.347321472 |
| EDC3 | ENSG00000179151.11 | 5.504882956 | 5.848152635 | 5.063255426 |
| INTS12 | ENSG00000138785.14 | 4.794726347 | 4.543043195 | 5.208429323 |
| POLR3D | ENSG00000168495.12 | 5.467257872 | 4.459234564 | 4.642553954 |
| PMF1 | ENSG00000160783.19 | 5.827232827 | 5.273884525 | 4.328457216 |
| SURF2 | ENSG00000148291.9 | 6.537245709 | 5.818978364 | 4.384761814 |
| PRKRIP1 | ENSG00000128563.13 | 4.762249735 | 5.202366203 | 4.526309603 |
| ABCD1 | ENSG00000101986.11 | 4.67990467 | 6.842462251 | 5.788020754 |
| DAAM2 | ENSG00000146122.16 | 5.124177008 | 5.750145595 | 5.904228132 |
| MARCH7 | ENSG00000136536.14 | 4.67250578 | 5.326450643 | 5.461496401 |
| TMEM185B | ENSG00000226479.3 | 4.407616332 | 5.318497577 | 5.098344733 |
| TMEM70 | ENSG00000175606.10 | 5.374099597 | 4.516633537 | 5.060865966 |
| NUS1 | ENSG00000153989.7 | 5.247561633 | 4.912513533 | 4.375344175 |
| MFSD14A | ENSG00000156875.13 | 5.66116217 | 5.425540034 | 5.37783601 |
| DUSP11 | ENSG00000144048.10 | 5.130917325 | 5.283285245 | 4.399662829 |
| PRADC1 | ENSG00000135617.3 | 5.093911395 | 4.55256803 | 4.354196658 |
| SUDS3 | ENSG00000111707.11 | 5.067845801 | 4.92140057 | 5.4254124 |
| SPHK1 | ENSG00000176170.13 | 4.387635862 | 7.01404144 | 4.805517944 |
| SUMF1 | ENSG00000144455.13 | 4.318717909 | 5.395554537 | 4.689369961 |
| XPO4 | ENSG00000132953.16 | 4.685777451 | 4.7157465 | 4.600451906 |
| TOB2 | ENSG00000183864.4 | 5.273875278 | 5.400375351 | 4.341001184 |
| TMEM94 | ENSG00000177728.16 | 4.872577572 | 5.339339114 | 5.92329969 |
| FAM13B | ENSG00000031003.10 | 4.372685645 | 4.833126736 | 4.389602146 |
| ADO | ENSG00000181915.4 | 5.017387735 | 5.178098414 | 4.875005756 |
| UAP1L1 | ENSG00000197355.10 | 4.474916742 | 6.426212859 | 5.569355034 |
| RBPMS | ENSG00000157110.15 | 4.435198304 | 4.786794378 | 5.062483566 |
| INTS6 | ENSG00000102786.14 | 4.805872645 | 4.844580903 | 4.563129307 |
| HDAC6 | ENSG00000094631.18 | 4.407923726 | 4.712584961 | 5.178771513 |
| TPMT | ENSG00000137364.4 | 4.389046654 | 5.109941026 | 5.15195328 |
| YAE1D1 | ENSG00000241127.7 | 5.596185731 | 5.538315584 | 4.933822504 |
| ATF6 | ENSG00000118217.5 | 5.146042277 | 5.591450845 | 5.193211113 |
| PLEKHO2 | ENSG00000241839.9 | 4.387611882 | 6.124927593 | 6.412098578 |
| SEPHS1 | ENSG00000086475.14 | 5.694644677 | 5.069961774 | 4.603860359 |
| DDHD2 | ENSG00000085788.13 | 4.722112698 | 4.666060703 | 5.371509858 |
| LUZP1 | ENSG00000169641.13 | 5.016551949 | 4.932504725 | 4.715842136 |
| RBM33 | ENSG00000184863.10 | 4.793488989 | 4.689262903 | 5.080246878 |
| GAS8 | ENSG00000141013.16 | 4.337970559 | 6.008290262 | 4.608573723 |
| FMNL2 | ENSG00000157827.19 | 5.712349307 | 6.311388907 | 5.841822621 |
| KIF13A | ENSG00000137177.19 | 4.834750328 | 4.812980219 | 4.667203199 |
| AKAP11 | ENSG00000023516.8 | 5.250129516 | 5.134875021 | 4.831346466 |

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| SEPT8 | ENSG00000164402.13 | 5.163981708 | 4.482254304 | 5.295336605 |
| SYMPK | ENSG00000125755.18 | 6.57297772 | 5.685950539 | 5.322226168 |
| TUBGCP3 | ENSG00000126216.13 | 6.043071886 | 4.418631614 | 4.365501958 |
| STAU2 | ENSG00000040341.17 | 4.932545371 | 5.412559494 | 6.166252641 |
| ZNF512B | ENSG00000196700.8 | 5.15363166 | 4.363018226 | 4.794005362 |
| MAST2 | ENSG00000086015.20 | 5.12039006 | 5.133486867 | 5.524500676 |
| OXSR1 | ENSG00000172939.8 | 5.985155063 | 6.014364055 | 4.348882676 |
| ZNHIT3 | ENSG00000273611.4 | 5.507311655 | 5.542385955 | 5.659317416 |
| TTC4 | ENSG00000243725.6 | 4.957779876 | 4.85875572 | 4.409863329 |
| SLC30A9 | ENSG00000014824.13 | 5.665680106 | 4.432286661 | 6.402807889 |
| TNFAIP1 | ENSG00000109079.9 | 5.809438629 | 5.584453031 | 5.106148377 |
| QSER1 | ENSG00000060749.14 | 5.487155732 | 5.282092868 | 5.21376812 |
| ATF1 | ENSG00000123268.8 | 5.489593721 | 4.784303968 | 4.523134819 |
| NFATC2IP | ENSG00000176953.12 | 5.250367728 | 4.605170256 | 4.479089777 |
| TRIM33 | ENSG00000197323.11 | 5.771413813 | 5.66839557 | 4.368588648 |
| KLF16 | ENSG00000129911.8 | 4.424557118 | 5.483760195 | 4.819030949 |
| SLC35D2 | ENSG00000130958.11 | 4.955947031 | 5.592328241 | 5.00214129 |
| HJURP | ENSG00000123485.11 | 5.860437787 | 5.380256589 | 4.453504075 |
| SNAP23 | ENSG00000092531.9 | 4.614949054 | 5.634716643 | 4.914746735 |
| USP24 | ENSG00000162402.13 | 5.332777644 | 4.863062422 | 4.381916115 |
| AGGF1 | ENSG00000164252.12 | 5.22525546 | 4.674032431 | 4.37913982 |
| RGS19 | ENSG00000171700.13 | 4.683766726 | 4.894799487 | 4.604996611 |
| SOAT1 | ENSG00000057252.12 | 5.621989898 | 4.655050895 | 7.049528719 |
| FBXO32 | ENSG00000156804.7 | 4.443821866 | 7.046033456 | 6.502532223 |
| ATG4D | ENSG00000130734.9 | 5.315497957 | 6.196690838 | 5.541363858 |
| VPS33A | ENSG00000139719.9 | 5.308095512 | 5.079948734 | 4.597909612 |
| ZCCHC9 | ENSG00000131732.11 | 5.41765924 | 5.110246807 | 4.456720325 |
| RBM27 | ENSG00000091009.7 | 5.429648278 | 4.35347851 | 4.830560804 |
| SEPT11 | ENSG00000138758.11 | 6.465177391 | 6.35325455 | 6.827378018 |
| WASHC4 | ENSG00000136051.13 | 5.677669688 | 5.50549422 | 4.328281075 |
| DPM3 | ENSG00000179085.7 | 6.22801523 | 5.877278681 | 4.404148789 |
| POLB | ENSG00000070501.11 | 5.209780962 | 5.776517602 | 5.94382527 |
| MMD | ENSG00000108960.7 | 4.397684653 | 5.113148409 | 4.412704114 |
| AASS | ENSG00000008311.14 | 4.769978405 | 5.362129637 | 4.627493363 |
| TRIM56 | ENSG00000169871.12 | 4.298402556 | 4.624483051 | 4.761321431 |
| SELENOK | ENSG00000113811.10 | 5.691037942 | 5.572713269 | 4.67880922 |
| RAI1 | ENSG00000108557.18 | 5.839387679 | 5.576077359 | 5.650726542 |
| SPATS2 | ENSG00000123352.17 | 4.697588763 | 5.438502102 | 4.714891108 |
| IL17RC | ENSG00000163702.18 | 4.64033072 | 4.719166052 | 4.898970076 |
| METTL13 | ENSG00000010165.19 | 6.504070486 | 5.398543751 | 4.625887998 |
| SFXN4 | ENSG00000183605.16 | 5.752766366 | 5.047474001 | 6.155447186 |
| AKAP8 | ENSG00000105127.8 | 5.357367926 | 4.812097668 | 4.515135626 |
| TOP3A | ENSG00000177302.14 | 6.634383182 | 4.378903386 | 4.860497206 |
| SLC35E1 | ENSG00000127526.14 | 5.474720973 | 6.038293043 | 4.642322015 |
| AKIP1 | ENSG00000166452.11 | 4.564622366 | 5.16502864 | 5.382136778 |
| SMCHD1 | ENSG00000101596.14 | 4.725525726 | 5.086752813 | 4.856434098 |

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| BACH1 | ENSG00000156273.15 | 4.74847943 | 4.747100869 | 5.611482132 |
| EAF1 | ENSG00000144597.13 | 5.455965461 | 5.437037021 | 4.757219134 |
| RHBDD3 | ENSG00000100263.13 | 4.499620125 | 5.103705105 | 4.890826174 |
| PPT2 | ENSG00000221988.12 | 5.729836966 | 5.605914376 | 4.608403079 |
| NDUFAF6 | ENSG00000156170.12 | 5.002348795 | 4.666948257 | 4.327816633 |
| COQ5 | ENSG00000110871.14 | 5.379882571 | 4.937086596 | 6.497071385 |
| NPAT | ENSG00000149308.16 | 4.298333755 | 4.682350924 | 4.723467824 |
| DMXL1 | ENSG00000172869.14 | 4.638701034 | 5.101352625 | 5.383057582 |
| MUS81 | ENSG00000172732.11 | 5.300024823 | 4.812150476 | 5.411863951 |
| NUP43 | ENSG00000120253.13 | 5.852133279 | 4.449026138 | 4.299601315 |
| TMEM60 | ENSG00000135211.5 | 4.358412902 | 5.82038494 | 4.96031746 |
| USE1 | ENSG00000053501.12 | 6.768887821 | 5.556739717 | 4.539162466 |
| NUP54 | ENSG00000138750.14 | 5.20418577 | 5.319499441 | 4.364823134 |
| ARSB | ENSG00000113273.15 | 4.412276334 | 4.40929787 | 5.968983676 |
| EVI5 | ENSG00000067208.14 | 4.339304888 | 4.805528043 | 4.630456052 |
| NELFA | ENSG00000185049.14 | 5.476817381 | 4.475295723 | 6.614002863 |
| PPP2R3C | ENSG00000092020.10 | 4.538025566 | 4.399587856 | 5.218697086 |
| AFMID | ENSG00000183077.15 | 4.615093443 | 5.386833258 | 5.061728815 |
| UBE2N | ENSG00000177889.9 | 5.905286509 | 5.330512025 | 4.318749946 |
| ACAA1 | ENSG00000060971.17 | 5.551814517 | 6.55461183 | 4.357889896 |
| RCOR3 | ENSG00000117625.13 | 5.543593515 | 4.349138385 | 4.443334497 |
| OCRL | ENSG00000122126.15 | 4.62337056 | 5.289438122 | 5.173504128 |
| TNKS2 | ENSG00000107854.5 | 5.537289493 | 5.112087846 | 5.434515378 |
| TEAD4 | ENSG00000197905.8 | 5.645892298 | 4.36131808 | 6.125220022 |
| NUDT19 | ENSG00000213965.3 | 5.116727139 | 4.947189461 | 4.885508176 |
| DDX10 | ENSG00000178105.9 | 5.314259133 | 4.37289731 | 4.972203382 |
| FARP1 | ENSG00000152767.16 | 6.072842045 | 5.81575765 | 6.334791268 |
| GRPEL1 | ENSG00000109519.12 | 5.377694458 | 4.314468011 | 5.927755658 |
| FMC1 | ENSG00000164898.12 | 5.011215696 | 4.456001092 | 4.696561796 |
| OMA1 | ENSG00000162600.11 | 5.497341734 | 4.510229198 | 4.571520028 |
| GTPBP1 | ENSG00000100226.15 | 4.50789 | 5.178663091 | 5.607785421 |
| UBXN8 | ENSG00000104691.14 | 4.853070987 | 5.065697525 | 4.725649865 |
| KDM1B | ENSG00000165097.13 | 4.71643169 | 4.280982652 | 5.803702581 |
| SPPL3 | ENSG00000157837.15 | 5.118479566 | 5.057253603 | 6.211919836 |
| PRKD2 | ENSG00000105287.12 | 5.683773844 | 5.18325959 | 5.715803054 |
| PLAA | ENSG00000137055.14 | 7.276355344 | 4.962846534 | 5.196055938 |
| ESF1 | ENSG00000089048.14 | 5.79602545 | 5.996710056 | 4.296561361 |
| ANKZF1 | ENSG00000163516.13 | 4.696055933 | 4.585986264 | 4.833908648 |
| OTUD4 | ENSG00000164164.15 | 5.519420556 | 4.414707033 | 4.708751004 |
| ZNF394 | ENSG00000160908.14 | 4.9904031 | 5.116718445 | 4.439272056 |
| EXOSC2 | ENSG00000130713.15 | 6.438915248 | 5.361337933 | 4.33923174 |
| AURKB | ENSG00000178999.12 | 6.712160531 | 5.649198791 | 4.512432434 |
| SLC25A22 | ENSG00000177542.10 | 5.860125236 | 5.645162673 | 5.012181891 |
| TMEM256 | ENSG00000205544.3 | 5.543613016 | 5.322993062 | 4.336978373 |
| NSMCE4A | ENSG00000107672.14 | 6.192670976 | 4.392728415 | 4.607542178 |
| KIF3C | ENSG00000084731.14 | 4.937400607 | 5.826336945 | 5.316403132 |

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| GAPVD1 | ENSG00000165219.21 | 5.733189708 | 5.708143589 | 4.518438192 |
| CDC20 | ENSG00000117399.13 | 8.087366662 | 6.27766614 | 4.404469298 |
| TXNDC17 | ENSG00000129235.10 | 6.245518082 | 4.539436121 | 4.447224633 |
| TAF5L | ENSG00000135801.9 | 5.663743679 | 4.327418818 | 4.412342096 |
| SCAF4 | ENSG00000156304.14 | 5.215722141 | 4.307927982 | 4.961846168 |
| NARF | ENSG00000141562.17 | 4.855020721 | 5.493209563 | 6.218743962 |
| SARS2 | ENSG00000104835.14 | 5.609734233 | 4.754490772 | 4.6612318 |
| MINPP1 | ENSG00000107789.15 | 6.3816016 | 5.315384161 | 4.692067811 |
| REXO1 | ENSG00000079313.13 | 4.649218928 | 5.014613379 | 4.90686083 |
| MPHOSPH9 | ENSG00000051825.14 | 5.093204829 | 4.350099607 | 5.212028523 |
| BRAT1 | ENSG00000106009.15 | 5.118645932 | 6.013015749 | 4.380009024 |
| MTFP1 | ENSG00000242114.5 | 5.14380234 | 4.644836291 | 5.420789234 |
| DIS3L | ENSG00000166938.12 | 4.683334494 | 4.361617291 | 4.40599599 |
| CCDC12 | ENSG00000160799.11 | 5.596081448 | 5.353941592 | 4.335679249 |
| TCF19 | ENSG00000137310.11 | 5.469441277 | 4.305770373 | 4.978318554 |
| REXO4 | ENSG00000148300.11 | 5.766397817 | 5.646344563 | 4.326501319 |
| RECQL5 | ENSG00000108469.14 | 4.873731262 | 5.264715838 | 5.096133563 |
| BMS1 | ENSG00000165733.7 | 5.524093212 | 4.569484598 | 4.312850749 |
| USP21 | ENSG00000143258.15 | 5.581461261 | 5.284308942 | 4.593479604 |
| CEP104 | ENSG00000116198.12 | 5.174912135 | 4.948330115 | 5.358755563 |
| APTX | ENSG00000137074.18 | 5.368076669 | 4.925386736 | 4.298203915 |
| RAB22A | ENSG00000124209.3 | 4.294592189 | 4.291750967 | 5.526223882 |
| TMEM181 | ENSG00000146433.8 | 5.640551875 | 4.775322473 | 4.916398849 |
| TIMELESS | ENSG00000111602.11 | 5.599251429 | 4.388285632 | 4.587946957 |
| DIS3 | ENSG00000083520.14 | 5.697675309 | 4.988092163 | 4.609126171 |
| UNG | ENSG00000076248.10 | 5.976605246 | 5.388229125 | 4.397265784 |
| CXorf56 | ENSG00000018610.13 | 5.341229128 | 4.999344295 | 5.003521874 |
| PPP6C | ENSG00000119414.11 | 5.774607968 | 6.381676129 | 4.939144483 |
| LIX1L | ENSG00000271601.3 | 6.040879074 | 5.615889849 | 4.368554347 |
| NSMF | ENSG00000165802.22 | 5.594835669 | 6.161130867 | 7.040742879 |
| CRAT | ENSG00000095321.16 | 4.796669264 | 5.131386026 | 4.369938781 |
| SLC25A24 | ENSG00000085491.15 | 5.304369908 | 4.790667702 | 4.289810513 |
| WAPL | ENSG00000062650.18 | 5.700451914 | 4.967912006 | 4.965439472 |
| THAP12 | ENSG00000137492.7 | 5.766072885 | 4.444368692 | 5.153748057 |
| ZBTB38 | ENSG00000177311.11 | 7.46073426 | 7.403127964 | 5.511231751 |
| NCBP1 | ENSG00000136937.12 | 6.322401549 | 6.128183919 | 4.319463602 |
| GMPR2 | ENSG00000100938.17 | 5.132221717 | 4.432722948 | 4.623547691 |
| PARP9 | ENSG00000138496.16 | 4.359106398 | 4.390338086 | 5.735281424 |
| AGA | ENSG00000038002.8 | 5.577830209 | 4.670173686 | 4.295213973 |
| ERLIN1 | ENSG00000107566.13 | 5.202520169 | 4.726942407 | 4.430700404 |
| TTL | ENSG00000114999.7 | 4.569254227 | 5.228871621 | 4.308744193 |
| TSPYL1 | ENSG00000189241.6 | 5.579911011 | 5.388423908 | 5.312362832 |
| LSM3 | ENSG00000170860.3 | 5.307348318 | 4.9694168 | 4.354190525 |
| C1D | ENSG00000197223.11 | 5.076356221 | 4.518308644 | 4.370765771 |
| ICK | ENSG00000112144.15 | 4.320210128 | 4.453389322 | 5.117897246 |
| INTS4 | ENSG00000149262.16 | 5.322283581 | 5.15987946 | 5.147943366 |

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| RSRC1 | ENSG00000174891.12 | 5.691628786 | 5.309000634 | 5.467883305 |
| YEATS4 | ENSG00000127337.6 | 6.16022964 | 4.57630848 | 5.6322118 |
| TPST1 | ENSG00000169902.13 | 4.722135487 | 6.009742897 | 4.330123304 |
| MAN2A2 | ENSG00000196547.14 | 5.008693125 | 5.906352817 | 5.388080286 |
| SLC25A44 | ENSG00000160785.13 | 5.65827974 | 5.054715879 | 4.277627514 |
| POFUT2 | ENSG00000186866.16 | 4.450317232 | 6.350733727 | 5.373979109 |
| SYS1 | ENSG00000204070.9 | 5.436028493 | 4.484201647 | 5.026077233 |
| PFAS | ENSG00000178921.13 | 6.072977588 | 4.605611472 | 4.298027269 |
| CCPG1 | ENSG00000260916.7 | 4.516067868 | 5.038790155 | 7.028507105 |
| PUS1 | ENSG00000177192.13 | 5.580578919 | 5.073788603 | 5.638814851 |
| GEMIN5 | ENSG00000082516.8 | 5.726833855 | 4.809947924 | 4.623426886 |
| HPF1 | ENSG00000056050.6 | 5.011626861 | 4.474224867 | 4.311767956 |
| C12orf49 | ENSG00000111412.5 | 4.398521494 | 5.617593706 | 4.580727612 |
| IER5 | ENSG00000162783.10 | 4.304629159 | 4.695712397 | 4.860235328 |
| CAD | ENSG00000084774.13 | 6.301862355 | 6.117781252 | 4.484063111 |
| TRAF2 | ENSG00000127191.17 | 4.784305562 | 5.323332906 | 5.416659385 |
| RP9 | ENSG00000164610.8 | 5.108920645 | 5.330093373 | 4.906296957 |
| RPAP1 | ENSG00000103932.11 | 5.532608753 | 5.422562925 | 4.995028115 |
| SHISA4 | ENSG00000198892.6 | 5.31743754 | 4.976850685 | 4.678481227 |
| EXOC3 | ENSG00000180104.15 | 5.569886961 | 5.862067232 | 6.275518239 |
| RNF19B | ENSG00000116514.16 | 4.911088613 | 4.934263849 | 5.824278489 |
| GCC1 | ENSG00000179562.2 | 4.633113913 | 5.17375953 | 5.187462142 |
| SLC6A8 | ENSG00000130821.15 | 6.843366801 | 7.507998995 | 7.32707253 |
| PIGQ | ENSG00000007541.16 | 5.017471618 | 4.821030482 | 4.395682756 |
| ARNT | ENSG00000143437.20 | 4.934442332 | 5.419584221 | 4.577495614 |
| DRAM2 | ENSG00000156171.14 | 4.262490218 | 4.84607886 | 5.251266574 |
| SLC41A1 | ENSG00000133065.10 | 6.033169626 | 4.290160892 | 5.018250601 |
| CHTF18 | ENSG00000127586.16 | 5.245614149 | 4.494521965 | 4.411248562 |
| AGPAT3 | ENSG00000160216.18 | 4.809743797 | 4.808965087 | 5.344894015 |
| FAM160B2 | ENSG00000158863.21 | 4.37249918 | 4.789111969 | 5.428397776 |
| GATAD2B | ENSG00000143614.9 | 6.025744047 | 5.39726186 | 4.612842923 |
| EHD4 | ENSG00000103966.10 | 5.511067361 | 4.515242538 | 5.00079111 |
| KLHL17 | ENSG00000187961.13 | 4.567363775 | 5.181696676 | 4.969934504 |
| CEP164 | ENSG00000110274.15 | 5.712493983 | 4.411813313 | 5.328741495 |
| PCOLCE | ENSG00000106333.12 | 8.369175553 | 4.611382486 | 4.90909788 |
| TRUB1 | ENSG00000165832.5 | 5.373512284 | 4.779309402 | 5.444514282 |
| COMMD8 | ENSG00000169019.10 | 5.439517693 | 4.355812757 | 5.896598515 |
| CHKA | ENSG00000110721.11 | 4.279391776 | 5.617897506 | 6.884945746 |
| PLAGL2 | ENSG00000126003.6 | 4.344850354 | 4.292102997 | 4.842654154 |
| EPN1 | ENSG00000063245.14 | 7.271674707 | 5.455750782 | 7.092049402 |
| POLD1 | ENSG00000062822.12 | 6.247645686 | 5.641883303 | 4.455838139 |
| MAP3K2 | ENSG00000169967.16 | 4.327658343 | 4.737825073 | 4.663472386 |
| SLC25A17 | ENSG00000100372.14 | 4.787325392 | 5.011866902 | 4.663255398 |
| OGFOD1 | ENSG00000087263.16 | 6.049628294 | 5.097622669 | 5.372789127 |
| ZKSCAN5 | ENSG00000196652.11 | 4.361678416 | 4.750242792 | 4.325866187 |
| NR2C2 | ENSG00000177463.15 | 5.233141627 | 5.077239164 | 5.236455807 |

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| MOCS2 | ENSG00000164172.18 | 5.790378782 | 4.94261341 | 5.203244713 |
| LAGE3 | ENSG00000196976.7 | 5.085202275 | 5.195983342 | 4.298600406 |
| PABPC1L | ENSG00000101104.12 | 6.001777039 | 6.15901537 | 7.138257182 |
| STRIP1 | ENSG00000143093.14 | 4.909756521 | 4.619533864 | 4.642281983 |
| BTG1 | ENSG00000133639.4 | 6.441745251 | 5.56977989 | 5.740991315 |
| PCSK7 | ENSG00000160613.12 | 5.422503647 | 4.270877303 | 4.617584388 |
| PARP6 | ENSG00000137817.16 | 4.664073771 | 4.951175487 | 5.22787386 |
| MALSU1 | ENSG00000156928.4 | 4.544430955 | 4.986137007 | 4.335548675 |
| ASCC2 | ENSG00000100325.14 | 5.555043635 | 5.656586125 | 5.664900474 |
| IFFO1 | ENSG00000010295.19 | 4.288877786 | 5.312208372 | 5.321855788 |
| URGCP | ENSG00000106608.16 | 4.352301039 | 5.215330891 | 4.906873645 |
| MRPL10 | ENSG00000159111.12 | 5.660992811 | 5.095984829 | 5.969551961 |
| AP3M2 | ENSG00000070718.11 | 4.320133081 | 4.899609821 | 5.61755653 |
| DRG2 | ENSG00000108591.9 | 5.934113896 | 4.654480925 | 4.505960998 |
| CYTH1 | ENSG00000108669.16 | 4.307211447 | 5.707811358 | 5.143763684 |
| MYO18A | ENSG00000196535.15 | 5.37948246 | 5.247052871 | 5.698721849 |
| TIMM8A | ENSG00000126953.5 | 5.172184452 | 4.940653472 | 4.735312996 |
| LEPROTL1 | ENSG00000104660.17 | 5.208237154 | 5.120751503 | 5.851002084 |
| RABGAP1 | ENSG00000011454.16 | 5.153137534 | 5.819669836 | 4.688487003 |
| NTMT1 | ENSG00000148335.14 | 6.159867863 | 6.427607153 | 4.339767979 |
| STK38 | ENSG00000112079.8 | 4.245158805 | 4.71196726 | 4.839721477 |
| GORASP2 | ENSG00000115806.12 | 4.571929726 | 6.566184987 | 6.556711034 |
| RHNO1 | ENSG00000171792.10 | 5.01099395 | 5.035772649 | 4.791859595 |
| RFC3 | ENSG00000133119.12 | 6.891607378 | 5.592190803 | 4.285070862 |
| TRAPPC10 | ENSG00000160218.12 | 4.502056171 | 4.561094211 | 4.412765912 |
| EPC2 | ENSG00000135999.11 | 4.362320523 | 4.936452268 | 4.868821631 |
| KIRREL1 | ENSG00000183853.17 | 5.834954943 | 6.72767826 | 4.364642063 |
| COQ10B | ENSG00000115520.8 | 4.513748636 | 5.97521956 | 5.101419686 |
| PNPT1 | ENSG00000138035.14 | 5.888295529 | 5.544835224 | 4.36381641 |
| REEP3 | ENSG00000165476.13 | 4.824527082 | 4.304324202 | 4.992973114 |
| MARK3 | ENSG00000075413.17 | 6.189026687 | 5.980943477 | 4.337122262 |
| PARP14 | ENSG00000173193.13 | 4.243032829 | 4.720703175 | 4.885289229 |
| TRIT1 | ENSG00000043514.15 | 5.25817399 | 4.569770353 | 4.337709616 |
| SLC11A2 | ENSG00000110911.14 | 4.294088491 | 6.479731951 | 6.101842232 |
| SDHAF2 | ENSG00000167985.6 | 5.495597928 | 4.733903481 | 5.125435864 |
| MRPS14 | ENSG00000120333.4 | 4.956618364 | 4.414070929 | 4.786277977 |
| CPTP | ENSG00000224051.6 | 4.808646108 | 5.611296628 | 5.311916952 |
| GTPBP6 | ENSG00000178605.13 | 5.731397838 | 4.278957527 | 5.486936082 |
| TMED1 | ENSG00000099203.6 | 5.832758489 | 4.694165724 | 4.314032203 |
| NGLY1 | ENSG00000151092.16 | 4.676368932 | 5.009904522 | 4.706531189 |
| PRR14 | ENSG00000156858.11 | 5.225155071 | 4.262628295 | 5.083480691 |
| TMEM11 | ENSG00000178307.9 | 4.880439604 | 4.481333922 | 5.171179851 |
| PCK2 | ENSG00000100889.11 | 5.575106286 | 4.699156442 | 5.349147568 |
| KDM2B | ENSG00000089094.18 | 5.123726174 | 4.310048652 | 5.325533035 |
| SNX7 | ENSG00000162627.16 | 5.933044679 | 4.308280423 | 5.052700945 |
| NAGK | ENSG00000124357.12 | 4.551079864 | 4.913931649 | 4.517202934 |

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| TIMM9 | ENSG00000100575.13 | 4.767815611 | 4.413754329 | 5.167552534 |
| HBS1L | ENSG00000112339.14 | 5.178299163 | 5.622263074 | 4.457784189 |
| COG1 | ENSG00000166685.11 | 4.747277385 | 5.233716976 | 5.191693186 |
| ADGRA3 | ENSG00000152990.13 | 5.320339423 | 4.736123796 | 6.586881484 |
| NFKBIB | ENSG00000104825.16 | 5.093446541 | 4.870446873 | 4.834818275 |
| SNX30 | ENSG00000148158.16 | 5.030059332 | 5.877237041 | 5.27678065 |
| FITM2 | ENSG00000197296.5 | 4.230104051 | 4.599461401 | 5.071092212 |
| CTSF | ENSG00000174080.10 | 5.853500822 | 5.955025065 | 6.585053934 |
| SLC39A9 | ENSG00000029364.11 | 5.350439185 | 4.226486614 | 5.658039333 |
| ZCRB1 | ENSG00000139168.7 | 6.125308896 | 5.106576081 | 4.311697004 |
| SIN3A | ENSG00000169375.15 | 5.857135791 | 5.428160629 | 4.912149431 |
| NAA35 | ENSG00000135040.15 | 5.797546448 | 5.627726572 | 4.215923545 |
| SLC30A7 | ENSG00000162695.11 | 5.141001508 | 4.633380374 | 4.461720999 |
| MOB4 | ENSG00000115540.14 | 5.167305327 | 5.017788062 | 5.464883721 |
| POLD4 | ENSG00000175482.8 | 5.31107665 | 4.757116892 | 4.690736998 |
| DMXL2 | ENSG00000104093.13 | 4.546974888 | 6.310751228 | 6.521431062 |
| TRMT61B | ENSG00000171103.10 | 4.834715675 | 4.972038845 | 4.385871547 |
| BBS4 | ENSG00000140463.13 | 4.360788348 | 4.443082023 | 4.888763307 |
| RCBTB1 | ENSG00000136144.11 | 4.506020989 | 4.440652445 | 5.111777396 |
| DDX50 | ENSG00000107625.12 | 5.946215249 | 4.669198039 | 5.555965379 |
| GULP1 | ENSG00000144366.15 | 5.315008569 | 4.264275142 | 5.033995503 |
| RAD50 | ENSG00000113522.13 | 4.597624068 | 4.221884826 | 5.14598612 |
| EEF1A2 | ENSG00000101210.10 | 4.545859553 | 5.224726918 | 7.75752566 |
| MORC3 | ENSG00000159256.12 | 4.238549048 | 4.483648765 | 5.569887711 |
| CWC25 | ENSG00000273559.4 | 4.794658804 | 4.332088656 | 4.886765897 |
| VPS36 | ENSG00000136100.12 | 5.080863026 | 4.357808529 | 4.923470329 |
| CBLL1 | ENSG00000105879.11 | 4.391716026 | 5.327898504 | 4.552457909 |
| COMMD2 | ENSG00000114744.8 | 5.008091614 | 5.116254378 | 5.375147023 |
| GRWD1 | ENSG00000105447.12 | 5.825567795 | 4.991912984 | 4.253646498 |
| MKLN1 | ENSG00000128585.17 | 4.954660625 | 5.5580111 | 4.981108446 |
| SCLY | ENSG00000132330.16 | 4.928740103 | 5.850842075 | 4.408546577 |
| EHBP1L1 | ENSG00000173442.12 | 5.953378332 | 4.879986821 | 5.745205217 |
| NGDN | ENSG00000129460.15 | 5.666919256 | 4.384928184 | 4.597709155 |
| AMBRA1 | ENSG00000110497.14 | 4.887137739 | 4.903282086 | 5.586789178 |
| NHSL1 | ENSG00000135540.11 | 5.89658907 | 5.092392869 | 5.021549592 |
| DCAF1 | ENSG00000145041.15 | 5.305182666 | 4.907424111 | 4.227934862 |
| CHCHD7 | ENSG00000170791.17 | 5.127058294 | 5.231287318 | 4.462200109 |
| HEATR5B | ENSG00000008869.11 | 4.774403919 | 5.289043155 | 5.000085599 |
| LRRC45 | ENSG00000169683.7 | 4.33657433 | 4.449381688 | 4.884421384 |
| PHF19 | ENSG00000119403.13 | 7.183355106 | 6.021077775 | 4.465344689 |
| HOXC4 | ENSG00000198353.7 | 5.278149462 | 5.029720871 | 4.268205172 |
| ZNF654 | ENSG00000175105.6 | 4.490889531 | 4.870313345 | 4.403857849 |
| USP15 | ENSG00000135655.15 | 5.122171607 | 4.913296055 | 5.897656445 |
| PKD1 | ENSG00000008710.19 | 4.849760391 | 4.452137708 | 4.961688751 |
| ALKBH7 | ENSG00000125652.7 | 4.321721594 | 4.855956052 | 5.536317387 |
| SVIL | ENSG00000197321.14 | 6.500189496 | 4.426155049 | 5.459881324 |

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| THAP11 | ENSG00000168286.2 | 5.821035232 | 4.356765608 | 4.456397698 |
| TRAPPC4 | ENSG00000196655.11 | 5.802628848 | 4.611376674 | 5.184919849 |
| STRADB | ENSG00000082146.12 | 4.401387983 | 5.755246698 | 5.477491955 |
| CUL2 | ENSG00000108094.14 | 5.200651641 | 4.869318476 | 5.40912138 |
| CNOT7 | ENSG00000198791.11 | 5.307333901 | 4.282534761 | 5.573076213 |
| DCTN4 | ENSG00000132912.12 | 6.020820641 | 5.469598307 | 6.636916086 |
| EID2 | ENSG00000176396.10 | 5.148549084 | 5.239371576 | 4.31408734 |
| SCAF8 | ENSG00000213079.9 | 5.291475636 | 4.662758276 | 4.694543934 |
| NOC3L | ENSG00000173145.11 | 6.249815894 | 4.260225303 | 4.716173801 |
| KBTBD4 | ENSG00000123444.13 | 5.171800503 | 4.750647636 | 4.957870209 |
| LLGL1 | ENSG00000131899.10 | 5.18323275 | 4.236327202 | 4.511072014 |
| ETNK1 | ENSG00000139163.15 | 5.359318815 | 4.970442006 | 5.754708754 |
| MT1X | ENSG00000187193.8 | 5.261672416 | 5.186966195 | 4.308835542 |
| MTSS1L | ENSG00000132613.14 | 5.230616025 | 4.334057432 | 4.486395593 |
| RNF31 | ENSG00000092098.16 | 4.93899263 | 4.601119638 | 4.805677993 |
| PTBP3 | ENSG00000119314.15 | 5.965919364 | 6.362360464 | 5.350362731 |
| ODF2 | ENSG00000136811.16 | 6.302637639 | 5.899535672 | 4.280176776 |
| SYNJ2BP | ENSG00000213463.4 | 4.663733924 | 4.308125495 | 4.723988729 |
| DHX57 | ENSG00000163214.20 | 5.430899437 | 5.178541272 | 4.356155278 |
| MAVS | ENSG00000088888.17 | 5.592926146 | 5.730117404 | 4.30232231 |
| ZNF335 | ENSG00000198026.7 | 4.859547701 | 4.584428317 | 4.225401622 |
| SIPA1 | ENSG00000213445.9 | 4.496982921 | 4.751756386 | 5.56052833 |
| PMM1 | ENSG00000100417.11 | 4.351632314 | 5.561344056 | 5.514722113 |
| BCL7C | ENSG00000099385.11 | 5.33301345 | 4.270874169 | 4.897457072 |
| FASTKD5 | ENSG00000215251.3 | 5.626683543 | 5.788701865 | 4.262482172 |
| GOLGB1 | ENSG00000173230.15 | 5.313286514 | 5.512052901 | 5.464947121 |
| TOR1A | ENSG00000136827.11 | 6.626535142 | 6.072382248 | 4.252637344 |
| COG5 | ENSG00000164597.13 | 4.216785927 | 6.010838776 | 6.154462987 |
| RPS6KA1 | ENSG00000117676.13 | 5.819976578 | 5.166285404 | 4.713089463 |
| KLF3 | ENSG00000109787.12 | 4.691902792 | 4.725012127 | 5.494905549 |
| EPS15L1 | ENSG00000127527.13 | 5.570420011 | 5.867559954 | 5.306350192 |
| RNF111 | ENSG00000157450.15 | 4.665480141 | 4.923618301 | 5.074794741 |
| TNKS | ENSG00000173273.15 | 4.259682916 | 4.351893595 | 5.730860332 |
| MPDU1 | ENSG00000129255.15 | 5.931634913 | 4.486641479 | 5.150087139 |
| PXK | ENSG00000168297.15 | 4.64281057 | 5.258829516 | 5.93737392 |
| TTI1 | ENSG00000101407.12 | 5.429004328 | 4.808177532 | 4.905143213 |
| VRK3 | ENSG00000105053.10 | 5.07588218 | 4.991704728 | 5.407200632 |
| SNUPN | ENSG00000169371.13 | 5.246829578 | 4.723315945 | 4.50780092 |
| TMEM203 | ENSG00000187713.6 | 6.13958354 | 6.037183038 | 4.262940758 |
| WDR48 | ENSG00000114742.13 | 5.863105371 | 5.091819602 | 4.632332331 |
| CASP8 | ENSG00000064012.21 | 5.941953691 | 5.903702589 | 4.566642115 |
| TRNT1 | ENSG00000072756.16 | 5.208685381 | 5.260850954 | 4.253705898 |
| NPAS2 | ENSG00000170485.16 | 6.839535528 | 6.785414198 | 5.038488324 |
| CCDC88A | ENSG00000115355.15 | 5.026612346 | 5.796730166 | 4.333636965 |
| TRAPPC11 | ENSG00000168538.15 | 5.091698067 | 4.248222409 | 4.893387787 |
| ALS2 | ENSG00000003393.14 | 4.242372723 | 5.362393175 | 5.357799769 |

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| KNSTRN | ENSG00000128944.13 | 6.390748278 | 5.012459763 | 4.314133903 |
| AKAP10 | ENSG00000108599.14 | 5.024304229 | 4.239090823 | 4.650738358 |
| RHOT1 | ENSG00000126858.16 | 5.016052634 | 5.071374777 | 5.405684644 |
| TMEM19 | ENSG00000139291.13 | 4.46732146 | 4.404558562 | 4.408423577 |
| C1orf123 | ENSG00000162384.13 | 5.093758295 | 4.25018748 | 4.69718354 |
| RCC1 | ENSG00000180198.15 | 7.314305708 | 5.609487342 | 4.520172784 |
| RIT1 | ENSG00000143622.10 | 4.484066599 | 4.84480242 | 4.31736024 |
| QTRT2 | ENSG00000151576.10 | 4.665985841 | 4.920286502 | 4.26275565 |
| SP2 | ENSG00000167182.14 | 5.097275424 | 4.619608978 | 4.80245111 |
| TRIB1 | ENSG00000173334.3 | 5.598694351 | 5.661669273 | 7.322534095 |
| RPP21 | ENSG00000241370.5 | 4.703689169 | 4.640389526 | 4.944818231 |
| SNHG17 | ENSG00000196756.11 | 6.816981096 | 5.216361268 | 5.427267777 |
| MRPS26 | ENSG00000125901.5 | 7.018782382 | 5.704873848 | 4.274768755 |
| ZNF746 | ENSG00000181220.15 | 4.297256653 | 4.792645634 | 4.346322445 |
| BCL9 | ENSG00000116128.10 | 5.456217375 | 5.355879378 | 4.191964419 |
| RBFA | ENSG00000101546.12 | 4.697881935 | 4.9367846 | 4.633917944 |
| PPIG | ENSG00000138398.15 | 4.294975721 | 5.301147673 | 4.981134705 |
| ZNF644 | ENSG00000122482.20 | 4.895177129 | 4.643411115 | 4.257484169 |
| LZTR1 | ENSG00000099949.18 | 4.386782409 | 5.520366501 | 5.268450827 |
| NIPAL3 | ENSG00000001461.16 | 6.576489421 | 4.956707972 | 5.709296439 |
| NOL9 | ENSG00000162408.10 | 4.963496321 | 5.016855838 | 4.344720984 |
| ANKRD13A | ENSG00000076513.16 | 5.290845754 | 4.565185175 | 4.32962709 |
| TSPAN6 | ENSG00000000003.14 | 4.50957857 | 5.037265269 | 4.904988803 |
| GSDMD | ENSG00000104518.10 | 5.283294775 | 4.690528357 | 5.17195681 |
| COPZ2 | ENSG00000005243.9 | 4.884746444 | 4.454643135 | 4.845239583 |
| GLTP | ENSG00000139433.9 | 5.567110046 | 5.873705317 | 4.330252303 |
| RBM48 | ENSG00000127993.15 | 4.628669926 | 4.614090966 | 4.391832199 |
| PCCB | ENSG00000114054.13 | 4.892184873 | 5.420209919 | 5.609956993 |
| IFI27L2 | ENSG00000119632.3 | 5.400399798 | 6.140114528 | 4.301145493 |
| TOP3B | ENSG00000100038.19 | 4.238070335 | 5.07585207 | 4.585245945 |
| LRCH3 | ENSG00000186001.12 | 4.236504309 | 5.46808598 | 4.980647028 |
| GFER | ENSG00000127554.12 | 4.900109201 | 4.228176252 | 4.817034318 |
| C2orf74 | ENSG00000237651.6 | 4.448844927 | 4.82190204 | 5.038195599 |
| ALAD | ENSG00000148218.15 | 5.445184612 | 6.33915706 | 4.182795474 |
| IFT43 | ENSG00000119650.12 | 4.517975234 | 4.386504617 | 4.936625545 |
| COA7 | ENSG00000162377.5 | 5.721238888 | 4.693050361 | 4.181144992 |
| AACS | ENSG00000081760.16 | 5.044885545 | 4.798560183 | 5.487216434 |
| ACAD8 | ENSG00000151498.11 | 4.46210809 | 4.422687798 | 4.378820235 |
| SIRT7 | ENSG00000187531.13 | 4.479114802 | 4.787498127 | 5.125010621 |
| CWF19L1 | ENSG00000095485.17 | 5.664497929 | 4.719277487 | 4.727058162 |
| GGPS1 | ENSG00000152904.11 | 5.663303893 | 4.160126421 | 4.853568382 |
| MRPS18C | ENSG00000163319.10 | 4.989538091 | 4.678931758 | 4.277387342 |
| DPP8 | ENSG00000074603.18 | 5.041602689 | 4.968653415 | 4.644501333 |
| HMGCL | ENSG00000117305.14 | 4.20902951 | 5.40960458 | 4.656008233 |
| NBAS | ENSG00000151779.12 | 4.488289816 | 5.349902585 | 4.797976045 |
| FPGS | ENSG00000136877.14 | 5.640740025 | 5.818745824 | 4.288048385 |

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| CASP2 | ENSG00000106144.19 | 4.552522086 | 4.484285918 | 4.394064498 |
| PML | ENSG00000140464.19 | 5.259508896 | 5.237493388 | 4.361098936 |
| CHM | ENSG00000188419.13 | 4.696323815 | 5.139293764 | 5.092354746 |
| INTS5 | ENSG00000185085.2 | 5.441937854 | 4.254536588 | 4.417083283 |
| MYLIP | ENSG00000007944.14 | 4.533475658 | 5.36980184 | 5.073638734 |
| PGRMC2 | ENSG00000164040.16 | 4.792165384 | 5.726147526 | 5.546980685 |
| IQCB1 | ENSG00000173226.16 | 4.694005942 | 4.700997999 | 4.68480988 |
| PDK3 | ENSG00000067992.12 | 4.264826296 | 4.544938402 | 5.208180552 |
| FEZ2 | ENSG00000171055.14 | 4.728081063 | 4.991086823 | 4.516532203 |
| PSPH | ENSG00000146733.13 | 5.74308845 | 6.427205497 | 5.467440065 |
| LPCAT4 | ENSG00000176454.13 | 5.781910322 | 5.779747367 | 4.23702863 |
| C19orf12 | ENSG00000131943.17 | 4.961287983 | 6.256855006 | 5.501086567 |
| E2F6 | ENSG00000169016.16 | 4.765499476 | 4.48725276 | 4.332252177 |
| LSM12 | ENSG00000161654.9 | 5.893765024 | 5.490704149 | 5.20986487 |
| DDI2 | ENSG00000197312.11 | 4.864553223 | 5.357095099 | 4.358044031 |
| TMEM63A | ENSG00000196187.11 | 5.281778561 | 4.249405656 | 5.079575052 |
| RNF2 | ENSG00000121481.10 | 4.847282691 | 4.420047438 | 4.195846042 |
| VPS72 | ENSG00000163159.12 | 5.982099701 | 5.919614026 | 4.706026479 |
| CETN3 | ENSG00000153140.8 | 5.674553121 | 4.505753269 | 5.015877358 |
| THOC3 | ENSG00000051596.9 | 5.034029131 | 4.907140427 | 4.296807615 |
| XRCC2 | ENSG00000196584.2 | 4.911522875 | 4.233097518 | 4.316686936 |
| AKIRIN2 | ENSG00000135334.8 | 5.852850979 | 5.136124787 | 5.145249792 |
| NUDT15 | ENSG00000136159.3 | 5.926581903 | 4.652881866 | 4.197089944 |
| PARP2 | ENSG00000129484.13 | 5.238776119 | 4.341054856 | 4.228697425 |
| TMEM33 | ENSG00000109133.12 | 5.8228729 | 5.230983562 | 6.448150832 |
| PDE6D | ENSG00000156973.13 | 5.347695817 | 6.150529725 | 5.836586103 |
| DIS3L2 | ENSG00000144535.19 | 4.216466285 | 4.436476705 | 4.551832757 |
| C6orf120 | ENSG00000185127.6 | 4.944131229 | 4.831327904 | 4.559109754 |
| HAUS1 | ENSG00000152240.12 | 5.803546403 | 5.534514809 | 4.316426283 |
| NTHL1 | ENSG00000065057.7 | 5.649771494 | 4.713926062 | 4.261848423 |
| THOC1 | ENSG00000079134.11 | 5.044395347 | 5.125881275 | 4.343814089 |
| C2orf68 | ENSG00000168887.10 | 5.545498178 | 4.517687717 | 4.411954417 |
| POMT1 | ENSG00000130714.15 | 4.307151496 | 5.316812067 | 4.219855881 |
| NSD1 | ENSG00000165671.19 | 5.441973239 | 4.240163382 | 4.60997343 |
| WWP2 | ENSG00000198373.12 | 6.031217252 | 4.568413941 | 5.250947014 |
| STK16 | ENSG00000115661.13 | 4.283441772 | 4.674766423 | 4.83334733 |
| PIN4 | ENSG00000102309.12 | 5.262049929 | 5.169985813 | 4.227645095 |
| COG2 | ENSG00000135775.13 | 5.479267183 | 4.19701101 | 4.581065908 |
| BPGM | ENSG00000172331.11 | 4.202393364 | 5.706601625 | 5.114833602 |
| SDE2 | ENSG00000143751.9 | 5.689904477 | 4.194799694 | 4.357832228 |
| ATPAF1 | ENSG00000123472.12 | 4.905048351 | 4.352601268 | 4.656023339 |
| FBXL3 | ENSG00000005812.10 | 5.284585848 | 4.225346658 | 4.668129023 |
| NDUFAF7 | ENSG00000003509.15 | 5.44958972 | 5.179787439 | 4.414074653 |
| SBF2 | ENSG00000133812.15 | 4.442553145 | 5.31742537 | 5.631185479 |
| ACP2 | ENSG00000134575.9 | 5.145908156 | 4.559088398 | 4.721504999 |
| POLR3H | ENSG00000100413.16 | 5.297747931 | 4.65258808 | 4.775485157 |

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| GATC | ENSG00000257218.5 | 4.765497263 | 4.695772525 | 5.725238648 |
| NDUFAF1 | ENSG00000137806.8 | 5.694588678 | 4.787558011 | 5.202938895 |
| SNAP47 | ENSG00000143740.14 | 5.721852264 | 4.1931769 | 4.890031351 |
| BSDC1 | ENSG00000160058.18 | 5.173240543 | 5.20194011 | 4.987627222 |
| MED17 | ENSG00000042429.11 | 5.995821109 | 4.222139818 | 4.891104279 |
| SUPV3L1 | ENSG00000156502.13 | 5.404415314 | 4.886089319 | 4.964125857 |
| EED | ENSG00000074266.19 | 5.873258913 | 4.227304218 | 4.7026769 |
| INPP4B | ENSG00000109452.12 | 5.256556381 | 5.876059509 | 6.469754615 |
| WDR18 | ENSG00000065268.10 | 6.378714651 | 5.522271198 | 5.140594919 |
| PVT1 | ENSG00000249859.9 | 4.339660816 | 5.913787822 | 5.366882918 |
| SPPL2B | ENSG00000005206.16 | 4.721252212 | 5.645415086 | 4.312706754 |
| TUBG2 | ENSG00000037042.8 | 4.650520993 | 5.310642154 | 5.391407563 |
| SMIM4 | ENSG00000168273.7 | 4.945390949 | 6.038562356 | 4.418102489 |
| SNAP29 | ENSG00000099940.11 | 4.453386925 | 5.147778637 | 5.466634965 |
| MICAL1 | ENSG00000135596.17 | 4.220621884 | 8.061975875 | 6.509152693 |
| GPANK1 | ENSG00000204438.10 | 5.204402579 | 4.411418917 | 4.565569301 |
| SLC44A2 | ENSG00000129353.14 | 6.012839837 | 5.369424773 | 4.409656144 |
| WRB | ENSG00000182093.14 | 4.338257628 | 5.8264686 | 5.648066025 |
| WEE1 | ENSG00000166483.10 | 4.69052063 | 4.620806496 | 4.577190868 |
| C1GALT1C1 | ENSG00000171155.7 | 5.285789255 | 5.27340952 | 4.251404724 |
| ANAPC15 | ENSG00000110200.8 | 5.805959619 | 4.40478531 | 4.977512251 |
| CCNC | ENSG00000112237.12 | 5.464343255 | 5.406981528 | 5.209442388 |
| CLIP4 | ENSG00000115295.19 | 6.139465307 | 5.706970576 | 6.552515474 |
| AMFR | ENSG00000159461.14 | 5.37659891 | 5.051414366 | 6.634805628 |
| NEURL4 | ENSG00000215041.9 | 5.08048267 | 4.262028271 | 4.570626137 |
| S100A13 | ENSG00000189171.14 | 8.024241415 | 7.317125074 | 5.252540418 |
| NFKBIL1 | ENSG00000204498.10 | 4.877092366 | 4.624745858 | 5.344320265 |
| MCUR1 | ENSG00000050393.11 | 4.398569948 | 4.191216854 | 5.218019072 |
| YTHDC2 | ENSG00000047188.15 | 4.494993507 | 4.305693826 | 4.706347388 |
| ISG20L2 | ENSG00000143319.16 | 7.391829191 | 5.994491693 | 4.593689965 |
| TBCE | ENSG00000116957.12 | 6.371990176 | 4.187976565 | 5.030482157 |
| TXNL1 | ENSG00000091164.12 | 4.764969358 | 6.36091515 | 4.565610511 |
| NUDT2 | ENSG00000164978.17 | 4.610455791 | 4.586871406 | 4.269650549 |
| FAM53C | ENSG00000120709.10 | 5.648217148 | 4.870637117 | 4.796621285 |
| TYW1 | ENSG00000198874.12 | 4.316107032 | 4.953808756 | 4.641203618 |
| PUSL1 | ENSG00000169972.11 | 4.84356754 | 4.398357784 | 4.385916614 |
| SMAD4 | ENSG00000141646.13 | 4.556946353 | 5.133139496 | 4.215989697 |
| RPUSD1 | ENSG00000007376.7 | 5.469804326 | 4.815189284 | 4.488582505 |
| GOLT1B | ENSG00000111711.9 | 5.269312968 | 6.151000584 | 5.511186115 |
| RWDD3 | ENSG00000122481.16 | 4.214074023 | 4.442532366 | 4.489257247 |
| TUBGCP2 | ENSG00000130640.13 | 6.394062696 | 5.48069551 | 5.2474954 |
| LRCH1 | ENSG00000136141.14 | 4.119668547 | 4.427674917 | 4.685632766 |
| GGA3 | ENSG00000125447.16 | 4.527643568 | 4.290254674 | 4.891963301 |
| CDC73 | ENSG00000134371.10 | 5.371283859 | 4.727839827 | 4.623422659 |
| ATAD3B | ENSG00000160072.19 | 5.596894944 | 5.856507753 | 4.468668685 |
| ZBTB33 | ENSG00000177485.6 | 4.921413629 | 5.64324314 | 5.112988999 |

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| TMEM55A | ENSG00000155099.7 | 4.159542408 | 5.35766917 | 6.366754189 |
| MIIP | ENSG00000116691.10 | 4.575036374 | 4.913920812 | 4.795272053 |
| HDHD5 | ENSG00000069998.12 | 5.167267664 | 5.433295647 | 4.687864244 |
| TMEM55B | ENSG00000165782.10 | 4.329663655 | 4.297131682 | 5.001535947 |
| GNAQ | ENSG00000156052.10 | 5.401742517 | 5.254330907 | 5.388862671 |
| DDX11 | ENSG00000013573.16 | 5.520999257 | 4.868216228 | 4.180308102 |
| DNAJC1 | ENSG00000136770.10 | 4.541144881 | 4.699810236 | 4.795839661 |
| SNHG3 | ENSG00000242125.3 | 6.006168657 | 5.395186854 | 4.284808331 |
| ERGIC2 | ENSG00000087502.17 | 5.359883539 | 5.359066102 | 4.327557792 |
| HCFC1R1 | ENSG00000103145.10 | 5.519760181 | 5.235043064 | 4.597822502 |
| KIF11 | ENSG00000138160.5 | 6.910594518 | 4.217650399 | 4.229432997 |
| COQ4 | ENSG00000167113.10 | 6.223299337 | 6.07635896 | 4.263618572 |
| ZZEF1 | ENSG00000074755.14 | 4.618472601 | 4.15950641 | 4.438677517 |
| C16orf72 | ENSG00000182831.11 | 5.415242955 | 5.177109594 | 4.817238851 |
| DCAF12 | ENSG00000198876.12 | 6.110122958 | 4.493796069 | 4.407391122 |
| MAP3K20 | ENSG00000091436.16 | 4.254763633 | 5.018339653 | 5.681661252 |
| SELENOI | ENSG00000138018.17 | 5.788087648 | 4.928174675 | 4.143532331 |
| BID | ENSG00000015475.18 | 4.290707356 | 4.484557008 | 4.207829043 |
| MTG1 | ENSG00000148824.18 | 5.952325124 | 4.6379958 | 5.001232422 |
| SLC39A13 | ENSG00000165915.13 | 5.160149965 | 5.904815016 | 5.762603389 |
| PIGB | ENSG00000069943.9 | 4.212334939 | 5.246168247 | 4.60783189 |
| PITPNM1 | ENSG00000110697.12 | 5.241920977 | 4.755559352 | 4.543177218 |
| CCNK | ENSG00000090061.17 | 5.736713994 | 6.595452925 | 4.287320413 |
| CDC42EP3 | ENSG00000163171.7 | 6.042463374 | 4.608397619 | 5.47000411 |
| MINDY3 | ENSG00000148481.13 | 4.222665071 | 4.650734918 | 4.9860287 |
| MCRIP2 | ENSG00000172366.19 | 4.934190802 | 5.628560646 | 6.404919186 |
| HMMR | ENSG00000072571.19 | 6.121450341 | 4.306433554 | 4.676249108 |
| ZNF277 | ENSG00000198839.9 | 4.634430147 | 5.27692246 | 5.34709466 |
| PHACTR4 | ENSG00000204138.12 | 5.440071477 | 4.357587325 | 6.001492055 |
| KANSL1 | ENSG00000120071.13 | 4.652005689 | 4.755680847 | 5.548306385 |
| MED6 | ENSG00000133997.11 | 5.159300466 | 4.429442354 | 4.207819831 |
| GOSR2 | ENSG00000108433.16 | 4.478678438 | 4.706295201 | 4.855084906 |
| NOP9 | ENSG00000196943.12 | 4.405914893 | 4.17151784 | 4.149656545 |
| REV1 | ENSG00000135945.9 | 4.147337109 | 4.622970643 | 4.696418398 |
| NES | ENSG00000132688.10 | 8.017988093 | 4.747745458 | 5.925943228 |
| AKAP17A | ENSG00000197976.11 | 4.895329989 | 4.234364397 | 5.875562561 |
| TNKS1BP1 | ENSG00000149115.13 | 5.955680616 | 5.844258778 | 5.140447462 |
| BRI3BP | ENSG00000184992.10 | 5.441699743 | 4.362648357 | 5.039033932 |
| HACD2 | ENSG00000206527.9 | 5.442004391 | 4.466000373 | 4.457394548 |
| FNTB | ENSG00000257365.7 | 4.340536389 | 5.180127421 | 4.663105554 |
| ZFC3H1 | ENSG00000133858.15 | 5.486687629 | 4.536995133 | 4.577862478 |
| PCTP | ENSG00000141179.13 | 4.166215249 | 5.002529567 | 5.471512339 |
| GGCX | ENSG00000115486.11 | 4.782328877 | 5.389482543 | 4.193440389 |
| TMOD3 | ENSG00000138594.13 | 5.046838096 | 4.888059602 | 5.125639796 |
| DHX29 | ENSG00000067248.9 | 5.681077053 | 4.907150816 | 4.120882236 |
| NUP35 | ENSG00000163002.12 | 4.51807584 | 5.020655694 | 4.134134183 |

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| SLC12A2 | ENSG00000064651.13 | 5.638847848 | 4.613573927 | 4.420975535 |
| MED19 | ENSG00000156603.16 | 5.425381204 | 4.343610733 | 5.049878917 |
| GINM1 | ENSG00000055211.12 | 4.953729508 | 4.588511715 | 4.196257687 |
| ADPRHL2 | ENSG00000116863.10 | 5.525663221 | 4.660515601 | 4.68520566 |
| RTL6 | ENSG00000188636.3 | 5.092562156 | 4.365568833 | 4.465365695 |
| C20orf27 | ENSG00000101220.17 | 6.177863372 | 6.491115415 | 4.359143781 |
| ZNF3 | ENSG00000166526.16 | 4.5351562 | 5.123809955 | 4.170811147 |
| LRCH4 | ENSG00000077454.15 | 4.427983204 | 5.499466197 | 5.472915105 |
| C4orf48 | ENSG00000243449.6 | 5.626235078 | 4.910497725 | 7.146459931 |
| SNX11 | ENSG00000002919.14 | 4.801771805 | 5.118763399 | 5.388318866 |
| AC006001.3 | ENSG00000229180.6 | 4.706542893 | 5.537891727 | 4.208628861 |
| SETD1A | ENSG00000099381.17 | 5.29617565 | 4.547664152 | 4.259589071 |
| MPV17L2 | ENSG00000254858.9 | 5.29892961 | 5.568472246 | 4.162879276 |
| PSMD9 | ENSG00000110801.13 | 5.003102658 | 4.676985521 | 4.826633262 |
| DBF4B | ENSG00000161692.17 | 4.297754174 | 4.898366278 | 4.195916489 |
| VSIG10 | ENSG00000176834.13 | 5.025537158 | 4.959588849 | 5.128360628 |
| C3orf38 | ENSG00000179021.9 | 4.861116518 | 4.839319526 | 4.291617089 |
| SLC12A9 | ENSG00000146828.17 | 4.258504972 | 5.171864562 | 4.555616045 |
| LZTS1 | ENSG00000061337.15 | 4.722576491 | 5.891156865 | 6.126048366 |
| CANT1 | ENSG00000171302.16 | 5.118999612 | 6.102142241 | 5.883566358 |
| TAF6L | ENSG00000162227.7 | 5.144287179 | 4.18722871 | 4.648373356 |
| SMIM13 | ENSG00000224531.5 | 4.212921144 | 4.19027304 | 5.15302922 |
| ABI2 | ENSG00000138443.15 | 4.941045058 | 4.884047943 | 5.167731455 |
| PARP10 | ENSG00000178685.13 | 4.4474816 | 4.902312779 | 4.535965859 |
| TMEM223 | ENSG00000168569.7 | 5.568327162 | 4.581900207 | 4.119563957 |
| TP53BP2 | ENSG00000143514.16 | 5.354660193 | 4.248980514 | 4.410085385 |
| WDR90 | ENSG00000161996.18 | 5.029819572 | 4.13300436 | 4.552128387 |
| SLC35B2 | ENSG00000157593.18 | 4.238171865 | 4.906594296 | 4.592985301 |
| TNIP2 | ENSG00000168884.14 | 4.698898576 | 4.603537254 | 5.902984601 |
| VPS37B | ENSG00000139722.6 | 6.471376715 | 6.290716879 | 6.511436644 |
| SMC6 | ENSG00000163029.15 | 5.810792522 | 5.130972764 | 4.23317657 |
| CRNKL1 | ENSG00000101343.14 | 5.475358599 | 5.252712684 | 4.115651518 |
| DNAJB12 | ENSG00000148719.14 | 4.816025621 | 4.52324596 | 4.631579729 |
| SPOUT1 | ENSG00000198917.12 | 5.042834445 | 5.532506822 | 4.586949927 |
| MKNK2 | ENSG00000099875.14 | 5.335826697 | 5.897556368 | 5.58632358 |
| MICA | ENSG00000204520.12 | 4.580826631 | 5.559864295 | 4.151998297 |
| FDX2 | ENSG00000267673.6 | 5.121335487 | 4.37159418 | 4.677269548 |
| KLHL21 | ENSG00000162413.16 | 6.386916309 | 6.111071737 | 5.528741887 |
| PAN2 | ENSG00000135473.14 | 5.667884258 | 5.109698587 | 5.418752341 |
| NKIRAS2 | ENSG00000168256.17 | 5.69961653 | 4.864809209 | 5.025364832 |
| PLPPR2 | ENSG00000105520.10 | 5.585326759 | 5.170946533 | 4.180543736 |
| PEX13 | ENSG00000162928.8 | 4.396136307 | 4.724085736 | 4.476819747 |
| MITD1 | ENSG00000158411.11 | 4.218705025 | 5.467223673 | 4.600230875 |
| CISD2 | ENSG00000145354.9 | 4.434680325 | 4.453635672 | 4.584535381 |
| NFKB1 | ENSG00000109320.11 | 5.879529719 | 5.118198772 | 4.110596964 |
| BCOR | ENSG00000183337.16 | 5.527690617 | 4.290590041 | 4.334740835 |

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| METR1 | ENSG00000103260.8 | 5.313807273 | 4.227213983 | 4.803070716 |
| MED12 | ENSG00000184634.15 | 5.21396225 | 4.854958923 | 5.330047924 |
| SPTY2D1 | ENSG00000179119.14 | 4.457304906 | 4.874537517 | 4.476539829 |
| RAPGEF2 | ENSG00000109756.8 | 5.014583747 | 4.679685982 | 4.716630334 |
| SAT2 | ENSG00000141504.11 | 5.100909728 | 4.473003708 | 4.843548526 |
| STAG3L5P | ENSG00000242294.6 | 4.355677417 | 5.231896299 | 6.32019738 |
| DNAH14 | ENSG00000185842.15 | 5.794956084 | 4.356715653 | 5.251342186 |
| JADE2 | ENSG00000043143.20 | 5.767048513 | 5.029427102 | 6.783715557 |
| SNX18 | ENSG00000178996.13 | 4.236480969 | 4.967967626 | 4.126168088 |
| DNAJC9 | ENSG00000213551.4 | 4.862997977 | 4.284910806 | 4.213358601 |
| CRNDE | ENSG00000245694.9 | 5.676824313 | 4.419530774 | 6.413606874 |
| LIN7C | ENSG00000148943.11 | 4.693228492 | 4.754552869 | 4.608602286 |
| C17orf80 | ENSG00000141219.15 | 4.860056435 | 4.824273565 | 4.979802366 |
| SAR1A | ENSG00000079332.14 | 4.997513532 | 5.431483409 | 4.634003093 |
| HPS4 | ENSG00000100099.20 | 4.260858175 | 7.012881884 | 6.888074542 |
| RAP2A | ENSG00000125249.6 | 5.434430918 | 4.779393215 | 4.117665089 |
| PAN3 | ENSG00000152520.13 | 4.850195046 | 4.146075227 | 4.555708831 |
| CFDP1 | ENSG00000153774.8 | 5.943601182 | 4.964879495 | 6.110947089 |
| NR3C1 | ENSG00000113580.14 | 4.84168914 | 4.153705301 | 5.223186297 |
| SNHG19 | ENSG00000260260.1 | 6.545497829 | 4.225034957 | 5.069311553 |
| PHF14 | ENSG00000106443.15 | 5.765574062 | 5.518050286 | 4.758583954 |
| CHUK | ENSG00000213341.10 | 5.782582956 | 4.554965582 | 4.450936562 |
| WDTC1 | ENSG00000142784.15 | 5.032701134 | 4.677160906 | 5.490476709 |
| KIF20A | ENSG00000112984.11 | 6.754117544 | 4.171038629 | 4.235727608 |
| SWI5 | ENSG00000175854.11 | 5.201283303 | 6.018173986 | 5.037631711 |
| UPF3B | ENSG00000125351.11 | 5.046652598 | 4.621070413 | 4.58092376 |
| RIOK1 | ENSG00000124784.8 | 5.582649451 | 4.529059373 | 4.174175321 |
| MRPS23 | ENSG00000181610.12 | 5.469105915 | 4.745638921 | 5.023182798 |
| TM2D3 | ENSG00000184277.12 | 5.125173402 | 5.108824087 | 4.274029834 |
| RPRD1A | ENSG00000141425.17 | 5.124195201 | 5.816905905 | 4.337424592 |
| CLN3 | ENSG00000188603.18 | 4.499395889 | 4.565043298 | 4.716129703 |
| ACOX1 | ENSG00000161533.11 | 4.437552886 | 4.474636886 | 5.228452226 |
| TPD52 | ENSG00000076554.15 | 5.483925367 | 5.788806521 | 7.000139178 |
| XPC | ENSG00000154767.14 | 5.488537071 | 5.693266849 | 4.429594088 |
| RPUSD4 | ENSG00000165526.8 | 4.96219146 | 4.14170092 | 4.57346446 |
| DDX52 | ENSG00000278053.4 | 4.736860271 | 4.251246568 | 4.861114819 |
| WIZ | ENSG00000011451.17 | 5.93367943 | 5.491566128 | 5.311874698 |
| C16orf91 | ENSG00000174109.4 | 6.120642519 | 4.617381626 | 4.15120631 |
| KCTD2 | ENSG00000180901.10 | 4.443562328 | 4.126311224 | 5.139546474 |
| ATXN7L3B | ENSG00000253719.3 | 5.87321176 | 4.529361974 | 6.053895182 |
| RBM12B | ENSG00000183808.11 | 4.820456073 | 4.319593097 | 4.525632225 |
| TRIOBP | ENSG00000100106.19 | 5.632082553 | 4.583782234 | 4.504112621 |
| ZNF609 | ENSG00000180357.9 | 5.598910455 | 5.537265266 | 5.667986258 |
| NUP133 | ENSG00000069248.11 | 5.851009087 | 4.31864307 | 4.125589732 |
| ALDH1B1 | ENSG00000137124.7 | 5.061269451 | 6.027062608 | 4.375506474 |
| RNF19A | ENSG00000034677.12 | 4.098907804 | 6.002116299 | 5.276735672 |

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| CHMP6 | ENSG00000176108.9 | 4.993172119 | 4.934600456 | 5.178176674 |
| MTA3 | ENSG00000057935.13 | 4.812901337 | 4.981568116 | 4.316279219 |
| MRPL43 | ENSG00000055950.16 | 5.529785497 | 4.748943675 | 5.178183351 |
| TOM1 | ENSG00000100284.20 | 4.113548412 | 6.43701345 | 5.744054945 |
| LINC01184 | ENSG00000245937.7 | 5.107812472 | 4.188961517 | 5.07833911 |
| CCDC97 | ENSG00000142039.3 | 5.320926003 | 5.131449547 | 4.748730668 |
| TGFBRAP1 | ENSG00000135966.12 | 4.131130196 | 5.658084991 | 5.712944138 |
| DHX34 | ENSG00000134815.18 | 4.903428058 | 4.229787775 | 4.280214534 |
| PVR | ENSG00000073008.14 | 5.620815713 | 4.770809952 | 4.364550949 |
| SLC38A7 | ENSG00000103042.8 | 4.23521051 | 4.809901289 | 4.197191805 |
| WASHC3 | ENSG00000120860.10 | 5.037229713 | 5.640854574 | 4.349505507 |
| ANAPC2 | ENSG00000176248.8 | 5.253761755 | 6.089660153 | 4.157468617 |
| SOS2 | ENSG00000100485.11 | 4.124231909 | 4.398203183 | 5.195991045 |
| MIGA1 | ENSG00000180488.14 | 4.664810982 | 4.439950683 | 4.517090209 |
| DGCR8 | ENSG00000128191.15 | 4.491455591 | 4.514338027 | 4.23315958 |
| RAP1A | ENSG00000116473.14 | 5.39608262 | 4.419350981 | 4.452017823 |
| HDAC8 | ENSG00000147099.19 | 5.299216527 | 5.320613069 | 5.222858229 |
| MUT | ENSG00000146085.7 | 4.071605274 | 4.973255115 | 5.167503604 |
| ENG | ENSG00000106991.13 | 6.331209715 | 6.067516228 | 4.1031926 |
| GTF2A1 | ENSG00000165417.11 | 5.122184381 | 4.073032935 | 5.699461263 |
| CSRNP2 | ENSG00000110925.6 | 4.653454712 | 4.386462944 | 4.561875119 |
| APPBP2 | ENSG00000062725.9 | 4.173829612 | 4.483738371 | 4.33016563 |
| UVRAG | ENSG00000198382.8 | 4.890583046 | 4.218163675 | 4.404399768 |
| MBD4 | ENSG00000129071.9 | 4.888024372 | 4.863625457 | 4.180324052 |
| TYRO3 | ENSG00000092445.11 | 4.466294566 | 5.211368372 | 4.242079635 |
| FAM193B | ENSG00000146067.15 | 4.689141522 | 4.506112257 | 4.622463725 |
| EXOC2 | ENSG00000112685.13 | 4.192454485 | 4.581611744 | 5.13428838 |
| FAM120AOS | ENSG00000188938.15 | 4.964353978 | 5.300492931 | 4.461448463 |
| B4GALT7 | ENSG00000027847.13 | 4.301265969 | 4.575660915 | 4.320598851 |
| LTN1 | ENSG00000198862.13 | 4.707562339 | 4.221853284 | 4.516603544 |
| TBC1D5 | ENSG00000131374.14 | 5.089675898 | 5.052275709 | 5.217911979 |
| SDF2 | ENSG00000132581.9 | 5.553610327 | 5.731564561 | 5.359236895 |
| TMEM243 | ENSG00000135185.11 | 4.9774911 | 5.511826935 | 4.130397583 |
| FCF1 | ENSG00000119616.11 | 5.324268977 | 4.538138979 | 4.434794561 |
| SNX27 | ENSG00000143376.12 | 5.515321134 | 5.112353582 | 4.417704121 |
| KLHL5 | ENSG00000109790.16 | 5.01599736 | 4.315261998 | 8.390980183 |
| EEF1A1P5 | ENSG00000196205.8 | 5.808431217 | 4.535918695 | 4.781716339 |
| RBM18 | ENSG00000119446.13 | 4.34721989 | 5.115957847 | 4.699624474 |
| DDIT3 | ENSG00000175197.11 | 4.912019816 | 4.427897499 | 9.106009548 |
| PELO | ENSG00000152684.10 | 5.30779558 | 4.55715948 | 4.091692679 |
| DMAP1 | ENSG00000178028.13 | 4.507572249 | 4.608643811 | 4.498710702 |
| BDH2 | ENSG00000164039.14 | 4.100430587 | 5.016944859 | 4.628602631 |
| PPIL3 | ENSG00000240344.8 | 4.548469036 | 4.29866187 | 4.670016615 |
| BCL9L | ENSG00000186174.12 | 5.633041057 | 4.385576951 | 5.97419552 |
| MAP4K3 | ENSG00000011566.14 | 4.22915947 | 5.34736531 | 4.919135656 |
| SLC25A28 | ENSG00000155287.10 | 4.576196409 | 4.089893735 | 4.469378542 |

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| MAPRE3 | ENSG00000084764.10 | 4.900549 | 4.591576431 | 4.732019924 |
| CHCHD4 | ENSG00000163528.12 | 5.606467273 | 5.362634348 | 4.227607346 |
| CCNDBP1 | ENSG00000166946.13 | 5.010358609 | 5.692928067 | 5.59351102 |
| AC005154.1 | ENSG00000196295.11 | 4.09642419 | 5.140101304 | 4.959707023 |
| KANSL2 | ENSG00000139620.12 | 4.52523928 | 4.34619405 | 4.238736455 |
| SECISBP2 | ENSG00000187742.14 | 5.166038866 | 5.237326171 | 4.852574059 |
| ASB8 | ENSG00000177981.10 | 4.9156469 | 4.294040376 | 5.031392207 |
| WDR12 | ENSG00000138442.9 | 4.671533425 | 5.117326299 | 4.171299503 |
| DCAF11 | ENSG00000100897.17 | 5.099466901 | 4.577403533 | 5.614318062 |
| CHSY1 | ENSG00000131873.5 | 6.653828477 | 5.673285969 | 4.129906084 |
| ZNF692 | ENSG00000171163.15 | 5.351944426 | 5.257998706 | 4.827353599 |
| AFG3L1P | ENSG00000223959.8 | 4.472329918 | 4.566701433 | 4.193333045 |
| DHTKD1 | ENSG00000181192.11 | 5.17978176 | 4.256263504 | 4.464062863 |
| PSMG4 | ENSG00000180822.11 | 4.734872836 | 5.079351111 | 4.545192033 |
| HELZ | ENSG00000198265.11 | 4.813998487 | 5.044807121 | 5.323578047 |
| P3H4 | ENSG00000141696.12 | 5.17522006 | 5.176053729 | 4.415157636 |
| RNF219 | ENSG00000152193.7 | 5.013613562 | 4.106022939 | 4.168933803 |
| PCMTD1 | ENSG00000168300.13 | 4.441107581 | 4.466314827 | 5.148706938 |
| FOXN2 | ENSG00000170802.15 | 4.413374813 | 5.331614763 | 4.062399193 |
| CHST14 | ENSG00000169105.7 | 5.389452453 | 4.978274555 | 4.115269663 |
| RPS27L | ENSG00000185088.13 | 5.486167247 | 6.030587472 | 6.312796992 |
| RASSF8 | ENSG00000123094.15 | 7.123525923 | 5.415347556 | 5.698650512 |
| C17orf58 | ENSG00000186665.9 | 4.719789366 | 4.477592377 | 5.076570644 |
| PIGH | ENSG00000100564.8 | 4.245859905 | 5.137633707 | 5.395491809 |
| CLASP2 | ENSG00000163539.16 | 5.271751334 | 5.17553087 | 5.234578187 |
| AVPI1 | ENSG00000119986.6 | 6.006978352 | 7.138589434 | 4.984030277 |
| RNF4 | ENSG00000063978.15 | 4.302856954 | 4.517398646 | 6.168851493 |
| MYSM1 | ENSG00000162601.9 | 5.200955679 | 4.854402042 | 4.173618523 |
| SRFBP1 | ENSG00000151304.5 | 4.397615891 | 4.227388508 | 4.722869266 |
| CCDC9 | ENSG00000105321.12 | 4.494751416 | 4.169907592 | 4.955542912 |
| ANKRD27 | ENSG00000105186.15 | 4.982702778 | 5.557037706 | 5.409231927 |
| TBC1D20 | ENSG00000125875.13 | 4.656614272 | 5.128981437 | 4.3203997 |
| ARPIN | ENSG00000242498.7 | 4.555848238 | 4.075804817 | 4.496692972 |
| VOPP1 | ENSG00000154978.12 | 4.341618383 | 5.531694553 | 4.168222308 |
| PPTC7 | ENSG00000196850.5 | 5.281208309 | 4.687189399 | 4.927669217 |
| CDR2 | ENSG00000140743.7 | 4.991046998 | 5.341734238 | 4.076446864 |
| FAM53B | ENSG00000189319.13 | 4.06394789 | 5.415466225 | 5.19866866 |
| KRR1 | ENSG00000111615.13 | 5.079308919 | 4.526047127 | 5.594785101 |
| GPATCH8 | ENSG00000186566.12 | 5.141436987 | 5.358008888 | 5.657119828 |
| GMFB | ENSG00000197045.12 | 5.867189807 | 5.488309676 | 5.616573958 |
| FRG1BP | ENSG00000149531.15 | 4.910252266 | 5.033409681 | 6.046878854 |
| POLR3E | ENSG00000058600.15 | 5.81028949 | 4.906598218 | 5.054022089 |
| TAF1B | ENSG00000115750.16 | 5.099845779 | 4.320767416 | 4.232066465 |
| ABT1 | ENSG00000146109.4 | 4.633844715 | 4.554504604 | 4.331178347 |
| ZNF451 | ENSG00000112200.16 | 4.479922713 | 4.878270209 | 4.236398958 |
| GORASP1 | ENSG00000114745.13 | 4.762837881 | 5.17777973 | 4.403324747 |

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| GCC2 | ENSG00000135968.20 | 4.583217188 | 4.906037186 | 4.57271479 |
| SNRNP35 | ENSG00000184209.14 | 4.856290958 | 4.553262401 | 5.790195123 |
| VAMP7 | ENSG00000124333.15 | 4.878938583 | 5.049922956 | 4.930337677 |
| NRN1 | ENSG00000124785.8 | 4.310530857 | 5.123057243 | 5.809775029 |
| DCAF16 | ENSG00000163257.10 | 6.298233183 | 4.559260257 | 7.16173917 |
| POMGNT2 | ENSG00000144647.5 | 4.474553853 | 4.904575339 | 4.10276745 |
| SMYD2 | ENSG00000143499.13 | 5.50546763 | 4.643963614 | 4.558514305 |
| CDK9 | ENSG00000136807.13 | 6.303203455 | 6.209414591 | 4.104346934 |
| CSTF2T | ENSG00000177613.8 | 4.8578163 | 4.60043358 | 4.348782915 |
| CHMP7 | ENSG00000147457.13 | 4.779974721 | 4.237250976 | 4.299869132 |
| AVL9 | ENSG00000105778.18 | 4.649231738 | 4.905350574 | 4.407913791 |
| UBTD1 | ENSG00000165886.4 | 4.702198739 | 4.6742715 | 5.346708954 |
| TSKU | ENSG00000182704.7 | 4.71306834 | 5.635457176 | 7.053335173 |
| WBP1 | ENSG00000239779.6 | 5.581084569 | 6.097418395 | 4.379169853 |
| GCFC2 | ENSG00000005436.13 | 4.907501374 | 4.103172551 | 4.382616821 |
| COQ8B | ENSG00000123815.11 | 5.270919059 | 5.166623359 | 4.911518537 |
| ABHD17A | ENSG00000129968.15 | 4.615180157 | 4.765404965 | 5.432347194 |
| MELK | ENSG00000165304.7 | 6.651864724 | 5.233710301 | 4.1649712 |
| GGA2 | ENSG00000103365.15 | 5.014603483 | 5.395971471 | 5.912510133 |
| R3HCC1 | ENSG00000104679.10 | 4.727649114 | 4.476503721 | 4.992652799 |
| MKL1 | ENSG00000196588.14 | 4.137318277 | 4.391466599 | 4.97612073 |
| HDAC2 | ENSG00000196591.11 | 6.23792069 | 5.564803613 | 4.632636929 |
| ZBTB17 | ENSG00000116809.11 | 4.944992452 | 5.121688775 | 5.036435583 |
| NCKIPSD | ENSG00000213672.7 | 4.939446228 | 4.466742306 | 4.120129608 |
| ALG9 | ENSG00000086848.14 | 4.50127213 | 4.144209391 | 5.409838469 |
| TRMT6 | ENSG00000089195.14 | 6.318459288 | 5.93489148 | 4.264935795 |
| SSBP3 | ENSG00000157216.15 | 5.396037529 | 5.013913987 | 4.137366432 |
| GPRIN1 | ENSG00000169258.6 | 4.047861319 | 4.408792467 | 5.55023599 |
| GABPB1 | ENSG00000104064.16 | 4.983087362 | 4.517080138 | 4.544155022 |
| GMCL1 | ENSG00000087338.4 | 4.994752993 | 4.702044035 | 4.042117983 |
| PGS1 | ENSG00000087157.18 | 4.601574209 | 4.654005143 | 4.964586553 |
| MORC2 | ENSG00000133422.12 | 4.707204183 | 4.433057575 | 4.805377608 |
| ZEB2 | ENSG00000169554.18 | 4.633101928 | 7.206199615 | 5.820870645 |
| TXNRD2 | ENSG00000184470.20 | 4.601499228 | 4.387320316 | 4.815305004 |
| CNOT8 | ENSG00000155508.13 | 5.911308438 | 4.139852504 | 5.236331211 |
| USP40 | ENSG00000085982.13 | 4.161020997 | 5.558153455 | 5.083732774 |
| ZCCHC8 | ENSG00000033030.13 | 5.219278015 | 4.578839569 | 5.487944394 |
| EPHB4 | ENSG00000196411.9 | 5.173687611 | 5.824547018 | 4.152852453 |
| OTUD7B | ENSG00000264522.5 | 5.008089548 | 5.113627649 | 4.132966292 |
| TAB1 | ENSG00000100324.13 | 4.711370972 | 4.336133246 | 4.50902077 |
| ANAPC16 | ENSG00000166295.8 | 5.01057968 | 4.350301918 | 5.611335336 |
| POT1 | ENSG00000128513.14 | 4.525542114 | 4.158294544 | 4.865059837 |
| ASXL2 | ENSG00000143970.16 | 4.899824383 | 4.762536389 | 4.039139905 |
| AC135050.6 | ENSG00000278133.1 | 4.452992714 | 4.293730617 | 5.415956421 |
| NINJ1 | ENSG00000131669.9 | 4.340299007 | 7.021008756 | 6.085917932 |
| DPH2 | ENSG00000132768.13 | 5.875735982 | 5.390639065 | 4.335235442 |

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| USP53 | ENSG00000145390.11 | 6.102318601 | 5.594073951 | 4.281789765 |
| CRTC3 | ENSG00000140577.15 | 4.180970046 | 5.392141549 | 4.946942533 |
| NOL6 | ENSG00000165271.16 | 7.048118382 | 5.405296722 | 4.038994571 |
| PUS7 | ENSG00000091127.13 | 5.610276443 | 5.355052553 | 4.153482015 |
| NPEPL1 | ENSG00000215440.11 | 4.395361293 | 4.797907299 | 4.572832545 |
| VPS37C | ENSG00000167987.10 | 4.939628983 | 4.15850182 | 5.154445256 |
| DMWD | ENSG00000185800.11 | 5.511995362 | 4.393748085 | 5.279796172 |
| C7orf26 | ENSG00000146576.12 | 4.739794496 | 5.230371127 | 4.895688081 |
| RUFY1 | ENSG00000176783.14 | 5.136463174 | 4.175646455 | 4.51146404 |
| DLGAP5 | ENSG00000126787.12 | 5.927893016 | 4.567743994 | 4.060405828 |
| AIFM2 | ENSG00000042286.14 | 4.135932453 | 4.305439566 | 6.2872468 |
| SLC25A12 | ENSG00000115840.13 | 4.15969737 | 4.798976883 | 5.151896414 |
| GHDC | ENSG00000167925.15 | 4.31136846 | 4.928434838 | 5.199690379 |
| RNF44 | ENSG00000146083.11 | 5.769759066 | 5.038936736 | 5.720814483 |
| PCLAF | ENSG00000166803.11 | 6.53672497 | 4.389533942 | 4.108941259 |
| WDR36 | ENSG00000134987.11 | 5.137941342 | 4.219460682 | 4.169694636 |
| RNF139 | ENSG00000170881.4 | 5.344891972 | 4.741916212 | 5.232682011 |
| RABGEF1 | ENSG00000154710.16 | 5.151606034 | 5.140342262 | 4.409900998 |
| NUDCD3 | ENSG00000015676.17 | 4.735352731 | 4.748154624 | 4.633706731 |
| RAB9A | ENSG00000123595.7 | 4.387721668 | 4.761645974 | 4.906652636 |
| RSBN1L | ENSG00000187257.15 | 4.265060874 | 4.280517351 | 4.144377875 |
| ITSN1 | ENSG00000205726.14 | 4.349027865 | 4.087551405 | 5.0388635 |
| AC245060.4 | ENSG00000272779.1 | 4.109252697 | 4.595147213 | 4.999551842 |
| TM2D2 | ENSG00000169490.16 | 4.254711755 | 4.545951947 | 4.28225452 |
| RRP12 | ENSG00000052749.13 | 6.853044481 | 4.902385124 | 4.741457319 |
| LCLAT1 | ENSG00000172954.13 | 4.319344085 | 4.560899611 | 4.922345559 |
| ZNF317 | ENSG00000130803.14 | 4.251338262 | 4.811918315 | 4.513829865 |
| GEMIN7 | ENSG00000142252.10 | 5.408250507 | 4.456853229 | 4.254447571 |
| CNTROB | ENSG00000170037.13 | 5.131917317 | 4.191019153 | 4.380427005 |
| MOAP1 | ENSG00000165943.4 | 4.712907268 | 5.437851619 | 4.70276222 |
| PRPF38B | ENSG00000134186.11 | 5.030776076 | 5.202197412 | 4.264667002 |
| CDC45 | ENSG00000093009.9 | 5.592903933 | 4.950789243 | 4.104512369 |
| BTBD10 | ENSG00000148925.10 | 4.01648043 | 4.838618934 | 5.178780353 |
| IFT20 | ENSG00000109083.13 | 5.628730455 | 5.333987933 | 5.275761917 |
| CCM2 | ENSG00000136280.15 | 4.063460667 | 5.630665676 | 4.439521868 |
| CES2 | ENSG00000172831.11 | 4.492752052 | 4.184838543 | 4.69966115 |
| BIVM | ENSG00000134897.13 | 5.11684523 | 4.068297591 | 4.876613415 |
| UGGT2 | ENSG00000102595.19 | 4.895887149 | 4.525979966 | 4.075619866 |
| ARID5B | ENSG00000150347.14 | 4.029719896 | 4.210978543 | 5.629967285 |
| FDX1 | ENSG00000137714.2 | 4.032283767 | 4.618219823 | 4.815827535 |
| NUP214 | ENSG00000126883.16 | 5.659662768 | 5.670818227 | 4.094195548 |
| RABEPK | ENSG00000136933.16 | 5.64480084 | 5.912596371 | 4.097945752 |
| ZBTB11 | ENSG00000066422.4 | 4.632120529 | 4.437333229 | 4.091157172 |
| FEM1C | ENSG00000145780.7 | 4.420452329 | 4.057194466 | 4.197724662 |
| VEZT | ENSG00000028203.17 | 5.227086843 | 4.798688483 | 4.14198565 |
| RHBDF1 | ENSG00000007384.15 | 5.839687182 | 5.073517112 | 5.36156494 |

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| UBFD1 | ENSG00000103353.15 | 5.848649151 | 5.293691036 | 4.81113324 |
| SLC25A40 | ENSG00000075303.12 | 4.236035871 | 4.180871405 | 6.050393054 |
| HLA-H | ENSG00000206341.7 | 5.237110573 | 5.17683504 | 5.293783188 |
| CCDC32 | ENSG00000128891.15 | 4.382521725 | 4.138285619 | 4.148851934 |
| PI4K2A | ENSG00000155252.13 | 5.670683822 | 4.437355038 | 5.829565025 |
| SH3PXD2B | ENSG00000174705.12 | 4.817055918 | 6.657807994 | 4.054474601 |
| BIRC5 | ENSG00000089685.14 | 4.96041107 | 4.31012658 | 4.276488209 |
| MCM2 | ENSG00000073111.13 | 7.130561541 | 4.108604005 | 5.474633266 |
| CHURC1 | ENSG00000258289.8 | 4.171599871 | 4.508933305 | 4.417539706 |
| RPRD1B | ENSG00000101413.11 | 4.931418301 | 4.34940204 | 4.538551602 |
| ARL14EP | ENSG00000152219.4 | 4.547530372 | 4.854233644 | 5.918302208 |
| ELP1 | ENSG00000070061.14 | 5.336404619 | 5.409486926 | 4.06188581 |
| TMEM87B | ENSG00000153214.9 | 4.06788439 | 5.566350248 | 6.080663027 |
| FMR1 | ENSG00000102081.13 | 5.187387576 | 4.649662673 | 5.265645703 |
| C16orf52 | ENSG00000185716.11 | 7.374815475 | 4.502620432 | 5.081962525 |
| RAB2B | ENSG00000129472.13 | 4.149729899 | 4.234859104 | 5.096595543 |
| SUZ12P1 | ENSG00000264538.6 | 4.398437723 | 4.430886319 | 4.693959574 |
| SMIM29 | ENSG00000186577.12 | 4.201197735 | 4.442656472 | 4.707645621 |
| CDT1 | ENSG00000167513.8 | 5.602864611 | 4.084330527 | 5.220374845 |
| CSRP2 | ENSG00000175183.9 | 5.638384866 | 4.226661311 | 4.399490988 |
| RAB24 | ENSG00000169228.13 | 4.811809587 | 4.398030957 | 4.740632956 |
| LRP8 | ENSG00000157193.15 | 6.10919072 | 5.119397043 | 4.061093773 |
| VAPB | ENSG00000124164.15 | 4.543074622 | 4.577944404 | 4.692468432 |
| CNOT6 | ENSG00000113300.11 | 4.892944939 | 4.040364333 | 4.909120295 |
| KAT7 | ENSG00000136504.11 | 4.866673393 | 4.596274573 | 5.53879335 |
| DOCK9 | ENSG00000088387.18 | 4.07983011 | 5.243917924 | 6.618290764 |
| URB1 | ENSG00000142207.6 | 4.917480411 | 4.837370245 | 4.625930126 |
| MTX3 | ENSG00000177034.14 | 5.229609934 | 4.235594079 | 4.443647718 |
| CDS2 | ENSG00000101290.13 | 4.056027449 | 5.518181092 | 4.674885761 |
| FRMD8 | ENSG00000126391.13 | 5.108674135 | 4.567247923 | 5.429924645 |
| NRM | ENSG00000137404.14 | 4.876552224 | 4.113515799 | 4.287583972 |
| ZZZ3 | ENSG00000036549.12 | 5.121682266 | 4.087910387 | 5.596215678 |
| TESK1 | ENSG00000107140.15 | 4.497458082 | 4.080047053 | 4.527961699 |
| STAG1 | ENSG00000118007.12 | 5.515884576 | 4.61860179 | 4.086388002 |
| TRAF4 | ENSG00000076604.14 | 5.819336782 | 6.146271856 | 6.93299454 |
| EIF2B2 | ENSG00000119718.10 | 5.070673517 | 4.462845607 | 4.633837012 |
| TMEM98 | ENSG00000006042.11 | 4.253244775 | 6.222402898 | 5.759904835 |
| TRAM2 | ENSG00000065308.4 | 5.890903631 | 4.626772627 | 4.016608607 |
| RHOQ | ENSG00000119729.11 | 4.715140074 | 7.324600838 | 7.623709245 |
| DERL2 | ENSG00000072849.10 | 5.359698601 | 4.107242077 | 4.778332279 |
| RMND5B | ENSG00000145916.18 | 5.116393975 | 4.210721689 | 4.53650629 |
| RGS3 | ENSG00000138835.22 | 4.20491423 | 4.792296015 | 4.460315729 |
| MOSPD2 | ENSG00000130150.11 | 4.681977926 | 4.498050591 | 4.025730156 |
| NOL8 | ENSG00000198000.11 | 5.947939982 | 5.922745307 | 4.190629753 |
| FAM8A1 | ENSG00000137414.5 | 4.299546215 | 4.980801554 | 5.505320943 |
| INPP5K | ENSG00000132376.19 | 5.347471126 | 4.646991554 | 4.453896626 |

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| MSH3 | ENSG00000113318.9 | 5.092451848 | 4.301867993 | 5.019398878 |
| CHAF1B | ENSG00000159259.7 | 4.360566855 | 4.012259373 | 4.191025125 |
| POLE | ENSG00000177084.16 | 5.433847748 | 4.69510791 | 4.03833133 |
| RPS6KB1 | ENSG00000108443.13 | 4.665449838 | 4.291848194 | 5.227163525 |
| DCAF15 | ENSG00000132017.10 | 5.68750475 | 5.186341205 | 4.733088817 |
| CCDC130 | ENSG00000104957.13 | 5.164173383 | 5.358304285 | 5.015055807 |
| MCM8 | ENSG00000125885.13 | 6.064366887 | 5.148573812 | 4.051256866 |
| BLCAP | ENSG00000166619.12 | 5.421831949 | 5.58480667 | 5.529765624 |
| MAGOHB | ENSG00000111196.9 | 5.282777527 | 4.191045004 | 5.368544045 |
| ELP5 | ENSG00000170291.14 | 6.449230641 | 4.308721126 | 5.254474395 |
| GPAT3 | ENSG00000138678.10 | 6.755663443 | 4.54134478 | 4.07633718 |
| INPP5B | ENSG00000204084.12 | 4.250973884 | 4.396774024 | 4.268186008 |
| SLC15A4 | ENSG00000139370.11 | 4.615780274 | 4.906629808 | 6.602160633 |
| FAM3A | ENSG00000071889.16 | 5.024566485 | 5.269180859 | 5.090793891 |
| LIG3 | ENSG00000005156.11 | 4.800793811 | 4.966234344 | 4.863179834 |
| NECTIN3 | ENSG00000177707.10 | 4.846578214 | 4.737314814 | 4.134292094 |
| B4GALT4 | ENSG00000121578.12 | 4.140021506 | 5.193010581 | 4.687188173 |
| HEATR5A | ENSG00000129493.14 | 4.098630687 | 4.89052062 | 4.797944287 |
| CCND3 | ENSG00000112576.12 | 5.789282125 | 5.351855128 | 4.475246644 |
| DR1 | ENSG00000117505.12 | 4.527296532 | 4.125391088 | 4.239442847 |
| LAMB1 | ENSG00000091136.13 | 8.261647109 | 7.63429071 | 4.108761646 |
| PAM16 | ENSG00000217930.7 | 5.817154373 | 5.191888662 | 5.695363824 |
| BUB1B | ENSG00000156970.12 | 5.710368446 | 4.93794813 | 4.046523687 |
| CARD19 | ENSG00000165233.17 | 6.001859845 | 6.835734065 | 5.10413942 |
| AARSD1 | ENSG00000266967.6 | 5.301819376 | 5.394328327 | 5.159399155 |
| LYSMD3 | ENSG00000176018.12 | 4.384594934 | 4.54628459 | 4.833868372 |
| SLC39A10 | ENSG00000196950.13 | 4.362678586 | 4.963478287 | 5.147553753 |
| TSEN54 | ENSG00000182173.12 | 4.30567704 | 4.462182377 | 4.551370337 |
| GRAMD4 | ENSG00000075240.16 | 4.088255262 | 6.398633522 | 4.877654913 |
| COMMD1 | ENSG00000173163.10 | 4.686828233 | 5.701349512 | 4.818984024 |
| RBM28 | ENSG00000106344.8 | 4.658129863 | 4.738350669 | 4.47888125 |
| KMT2B | ENSG00000272333.5 | 5.010499673 | 5.458452647 | 4.868518077 |
| ALX1 | ENSG00000180318.3 | 4.726070314 | 4.273418363 | 5.126074226 |
| SNTB2 | ENSG00000168807.16 | 5.837138436 | 4.052310358 | 4.112343785 |
| TFAM | ENSG00000108064.10 | 5.523170095 | 4.076076054 | 4.382048651 |
| MTHFD1L | ENSG00000120254.15 | 5.814367688 | 5.479052455 | 5.492190236 |
| HADH | ENSG00000138796.16 | 5.132368632 | 4.187321782 | 4.924661777 |
| TRAPPC8 | ENSG00000153339.13 | 4.392750876 | 5.301941033 | 4.441982779 |
| C6orf89 | ENSG00000198663.16 | 4.794807896 | 4.756386757 | 5.002647253 |
| NLGN2 | ENSG00000169992.9 | 5.529512544 | 4.516583559 | 4.029501664 |
| SLC22A18 | ENSG00000110628.13 | 4.088424767 | 6.997291922 | 6.353325323 |
| ATP2B4 | ENSG00000058668.14 | 6.330310958 | 6.020231363 | 4.462235013 |
| CCDC90B | ENSG00000137500.9 | 4.872268821 | 4.58899073 | 5.264940647 |
| HOXB6 | ENSG00000108511.9 | 4.556456797 | 4.205825638 | 4.344631996 |
| NT5C | ENSG00000125458.6 | 5.44070489 | 5.001148265 | 4.127356566 |
| SPDL1 | ENSG00000040275.16 | 6.087495875 | 4.613833193 | 4.108650434 |

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| AGK | ENSG00000006530.15 | 4.71767886 | 4.527482519 | 4.47087784 |
| CERS5 | ENSG00000139624.12 | 4.222791439 | 5.323039577 | 4.239496033 |
| LRP1 | ENSG00000123384.13 | 4.427052444 | 6.057091935 | 4.100766994 |
| LRR14 | ENSG00000160959.7 | 4.694842282 | 4.26926279 | 4.571763957 |
| PANK4 | ENSG00000157881.13 | 4.212003516 | 4.327381796 | 4.955144608 |
| BDP1 | ENSG00000145734.18 | 4.526018628 | 4.024253099 | 4.321204842 |
| BBX | ENSG00000114439.18 | 5.037270232 | 5.26939688 | 4.962254523 |
| PRR12 | ENSG00000126464.13 | 5.573883561 | 5.111484071 | 4.494018639 |
| CHST10 | ENSG00000115526.10 | 4.524213192 | 5.316474164 | 4.034936583 |
| ERG28 | ENSG00000133935.6 | 4.055977261 | 4.985651365 | 4.859769891 |
| SIRT6 | ENSG00000077463.14 | 5.412232287 | 5.416610557 | 4.573262554 |
| PPP6R2 | ENSG00000100239.15 | 4.741560862 | 5.910995055 | 5.92290514 |
| ZNF316 | ENSG00000205903.6 | 4.737859639 | 5.30110317 | 5.087243895 |
| STX16 | ENSG00000124222.22 | 6.893390548 | 6.512584408 | 5.891943679 |
| TRAF3IP2 | ENSG00000056972.18 | 4.144717202 | 5.011197325 | 4.532370071 |
| SMC2 | ENSG00000136824.18 | 5.973693806 | 5.459745034 | 3.977721301 |
| ACTR6 | ENSG00000075089.9 | 5.903703133 | 4.972630181 | 4.079450205 |
| POLA1 | ENSG00000101868.10 | 5.381531671 | 4.029368526 | 4.485538718 |
| TECPR1 | ENSG00000205356.9 | 4.058337601 | 5.152888355 | 4.883173705 |
| RASA1 | ENSG00000145715.14 | 4.844780335 | 4.305560132 | 5.569709194 |
| PRPF4 | ENSG00000136875.12 | 7.165474672 | 6.617608851 | 3.989716075 |
| SPG11 | ENSG00000104133.14 | 4.990814521 | 5.184137985 | 5.346170975 |
| MAML1 | ENSG00000161021.12 | 5.152637625 | 4.014742331 | 4.30761417 |
| HERPUD1 | ENSG00000051108.14 | 5.790718258 | 6.796114291 | 6.983401463 |
| ZCCHC3 | ENSG00000247315.3 | 5.325320982 | 5.297887827 | 3.969506044 |
| RITA1 | ENSG00000139405.15 | 5.686179167 | 5.358787661 | 3.98033632 |
| KDM5A | ENSG00000073614.12 | 5.570241151 | 4.726239826 | 6.850737953 |
| TRPT1 | ENSG00000149743.13 | 5.066585609 | 4.873230731 | 4.904217419 |
| LAMA4 | ENSG00000112769.18 | 7.136466287 | 4.98132597 | 4.019632109 |
| SPPL2A | ENSG00000138600.9 | 5.29792213 | 4.76568364 | 4.973492141 |
| UBXN2A | ENSG00000173960.13 | 4.776615786 | 4.476284434 | 4.026437828 |
| LRR14 | ENSG00000171492.14 | 5.52747854 | 5.393259472 | 6.09540691 |
| UFSP2 | ENSG00000109775.10 | 5.003877732 | 4.330731446 | 4.881140638 |
| RMND1 | ENSG00000155906.16 | 4.771773565 | 4.782172014 | 4.25191874 |
| PGP | ENSG00000184207.8 | 4.829226964 | 4.908294487 | 4.235451982 |
| EPB41 | ENSG00000159023.19 | 5.463890002 | 5.44718448 | 5.847872117 |
| FANCD2 | ENSG00000144554.10 | 5.238746826 | 4.74245614 | 4.115666954 |
| ENOSF1 | ENSG00000132199.18 | 4.26018101 | 5.835877921 | 4.005460978 |
| C17orf62 | ENSG00000178927.17 | 5.116312372 | 5.357516666 | 5.904005228 |
| BAZ1A | ENSG00000198604.10 | 5.427889838 | 4.353814969 | 4.063699117 |
| NRIP1 | ENSG00000180530.10 | 5.631777718 | 4.246899971 | 4.779983313 |
| RNFT1 | ENSG00000189050.15 | 4.555182273 | 5.481526661 | 6.020070949 |
| MAD1L1 | ENSG00000002822.15 | 4.845549499 | 7.226547267 | 6.522964579 |
| SMPD1 | ENSG00000166311.9 | 4.084097495 | 5.73274307 | 5.981073361 |
| STAMBP | ENSG00000124356.15 | 4.824581686 | 4.590339505 | 4.858086074 |
| VPS50 | ENSG00000004766.15 | 4.113505519 | 5.024046793 | 4.447086027 |

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| PEX16 | ENSG00000121680.15 | 5.580581565 | 5.463098701 | 5.642904091 |
| L3MBTL2 | ENSG00000100395.14 | 4.796000257 | 4.933625605 | 4.093230873 |
| PSMB10 | ENSG00000205220.11 | 4.607020224 | 4.035040049 | 5.233106471 |
| PCNX4 | ENSG00000126773.12 | 4.401595098 | 4.179488521 | 4.66041618 |
| KIAA1109 | ENSG00000138688.15 | 4.033809823 | 4.450137559 | 4.598693846 |
| PIAS3 | ENSG00000131788.15 | 5.862891307 | 5.590597724 | 4.032665091 |
| IFT22 | ENSG00000128581.15 | 4.844968897 | 4.376102558 | 3.992945591 |
| FAM222B | ENSG00000173065.13 | 4.907209249 | 6.026536553 | 6.685315867 |
| PGM2 | ENSG00000169299.13 | 6.347390455 | 4.025897671 | 5.670226589 |
| NSL1 | ENSG00000117697.14 | 5.643720985 | 4.132705764 | 4.042728223 |
| METTL6 | ENSG00000206562.11 | 4.926214493 | 4.995656144 | 4.849615405 |
| TCIRG1 | ENSG00000110719.9 | 5.712477708 | 5.168853545 | 5.924874323 |
| MIB1 | ENSG00000101752.11 | 4.197821232 | 4.993215676 | 4.779514758 |
| C2CD5 | ENSG00000111731.12 | 4.914516159 | 4.234514209 | 4.343387106 |
| DNAJC4 | ENSG00000110011.13 | 4.281722436 | 4.304681639 | 5.522698655 |
| HMGB1P6 | ENSG00000259781.1 | 6.37124679 | 4.825914202 | 4.293946311 |
| LARS2 | ENSG00000011376.9 | 4.431554507 | 4.287326445 | 4.337042855 |
| DYNC2LI1 | ENSG00000138036.18 | 4.825704384 | 4.355129514 | 4.695190141 |
| WASHC2A | ENSG00000099290.15 | 4.003397686 | 4.377107014 | 4.922248441 |
| KLHL18 | ENSG00000114648.11 | 5.073984866 | 4.380412548 | 4.043143181 |
| ZNF800 | ENSG00000048405.9 | 5.592641283 | 4.895347141 | 5.046711312 |
| C18orf25 | ENSG00000152242.10 | 4.904848769 | 4.91681167 | 4.209832997 |
| IFT46 | ENSG00000118096.7 | 5.687674566 | 4.083311776 | 5.241085324 |
| AP3S2 | ENSG00000157823.16 | 4.885098162 | 5.257134073 | 4.54569768 |
| LATS2 | ENSG00000150457.8 | 4.155417876 | 4.799462477 | 4.002426798 |
| MTMR1 | ENSG00000063601.16 | 5.22066611 | 4.413132479 | 4.301566609 |
| ARHGAP12 | ENSG00000165322.17 | 5.870355484 | 4.44071524 | 4.706147315 |
| ZNF777 | ENSG00000196453.7 | 4.625135002 | 4.061905308 | 4.426261109 |
| ZNF623 | ENSG00000183309.11 | 5.227020357 | 4.39793794 | 4.665339436 |
| MON2 | ENSG00000061987.15 | 4.678639519 | 5.117002095 | 5.491279956 |
| PDE12 | ENSG00000174840.8 | 4.921791028 | 4.43136562 | 4.173101881 |
| MON1B | ENSG00000103111.14 | 5.160467706 | 5.215123432 | 5.459893512 |
| MVD | ENSG00000167508.11 | 4.354169521 | 5.344377769 | 5.672529528 |
| PRPF38A | ENSG00000134748.12 | 6.033961139 | 4.374417747 | 4.046879928 |
| PHF12 | ENSG00000109118.13 | 4.833861256 | 4.639251482 | 4.483432321 |
| TEAD1 | ENSG00000187079.16 | 5.617674687 | 7.045552293 | 4.964097449 |
| ISOC1 | ENSG00000066583.11 | 4.769388343 | 4.01239803 | 4.821246582 |
| PLCB3 | ENSG00000149782.11 | 5.128772218 | 5.21735207 | 4.009743248 |
| PTK7 | ENSG00000112655.15 | 4.134363214 | 4.512629454 | 4.838760438 |
| C1orf109 | ENSG00000116922.14 | 5.118049623 | 4.492302394 | 4.00497814 |
| PI4K2B | ENSG00000038210.12 | 4.974913379 | 3.984749835 | 5.434424919 |
| DTNBP1 | ENSG00000047579.19 | 3.994101003 | 4.406632458 | 5.713386878 |
| CSRP1 | ENSG00000159176.13 | 5.210015325 | 4.475418808 | 5.697103133 |
| TATDN1 | ENSG00000147687.18 | 6.344724355 | 4.843839443 | 4.30325193 |
| YWHAH | ENSG00000128245.14 | 6.390293466 | 7.57222499 | 7.253286796 |
| NNT-AS1 | ENSG00000248092.7 | 4.032169636 | 4.761414868 | 5.612869239 |

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| PRPF39 | ENSG00000185246.17 | 4.031070403 | 3.980684607 | 4.428412488 |
| SPHK2 | ENSG00000063176.15 | 5.435097785 | 5.606817279 | 4.869339372 |
| C16orf70 | ENSG00000125149.11 | 4.314345592 | 4.087109609 | 4.362410217 |
| PIGW | ENSG00000277161.1 | 4.862475707 | 5.008139341 | 4.374552877 |
| PMS2 | ENSG00000122512.14 | 4.816713171 | 5.250340974 | 4.586668241 |
| NFRKB | ENSG00000170322.14 | 5.098779819 | 3.987876336 | 4.181857117 |
| KRI1 | ENSG00000129347.19 | 6.275150359 | 5.396316139 | 4.939369935 |
| ROBO1 | ENSG00000169855.19 | 5.652129225 | 5.53354235 | 4.843796203 |
| GNL3L | ENSG00000130119.15 | 5.63363516 | 5.960487455 | 4.987746761 |
| UTP15 | ENSG00000164338.9 | 5.044761731 | 4.332623712 | 4.319913183 |
| PPP4R3A | ENSG00000100796.17 | 5.371613324 | 5.195755864 | 4.00408166 |
| ACTR8 | ENSG00000113812.13 | 4.830959482 | 5.096832129 | 4.543868656 |
| CACTIN | ENSG00000105298.13 | 4.348126102 | 4.586965973 | 4.182475257 |
| MRPL48 | ENSG00000175581.13 | 5.506162799 | 3.998076653 | 5.48371039 |
| BAG4 | ENSG00000156735.10 | 4.390082592 | 4.248604254 | 3.948888778 |
| CREBZF | ENSG00000137504.13 | 5.218886111 | 4.162582613 | 5.152817063 |
| ZNF263 | ENSG00000006194.9 | 4.612272573 | 4.323555732 | 4.430298026 |
| NFKBIA | ENSG00000100906.10 | 4.199841778 | 4.230531959 | 4.447445109 |
| TMEM129 | ENSG00000168936.10 | 5.19126063 | 4.715927499 | 6.941898847 |
| LINC01578 | ENSG00000272888.5 | 5.490881923 | 4.743069817 | 5.507807743 |
| IL1RAP | ENSG00000196083.9 | 4.39184724 | 5.798970502 | 5.297487456 |
| STK11 | ENSG00000118046.14 | 4.938880156 | 3.952251218 | 5.149630294 |
| MPST | ENSG00000128309.16 | 4.576046134 | 5.332619708 | 4.332327004 |
| C1GALT1 | ENSG00000106392.10 | 4.029373985 | 4.36208071 | 4.633122049 |
| TMEM184C | ENSG00000164168.7 | 4.687406808 | 4.642019185 | 5.013689709 |
| KIF13B | ENSG00000197892.12 | 3.948510178 | 4.787938785 | 5.9526678 |
| CYTH3 | ENSG00000008256.15 | 4.118440938 | 7.633094144 | 7.722476351 |
| MAN1A2 | ENSG00000198162.12 | 5.255394563 | 4.849398797 | 5.043323351 |
| RAB18 | ENSG00000099246.16 | 4.538698908 | 4.896535321 | 4.339486657 |
| BICD1 | ENSG00000151746.13 | 5.666418272 | 4.718442583 | 4.014407941 |
| HPS3 | ENSG00000163755.8 | 4.099316737 | 6.427378598 | 5.584353912 |
| B3GALNT2 | ENSG00000162885.12 | 5.501313956 | 3.94227356 | 4.420091911 |
| THEM6 | ENSG00000130193.7 | 5.101556799 | 4.163850965 | 4.427820028 |
| XPR1 | ENSG00000143324.13 | 4.91247725 | 4.737296959 | 4.510738338 |
| MKNK1 | ENSG00000079277.19 | 5.105626717 | 4.843914192 | 4.111276201 |
| POMT2 | ENSG00000009830.11 | 4.040952971 | 4.185674867 | 4.696106519 |
| KMT5B | ENSG00000110066.14 | 4.648879811 | 4.211153119 | 5.673890459 |
| FAM210A | ENSG00000177150.12 | 4.751312067 | 6.34600157 | 7.020292392 |
| SOX4 | ENSG00000124766.6 | 3.95285921 | 4.332601947 | 5.744158909 |
| TAF2 | ENSG00000064313.11 | 5.216935272 | 5.187694014 | 4.082458231 |
| PPP1R16A | ENSG00000160972.9 | 4.873847709 | 4.285484232 | 4.837251935 |
| TEX2 | ENSG00000136478.7 | 3.987122772 | 6.018856687 | 6.246947254 |
| FAM83D | ENSG00000101447.14 | 6.464851205 | 5.64458508 | 3.971329672 |
| OARD1 | ENSG00000124596.16 | 4.659883755 | 4.485401378 | 4.620977759 |
| MRPS2 | ENSG00000122140.10 | 5.865880504 | 6.866435543 | 6.08471192 |
| ERCC6L2 | ENSG00000182150.15 | 5.26482002 | 5.043023102 | 4.733239072 |

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| WDR3 | ENSG00000065183.15 | 6.636061064 | 5.318229993 | 4.020244919 |
| MEGF8 | ENSG00000105429.12 | 4.75086629 | 5.298626489 | 4.795988304 |
| MSANTD4 | ENSG00000170903.10 | 5.446461373 | 5.237979649 | 5.958343068 |
| DMAC1 | ENSG00000137038.7 | 5.536835617 | 3.993939654 | 4.490850593 |
| TRAFD1 | ENSG00000135148.11 | 5.113433946 | 4.229859394 | 3.996744585 |
| COMMD9 | ENSG00000110442.11 | 4.034171104 | 4.951971003 | 4.106863902 |
| HACL1 | ENSG00000131373.14 | 5.964350164 | 5.959607743 | 4.322684835 |
| PLEKHA8 | ENSG00000106086.18 | 4.058348714 | 4.997351854 | 4.075646553 |
| RANBP10 | ENSG00000141084.10 | 4.448439173 | 4.864935138 | 6.542467115 |
| ARID4B | ENSG00000054267.21 | 5.277008076 | 3.936333743 | 4.49417367 |
| FNIP1 | ENSG00000217128.11 | 4.00652645 | 4.350201238 | 4.838689898 |
| FAN1 | ENSG00000198690.9 | 4.365926688 | 4.502183501 | 4.30844676 |
| C12orf4 | ENSG00000047621.11 | 4.43819604 | 4.570421044 | 6.380046724 |
| ERCC2 | ENSG00000104884.14 | 4.812773609 | 4.072912956 | 4.1194213 |
| WDR73 | ENSG00000177082.12 | 5.364817441 | 4.533870993 | 4.031240632 |
| EBP | ENSG00000147155.10 | 5.212206537 | 4.943288302 | 4.144973254 |
| ZWILCH | ENSG00000174442.11 | 5.227100179 | 4.649080902 | 4.130748061 |
| COG3 | ENSG00000136152.14 | 4.915065146 | 4.521306682 | 4.332096479 |
| OSGEP | ENSG00000092094.10 | 4.152180607 | 4.310337018 | 4.646300882 |
| CAMKK2 | ENSG00000110931.18 | 4.578385166 | 4.159209742 | 5.153381422 |
| CENPM | ENSG00000100162.14 | 4.670614389 | 4.071033476 | 4.498944901 |
| CUL5 | ENSG00000166266.13 | 4.407315479 | 3.933973358 | 4.818560057 |
| ARHGAP5 | ENSG00000100852.12 | 6.253434928 | 5.585606982 | 6.082396948 |
| DDX19A | ENSG00000168872.16 | 6.826448464 | 5.573106342 | 4.829445978 |
| AEBP2 | ENSG00000139154.14 | 5.124267509 | 4.554089589 | 4.819365122 |
| SC5D | ENSG00000109929.9 | 4.414874905 | 5.548837639 | 5.856413592 |
| STX18 | ENSG00000168818.9 | 4.476935648 | 4.254485649 | 6.365580324 |
| STX8 | ENSG00000170310.14 | 4.709590454 | 4.314220014 | 5.189222284 |
| CDCA7L | ENSG00000164649.19 | 5.720820378 | 5.217565895 | 4.246128352 |
| PARVB | ENSG00000188677.14 | 4.025716764 | 5.995391113 | 5.430324009 |
| TFIP11 | ENSG00000100109.16 | 4.96465662 | 5.604741837 | 5.950882289 |
| ZNF561 | ENSG00000171469.10 | 4.789467988 | 4.736136811 | 4.600581143 |
| FAM162A | ENSG00000114023.15 | 4.753343676 | 4.736690818 | 4.461716037 |
| MIOS | ENSG00000164654.15 | 4.563190099 | 5.128664486 | 5.114986078 |
| ASB6 | ENSG00000148331.11 | 6.026242819 | 5.857048963 | 4.062294711 |
| CD2AP | ENSG00000198087.7 | 4.544039935 | 5.401083823 | 5.604141496 |
| OPTN | ENSG00000123240.16 | 4.060465673 | 5.338563816 | 5.883439692 |
| USP28 | ENSG00000048028.11 | 5.196670617 | 4.057295437 | 4.615588804 |
| SLC12A4 | ENSG00000124067.16 | 4.525299033 | 4.185893941 | 4.833504607 |
| TBC1D9 | ENSG00000109436.7 | 4.742849063 | 5.003125351 | 3.975392662 |
| FOS | ENSG00000170345.9 | 4.461872549 | 5.989855546 | 4.412135316 |
| PCYT2 | ENSG00000185813.10 | 3.978233028 | 5.378699499 | 5.789164086 |
| SLF2 | ENSG00000119906.11 | 4.614507465 | 3.937506513 | 5.531955835 |
| SMAD2 | ENSG00000175387.15 | 4.595835033 | 4.721984654 | 4.086798571 |
| SYNRG | ENSG00000275066.4 | 4.951830545 | 4.871099958 | 5.418916282 |
| VPS13C | ENSG00000129003.15 | 4.378715196 | 4.986040082 | 5.150824719 |

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| TTLL5 | ENSG00000119685.19 | 4.470727878 | 4.01135627 | 4.916134212 |
| COG6 | ENSG00000133103.16 | 4.033804101 | 4.833928573 | 4.579427482 |
| EFL1 | ENSG00000140598.13 | 4.96466101 | 4.507206013 | 5.417110836 |
| DNTTIP2 | ENSG00000067334.13 | 4.819975566 | 4.605199381 | 4.055389503 |
| PTAR1 | ENSG00000188647.12 | 5.583272748 | 5.665648908 | 4.865310782 |
| ZYG11B | ENSG00000162378.12 | 4.479390825 | 3.951954105 | 4.134050947 |
| UHRF2 | ENSG00000147854.16 | 5.767584814 | 4.934664724 | 4.199106397 |
| PEX19 | ENSG00000162735.18 | 5.349004732 | 5.259574069 | 5.746033234 |
| SMIM19 | ENSG00000176209.11 | 4.136134802 | 4.331036096 | 4.068288723 |
| SNHG15 | ENSG00000232956.8 | 4.915827374 | 5.908963058 | 4.735769379 |
| LMO4 | ENSG00000143013.12 | 5.322700969 | 4.758748163 | 4.652303322 |
| SDHAF1 | ENSG00000205138.3 | 4.967717954 | 3.963062653 | 4.284570148 |
| UCN2 | ENSG00000145040.3 | 6.335554555 | 4.966931284 | 6.114782719 |
| NFKB2 | ENSG00000077150.18 | 5.906287423 | 4.610906232 | 5.076247168 |
| C2orf69 | ENSG00000178074.5 | 3.919279575 | 4.584452336 | 5.232063904 |
| TRAK2 | ENSG00000115993.12 | 3.94721327 | 5.816595354 | 7.111933822 |
| SLC41A3 | ENSG00000114544.16 | 4.614542152 | 5.336468217 | 5.174987469 |
| IMPACT | ENSG00000154059.9 | 4.378683346 | 5.085936582 | 3.913153188 |
| DPH7 | ENSG00000148399.12 | 4.831866574 | 5.116845313 | 4.421649932 |
| JPT2 | ENSG00000206053.12 | 4.69025346 | 4.299108996 | 4.162671941 |
| NBPF1 | ENSG00000219481.10 | 4.94304684 | 4.730213162 | 5.321763435 |
| CCNT1 | ENSG00000129315.10 | 5.438144903 | 4.671306623 | 3.936256601 |
| SLCO4A1 | ENSG00000101187.15 | 6.710118534 | 3.973428787 | 4.030460292 |
| GALK2 | ENSG00000156958.14 | 4.380753161 | 4.935510563 | 4.966844627 |
| RIOK2 | ENSG00000058729.10 | 4.399042626 | 4.160934204 | 3.932124512 |
| TRABD | ENSG00000170638.9 | 5.07788533 | 5.227633566 | 5.012106286 |
| TACC1 | ENSG00000147526.19 | 4.44025004 | 5.62187269 | 6.140407232 |
| KRBOX4 | ENSG00000147121.15 | 4.684074019 | 4.028505377 | 3.913717887 |
| ACP5 | ENSG00000102575.10 | 5.059458493 | 6.251022127 | 6.943735909 |
| RALGDS | ENSG00000160271.14 | 4.591752822 | 5.245804573 | 4.303497841 |
| MRPS16 | ENSG00000182180.13 | 5.091087268 | 4.362344963 | 4.530125366 |
| IDUA | ENSG00000127415.12 | 4.184052901 | 4.402626242 | 5.210380686 |
| COMMD10 | ENSG00000145781.8 | 4.949778381 | 5.00203648 | 4.366279544 |
| RBM4B | ENSG00000173914.11 | 4.503219266 | 4.020945525 | 4.092585607 |
| SPSB1 | ENSG00000171621.13 | 3.997500077 | 5.592013218 | 6.388043359 |
| C1orf52 | ENSG00000162642.13 | 5.137179754 | 4.466964103 | 3.997371327 |
| MTMR12 | ENSG00000150712.10 | 4.766226275 | 4.399846979 | 5.333837459 |
| MASTL | ENSG00000120539.14 | 4.77771554 | 4.367530561 | 3.922717536 |
| STRN | ENSG00000115808.11 | 4.804929779 | 4.597094382 | 4.671452574 |
| C19orf60 | ENSG00000006015.17 | 5.881619073 | 5.455889445 | 5.151493249 |
| TOR1B | ENSG00000136816.15 | 5.305145499 | 4.979161507 | 3.939056167 |
| BRWD1 | ENSG00000185658.13 | 4.09995526 | 4.284967551 | 5.14762552 |
| ARL8B | ENSG00000134108.12 | 4.389267519 | 5.156071801 | 4.775188507 |
| TYW3 | ENSG00000162623.15 | 5.780524039 | 4.984253122 | 3.936754932 |
| KIF4A | ENSG00000090889.11 | 5.647025669 | 4.445866647 | 3.991455535 |
| CALCOCO1 | ENSG00000012822.15 | 4.637695972 | 4.890701748 | 4.514345309 |

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| AGFG1 | ENSG00000173744.17 | 4.558935055 | 5.647907201 | 4.738903086 |
| NDC1 | ENSG00000058804.11 | 6.172281866 | 5.074255004 | 3.968240832 |
| YPEL3 | ENSG00000090238.11 | 4.387219307 | 4.069176314 | 4.91628325 |
| MFSD11 | ENSG00000092931.11 | 4.014979278 | 4.010050568 | 4.948790715 |
| POLR2D | ENSG00000144231.10 | 4.436618005 | 4.22506875 | 3.972770483 |
| VPS53 | ENSG00000141252.19 | 4.608113302 | 4.536843067 | 4.268928176 |
| ZDHHC17 | ENSG00000186908.14 | 4.580897555 | 4.355204317 | 5.406725591 |
| TANK | ENSG00000136560.13 | 4.505658319 | 5.308112188 | 5.054615254 |
| PRDM4 | ENSG00000110851.11 | 4.921675628 | 4.697110127 | 3.939687169 |
| CPT2 | ENSG00000157184.6 | 5.395418896 | 4.937168162 | 3.981407974 |
| RAD1 | ENSG00000113456.18 | 4.810165903 | 4.097524757 | 4.448503736 |
| RYBP | ENSG00000163602.10 | 4.224507669 | 3.921293661 | 4.461785572 |
| GAMT | ENSG00000130005.12 | 5.412512986 | 5.769270959 | 4.979494554 |
| ADCY6 | ENSG00000174233.11 | 4.586301002 | 5.159630069 | 4.993827208 |
| TVP23B | ENSG00000171928.13 | 5.963235761 | 4.88248757 | 5.060953495 |
| NARFL | ENSG00000103245.13 | 5.148428448 | 4.669791367 | 4.787610293 |
| VAMP2 | ENSG00000220205.8 | 4.777149674 | 3.963961127 | 6.152094612 |
| E2F7 | ENSG00000165891.15 | 4.623543672 | 3.999954188 | 4.361205188 |
| SLC30A1 | ENSG00000170385.9 | 5.526613115 | 4.533559954 | 3.917946435 |
| CHD9 | ENSG00000177200.16 | 5.133275539 | 4.328975223 | 4.957953192 |
| ANKLE2 | ENSG00000176915.14 | 5.13099971 | 5.467006405 | 4.409322819 |
| UBN1 | ENSG00000118900.14 | 4.965143882 | 4.138065035 | 5.602171095 |
| ASH1L | ENSG00000116539.12 | 5.286799269 | 4.897147323 | 4.245919584 |
| TIGAR | ENSG00000078237.6 | 4.646698856 | 5.451444708 | 7.429296583 |
| MKRN2 | ENSG00000075975.15 | 4.779859736 | 4.580150348 | 4.818101574 |
| C5orf30 | ENSG00000181751.9 | 5.144947031 | 4.666982818 | 5.863281626 |
| SORBS3 | ENSG00000120896.13 | 6.006718191 | 5.076272057 | 6.697900516 |
| CPNE2 | ENSG00000140848.16 | 4.010928015 | 4.043056419 | 4.57667729 |
| PPIL4 | ENSG00000131013.3 | 5.290695973 | 4.69525746 | 4.076651116 |
| PALB2 | ENSG00000083093.9 | 4.761033273 | 4.505300388 | 3.924845445 |
| UBA6 | ENSG00000033178.12 | 4.435280552 | 4.499926042 | 4.464359386 |
| RHOBTB2 | ENSG00000008853.16 | 4.461848551 | 4.667443652 | 4.591425967 |
| EVA1B | ENSG00000142694.6 | 5.150238335 | 4.13445718 | 4.522801154 |
| NAGA | ENSG00000198951.11 | 3.900884227 | 5.150280521 | 5.566440136 |
| IGSF8 | ENSG00000162729.13 | 4.683505143 | 8.078018843 | 7.086099663 |
| PTPN2 | ENSG00000175354.18 | 4.891640737 | 4.8498255 | 4.291554409 |
| ZCCHC10 | ENSG00000155329.11 | 4.586166911 | 3.906086662 | 4.215442379 |
| MSI2 | ENSG00000153944.10 | 5.321586819 | 5.676568826 | 6.517848691 |
| FIGNL1 | ENSG00000132436.11 | 4.457427968 | 5.464141302 | 5.94915657 |
| CCDC71L | ENSG00000253276.2 | 4.54941493 | 5.342381078 | 4.076547113 |
| XRCC1 | ENSG00000073050.11 | 5.331703255 | 3.893113884 | 4.489018648 |
| AFTPH | ENSG00000119844.15 | 5.335037405 | 5.052129084 | 4.998894995 |
| UTP23 | ENSG00000147679.11 | 5.017361668 | 3.899561979 | 3.923065449 |
| UHRF1 | ENSG00000276043.4 | 6.671385983 | 5.031165559 | 4.040814058 |
| BTN2A1 | ENSG00000112763.15 | 3.946399633 | 4.607846737 | 4.964068438 |
| CEP131 | ENSG00000141577.13 | 4.098107006 | 5.064405904 | 5.475457541 |

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| SLC37A4 | ENSG00000137700.17 | 5.09151909 | 4.185685767 | 4.01819154 |
| RALB | ENSG00000144118.13 | 4.664251914 | 5.372105285 | 5.265350883 |
| NSF | ENSG00000073969.18 | 4.072667931 | 3.905956951 | 4.325111043 |
| ZNF142 | ENSG00000115568.15 | 4.297503806 | 4.474990383 | 3.968390211 |
| ABHD17B | ENSG00000107362.13 | 5.522452343 | 5.034759598 | 4.016132149 |
| APOL2 | ENSG00000128335.13 | 4.509993721 | 6.374120696 | 5.545957847 |
| MSH6 | ENSG00000116062.14 | 5.803932088 | 5.192399873 | 4.366050806 |
| ZNF274 | ENSG00000171606.17 | 4.504968303 | 4.592107484 | 4.231446448 |
| RAP2C | ENSG00000123728.9 | 4.923611148 | 4.622497824 | 4.240989318 |
| ITGAE | ENSG00000083457.11 | 5.021161209 | 4.258004303 | 4.220102355 |
| SDHAF3 | ENSG00000196636.7 | 4.942064345 | 5.721168007 | 4.067597838 |
| TIMM22 | ENSG00000177370.4 | 4.594482811 | 3.925953572 | 4.146320697 |
| PDCD4 | ENSG00000150593.17 | 6.131619156 | 4.815548307 | 5.82067721 |
| AK6 | ENSG00000085231.13 | 5.557845951 | 4.017327491 | 5.454637228 |
| TMEM39A | ENSG00000176142.12 | 4.348971573 | 4.859535013 | 4.122982074 |
| BNIP3 | ENSG00000176171.11 | 6.044998101 | 4.039056944 | 5.186715753 |
| SLC35E2B | ENSG00000189339.11 | 4.705643518 | 4.529737115 | 4.885838041 |
| CASKIN2 | ENSG00000177303.9 | 4.133018495 | 3.917372204 | 4.559240802 |
| MBNL2 | ENSG00000139793.18 | 5.31680446 | 4.490007582 | 5.477754553 |
| CARNMT1 | ENSG00000156017.12 | 4.372217806 | 4.796366554 | 3.882936055 |
| NCK1 | ENSG00000158092.6 | 4.294055168 | 4.547972194 | 4.101405696 |
| ORC4 | ENSG00000115947.13 | 4.301633178 | 4.760440584 | 4.754182287 |
| PSKH1 | ENSG00000159792.9 | 4.694357277 | 3.960404635 | 4.802517989 |
| ORC3 | ENSG00000135336.14 | 4.926013039 | 4.610626574 | 3.896728492 |
| TBCC | ENSG00000124659.6 | 4.976878528 | 5.161883153 | 4.780647422 |
| RAB28 | ENSG00000157869.14 | 4.902971888 | 4.105410556 | 6.193896892 |
| RUSC1 | ENSG00000160753.15 | 5.683611859 | 4.387299637 | 3.891021035 |
| SLC36A1 | ENSG00000123643.12 | 4.038629261 | 4.350892285 | 4.110249264 |
| UBIAD1 | ENSG00000120942.13 | 4.779197121 | 4.517542963 | 4.381049613 |
| SCRN2 | ENSG00000141295.13 | 4.855410993 | 4.746464974 | 4.690764342 |
| TSC1 | ENSG00000165699.13 | 4.584509881 | 5.790823388 | 4.247469131 |
| PRPF18 | ENSG00000165630.13 | 5.392822645 | 4.641853236 | 5.136684172 |
| PKMYT1 | ENSG00000127564.16 | 5.435114117 | 4.580334964 | 3.987912191 |
| MDFIC | ENSG00000135272.10 | 4.80774445 | 5.015782407 | 4.627560092 |
| CCDC84 | ENSG00000186166.8 | 4.360165402 | 3.952191636 | 4.52525205 |
| TES | ENSG00000135269.17 | 4.481982563 | 5.06115081 | 5.311440501 |
| TMEM57 | ENSG00000204178.9 | 4.925470869 | 4.386127358 | 4.57095441 |
| DGCR2 | ENSG00000070413.19 | 3.969874533 | 5.339618558 | 5.076455957 |
| ITPA | ENSG00000125877.12 | 6.870195279 | 6.313599247 | 4.026158723 |
| CRYZL1 | ENSG00000205758.11 | 4.417498479 | 4.611272984 | 5.267012455 |
| CYP27A1 | ENSG00000135929.8 | 3.92187703 | 5.767434806 | 7.108747273 |
| CRLS1 | ENSG00000088766.11 | 4.828837524 | 4.660614427 | 4.029297156 |
| ABCA2 | ENSG00000107331.16 | 4.786987162 | 5.391271821 | 5.449027784 |
| PAQR4 | ENSG00000162073.13 | 4.467047906 | 4.609447083 | 3.985312084 |
| JOSD2 | ENSG00000161677.11 | 5.4999392 | 6.049777662 | 4.470911405 |
| FRMD6 | ENSG00000139926.15 | 5.870135579 | 4.566060082 | 4.864881441 |

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| TIMM29 | ENSG00000142444.6 | 5.399872352 | 4.56460239 | 4.430119357 |
| AGPAT5 | ENSG00000155189.11 | 4.250227729 | 3.949674656 | 5.083361087 |
| SLC27A4 | ENSG00000167114.12 | 5.873083419 | 6.281607509 | 3.902940515 |
| GTF2IRD1 | ENSG00000006704.10 | 4.521375858 | 4.297382711 | 3.889698113 |
| UBE3B | ENSG00000151148.13 | 4.759161753 | 4.504377009 | 3.927390607 |
| SZT2 | ENSG00000198198.15 | 4.869981574 | 4.945573632 | 4.374802856 |
| TLNRD1 | ENSG00000140406.3 | 3.901902868 | 5.069359641 | 7.628314226 |
| PCGF1 | ENSG00000115289.13 | 4.754157735 | 5.109678223 | 4.735145403 |
| DCUN1D1 | ENSG00000043093.13 | 3.884105033 | 4.78711749 | 4.57817042 |
| RPA3 | ENSG00000106399.11 | 5.497916568 | 5.216827247 | 3.935633628 |
| EMG1 | ENSG00000126749.14 | 5.783242502 | 4.283260506 | 4.374236699 |
| CLN5 | ENSG00000102805.14 | 4.136718526 | 3.884446671 | 4.428029942 |
| GOLPH3L | ENSG00000143457.10 | 5.025887094 | 4.70995745 | 4.513460749 |
| PHYKPL | ENSG00000175309.14 | 4.881641031 | 4.344628022 | 4.279649699 |
| CDC42BPA | ENSG00000143776.18 | 5.344535372 | 3.849426362 | 5.142136047 |
| COQ8A | ENSG00000163050.16 | 6.034705397 | 4.130969003 | 4.171316223 |
| CFL2 | ENSG00000165410.14 | 4.718246777 | 4.083266554 | 5.322784595 |
| FAM199X | ENSG00000123575.8 | 4.927347912 | 5.210289718 | 5.054527294 |
| SPECC1 | ENSG00000128487.16 | 3.947986854 | 4.396633564 | 5.331966437 |
| HERPUD2 | ENSG00000122557.9 | 4.68535152 | 5.283209483 | 4.922114134 |
| TTC19 | ENSG00000011295.15 | 4.749485102 | 4.029659886 | 4.705843936 |
| CCNA2 | ENSG00000145386.9 | 6.479841717 | 4.26286878 | 4.025373338 |
| CCDC51 | ENSG00000164051.13 | 4.94085733 | 5.747466297 | 4.528620287 |
| ZBED4 | ENSG00000100426.6 | 4.014482135 | 4.237450263 | 4.57216499 |
| IRF2BP1 | ENSG00000170604.4 | 6.176740927 | 3.848421546 | 4.650028522 |
| RUNDC1 | ENSG00000198863.7 | 4.846526858 | 4.599246564 | 4.433748706 |
| ALKBH6 | ENSG00000239382.10 | 4.606269649 | 5.083513516 | 4.564545857 |
| ASCC3 | ENSG00000112249.13 | 5.117208721 | 5.043140605 | 4.618359761 |
| CMC2 | ENSG00000103121.8 | 4.993565737 | 5.315905956 | 5.845199774 |
| RECQL4 | ENSG00000160957.12 | 5.716691992 | 4.514719415 | 4.050094181 |
| PTRHD1 | ENSG00000184924.5 | 5.331834474 | 4.546964288 | 3.873957072 |
| RPS6KC1 | ENSG00000136643.11 | 5.301131691 | 4.185919057 | 3.906190781 |
| ZFP64 | ENSG00000020256.19 | 4.889987317 | 3.941404554 | 5.216965324 |
| INO80C | ENSG00000153391.15 | 3.948698964 | 4.342652101 | 3.959524017 |
| LMBRD1 | ENSG00000168216.10 | 4.534541704 | 4.442580173 | 4.950886506 |
| CXorf40B | ENSG00000197021.8 | 4.795107683 | 5.309886076 | 4.824088094 |
| C19orf66 | ENSG00000130813.17 | 4.381255399 | 5.441657588 | 4.311099646 |
| SRRD | ENSG00000100104.13 | 4.556957748 | 5.156422916 | 4.714235726 |
| NR2F2 | ENSG00000185551.14 | 6.079689765 | 4.902247711 | 4.175317952 |
| RABGGTA | ENSG00000100949.14 | 4.353983779 | 4.170751486 | 4.278220321 |
| TKFC | ENSG00000149476.15 | 5.600585685 | 4.514702006 | 5.249178927 |
| SMIM12 | ENSG00000163866.8 | 5.082136849 | 4.363520486 | 4.201118603 |
| AP4M1 | ENSG00000221838.9 | 4.428915785 | 4.002921459 | 3.928607611 |
| RBPJ | ENSG00000168214.20 | 6.291458123 | 4.199494755 | 5.69586626 |
| NHLRC3 | ENSG00000188811.13 | 4.001122163 | 5.392821726 | 5.085767574 |
| MED13L | ENSG00000123066.7 | 4.622719083 | 4.174487834 | 5.301370699 |

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| GABPA | ENSG00000154727.10 | 4.829332733 | 4.268418712 | 4.39322499 |
| BMI1 | ENSG00000168283.13 | 6.002578826 | 4.760599368 | 6.289919853 |
| LINC00888 | ENSG00000240024.5 | 4.34490103 | 5.190695519 | 4.458026296 |
| BCL10 | ENSG00000142867.12 | 4.394714632 | 4.393707444 | 4.363232668 |
| HAUS6 | ENSG00000147874.10 | 6.23554924 | 4.706495387 | 3.859746707 |
| PPP2R1B | ENSG00000137713.15 | 4.801458822 | 4.12013737 | 4.71265601 |
| CTDP1 | ENSG00000060069.16 | 4.125931813 | 5.165763247 | 4.025496047 |
| RNMT | ENSG00000101654.17 | 4.989239907 | 6.100859505 | 6.307051177 |
| ZNF252P | ENSG00000196922.10 | 4.996721011 | 4.126891771 | 4.795191694 |
| PQLC1 | ENSG00000122490.18 | 3.995603277 | 4.45498069 | 4.154977943 |
| TCTN2 | ENSG00000168778.11 | 4.436330132 | 3.864665594 | 4.205143027 |
| COG7 | ENSG00000168434.12 | 4.527290521 | 4.23556236 | 4.245855183 |
| KCTD3 | ENSG00000136636.12 | 6.396464128 | 4.076559161 | 4.051567791 |
| LINC01278 | ENSG00000235437.7 | 3.89930909 | 5.206859239 | 5.375625214 |
| RIPK2 | ENSG00000104312.7 | 4.728206828 | 4.591315216 | 4.444696387 |
| NDUFAF5 | ENSG00000101247.17 | 4.478511831 | 4.778034233 | 3.850496274 |
| ZNF276 | ENSG00000158805.11 | 4.371117998 | 4.316850762 | 4.304083429 |
| HABP4 | ENSG00000130956.13 | 3.962659766 | 5.754530195 | 5.627625145 |
| POLA2 | ENSG00000014138.8 | 5.379526098 | 4.271403982 | 3.932657141 |
| CTU2 | ENSG00000174177.12 | 5.033495939 | 4.983106715 | 4.809520823 |
| ZC3H4 | ENSG00000130749.9 | 5.783159935 | 4.180997589 | 4.804159598 |
| TBC1D10A | ENSG00000099992.15 | 3.95217336 | 5.316242535 | 5.82990058 |
| AC132008.2 | ENSG00000214135.8 | 3.931297178 | 4.455646647 | 5.264625433 |
| TTC14 | ENSG00000163728.10 | 3.924234609 | 4.271788307 | 5.276607615 |
| SH3BP2 | ENSG00000087266.15 | 4.580516336 | 3.975991755 | 5.603437806 |
| UBXN7 | ENSG00000163960.11 | 4.502400808 | 4.968499539 | 4.534253143 |
| LMTK2 | ENSG00000164715.5 | 4.12667629 | 4.56462343 | 4.362420305 |
| SLC9A1 | ENSG00000090020.10 | 4.328118113 | 4.655931405 | 4.476843532 |
| ZC3H11A | ENSG00000058673.16 | 4.84141518 | 5.166825736 | 5.138731477 |
| FAM114A2 | ENSG00000055147.18 | 4.076610149 | 3.943111349 | 4.445810413 |
| AK1 | ENSG00000106992.17 | 5.041950053 | 4.977491381 | 3.892315583 |
| HSPBAP1 | ENSG00000169087.10 | 4.130357994 | 4.538384524 | 4.40596974 |
| RBSN | ENSG00000131381.12 | 4.461592395 | 4.538002759 | 4.163018544 |
| SNX13 | ENSG00000071189.21 | 4.31999072 | 4.888116166 | 4.675743864 |
| PLEKHF2 | ENSG00000175895.3 | 3.904891653 | 5.060553569 | 4.103451122 |
| DOT1L | ENSG00000104885.17 | 5.165420128 | 4.646931909 | 6.069052313 |
| PEX1 | ENSG00000127980.15 | 4.079951526 | 4.52981374 | 4.555470676 |
| RP2 | ENSG00000102218.5 | 3.982446569 | 4.715101919 | 3.868700638 |
| NUDT9 | ENSG00000170502.12 | 4.032570853 | 5.34566285 | 4.966660945 |
| CSGALNACT2 | ENSG00000169826.7 | 4.298079147 | 3.988748217 | 4.339815326 |
| FAHD2A | ENSG00000115042.9 | 3.991972195 | 5.633725501 | 4.41794849 |
| HMBOX1 | ENSG00000147421.17 | 4.003850604 | 5.965839446 | 4.13969941 |
| ADNP2 | ENSG00000101544.8 | 4.449233268 | 5.023620544 | 3.944434233 |
| FBXW2 | ENSG00000119402.16 | 5.245265683 | 5.773919559 | 3.92179699 |
| PURB | ENSG00000146676.8 | 5.529190511 | 5.664281098 | 5.129631937 |
| SV2A | ENSG00000159164.9 | 5.848779021 | 5.178135471 | 5.926235904 |

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| NXPE3 | ENSG00000144815.15 | 5.539675166 | 5.089776518 | 4.785948768 |
| OSBPL11 | ENSG00000144909.7 | 4.933725809 | 3.85639201 | 3.850799237 |
| ANKRD39 | ENSG00000213337.8 | 3.930259593 | 5.200569036 | 7.13765948 |
| THAP7 | ENSG00000184436.11 | 4.329081303 | 4.043030457 | 3.908371009 |
| COQ6 | ENSG00000119723.16 | 4.09197004 | 4.006718656 | 4.734608295 |
| TAF4 | ENSG00000130699.18 | 4.71977189 | 3.880753264 | 4.885819019 |
| TMEM218 | ENSG00000150433.9 | 4.426068462 | 4.028909588 | 4.233951917 |
| DCP1A | ENSG00000272886.5 | 4.968558153 | 4.406659502 | 3.857497172 |
| CCDC91 | ENSG00000123106.10 | 5.152335796 | 5.636847193 | 4.714630181 |
| ATR | ENSG00000175054.14 | 4.85160888 | 4.973277643 | 3.970276295 |
| KLHL20 | ENSG00000076321.10 | 5.022427289 | 4.073421117 | 3.867301682 |
| SLC35F6 | ENSG00000213699.8 | 5.521017572 | 6.159893438 | 5.186216395 |
| JMJD1C | ENSG00000171988.18 | 5.138989595 | 4.483646397 | 5.34411874 |
| HAUS4 | ENSG00000092036.18 | 5.236027845 | 3.970391314 | 4.725379317 |
| TARBP1 | ENSG00000059588.9 | 5.094667148 | 3.818423143 | 4.731204294 |
| ZNF271P | ENSG00000257267.3 | 4.076334856 | 5.158766697 | 4.502504953 |
| SETD3 | ENSG00000183576.12 | 5.549720728 | 6.435043186 | 3.870544004 |
| ABCB7 | ENSG00000131269.15 | 4.617076324 | 4.77131253 | 4.206707017 |
| GCDH | ENSG00000105607.12 | 4.878003306 | 4.718642068 | 4.510893828 |
| CHCHD6 | ENSG00000159685.10 | 4.054373255 | 6.978808834 | 8.397286824 |
| FUZ | ENSG00000010361.13 | 5.93131755 | 4.462537155 | 4.135928729 |
| TWIST1 | ENSG00000122691.12 | 5.463680804 | 5.591508595 | 6.392570756 |
| SEC24B | ENSG00000138802.11 | 4.987657285 | 4.458934748 | 5.395774671 |
| CHEK1 | ENSG00000149554.12 | 6.022677659 | 4.000181223 | 4.295441627 |
| AKAP1 | ENSG00000121057.12 | 5.604503196 | 5.035143773 | 5.719647361 |
| LNPEP | ENSG00000113441.15 | 4.315988554 | 4.00201117 | 4.807526242 |
| SMUG1 | ENSG00000123415.15 | 5.70774285 | 5.373427625 | 4.461119622 |
| TANGO2 | ENSG00000183597.15 | 4.078848502 | 6.852062812 | 6.413991768 |
| DSCC1 | ENSG00000136982.5 | 5.889562932 | 3.815652028 | 4.153067503 |
| YTHDF3 | ENSG00000185728.16 | 4.022800552 | 6.117676817 | 4.117696028 |
| TRIP4 | ENSG00000103671.9 | 4.71044198 | 4.954206479 | 4.656199489 |
| RIOX2 | ENSG00000170854.17 | 5.14350616 | 5.076236946 | 5.063740902 |
| SHQ1 | ENSG00000144736.13 | 5.571063561 | 4.647814282 | 3.830269703 |
| FERMT2 | ENSG00000073712.14 | 4.685084398 | 4.770848855 | 4.01296257 |
| CNPY4 | ENSG00000166997.7 | 5.273329647 | 5.772259085 | 3.917944893 |
| RNGTT | ENSG00000111880.15 | 4.44487466 | 3.848225033 | 3.953602665 |
| CTBP2 | ENSG00000175029.16 | 6.847724407 | 5.529790419 | 5.950254234 |
| XXYL1 | ENSG00000173950.15 | 4.389124558 | 3.9271134 | 5.225441367 |
| GTF2H3 | ENSG00000111358.13 | 6.767245375 | 4.669772476 | 4.341785047 |
| NCOA2 | ENSG00000140396.12 | 3.826326793 | 4.548098107 | 4.894635046 |
| ZMYND11 | ENSG00000015171.19 | 4.945903447 | 4.033554855 | 4.974633314 |
| GPN3 | ENSG00000111231.8 | 6.057926178 | 5.379952496 | 3.945387644 |
| MIA | ENSG00000261857.6 | 7.878148615 | 7.031837666 | 6.14440798 |
| ZFYVE19 | ENSG00000166140.17 | 4.81654191 | 4.659882181 | 4.382235969 |
| ARMC6 | ENSG00000105676.13 | 6.490662207 | 5.059081587 | 4.436761468 |
| SMNDC1 | ENSG00000119953.12 | 5.219895507 | 4.109443647 | 4.751914039 |

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| CEP170B | ENSG00000099814.15 | 3.98746614 | 5.371851364 | 3.965115649 |
| ZNRD1 | ENSG00000066379.14 | 5.001348046 | 4.431924487 | 4.786060833 |
| POPDC3 | ENSG00000132429.9 | 6.217542676 | 5.52550879 | 3.969463186 |
| NAF1 | ENSG00000145414.8 | 4.865262964 | 3.845659038 | 4.384952242 |
| DHX35 | ENSG00000101452.14 | 4.23447837 | 3.846998374 | 3.971324558 |
| HES1 | ENSG00000114315.3 | 5.459216148 | 5.705248442 | 3.90441108 |
| PTPN9 | ENSG00000169410.9 | 4.367721764 | 5.037649904 | 4.111000479 |
| KATNBL1 | ENSG00000134152.10 | 4.686930313 | 5.566590795 | 4.316839044 |
| CMTM4 | ENSG00000183723.12 | 4.123730774 | 3.994547446 | 5.375413511 |
| BTF3L4 | ENSG00000134717.17 | 5.448856901 | 3.913041072 | 4.027842179 |
| MKS1 | ENSG00000011143.16 | 4.361126665 | 4.342627398 | 4.414846975 |
| ZNF398 | ENSG00000197024.8 | 3.997625234 | 3.815398139 | 3.86821033 |
| MRPS36 | ENSG00000134056.11 | 5.391276702 | 4.198816098 | 5.186954152 |
| REV3L | ENSG00000009413.15 | 3.854587055 | 4.513056232 | 4.18974313 |
| NADK2 | ENSG00000152620.12 | 4.651609559 | 4.238991892 | 4.767501272 |
| TMEM268 | ENSG00000157693.14 | 4.243346992 | 5.705560604 | 6.501475066 |
| USP3 | ENSG00000140455.16 | 4.986417146 | 4.627417734 | 4.83191028 |
| RN7SL2 | ENSG00000274012.1 | 6.765800393 | 5.44846348 | 7.076333387 |
| SCMH1 | ENSG00000010803.16 | 4.711757 | 3.933109054 | 4.894384651 |
| CDYL | ENSG00000153046.17 | 4.281693527 | 5.394281657 | 7.370677582 |
| KIAA1143 | ENSG00000163807.5 | 4.760470625 | 3.973335666 | 3.865056893 |
| ABHD5 | ENSG00000011198.7 | 4.692807975 | 4.247914056 | 3.912058423 |
| RSPRY1 | ENSG00000159579.13 | 4.854099452 | 4.179731101 | 4.57741773 |
| HEATR6 | ENSG00000068097.14 | 4.934301212 | 4.392380224 | 4.39820486 |
| EXOSC5 | ENSG00000077348.8 | 6.545032739 | 5.109555457 | 4.614930436 |
| ZNF428 | ENSG00000131116.11 | 5.224019856 | 3.859707424 | 6.133635888 |
| CAPN10 | ENSG00000142330.19 | 3.841453721 | 4.63315492 | 4.589785356 |
| HINT2 | ENSG00000137133.10 | 5.165725935 | 4.406084913 | 4.272612966 |
| TCEAL1 | ENSG00000172465.13 | 3.86868785 | 5.321600857 | 5.133783064 |
| SLC30A6 | ENSG00000152683.14 | 4.645854039 | 4.953010876 | 4.160010896 |
| RSAD1 | ENSG00000136444.9 | 5.377873312 | 5.081441189 | 5.724849707 |
| TRIM11 | ENSG00000154370.15 | 5.038168753 | 4.194870175 | 4.306257499 |
| ZCCHC14 | ENSG00000140948.11 | 4.444361104 | 5.564201124 | 5.551563394 |
| DDX24 | ENSG00000089737.16 | 5.510301561 | 5.297468591 | 4.066039961 |
| CASP7 | ENSG00000165806.19 | 5.431790714 | 4.083084697 | 4.004792769 |
| HOOK3 | ENSG00000168172.8 | 3.948567757 | 4.265098152 | 4.921447275 |
| AXIN1 | ENSG00000103126.14 | 4.464639998 | 4.224684353 | 4.761354704 |
| HOXC10 | ENSG00000180818.4 | 6.742911204 | 4.550717612 | 4.817889818 |
| NUMB | ENSG00000133961.19 | 4.660351507 | 4.8186553 | 5.943344841 |
| BRPF3 | ENSG00000096070.19 | 4.051971449 | 3.920576736 | 4.387704132 |
| ZNF12 | ENSG00000164631.18 | 4.338918596 | 5.040047839 | 4.85231419 |
| MUTYH | ENSG00000132781.17 | 4.823170531 | 3.967732488 | 4.042944996 |
| KIFC2 | ENSG00000167702.11 | 3.917375282 | 5.339352706 | 4.960668942 |
| TRIM41 | ENSG00000146063.19 | 4.942568953 | 3.844296703 | 4.44016497 |
| RNF25 | ENSG00000163481.7 | 4.46040243 | 4.815079157 | 3.889344235 |
| DNAJB9 | ENSG00000128590.4 | 3.911469007 | 5.229726874 | 5.698257244 |

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| GTF2E1 | ENSG00000153767.9 | 4.071409813 | 4.651904942 | 3.902873432 |
| ZNF326 | ENSG00000162664.16 | 5.103099803 | 4.785686085 | 3.982194027 |
| AC084033.3 | ENSG00000257698.1 | 4.766442359 | 4.041034582 | 6.740128625 |
| NVL | ENSG00000143748.17 | 5.267867933 | 3.98914864 | 4.121654871 |
| GCSH | ENSG00000140905.10 | 5.166210254 | 4.799876602 | 4.218563102 |
| TMEM167B | ENSG00000215717.5 | 4.352526214 | 4.720892848 | 4.986614543 |
| TEPSIN | ENSG00000167302.10 | 4.389212923 | 5.296450287 | 5.267853212 |
| CTNS | ENSG00000040531.14 | 4.366485373 | 4.331580645 | 3.833140597 |
| RAB4B | ENSG00000167578.17 | 4.636067773 | 4.988930113 | 5.351021307 |
| GTPBP3 | ENSG00000130299.16 | 5.248587841 | 4.848601033 | 4.025542 |
| CMTM7 | ENSG00000153551.13 | 5.527570921 | 4.465893333 | 6.041358928 |
| LGMN | ENSG00000100600.14 | 4.768246696 | 5.870722077 | 3.942544968 |
| NEK9 | ENSG00000119638.12 | 3.808392744 | 4.945439051 | 3.964829664 |
| POLD3 | ENSG00000077514.8 | 5.189165854 | 3.930962385 | 4.089944882 |
| PDIA5 | ENSG00000065485.19 | 3.830026424 | 5.659945731 | 4.933006 |
| ARL16 | ENSG00000214087.8 | 4.21164269 | 4.594697804 | 4.644743487 |
| TLE3 | ENSG00000140332.15 | 5.041056491 | 4.209201917 | 4.839685186 |
| BIRC2 | ENSG00000110330.8 | 5.039043555 | 4.069262864 | 4.928126636 |
| POLK | ENSG00000122008.15 | 4.078223628 | 3.838163221 | 4.859200142 |
| HERC2P2 | ENSG00000276550.4 | 4.668113839 | 5.123102407 | 4.774893849 |
| KMT2A | ENSG00000118058.20 | 4.715684566 | 3.820242689 | 4.221289414 |
| ESCO1 | ENSG00000141446.10 | 4.326352451 | 5.302696416 | 5.099045323 |
| NAPG | ENSG00000134265.12 | 3.81924985 | 5.004348446 | 4.965181473 |
| TMEM41A | ENSG00000163900.10 | 3.927669452 | 3.996228746 | 4.320508818 |
| RNF121 | ENSG00000137522.17 | 4.847555461 | 4.219267896 | 4.393058489 |
| FGFR1OP2 | ENSG00000111790.13 | 5.360666625 | 4.355834983 | 5.392164315 |
| GATB | ENSG00000059691.11 | 3.97783051 | 4.398622063 | 4.77653867 |
| TMEM2 | ENSG00000135048.13 | 7.438913236 | 6.873605549 | 3.883894214 |
| ZRSR2 | ENSG00000169249.12 | 4.527810889 | 3.891347423 | 4.128568751 |
| ARFIP1 | ENSG00000164144.15 | 4.601819843 | 3.900910125 | 4.34010516 |
| MIS18BP1 | ENSG00000129534.13 | 5.245021918 | 3.908034209 | 3.907509512 |
| MAPKBP1 | ENSG00000137802.13 | 3.903400713 | 4.64212583 | 5.243609962 |
| TXNDC15 | ENSG00000113621.14 | 5.051242536 | 4.098484037 | 4.648797865 |
| ZDHHC20 | ENSG00000180776.15 | 5.212298472 | 4.885599716 | 5.191781998 |
| TAF8 | ENSG00000137413.15 | 4.312313394 | 4.010098731 | 4.5731381 |
| CMSS1 | ENSG00000184220.11 | 5.34172346 | 4.607158526 | 4.349439102 |
| FUNDC1 | ENSG00000069509.5 | 4.747259093 | 4.903649794 | 4.446084251 |
| AC027644.3 | ENSG00000272831.1 | 3.84015359 | 4.761489643 | 4.195257837 |
| GALNT7 | ENSG00000109586.11 | 4.79249898 | 4.793763474 | 5.234644547 |
| POLG2 | ENSG00000256525.6 | 4.990735611 | 4.878440794 | 4.834538402 |
| RNF214 | ENSG00000167257.10 | 4.535827555 | 3.947868355 | 4.831814638 |
| SLC25A25 | ENSG00000148339.12 | 4.548625183 | 5.34713517 | 3.941954102 |
| TMED8 | ENSG00000100580.7 | 4.505636317 | 3.971292837 | 4.643086366 |
| PPIL2 | ENSG00000100023.18 | 4.594807746 | 4.025326889 | 4.393574002 |
| KHNYN | ENSG00000100441.9 | 4.44158377 | 4.391446592 | 4.725819408 |
| ERI2 | ENSG00000196678.13 | 4.507119858 | 3.993875932 | 3.79330188 |

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| CEPT1 | ENSG00000134255.13 | 4.359391819 | 4.525697558 | 4.300493875 |
| TAX1BP3 | ENSG00000213977.7 | 6.227275507 | 5.270681469 | 3.863736919 |
| SLC25A38 | ENSG00000144659.10 | 5.799091246 | 5.641545797 | 4.58047215 |
| MCAT | ENSG00000100294.12 | 4.083113666 | 3.972299622 | 4.391450958 |
| PTPRF | ENSG00000142949.16 | 6.236165285 | 5.10992014 | 3.917007157 |
| SRF | ENSG00000112658.7 | 5.182189696 | 4.806164028 | 5.430611359 |
| ZNF652 | ENSG00000198740.8 | 3.973993664 | 5.205132372 | 4.506612674 |
| ACYP1 | ENSG00000119640.8 | 4.280049238 | 3.9091594 | 5.091895457 |
| WDR54 | ENSG00000005448.16 | 6.120819549 | 4.923272672 | 3.820546502 |
| LEMD3 | ENSG00000174106.2 | 4.630577972 | 4.064904628 | 3.891399177 |
| DNAJC10 | ENSG00000077232.17 | 3.806609811 | 5.22862355 | 4.950591478 |
| DIMT1 | ENSG00000086189.9 | 5.598510858 | 3.812943011 | 4.42598454 |
| LARP6 | ENSG00000166173.10 | 5.64639604 | 5.213132307 | 5.583881967 |
| FAM133B | ENSG00000234545.7 | 4.234285524 | 4.199777408 | 4.118705033 |
| TGFBR1 | ENSG00000106799.12 | 4.166772807 | 5.494518033 | 4.986746109 |
| RWDD4 | ENSG00000182552.14 | 4.73014348 | 4.150424815 | 3.874428212 |
| GIN52 | ENSG00000131153.8 | 5.156462377 | 4.115043436 | 4.101605746 |
| NRF1 | ENSG00000106459.14 | 4.21257288 | 3.840646618 | 3.896656139 |
| WDR91 | ENSG00000105875.13 | 4.057460015 | 5.986829332 | 5.249494965 |
| PPP2R5A | ENSG00000066027.11 | 5.13328681 | 5.23007797 | 6.294428422 |
| VAC14 | ENSG00000103043.14 | 5.54992139 | 6.463874604 | 6.07546675 |
| PARD3 | ENSG00000148498.15 | 4.531676686 | 3.890289144 | 5.149742194 |
| DDX47 | ENSG00000213782.7 | 7.214839659 | 5.665478389 | 5.872132192 |
| COMMD3 | ENSG00000148444.15 | 5.107520934 | 4.360146519 | 5.38812328 |
| NOMO2 | ENSG00000185164.14 | 4.160885878 | 4.022081104 | 4.102396979 |
| TMEM110 | ENSG00000213533.11 | 4.23852756 | 4.696140363 | 4.06828676 |
| ZNF76 | ENSG00000065029.14 | 4.085851064 | 4.529553832 | 4.338544619 |
| WDR81 | ENSG00000167716.18 | 4.642136656 | 3.987753276 | 4.619943183 |
| CCDC77 | ENSG00000120647.9 | 5.182096559 | 3.912630419 | 4.602077437 |
| TNRC6B | ENSG00000100354.20 | 4.291601416 | 4.854980635 | 4.71465049 |
| CPD | ENSG00000108582.11 | 5.675696816 | 5.552665458 | 6.197304988 |
| LARP4B | ENSG00000107929.14 | 4.729244899 | 4.53332371 | 4.762937487 |
| IFNAR2 | ENSG00000159110.19 | 4.020421102 | 4.391323223 | 4.759526723 |
| LDAH | ENSG00000118961.14 | 4.184606319 | 4.581262503 | 3.866486523 |
| CHML | ENSG00000203668.2 | 5.554376288 | 3.822028702 | 5.736648334 |
| OTULIN | ENSG00000154124.4 | 4.498820053 | 4.412919834 | 4.627081331 |
| STARD4 | ENSG00000164211.12 | 4.057106113 | 4.662305048 | 5.606861418 |
| CDK2AP2 | ENSG00000167797.7 | 5.358202272 | 3.982369918 | 4.574251602 |
| MTND2P28 | ENSG00000225630.1 | 4.03125845 | 4.733090877 | 5.314487414 |
| ZSCAN29 | ENSG00000140265.12 | 4.538999513 | 4.551235459 | 4.594530546 |
| ABHD3 | ENSG00000158201.9 | 4.595873966 | 5.069969276 | 3.873188358 |
| BBS7 | ENSG00000138686.9 | 4.143128606 | 3.851841655 | 4.293098701 |
| SGO2 | ENSG00000163535.17 | 5.092408544 | 4.911089138 | 3.945057731 |
| MRPL1 | ENSG00000169288.17 | 4.974581676 | 4.76973249 | 4.077150129 |
| ENGASE | ENSG00000167280.16 | 4.518689088 | 4.928392582 | 5.236012951 |
| ZFAND2A | ENSG00000178381.11 | 4.608289876 | 5.408288498 | 4.963521256 |

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| KLHDC2 | ENSG00000165516.10 | 5.249284189 | 4.223529788 | 4.519071234 |
| MTR | ENSG00000116984.12 | 5.353268731 | 3.802148868 | 4.271839554 |
| SLC7A6OS | ENSG00000103061.12 | 3.794664557 | 3.928926359 | 5.306046327 |
| SGSM2 | ENSG00000141258.12 | 4.331577615 | 3.947695739 | 4.685140798 |
| DTX2 | ENSG00000091073.19 | 4.123015164 | 4.385857957 | 4.125527294 |
| HGSNAT | ENSG00000165102.14 | 3.76925177 | 4.039105342 | 4.426747262 |
| GON4L | ENSG00000116580.18 | 4.796306744 | 4.845022048 | 4.097368419 |
| BMP1 | ENSG00000168487.17 | 4.507300455 | 4.8259589 | 3.863345554 |
| RPL22L1 | ENSG00000163584.17 | 7.48460362 | 5.115130958 | 5.301901621 |
| DENND6A | ENSG00000174839.12 | 4.898673583 | 4.22335582 | 3.869454859 |
| ZNF121 | ENSG00000197961.11 | 4.879907653 | 5.378205923 | 4.516807944 |
| EEA1 | ENSG00000102189.16 | 4.608953189 | 6.096026611 | 3.815401269 |
| SLK | ENSG00000065613.13 | 5.848385091 | 4.388827509 | 5.228335633 |
| CNIH4 | ENSG00000143771.11 | 5.415789407 | 4.451313778 | 4.002024806 |
| KIFAP3 | ENSG00000075945.12 | 5.964825907 | 4.564499874 | 6.085689614 |
| VPS8 | ENSG00000156931.15 | 3.750605387 | 6.283472213 | 5.501310152 |
| MTATP8P1 | ENSG00000240409.1 | 3.856959526 | 5.695303294 | 4.812423199 |
| PCBP4 | ENSG00000090097.21 | 7.146930443 | 6.061293746 | 3.897896779 |
| TTC38 | ENSG00000075234.16 | 4.159670632 | 4.348725158 | 4.136784466 |
| UTP20 | ENSG00000120800.4 | 5.577746153 | 5.33332232 | 3.777091884 |
| CENPT | ENSG00000102901.12 | 4.661059483 | 3.774672177 | 4.400364434 |
| MRPL34 | ENSG00000130312.6 | 5.971033598 | 5.772965074 | 5.143947283 |
| HSPA1A | ENSG00000204389.9 | 4.790280634 | 5.159482902 | 5.439551619 |
| MECR | ENSG00000116353.15 | 4.15052946 | 4.266444547 | 3.848276944 |
| SETX | ENSG00000107290.13 | 3.854722644 | 5.676650249 | 4.695437463 |
| CAPN7 | ENSG00000131375.9 | 5.474532983 | 5.380189388 | 4.098754489 |
| RNF135 | ENSG00000181481.13 | 4.536273287 | 4.106699941 | 4.284258178 |
| NEK4 | ENSG00000114904.12 | 4.59850974 | 4.290478497 | 3.966985465 |
| ARMC7 | ENSG00000125449.6 | 4.526451334 | 3.873558286 | 4.761336713 |
| IER2 | ENSG00000160888.6 | 6.06156684 | 5.933996692 | 5.966169023 |
| IFT81 | ENSG00000122970.15 | 5.254855932 | 5.812430687 | 3.78996789 |
| OXLD1 | ENSG00000204237.4 | 5.61744393 | 4.885460136 | 4.289859197 |
| DSTYK | ENSG00000133059.16 | 4.150976588 | 4.700787756 | 8.460476455 |
| MPDZ | ENSG00000107186.16 | 5.084092661 | 4.379002743 | 4.971383675 |
| B3GLCT | ENSG00000187676.7 | 3.77725834 | 3.963787288 | 4.13061412 |
| TBL3 | ENSG00000183751.14 | 5.126602325 | 4.52560724 | 4.241267299 |
| MPP1 | ENSG00000130830.14 | 3.902181183 | 4.345347889 | 5.063165238 |
| RAD9A | ENSG00000172613.7 | 4.639628516 | 3.976020473 | 4.920743183 |
| DIRC2 | ENSG00000138463.8 | 3.830283996 | 5.155883717 | 4.668271393 |
| SOS1 | ENSG00000115904.12 | 4.580838479 | 4.549658979 | 4.202607555 |
| EARS2 | ENSG00000103356.15 | 4.897251247 | 4.439311411 | 4.379134693 |
| SNAPC5 | ENSG00000174446.12 | 4.390424958 | 4.464231727 | 4.129878743 |
| RRAS2 | ENSG00000133818.13 | 4.835519416 | 4.854080568 | 4.419312818 |
| FAM126A | ENSG00000122591.11 | 3.912249632 | 5.164281931 | 4.066059202 |
| MAP2K7 | ENSG00000076984.17 | 4.539763592 | 4.068120992 | 4.198692181 |
| PTPN14 | ENSG00000152104.11 | 6.048395221 | 4.857616295 | 4.684514378 |

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| ZPR1 | ENSG00000109917.10 | 5.50072917 | 3.757854427 | 5.082009282 |
| PNMA1 | ENSG00000176903.4 | 4.669717661 | 4.919897534 | 3.812849295 |
| RNASEH2B | ENSG00000136104.19 | 4.834784041 | 3.956597912 | 4.125991212 |
| EXOC8 | ENSG00000116903.7 | 4.303421962 | 3.755196217 | 3.887130924 |
| KLHDC4 | ENSG00000104731.13 | 5.440768503 | 4.68990736 | 5.394702965 |
| SNHG5 | ENSG00000203875.10 | 7.625622404 | 7.229905669 | 4.047746433 |
| CYP20A1 | ENSG00000119004.15 | 3.826780112 | 4.404297317 | 3.952235069 |
| MIS18A | ENSG00000159055.3 | 4.868635714 | 5.111901349 | 3.845020634 |
| KLHL24 | ENSG00000114796.15 | 4.152395196 | 5.729730305 | 5.550014473 |
| PTPRG | ENSG00000144724.19 | 4.850542923 | 5.199708754 | 5.873075898 |
| SELENOO | ENSG00000073169.13 | 3.797466232 | 4.888295886 | 3.905095706 |
| PIGBOS1 | ENSG00000225973.3 | 4.739790291 | 4.76212822 | 4.863540855 |
| CEBPG | ENSG00000153879.8 | 4.9345686 | 4.447596386 | 5.752508598 |
| ASB3 | ENSG00000115239.21 | 4.794675629 | 4.422781866 | 3.821107823 |
| NLK | ENSG00000087095.12 | 4.775001913 | 5.574131084 | 5.704842285 |
| PCDHGC3 | ENSG00000240184.6 | 6.083463684 | 4.769149062 | 6.550227189 |
| ANKS1A | ENSG00000064999.13 | 3.787467596 | 4.880516575 | 8.466196902 |
| RAB11FIP5 | ENSG00000135631.16 | 3.914000052 | 4.451898053 | 4.491374671 |
| VPS33B | ENSG00000184056.14 | 4.625685343 | 4.785392793 | 4.102961729 |
| CENPH | ENSG00000153044.9 | 6.056692984 | 3.986674003 | 4.339390201 |
| CDK8 | ENSG00000132964.11 | 4.822181376 | 4.560988577 | 4.003879726 |
| YIPF4 | ENSG00000119820.10 | 4.687199979 | 4.532197836 | 3.782562869 |
| KTI12 | ENSG00000198841.3 | 5.041891718 | 4.686058841 | 3.908344956 |
| C22orf46 | ENSG00000184208.10 | 4.796235424 | 4.715779829 | 4.534231138 |
| MANBA | ENSG00000109323.8 | 3.900396536 | 4.637762662 | 4.953873444 |
| GMEB2 | ENSG00000101216.10 | 4.176491617 | 3.853010983 | 4.299631133 |
| MED27 | ENSG00000160563.13 | 6.160728223 | 6.049615361 | 3.80290413 |
| CDC42EP4 | ENSG00000179604.9 | 5.477383397 | 4.900870492 | 3.829059787 |
| BET1 | ENSG00000105829.11 | 4.410051951 | 6.061974482 | 4.651553613 |
| PAXIP1 | ENSG00000157212.18 | 4.232586521 | 4.637438483 | 3.861640475 |
| NET1 | ENSG00000173848.18 | 5.988799373 | 3.885188783 | 4.543484849 |
| UCK1 | ENSG00000130717.12 | 5.573852813 | 6.138163111 | 3.841099506 |
| GCAT | ENSG00000100116.16 | 3.806748283 | 5.034328151 | 5.912681606 |
| HKR1 | ENSG00000181666.17 | 4.633461459 | 4.650287851 | 4.703272127 |
| DFNA5 | ENSG00000105928.13 | 3.894869633 | 5.573382355 | 6.023060389 |
| PROSER1 | ENSG00000120685.19 | 4.499753226 | 4.16816376 | 4.570124662 |
| HIPK3 | ENSG00000110422.11 | 3.888585408 | 4.749735042 | 5.839016431 |
| PLK2 | ENSG00000145632.14 | 5.570896184 | 5.955591492 | 3.838601091 |
| TEX41 | ENSG00000226674.8 | 3.768676364 | 5.564578597 | 4.680341796 |
| MPPE1 | ENSG00000154889.16 | 3.983585235 | 4.610278341 | 3.995233828 |
| ANAPC4 | ENSG00000053900.10 | 5.076790035 | 4.053175682 | 5.63948196 |
| PPP3CB | ENSG00000107758.15 | 4.882145194 | 4.932234977 | 5.297028225 |
| LINC00969 | ENSG00000242086.8 | 3.94290159 | 5.246967006 | 4.877620635 |
| PLPP5 | ENSG00000147535.16 | 3.804824776 | 4.815561286 | 4.65245032 |
| SPAG16 | ENSG00000144451.18 | 3.823711638 | 4.864202626 | 5.403105468 |
| GPN2 | ENSG00000142751.14 | 4.845141979 | 3.873566988 | 3.795269458 |

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| TRMT1L | ENSG00000121486.11 | 5.046816487 | 4.379316538 | 3.936034149 |
| LRP6 | ENSG00000070018.8 | 5.387999592 | 4.869580337 | 5.50302995 |
| ICE1 | ENSG00000164151.11 | 5.229314778 | 5.253766347 | 3.795590622 |
| ARHGEF3 | ENSG00000163947.11 | 4.650368725 | 4.439544465 | 7.011195479 |
| CTSH | ENSG00000103811.15 | 3.817443637 | 6.969080708 | 6.86383637 |
| SH3GLB2 | ENSG00000148341.17 | 5.101056624 | 5.65209036 | 4.714111315 |
| CTNNBIP1 | ENSG00000178585.14 | 5.75190603 | 4.009427985 | 5.873933313 |
| SENP1 | ENSG00000079387.13 | 4.962452288 | 3.882382061 | 4.29944256 |
| FZR1 | ENSG00000105325.13 | 4.715624958 | 4.190397982 | 4.404674861 |
| SYNGR2 | ENSG00000108639.7 | 5.09573778 | 5.399002019 | 5.896742145 |
| AGO2 | ENSG00000123908.11 | 4.877593138 | 4.49778432 | 4.321154799 |
| DOHH | ENSG00000129932.8 | 4.323971028 | 3.822642471 | 4.052982788 |
| PLEKHO1 | ENSG00000023902.13 | 4.833235468 | 5.767444959 | 4.271946281 |
| SORD | ENSG00000140263.13 | 5.243846401 | 4.899746261 | 4.79485584 |
| BCKDHA | ENSG00000248098.11 | 5.083827223 | 5.007887422 | 4.310016874 |
| ORC2 | ENSG00000115942.8 | 4.795475386 | 4.920339531 | 4.494293659 |
| ZNF75A | ENSG00000162086.14 | 3.865340191 | 3.896910066 | 4.471464497 |
| CCS | ENSG00000173992.8 | 4.58591965 | 4.396260581 | 4.292462359 |
| TRMT12 | ENSG00000183665.5 | 4.921361492 | 4.283358788 | 4.357641796 |
| LDLRAD3 | ENSG00000179241.12 | 5.46608841 | 6.017228234 | 7.250209218 |
| PAX3 | ENSG00000135903.18 | 3.854956129 | 5.072906169 | 4.970184826 |
| AGAP2-AS1 | ENSG00000255737.2 | 4.432457682 | 4.63404503 | 6.229321745 |
| SUCO | ENSG00000094975.13 | 4.573399828 | 3.803546921 | 4.453671962 |
| MSL3 | ENSG00000005302.17 | 5.492110524 | 4.233287745 | 3.852747832 |
| ZFAND2B | ENSG00000158552.12 | 3.812028304 | 4.18659921 | 4.955706699 |
| FAM60A | ENSG00000139146.13 | 5.256008582 | 5.141819635 | 4.482344357 |
| ZNF503 | ENSG00000165655.16 | 3.741855026 | 4.735191261 | 4.615859798 |
| SLC25A30 | ENSG00000174032.16 | 4.251273912 | 4.394031143 | 4.761258268 |
| UBR1 | ENSG00000159459.11 | 5.215218881 | 4.929319261 | 4.538385415 |
| PHIP | ENSG00000146247.13 | 4.808834205 | 4.012350394 | 3.931484039 |
| ISYNA1 | ENSG00000105655.18 | 3.917240155 | 4.614942167 | 6.782781484 |
| MTERF1 | ENSG00000127989.13 | 4.681110435 | 4.669876699 | 4.931906905 |
| PITPNA-AS1 | ENSG00000236618.2 | 5.261115433 | 3.915516396 | 4.306808212 |
| TFCP2 | ENSG00000135457.9 | 5.385088766 | 4.67176905 | 4.484656789 |
| CBY1 | ENSG00000100211.10 | 4.360316398 | 4.845382567 | 4.560792508 |
| AC067852.2 | ENSG00000266962.2 | 4.905316644 | 4.218789934 | 4.864986569 |
| MOSPD3 | ENSG00000106330.11 | 3.939690896 | 4.756083672 | 5.250448783 |
| C1orf27 | ENSG00000157181.15 | 4.725489024 | 3.995982124 | 3.926761609 |
| PHF3 | ENSG00000118482.11 | 5.792571662 | 5.165563245 | 5.396563539 |
| CEP57 | ENSG00000166037.10 | 5.206097378 | 4.016282759 | 5.778051444 |
| APPL2 | ENSG00000136044.11 | 5.082408265 | 4.295734899 | 3.857633651 |
| NR2C2AP | ENSG00000184162.14 | 5.160489129 | 3.889816975 | 4.134916405 |
| RN7SL1 | ENSG00000276168.1 | 5.713444395 | 5.286486748 | 6.371145066 |
| ETV6 | ENSG00000139083.10 | 4.584878205 | 4.011462382 | 5.421966821 |
| SMARCD3 | ENSG00000082014.16 | 3.790584584 | 3.863082284 | 3.874978679 |
| MCRIP1 | ENSG00000225663.7 | 4.789224158 | 3.739096506 | 5.680331344 |

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| SEC22B | ENSG00000265808.3 | 3.701192584 | 4.161986607 | 3.863332778 |
| NFE2L3 | ENSG00000050344.8 | 5.04711231 | 4.130971504 | 3.791577767 |
| SPC25 | ENSG00000152253.8 | 4.21253667 | 4.716398558 | 3.724059949 |
| REPS1 | ENSG00000135597.18 | 4.480700326 | 5.032514814 | 4.386585855 |
| NOA1 | ENSG00000084092.6 | 4.898285535 | 3.75419419 | 4.414312637 |
| SIRPA | ENSG00000198053.11 | 4.532214236 | 8.260595433 | 5.856289538 |
| NUP107 | ENSG00000111581.9 | 5.550641489 | 4.74095093 | 3.710320006 |
| KYAT3 | ENSG00000137944.17 | 3.79672131 | 4.828051292 | 4.434711998 |
| TBC1D31 | ENSG00000156787.16 | 4.438810531 | 3.913691215 | 4.266091569 |
| SCRN3 | ENSG00000144306.14 | 3.896349052 | 4.755667766 | 4.824963226 |
| CASP6 | ENSG00000138794.9 | 4.172723944 | 4.235637932 | 4.051895051 |
| B4GALT1 | ENSG00000086062.12 | 5.612552737 | 6.221858065 | 3.784709502 |
| FBXL6 | ENSG00000182325.10 | 5.066791376 | 4.158718049 | 3.797435437 |
| TMEM161A | ENSG00000064545.14 | 5.124984148 | 4.664602754 | 4.135714984 |
| KLHL42 | ENSG00000087448.9 | 4.531271291 | 4.076872611 | 4.578072401 |
| SMARCAL1 | ENSG00000138375.12 | 3.964299003 | 5.265029877 | 4.897888231 |
| BNIP1 | ENSG00000113734.17 | 4.793485095 | 3.827947779 | 4.400829456 |
| KCTD1 | ENSG00000134504.12 | 3.775648579 | 4.154290803 | 4.468777159 |
| STAG3L2 | ENSG00000277072.4 | 4.202905719 | 4.148266681 | 4.195936982 |
| RBMXL1 | ENSG00000213516.9 | 4.717849903 | 4.090124106 | 3.772913023 |
| TAF9B | ENSG00000187325.4 | 5.191679572 | 4.301153006 | 4.969161513 |
| C8orf76 | ENSG00000189376.11 | 5.221320864 | 4.406013096 | 4.533565069 |
| ARHGEF40 | ENSG00000165801.9 | 4.890227447 | 5.828096112 | 3.701684941 |
| CEP250 | ENSG00000126001.15 | 4.725902388 | 3.801537026 | 4.270935769 |
| SMU1 | ENSG00000122692.8 | 5.504309093 | 4.192921042 | 3.940798745 |
| STAM2 | ENSG00000115145.9 | 3.767904779 | 4.576733052 | 5.084222865 |
| RCE1 | ENSG00000173653.7 | 4.736129466 | 4.732593586 | 3.983007206 |
| MBOAT2 | ENSG00000143797.11 | 4.013430438 | 4.459689146 | 4.912082183 |
| DOCK1 | ENSG00000150760.12 | 5.363147698 | 4.969263977 | 5.064065574 |
| RFNG | ENSG00000169733.11 | 4.076843238 | 4.954383908 | 5.47613219 |
| FBXO17 | ENSG00000269190.5 | 5.083116137 | 3.90589336 | 3.715240925 |
| SLC25A14 | ENSG00000102078.15 | 5.227320448 | 4.588563697 | 4.665494488 |
| KRT10 | ENSG00000186395.7 | 5.712038667 | 4.890524942 | 5.259956818 |
| TMEM106B | ENSG00000106460.18 | 3.794511754 | 5.088450873 | 4.134184954 |
| CCNY | ENSG00000108100.17 | 5.26990264 | 4.232475379 | 4.863657421 |
| SGK3 | ENSG00000104205.12 | 3.86663905 | 4.046099273 | 3.7207537 |
| PRIM2 | ENSG00000146143.17 | 4.346255499 | 4.326197302 | 3.755350492 |
| WASHC2C | ENSG00000172661.17 | 3.863182262 | 4.002625767 | 5.095841902 |
| ZNF581 | ENSG00000171425.9 | 4.99241459 | 3.71365811 | 5.193080708 |
| TMEM99 | ENSG00000167920.8 | 4.316807043 | 4.147505043 | 5.396476607 |
| TOLLIP | ENSG00000078902.15 | 3.841582122 | 5.653227355 | 5.281191246 |
| PDF | ENSG00000258429.1 | 5.705130119 | 3.824657431 | 5.105569865 |
| WASF3 | ENSG00000132970.12 | 3.736192537 | 4.888709919 | 5.043391282 |
| CAMSAP1 | ENSG00000130559.18 | 4.470605692 | 4.705897209 | 4.982071793 |
| B3GALT6 | ENSG00000176022.4 | 5.042918324 | 3.944264437 | 3.800996267 |
| RGS10 | ENSG00000148908.14 | 5.458891562 | 6.453679386 | 8.159669397 |

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| UEVLD | ENSG00000151116.16 | 3.724875109 | 5.281220699 | 4.193725671 |
| PMS1 | ENSG00000064933.17 | 3.866387455 | 4.42573911 | 5.019963971 |
| RBL1 | ENSG00000080839.11 | 4.826743525 | 3.755290008 | 3.971459952 |
| TBRG1 | ENSG00000154144.12 | 4.823110447 | 4.347191888 | 4.956288505 |
| SIAH1 | ENSG00000196470.11 | 4.605112632 | 3.81048305 | 6.438947189 |
| ICE2 | ENSG00000128915.11 | 4.516038175 | 4.093334226 | 4.616880348 |
| EZH1 | ENSG00000108799.12 | 4.855705964 | 4.931043886 | 5.483487786 |
| N4BP1 | ENSG00000102921.7 | 4.2695523 | 3.730032702 | 4.251312566 |
| WDR35 | ENSG00000118965.14 | 4.750440741 | 4.146283796 | 3.942888215 |
| HDAC7 | ENSG00000061273.17 | 4.908167866 | 3.702702286 | 4.705794787 |
| RBM38 | ENSG00000132819.16 | 4.213709196 | 4.117247823 | 4.027869068 |
| KIF18B | ENSG00000186185.13 | 5.686295234 | 4.474158695 | 3.801823517 |
| IMMP1L | ENSG00000148950.9 | 4.722745509 | 4.026495074 | 5.369965146 |
| EXO1 | ENSG00000174371.16 | 6.131591285 | 3.966409673 | 3.85459599 |
| ATPAF2 | ENSG00000171953.15 | 4.6883551 | 3.952366474 | 3.836954099 |
| ZC3H3 | ENSG00000014164.6 | 4.37939397 | 4.40560346 | 4.379429353 |
| ZFYVE21 | ENSG00000100711.13 | 4.104908285 | 4.897113281 | 3.783735479 |
| ULK1 | ENSG00000177169.9 | 4.449322075 | 4.384760023 | 6.153405322 |
| MRI1 | ENSG00000037757.13 | 6.263630382 | 5.213246119 | 4.030387012 |
| TANC2 | ENSG00000170921.15 | 5.534830834 | 4.637951544 | 4.164308243 |
| TWNK | ENSG00000107815.7 | 6.555010445 | 4.351329708 | 4.52804016 |
| CACNB3 | ENSG00000167535.7 | 4.509826153 | 4.141490063 | 3.905990394 |
| TULP4 | ENSG00000130338.12 | 4.494285478 | 4.739866262 | 4.735640242 |
| GOLGA1 | ENSG00000136935.13 | 4.290122876 | 4.803943296 | 3.691305119 |
| PHF10 | ENSG00000130024.14 | 5.865964987 | 4.691840641 | 4.238445722 |
| DCAKD | ENSG00000172992.11 | 4.397939213 | 5.002010917 | 4.912080717 |
| ACD | ENSG00000102977.13 | 5.173476365 | 3.822064601 | 4.931577479 |
| SMG6 | ENSG00000070366.13 | 4.368778115 | 3.722064426 | 4.345071167 |
| PROS1 | ENSG00000184500.14 | 3.858839602 | 7.59089362 | 5.076869176 |
| ARHGAP18 | ENSG00000146376.10 | 4.435396583 | 3.732223458 | 3.907502855 |
| PCGF3 | ENSG00000185619.18 | 4.963267884 | 3.8177688 | 6.677292547 |
| CCDC94 | ENSG00000105248.15 | 5.00446135 | 4.325567756 | 4.237573808 |
| NDC80 | ENSG00000080986.12 | 5.706589091 | 4.827050301 | 3.803591995 |
| RMI2 | ENSG00000175643.8 | 5.199462714 | 4.280842307 | 3.790443296 |
| BRD1 | ENSG00000100425.18 | 3.794979832 | 3.910490409 | 4.179244916 |
| STAG3L4 | ENSG00000106610.14 | 3.785478055 | 4.640587118 | 4.519231354 |
| ATG4C | ENSG00000125703.14 | 4.124874956 | 3.939411287 | 3.731437365 |
| MARCH5 | ENSG00000198060.9 | 4.970428287 | 4.166084704 | 4.711718836 |
| AC100810.1 | ENSG00000253982.1 | 3.951230992 | 3.842944134 | 4.405541775 |
| NUP188 | ENSG00000095319.14 | 6.602179171 | 5.947493564 | 3.753049647 |
| ERP44 | ENSG00000023318.7 | 5.276284901 | 6.225320542 | 3.692606069 |
| TNIK | ENSG00000154310.16 | 4.164049496 | 5.388173106 | 5.71101615 |
| LNPK | ENSG00000144320.13 | 3.690093246 | 5.446325738 | 4.742389627 |
| ABCC4 | ENSG00000125257.13 | 4.999015023 | 4.588341697 | 4.293173181 |
| PLEKHM1 | ENSG00000225190.10 | 4.004280836 | 4.876279365 | 5.048916085 |
| PIAS4 | ENSG00000105229.6 | 4.410307678 | 4.19929458 | 4.167393135 |

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| EIF4E | ENSG00000151247.12 | 4.755562966 | 4.100892776 | 3.746650056 |
| CTNNAL1 | ENSG00000119326.14 | 6.763929861 | 5.128920312 | 3.874250128 |
| ANGEL2 | ENSG00000174606.13 | 5.742745461 | 3.739521049 | 5.252534984 |
| PPHLN1 | ENSG00000134283.17 | 6.148822271 | 6.116551117 | 3.873447274 |
| AC003002.1 | ENSG00000256060.2 | 4.765068774 | 3.770283385 | 4.281689938 |
| LINC02001 | ENSG00000267321.2 | 4.088991998 | 4.222004817 | 4.15530888 |
| ZKSCAN1 | ENSG00000106261.16 | 5.107848573 | 4.814537269 | 5.174433832 |
| CDC42BPB | ENSG00000198752.10 | 5.256599111 | 5.474783277 | 3.703529667 |
| SLC35A2 | ENSG00000102100.15 | 5.485006856 | 5.054601646 | 3.67615938 |
| ZMAT3 | ENSG00000172667.10 | 3.681756889 | 5.978872297 | 7.145846525 |
| MIR1244-2 | ENSG00000283498.1 | 5.754516798 | 4.983121654 | 3.974443636 |
| AP5B1 | ENSG00000254470.2 | 4.63789114 | 4.702847544 | 4.314922898 |
| KCTD20 | ENSG00000112078.13 | 4.383026287 | 5.450549943 | 6.928110654 |
| SLC9A3R1 | ENSG00000109062.11 | 4.666136844 | 4.219396577 | 4.621785503 |
| RIPK4 | ENSG00000183421.11 | 5.142095027 | 6.861948259 | 3.746081309 |
| SIAH2 | ENSG00000181788.3 | 5.308837987 | 4.357004979 | 4.318049221 |
| TSPAN17 | ENSG00000048140.17 | 3.948398223 | 5.125033595 | 4.769875996 |
| SMC5 | ENSG00000198887.8 | 5.745296532 | 4.814640995 | 3.662694389 |
| FAM173B | ENSG00000150756.13 | 3.714775246 | 4.440247581 | 4.524146667 |
| XRN1 | ENSG00000114127.10 | 4.443694558 | 4.103813277 | 4.471506014 |
| C2CD3 | ENSG00000168014.16 | 4.840789572 | 5.116709117 | 4.528103231 |
| VHL | ENSG00000134086.7 | 4.989588354 | 4.440048097 | 4.224024605 |
| MAPK14 | ENSG00000112062.10 | 4.691375634 | 4.529036871 | 5.266032977 |
| ZNF131 | ENSG00000172262.11 | 4.711713696 | 3.812565068 | 4.277426576 |
| COQ3 | ENSG00000132423.11 | 4.946161511 | 4.006821304 | 3.858181805 |
| FBXO45 | ENSG00000174013.7 | 4.335962313 | 3.926486165 | 3.773222976 |
| LINC00667 | ENSG00000263753.6 | 4.53173607 | 5.384539353 | 3.955195026 |
| ETHE1 | ENSG00000105755.7 | 6.521850803 | 4.780526647 | 5.35398443 |
| WDR6 | ENSG00000178252.17 | 4.769312371 | 4.237206762 | 4.104936069 |
| TFB1M | ENSG00000029639.10 | 6.091736 | 3.812416494 | 4.007197697 |
| MOB2 | ENSG00000182208.13 | 4.395413508 | 4.822465866 | 4.830384589 |
| THADA | ENSG00000115970.18 | 5.416153283 | 4.780551905 | 3.76786872 |
| ABHD6 | ENSG00000163686.14 | 4.558902491 | 5.195975942 | 3.743199578 |
| TMEM186 | ENSG00000184857.7 | 5.069298013 | 4.262679427 | 3.948894473 |
| UPF2 | ENSG00000151461.19 | 4.524506163 | 4.185665237 | 4.579557065 |
| IGHMBP2 | ENSG00000132740.8 | 4.578754963 | 4.17263665 | 4.468196928 |
| MCC | ENSG00000171444.17 | 3.653306408 | 3.926469895 | 6.038245948 |
| HEATR1 | ENSG00000119285.10 | 7.069635395 | 4.898268872 | 4.871846894 |
| ATP6V0A2 | ENSG00000185344.13 | 4.24505074 | 4.083274213 | 4.379411339 |
| LRIF1 | ENSG00000121931.15 | 3.76396182 | 4.881734804 | 4.771165945 |
| IFT80 | ENSG00000068885.14 | 4.50365652 | 4.779081851 | 4.499244426 |
| AC006504.5 | ENSG00000267575.6 | 4.273260542 | 4.503948933 | 4.312362088 |
| TRNAU1AP | ENSG00000180098.9 | 4.516254612 | 3.819024391 | 4.223375237 |
| BCAT2 | ENSG00000105552.14 | 5.838289001 | 5.701995251 | 4.734733377 |
| LACTB | ENSG00000103642.11 | 3.777114918 | 5.543062051 | 5.341786626 |
| AQR | ENSG00000021776.10 | 4.942134009 | 4.620918673 | 4.020071946 |

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| UBR7 | ENSG00000012963.14 | 5.408382682 | 4.117653707 | 3.70576794 |
| FAAP20 | ENSG00000162585.16 | 5.796552555 | 5.991307898 | 6.454439157 |
| MTERF4 | ENSG00000122085.16 | 4.316325467 | 4.642256856 | 4.13414566 |
| NEDD4 | ENSG00000069869.15 | 4.865545556 | 3.703964625 | 5.010074859 |
| PLA2G4A | ENSG00000116711.9 | 4.174830517 | 5.113325066 | 4.138820134 |
| SMARCA1 | ENSG00000102038.15 | 5.290337381 | 5.816841093 | 6.095786851 |
| DPCD | ENSG00000166171.12 | 5.420036758 | 3.939061471 | 4.185355861 |
| ANKRD13C | ENSG00000118454.12 | 4.378474432 | 3.671690225 | 4.155617852 |
| GALK1 | ENSG00000108479.11 | 4.232938063 | 4.908131058 | 3.755197285 |
| KATNAL1 | ENSG00000102781.13 | 3.74895834 | 4.086418267 | 3.828776506 |
| UBR3 | ENSG00000144357.16 | 3.686892861 | 4.401829633 | 4.727885804 |
| GANC | ENSG00000214013.9 | 4.365193959 | 4.719054285 | 4.621121415 |
| GNPDA2 | ENSG00000163281.11 | 4.500508973 | 3.793004433 | 5.512598194 |
| MLLT10 | ENSG00000078403.16 | 4.837168543 | 4.41709496 | 4.68029545 |
| COG8 | ENSG00000213380.14 | 4.538849271 | 4.203822843 | 4.198350987 |
| MT-TK | ENSG00000210156.1 | 4.228104552 | 5.883807254 | 3.995278876 |
| RNF41 | ENSG00000181852.17 | 6.043005813 | 4.206692253 | 3.752607261 |
| UBE2K | ENSG00000078140.13 | 6.60764779 | 4.161187693 | 7.185972207 |
| HEATR3 | ENSG00000155393.12 | 5.038911626 | 3.657212274 | 3.765683065 |
| RAPH1 | ENSG00000173166.17 | 4.079943974 | 4.637048808 | 3.693150953 |
| NUF2 | ENSG00000143228.12 | 6.679395215 | 4.919895655 | 3.657876243 |
| RSU1 | ENSG00000148484.17 | 4.459221463 | 4.359814579 | 4.984217611 |
| RAPGEF6 | ENSG00000158987.20 | 4.175268346 | 3.636144882 | 4.215891796 |
| NEDD9 | ENSG00000111859.16 | 4.040822767 | 5.494788704 | 4.341384988 |
| AC026401.3 | ENSG00000280206.1 | 5.16316086 | 3.727745148 | 6.553788567 |
| TMEM192 | ENSG00000170088.13 | 3.754313722 | 4.33534378 | 4.616822277 |
| BRD3 | ENSG00000169925.16 | 5.075725796 | 4.67620626 | 4.35942573 |
| SNAPC3 | ENSG00000164975.15 | 5.083925372 | 4.242789896 | 3.942564036 |
| CENPS | ENSG00000175279.21 | 5.377632171 | 4.517600966 | 3.976991006 |
| PCNT | ENSG00000160299.16 | 4.465673867 | 4.115626353 | 3.757954445 |
| RIOX1 | ENSG00000170468.7 | 4.293605918 | 4.48590684 | 3.890991047 |
| ST3GAL6 | ENSG00000064225.12 | 3.830711895 | 7.219487201 | 8.660004591 |
| SLC50A1 | ENSG00000169241.17 | 6.210495302 | 6.122610824 | 3.847128387 |
| HDAC5 | ENSG00000108840.15 | 5.119312308 | 4.626117535 | 5.971421294 |
| SPRYD7 | ENSG00000123178.14 | 3.931038867 | 3.917809478 | 3.778028505 |
| TRAPPC13 | ENSG00000113597.17 | 4.485254361 | 4.415928172 | 3.728986729 |
| VTA1 | ENSG00000009844.15 | 4.830568878 | 4.546228662 | 4.118502036 |
| TMEM189 | ENSG00000240849.10 | 5.714831206 | 3.866652765 | 4.793943111 |
| STK35 | ENSG00000125834.12 | 4.458851087 | 4.509828408 | 3.673087965 |
| DYRK1A | ENSG00000157540.19 | 4.126091645 | 4.365856695 | 4.593062597 |
| ECSIT | ENSG00000130159.13 | 5.789474091 | 4.631166492 | 5.034282651 |
| RBM45 | ENSG00000155636.14 | 4.24621899 | 4.322040739 | 4.347400429 |
| MRM3 | ENSG00000171861.10 | 5.167494592 | 3.988027252 | 3.714938479 |
| CDH2 | ENSG00000170558.8 | 6.6001596 | 4.387443214 | 3.656862566 |
| SNHG4 | ENSG00000281398.2 | 6.188474968 | 4.568000734 | 6.877546762 |
| FNBP1 | ENSG00000187239.16 | 4.670304524 | 5.123284311 | 3.735699449 |

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| FAM200B | ENSG00000237765.6 | 4.754102125 | 3.885938508 | 6.286029344 |
| TAZ | ENSG00000102125.15 | 4.236012675 | 5.145915583 | 4.469044117 |
| SHOC2 | ENSG00000108061.11 | 4.938205175 | 4.267581451 | 5.07358707 |
| MVK | ENSG00000110921.13 | 4.282347069 | 4.031333735 | 3.674632756 |
| EMC10 | ENSG00000161671.16 | 3.82129165 | 5.332899494 | 5.21704978 |
| TTF2 | ENSG00000116830.11 | 4.306577315 | 4.159129621 | 3.676680176 |
| FOXP4 | ENSG00000137166.14 | 4.582187675 | 4.295516534 | 4.550533915 |
| RPS6KA3 | ENSG00000177189.12 | 6.59406802 | 4.795872264 | 6.94614766 |
| CCDC22 | ENSG00000101997.12 | 4.399877094 | 4.352871212 | 4.25973193 |
| PEX14 | ENSG00000142655.12 | 4.794095929 | 4.985052185 | 4.690464753 |
| RAD51AP1 | ENSG00000111247.14 | 5.014536376 | 4.09932179 | 5.089349658 |
| CCDC25 | ENSG00000147419.17 | 5.077746486 | 4.403510503 | 4.003875278 |
| ZFYVE1 | ENSG00000165861.13 | 3.684805333 | 3.995663057 | 4.589373421 |
| CCDC71 | ENSG00000177352.9 | 5.552361452 | 4.923360817 | 3.73476504 |
| CCDC115 | ENSG00000136710.9 | 3.919691738 | 5.780564138 | 5.204330613 |
| IDE | ENSG00000119912.15 | 5.650018502 | 3.856108917 | 4.806549713 |
| MFSD14C | ENSG00000196312.12 | 3.789972413 | 5.515598853 | 3.81138849 |
| GCLC | ENSG00000001084.10 | 4.906347822 | 4.117584318 | 4.643327442 |
| VPS13D | ENSG00000048707.13 | 4.032620091 | 4.439131394 | 5.059681611 |
| DZIP3 | ENSG00000198919.12 | 3.808425816 | 4.394421935 | 4.623483152 |
| TLK1 | ENSG00000198586.13 | 3.664081955 | 5.246055514 | 5.590633563 |
| IER3IP1 | ENSG00000134049.5 | 4.525660693 | 4.603104573 | 4.911202366 |
| MIGA2 | ENSG00000148343.18 | 4.40045726 | 4.898190431 | 3.884242479 |
| PILRB | ENSG00000121716.20 | 3.91256239 | 4.382843857 | 6.121692194 |
| PECR | ENSG00000115425.13 | 3.640002128 | 5.113489396 | 5.773379637 |
| ZNF721 | ENSG00000182903.15 | 4.648398174 | 3.749684956 | 4.953538662 |
| PEX10 | ENSG00000157911.9 | 4.239711558 | 5.000603648 | 4.372860141 |
| ZSWIM1 | ENSG00000168612.4 | 4.089787201 | 3.820610591 | 4.163513004 |
| SLC39A8 | ENSG00000138821.12 | 4.62530505 | 4.719122626 | 6.781988957 |
| ODF2L | ENSG00000122417.15 | 4.822726043 | 5.141612051 | 3.665272009 |
| PAFAH2 | ENSG00000158006.13 | 3.918889411 | 4.877751555 | 4.11580099 |
| GABBR1 | ENSG00000204681.10 | 3.763579681 | 5.260148057 | 5.9395353 |
| PIGA | ENSG00000165195.15 | 4.707141787 | 4.19549373 | 4.801582095 |
| PPM1A | ENSG00000100614.17 | 4.347049847 | 4.204677549 | 4.849328339 |
| BUD13 | ENSG00000137656.11 | 5.240186041 | 3.746045394 | 3.872298801 |
| CLOCK | ENSG00000134852.14 | 4.457830378 | 3.806760833 | 4.910947135 |
| SIK3 | ENSG00000160584.15 | 4.773750837 | 4.096412742 | 4.304787296 |
| TXLNG | ENSG00000086712.12 | 5.589802889 | 3.674052304 | 4.035309592 |
| MAU2 | ENSG00000129933.20 | 5.557081267 | 4.636360523 | 4.312972596 |
| TMEM35B | ENSG00000243749.1 | 4.047999409 | 4.986603377 | 3.741458006 |
| C10orf90 | ENSG00000154493.17 | 5.42976916 | 5.915364911 | 6.939408127 |
| TRNP1 | ENSG00000253368.3 | 6.136994098 | 4.741177375 | 4.760864173 |
| NCOA3 | ENSG00000124151.18 | 4.524290327 | 4.569695465 | 4.445107093 |
| MEX3C | ENSG00000176624.10 | 5.67740275 | 6.510901743 | 6.912007721 |
| SFMBT1 | ENSG00000163935.13 | 3.95719632 | 4.148130497 | 4.562454832 |
| ZHX3 | ENSG00000174306.21 | 4.518811975 | 3.73293536 | 5.784584313 |

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| BDH1 | ENSG00000161267.11 | 4.206771219 | 4.410949861 | 4.246476778 |
| HDGFL3 | ENSG00000166503.8 | 3.961844836 | 3.675402302 | 4.239159423 |
| NPHP3 | ENSG00000113971.19 | 4.007858779 | 4.480920376 | 3.752730286 |
| FAM219A | ENSG00000164970.14 | 4.513885787 | 4.662588709 | 4.378940499 |
| EDEM3 | ENSG00000116406.18 | 4.889209051 | 4.806031529 | 3.970303376 |
| APOBEC3B | ENSG00000179750.15 | 4.961302963 | 3.638313901 | 3.701687402 |
| APOPT1 | ENSG00000256053.7 | 4.454726081 | 4.793164851 | 3.755679987 |
| GEMIN4 | ENSG00000179409.10 | 5.180850517 | 3.991862361 | 3.86784901 |
| SLC25A23 | ENSG00000125648.14 | 3.824005836 | 5.785195731 | 6.121819386 |
| TMUB2 | ENSG00000168591.15 | 3.727295254 | 4.252855637 | 4.290041298 |
| TCAIM | ENSG00000179152.19 | 4.912065161 | 4.585888071 | 4.728974944 |
| BAIAP2L1 | ENSG00000006453.13 | 4.877270596 | 6.09237068 | 5.461323339 |
| UBAP1 | ENSG00000165006.13 | 5.562722343 | 4.637087765 | 4.309853044 |
| PUS3 | ENSG00000110060.8 | 5.290115456 | 4.288994568 | 4.301302637 |
| CAV2 | ENSG00000105971.14 | 3.759830434 | 4.670931237 | 4.819556118 |
| DNASE1L1 | ENSG00000013563.13 | 4.667144742 | 4.715619048 | 4.200895408 |
| PHC3 | ENSG00000173889.15 | 3.696186211 | 4.718061867 | 4.371291314 |
| IFFO2 | ENSG00000169991.10 | 4.343907031 | 4.841203702 | 3.684974633 |
| RFK | ENSG00000135002.11 | 5.642549912 | 5.492940247 | 3.663953702 |
| CLCC1 | ENSG00000121940.15 | 4.392736753 | 3.847751881 | 3.998167886 |
| THOC6 | ENSG00000131652.13 | 5.680831155 | 4.014663783 | 3.893480349 |
| ING3 | ENSG00000071243.15 | 4.696203471 | 3.938754067 | 4.079132755 |
| CEP170 | ENSG00000143702.15 | 5.205763231 | 4.282427868 | 3.708445922 |
| PTCD1 | ENSG00000106246.17 | 4.10281563 | 4.427116164 | 3.751340476 |
| ITFG2 | ENSG00000111203.11 | 4.467768495 | 3.994182856 | 5.492904268 |
| ALG13 | ENSG00000101901.11 | 5.011195889 | 4.660958441 | 5.103250587 |
| EIF2AK3 | ENSG00000172071.11 | 3.636795864 | 4.848486945 | 3.847358948 |
| ZADH2 | ENSG00000180011.6 | 4.381809037 | 4.407733541 | 5.400550935 |
| MEGF9 | ENSG00000106780.8 | 4.133874913 | 4.860357243 | 4.074587201 |
| FKBP15 | ENSG00000119321.8 | 4.463798848 | 5.136670086 | 3.803866249 |
| MSL2 | ENSG00000174579.3 | 4.725878715 | 4.136850732 | 4.322473891 |
| ZNF212 | ENSG00000170260.8 | 4.000769488 | 4.177763436 | 3.694471034 |
| DNAJC30 | ENSG00000176410.7 | 4.019043183 | 5.198854699 | 3.64066701 |
| GOPC | ENSG00000047932.13 | 4.643502988 | 4.354302185 | 4.110851754 |
| TTI2 | ENSG00000129696.12 | 4.624128135 | 4.219026828 | 3.646130252 |
| SLC25A15 | ENSG00000102743.14 | 5.720482524 | 4.678880576 | 3.664570666 |
| ADAL | ENSG00000168803.14 | 4.286250911 | 4.176949092 | 4.440847068 |
| GPATCH3 | ENSG00000198746.12 | 4.443637034 | 3.986474925 | 3.720270465 |
| HINT3 | ENSG00000111911.6 | 3.943136308 | 4.075019608 | 4.417433121 |
| LIG4 | ENSG00000174405.13 | 4.608440641 | 4.113717094 | 4.134844645 |
| MAP3K7 | ENSG00000135341.17 | 5.035110894 | 4.601929965 | 3.824593543 |
| MFAP3 | ENSG00000037749.11 | 5.075345979 | 4.411882583 | 4.791267509 |
| XPNPEP3 | ENSG00000196236.12 | 4.177253943 | 4.885428828 | 4.159519405 |
| KIAA1524 | ENSG00000163507.13 | 5.537915576 | 4.58854897 | 3.813327723 |
| LRR8A | ENSG00000136802.11 | 5.870825857 | 6.739075959 | 3.608956765 |
| AFDN | ENSG00000130396.20 | 3.72341831 | 4.732103034 | 5.650438742 |

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| SPIRE1 | ENSG00000134278.15 | 3.653993898 | 5.794556103 | 7.350431607 |
| MED16 | ENSG00000175221.14 | 5.124517412 | 4.50706095 | 4.665780131 |
| SPC24 | ENSG00000161888.11 | 5.631689067 | 3.774088068 | 4.018081502 |
| BORCS8 | ENSG00000254901.7 | 4.905781853 | 5.325130628 | 3.657830986 |
| EBPL | ENSG00000123179.13 | 5.654311683 | 4.352036315 | 3.78182374 |
| SSNA1 | ENSG00000176101.11 | 5.771841697 | 5.308900645 | 4.12222465 |
| RBM15 | ENSG00000162775.14 | 4.310769827 | 3.733150799 | 3.664606118 |
| TBC1D13 | ENSG00000107021.15 | 5.312289177 | 5.506495362 | 3.586665798 |
| SLC25A33 | ENSG00000171612.6 | 3.950047274 | 4.069726304 | 4.44662141 |
| ATG16L1 | ENSG00000085978.21 | 4.707469999 | 4.358440946 | 3.949379514 |
| LGALS8 | ENSG00000116977.18 | 5.81018831 | 5.167926783 | 5.570811138 |
| IFT88 | ENSG00000032742.17 | 4.276839825 | 3.663962337 | 4.178495179 |
| MID1IP1 | ENSG00000165175.15 | 4.923341692 | 4.068855042 | 6.693612099 |
| DTL | ENSG00000143476.17 | 5.678036957 | 3.59607563 | 4.084208192 |
| RPP40 | ENSG00000124787.13 | 4.493327484 | 4.017342269 | 4.261720628 |
| PIK3C3 | ENSG00000078142.12 | 4.668568718 | 5.046135525 | 4.236890576 |
| HMGB3 | ENSG00000029993.14 | 6.109194112 | 5.717324785 | 3.951887037 |
| ATG5 | ENSG00000057663.14 | 4.219063848 | 4.212387625 | 4.211320476 |
| AC092718.4 | ENSG00000261061.1 | 4.847916462 | 3.798587937 | 3.824637189 |
| GIT2 | ENSG00000139436.20 | 5.215886137 | 5.55583915 | 3.842081945 |
| SH3TC1 | ENSG00000125089.16 | 4.343307898 | 5.380641434 | 7.376897469 |
| ZNF608 | ENSG00000168916.15 | 4.297082385 | 4.21650236 | 5.236221769 |
| BTD | ENSG00000169814.12 | 4.487566611 | 5.169705559 | 3.822061853 |
| ZSCAN21 | ENSG00000166529.14 | 3.746854236 | 4.07121297 | 3.888287782 |
| LIMK2 | ENSG00000182541.17 | 3.698942124 | 5.208828552 | 5.09909978 |
| ZER1 | ENSG00000160445.10 | 4.975443839 | 5.110683819 | 4.026600977 |
| LPIN2 | ENSG00000101577.9 | 4.533078148 | 4.765497964 | 4.654018923 |
| VIPAS39 | ENSG00000151445.15 | 4.623043029 | 3.820547059 | 4.122584629 |
| SLC43A1 | ENSG00000149150.8 | 4.312527946 | 3.847247901 | 3.891831438 |
| KIZ | ENSG00000088970.15 | 3.929196219 | 3.720644496 | 4.336587374 |
| LMO7 | ENSG00000136153.19 | 3.661533705 | 4.105565072 | 4.990382391 |
| NACC2 | ENSG00000148411.7 | 4.87754723 | 6.073002731 | 5.829060626 |
| RANGRF | ENSG00000108961.13 | 5.687897123 | 3.874101994 | 5.385208547 |
| CCNYL1 | ENSG00000163249.11 | 4.431759766 | 5.245735673 | 4.364432931 |
| UBXN11 | ENSG00000158062.20 | 4.013236649 | 4.876060294 | 3.861752092 |
| KIAA1468 | ENSG00000134444.13 | 4.178487499 | 4.903772947 | 4.096208948 |
| HSPA14 | ENSG00000187522.14 | 5.562263743 | 4.531486559 | 3.843076029 |
| PRKAR2A | ENSG00000114302.15 | 5.99630415 | 5.438875848 | 5.299927759 |
| DPYSL2 | ENSG00000092964.17 | 6.021753635 | 4.914403185 | 3.755615518 |
| ANKRD52 | ENSG00000139645.9 | 6.403723076 | 5.440844923 | 3.995693317 |
| GABARAPL1 | ENSG00000139112.10 | 3.859810313 | 5.680200681 | 7.202899345 |
| CENPQ | ENSG00000031691.6 | 4.600088448 | 3.701138636 | 3.658296877 |
| KIF16B | ENSG00000089177.18 | 3.973386975 | 4.776658472 | 3.82689608 |
| CKAP2L | ENSG00000169607.12 | 5.277834633 | 3.832020619 | 3.707566844 |
| OIP5-AS1 | ENSG00000247556.6 | 4.460132623 | 5.55364015 | 5.201540509 |
| NEDD1 | ENSG00000139350.11 | 5.670448205 | 4.670889762 | 3.691123372 |

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| ST7L | ENSG00000007341.18 | 4.477361463 | 3.720375421 | 3.746645909 |
| WDHD1 | ENSG00000198554.11 | 3.666620504 | 3.674991634 | 3.728439451 |
| CDON | ENSG00000064309.14 | 5.00701749 | 3.6940787 | 4.162360461 |
| IPO4 | ENSG00000196497.16 | 6.01941284 | 4.346087127 | 4.290261252 |
| USP13 | ENSG00000058056.8 | 3.734754632 | 3.570936355 | 4.64197938 |
| LRP12 | ENSG00000147650.11 | 4.333920233 | 4.680773631 | 5.87438246 |
| FRG1HP | ENSG00000276291.5 | 5.334086801 | 4.140060329 | 4.431813673 |
| FAM160A2 | ENSG00000051009.10 | 3.996328908 | 5.444740676 | 4.839733122 |
| AC018638.5 | ENSG00000243679.1 | 3.640981229 | 5.15275093 | 4.746782614 |
| WDR70 | ENSG00000082068.8 | 5.172141328 | 4.364693389 | 3.852874904 |
| SUGT1 | ENSG00000165416.14 | 4.89422602 | 4.053000022 | 3.580915262 |
| ZNF621 | ENSG00000172888.11 | 4.708479682 | 5.280087547 | 5.288093461 |
| POP1 | ENSG00000104356.10 | 5.12989303 | 5.037337654 | 3.626150763 |
| MBIP | ENSG00000151332.18 | 3.992795502 | 3.871792541 | 4.144167492 |
| TMEM68 | ENSG00000167904.14 | 4.528921367 | 4.494625168 | 4.852295661 |
| SLC39A11 | ENSG00000133195.11 | 4.162875686 | 4.849457773 | 6.085970625 |
| ZBTB48 | ENSG00000204859.12 | 4.350736245 | 4.285043712 | 4.325815259 |
| EBLN3P | ENSG00000281649.1 | 5.536719937 | 5.500606064 | 4.616136717 |
| ZNF143 | ENSG00000166478.9 | 4.608927087 | 3.599224658 | 3.5831248 |
| DCAF5 | ENSG00000139990.17 | 4.184037354 | 4.227016199 | 4.438034802 |
| ADGRL1 | ENSG00000072071.16 | 5.730986481 | 4.679074458 | 4.487058835 |
| SNX25 | ENSG00000109762.15 | 4.774297315 | 3.777128259 | 5.50068772 |
| INO80 | ENSG00000128908.15 | 4.720265762 | 4.683245159 | 4.154040884 |
| QPCTL | ENSG00000011478.11 | 4.671818574 | 5.249363423 | 3.777459378 |
| WDR4 | ENSG00000160193.11 | 4.676403109 | 4.223213321 | 3.68674228 |
| ATMIN | ENSG00000166454.9 | 5.427710727 | 5.110269552 | 4.971798129 |
| ZGPAT | ENSG00000197114.11 | 4.863428601 | 3.763558635 | 4.745226083 |
| WDR60 | ENSG00000126870.15 | 3.625483065 | 4.056089367 | 4.99804316 |
| TFAP2A | ENSG00000137203.10 | 3.696850206 | 7.164528056 | 6.687067379 |
| ATF5 | ENSG00000169136.10 | 4.602714207 | 4.417373077 | 4.649856512 |
| HECTD4 | ENSG00000173064.12 | 4.082746731 | 4.579807965 | 3.692671928 |
| INPP4A | ENSG00000040933.15 | 3.757266756 | 4.28263112 | 4.254787588 |
| IMPA2 | ENSG00000141401.11 | 5.101908226 | 5.923097622 | 3.762242123 |
| PLEKHJ1 | ENSG00000104886.11 | 3.736104001 | 4.396924319 | 3.993753979 |
| GPSM1 | ENSG00000160360.12 | 5.75383664 | 5.53569937 | 5.600984965 |
| PIGN | ENSG00000197563.10 | 3.643842092 | 5.051306776 | 4.455534673 |
| RNF157 | ENSG00000141576.14 | 4.947089691 | 3.620197411 | 5.766902969 |
| UBALD1 | ENSG00000153443.12 | 5.701542528 | 4.892430545 | 4.918916507 |
| RTN4IP1 | ENSG00000130347.12 | 3.686426875 | 3.677730962 | 3.976444754 |
| RNF168 | ENSG00000163961.4 | 3.968778573 | 3.828981818 | 3.607929595 |
| KIAA1549L | ENSG00000110427.14 | 5.522751402 | 6.285868139 | 3.626625601 |
| RUBCN | ENSG00000145016.15 | 3.826017442 | 4.707998933 | 4.486717978 |
| BLOC1S4 | ENSG00000186222.4 | 4.888179553 | 3.828495577 | 5.327997861 |
| CRLF3 | ENSG00000176390.11 | 5.000413001 | 4.446769617 | 4.579623789 |
| WBP4 | ENSG00000120688.8 | 4.597437413 | 3.585298134 | 4.427726259 |
| PHLDA3 | ENSG00000174307.6 | 5.787250266 | 6.679015584 | 6.535193772 |

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| MNAT1 | ENSG00000020426.10 | 4.545292635 | 3.619623352 | 4.142007594 |
| DLX1 | ENSG00000144355.14 | 4.494898673 | 4.007492673 | 6.36595637 |
| HERC4 | ENSG00000148634.15 | 4.42086223 | 4.732682964 | 4.968718716 |
| SLC7A6 | ENSG00000103064.13 | 4.660816936 | 4.403748182 | 4.985787653 |
| TPCN1 | ENSG00000186815.12 | 4.490912264 | 5.705337185 | 3.642406343 |
| NR2C1 | ENSG00000120798.16 | 4.685394646 | 4.455420657 | 3.615472166 |
| RARS2 | ENSG00000146282.17 | 5.525885711 | 5.037198206 | 4.436984921 |
| FCHSD1 | ENSG00000197948.10 | 3.632063578 | 4.807613573 | 5.603977101 |
| SMAP1 | ENSG00000112305.14 | 4.745730825 | 3.865931196 | 4.741142762 |
| TUBGCP4 | ENSG00000137822.12 | 4.927463787 | 4.469618089 | 4.156674881 |
| KLHL9 | ENSG00000198642.6 | 5.45738139 | 4.418808198 | 4.374836066 |
| UFL1 | ENSG00000014123.9 | 4.0057668 | 4.335119921 | 4.320095155 |
| LRFN3 | ENSG00000126243.8 | 4.360802092 | 5.485615014 | 4.602696538 |
| RAB17 | ENSG00000124839.12 | 4.041508647 | 6.503646944 | 6.031032769 |
| SGPL1 | ENSG00000166224.16 | 4.388069115 | 4.424178614 | 4.445658535 |
| TANGO6 | ENSG00000103047.7 | 3.608376542 | 4.335966689 | 3.868683403 |
| MDM2 | ENSG00000135679.22 | 6.07377611 | 7.174625214 | 6.752684243 |
| GLCE | ENSG00000138604.9 | 5.091712633 | 4.533948456 | 6.156008895 |
| CNST | ENSG00000162852.13 | 5.553116982 | 3.605876262 | 5.454640359 |
| SLC25A10 | ENSG00000183048.11 | 5.495223697 | 4.044803009 | 3.806261393 |
| BAZ2B | ENSG00000123636.17 | 3.953287184 | 5.3223033 | 5.537244819 |
| FBXL19 | ENSG00000099364.16 | 5.611279423 | 4.546188591 | 4.134558323 |
| HLCS | ENSG00000159267.14 | 3.906290504 | 4.382004753 | 4.782949881 |
| UHRF1BP1L | ENSG00000111647.12 | 4.88045814 | 3.951700546 | 3.710798439 |
| BBS2 | ENSG00000125124.11 | 5.370854154 | 4.319919629 | 5.947174758 |
| KAT6A | ENSG00000083168.9 | 4.796400636 | 4.327575645 | 5.092458631 |
| POLR3A | ENSG00000148606.12 | 5.072378314 | 3.907009792 | 4.154368621 |
| ZSCAN25 | ENSG00000197037.10 | 4.018231109 | 4.413139659 | 3.563430312 |
| PIGF | ENSG00000151665.12 | 4.894503625 | 4.683582893 | 3.656135348 |
| MAP2K4 | ENSG00000065559.14 | 4.692328228 | 3.79127795 | 5.047660495 |
| PPP1R3D | ENSG00000132825.6 | 3.533904124 | 3.854894516 | 4.966969246 |
| TMCO4 | ENSG00000162542.13 | 4.056985103 | 4.397923021 | 4.419850723 |
| CD68 | ENSG00000129226.13 | 3.574143828 | 5.195549367 | 4.240480583 |
| TMEM161B | ENSG00000164180.13 | 4.314748271 | 3.863964269 | 5.07540174 |
| SRBD1 | ENSG00000068784.12 | 4.657974687 | 4.533527383 | 3.53295844 |
| TSEN15 | ENSG00000198860.11 | 5.087540653 | 4.187568841 | 4.712934195 |
| TUBGCP5 | ENSG00000275835.4 | 4.586276859 | 4.463934294 | 3.65325134 |
| APBA3 | ENSG00000011132.11 | 4.059903236 | 3.845246768 | 3.969360349 |
| AHSA2 | ENSG00000173209.22 | 3.996019973 | 4.524374867 | 4.572586301 |
| SSH3 | ENSG00000172830.12 | 4.034765072 | 3.941896408 | 4.788649763 |
| ARID1B | ENSG00000049618.22 | 4.586232133 | 4.63883808 | 4.74747619 |
| CORO7 | ENSG00000262246.5 | 4.578164372 | 4.599024799 | 4.639066515 |
| ANKRD50 | ENSG00000151458.11 | 5.813936564 | 3.664058379 | 3.883006536 |
| IFNGR1 | ENSG00000027697.13 | 4.371883963 | 5.509402139 | 5.087648325 |
| RCCD1 | ENSG00000166965.12 | 3.924195625 | 3.962042795 | 3.52758268 |
| RNF166 | ENSG00000158717.10 | 4.828910969 | 4.087131291 | 4.535837848 |

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| MLF1 | ENSG00000178053.17 | 4.326007309 | 4.387854296 | 4.231766025 |
| ATG2A | ENSG00000110046.12 | 4.628809115 | 5.03351897 | 4.460495148 |
| PPOX | ENSG00000143224.17 | 4.664270854 | 4.670716414 | 4.361678913 |
| YBX1P1 | ENSG00000224861.1 | 4.769870514 | 4.089859761 | 3.629501473 |
| PDK2 | ENSG00000005882.11 | 4.147291609 | 4.579904445 | 4.836102788 |
| TOPORS | ENSG00000197579.7 | 5.346895208 | 4.139228306 | 3.672528486 |
| DNAJC24 | ENSG00000170946.14 | 4.557283046 | 4.828187771 | 4.650341519 |
| HMOX1 | ENSG00000100292.16 | 4.596090446 | 6.765992797 | 5.043436663 |
| CMC1 | ENSG00000187118.12 | 4.54614876 | 4.658453144 | 4.437609638 |
| GPR180 | ENSG00000152749.7 | 3.55827916 | 3.985626086 | 3.60430757 |
| WDR53 | ENSG00000185798.7 | 3.649135319 | 4.22085488 | 3.743555996 |
| DDX31 | ENSG00000125485.17 | 5.480841651 | 5.282246956 | 3.603741347 |
| ELK4 | ENSG00000158711.13 | 5.22171996 | 3.579960369 | 4.409029574 |
| ALDH4A1 | ENSG00000159423.16 | 3.701677711 | 4.126256053 | 5.056984675 |
| DEDD | ENSG00000158796.16 | 5.424511348 | 5.34558598 | 4.530573383 |
| MYPOP | ENSG00000176182.5 | 4.599841386 | 3.59310564 | 3.708100242 |
| ERICH1 | ENSG00000104714.13 | 3.772447909 | 4.151675055 | 4.210203465 |
| CCDC6 | ENSG00000108091.10 | 5.185097378 | 4.457891125 | 4.619871361 |
| LIN54 | ENSG00000189308.10 | 3.895485343 | 3.661348218 | 4.041465047 |
| AC007388.1 | ENSG00000231312.6 | 3.605221148 | 4.86368923 | 5.590899771 |
| PEAK1 | ENSG00000173517.10 | 3.897609372 | 4.5365158 | 5.138287202 |
| USP54 | ENSG00000166348.18 | 3.707064265 | 4.735399364 | 5.391587693 |
| ZBTB2 | ENSG00000181472.4 | 4.228601745 | 3.960137888 | 3.722662475 |
| TDRD7 | ENSG00000196116.7 | 3.533135423 | 7.019707867 | 4.839653805 |
| STK3 | ENSG00000104375.15 | 4.670887541 | 3.553440274 | 4.899175298 |
| RSRP1 | ENSG00000117616.17 | 4.068606571 | 3.902461674 | 4.485342044 |
| MON1A | ENSG00000164077.13 | 4.615126405 | 4.079093987 | 3.657006097 |
| BAG5 | ENSG00000166170.9 | 4.978471247 | 4.907591252 | 3.528054731 |
| HDAC4 | ENSG00000068024.16 | 4.018354431 | 5.377574564 | 5.48820196 |
| ARHGEF18 | ENSG00000104880.17 | 4.487383103 | 4.7488575 | 4.43068811 |
| FAF1 | ENSG00000185104.19 | 5.316665544 | 4.409893819 | 4.527520377 |
| WASH6P | ENSG00000182484.15 | 4.196133489 | 4.000992996 | 4.917378076 |
| DYRK3 | ENSG00000143479.15 | 5.01494352 | 4.568424104 | 3.710048079 |
| TONSL | ENSG00000160949.16 | 4.91292529 | 3.656864116 | 3.732838376 |
| CENPI | ENSG00000102384.13 | 3.897008211 | 4.66205219 | 3.621016289 |
| YARS2 | ENSG00000139131.12 | 5.433317806 | 4.866137306 | 3.800943397 |
| E4F1 | ENSG00000167967.15 | 4.15396016 | 3.810835694 | 3.678208861 |
| WDR76 | ENSG00000092470.11 | 4.809890165 | 3.619577845 | 4.386442174 |
| GDAP2 | ENSG00000196505.10 | 4.605700722 | 3.990692952 | 4.02585322 |
| ASCC1 | ENSG00000138303.17 | 4.357932604 | 4.096614539 | 5.325723274 |
| TGDS | ENSG00000088451.10 | 5.338964551 | 4.892626538 | 4.188070638 |
| CEP350 | ENSG00000135837.15 | 4.926216318 | 4.615579471 | 4.364693755 |
| AVEN | ENSG00000169857.7 | 3.798934327 | 3.897159736 | 3.736599759 |
| MOSPD1 | ENSG00000101928.12 | 3.743374709 | 5.170637896 | 5.334548704 |
| KATNA1 | ENSG00000186625.13 | 4.600783086 | 3.94656543 | 4.221970496 |
| ASF1B | ENSG00000105011.8 | 6.487723018 | 5.181230226 | 3.538787021 |

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| SNORA67 | ENSG00000277985.1 | 4.719756822 | 3.930849138 | 4.675073769 |
| FOXJ2 | ENSG00000065970.8 | 4.418032149 | 3.822022772 | 4.818519894 |
| POMZP3 | ENSG00000146707.14 | 4.978698653 | 4.824073785 | 4.47527804 |
| PATZ1 | ENSG00000100105.17 | 5.328213052 | 4.061586652 | 5.246322151 |
| MARS2 | ENSG00000247626.4 | 4.216563933 | 4.772063086 | 4.000786379 |
| ADK | ENSG00000156110.13 | 5.065953353 | 4.046754841 | 3.83379852 |
| KCTD18 | ENSG00000155729.12 | 3.561783984 | 4.215981251 | 4.23530203 |
| CTDSPL2 | ENSG00000137770.13 | 5.112592329 | 4.039199837 | 4.009142768 |
| DCUN1D4 | ENSG00000109184.14 | 5.057438415 | 4.771246594 | 4.588920995 |
| NUTM2B-AS1 | ENSG00000225484.6 | 5.166216584 | 4.03212675 | 4.359904298 |
| FAM35A | ENSG00000122376.11 | 5.272133178 | 3.971313053 | 4.17210644 |
| KIF3A | ENSG00000131437.15 | 4.386486565 | 3.549284494 | 5.193752356 |
| FAM214B | ENSG00000005238.19 | 4.746203935 | 4.637845554 | 4.128798188 |
| FOXN3 | ENSG00000053254.15 | 4.350446812 | 3.57266159 | 4.116296533 |
| NUDCD1 | ENSG00000120526.10 | 5.381053412 | 4.522387612 | 3.706716178 |
| TMEM175 | ENSG00000127419.16 | 4.372722642 | 3.592791406 | 6.137881341 |
| SNAPC1 | ENSG00000023608.4 | 5.107015401 | 4.820530039 | 3.515692232 |
| PARG | ENSG00000227345.8 | 4.661074869 | 3.903246113 | 4.102431212 |
| RCHY1 | ENSG00000163743.13 | 4.0421259 | 4.248637345 | 3.85536255 |
| CRELD1 | ENSG00000163703.17 | 3.626538998 | 4.356944617 | 4.617877683 |
| ZNF362 | ENSG00000160094.14 | 4.716957336 | 4.156522282 | 3.577067381 |
| TMEM135 | ENSG00000166575.16 | 4.91011354 | 3.626240285 | 4.377034493 |
| BLOC1S6 | ENSG00000104164.10 | 5.952973287 | 6.084405857 | 5.803243465 |
| COQ7 | ENSG00000167186.10 | 4.316744422 | 3.659414078 | 4.704023474 |
| PDS5B | ENSG00000083642.18 | 4.987769641 | 4.301607341 | 3.503209226 |
| CDCA3 | ENSG00000111665.11 | 5.661764044 | 4.408326464 | 3.665783169 |
| RICTOR | ENSG00000164327.12 | 4.253015773 | 4.447476774 | 3.958632848 |
| ILF3-AS1 | ENSG00000267100.1 | 4.974701583 | 5.103980322 | 4.164911442 |
| KLF10 | ENSG00000155090.14 | 5.058415659 | 3.511713102 | 4.962415601 |
| CBWD2 | ENSG00000136682.14 | 4.238001161 | 4.153722645 | 3.564157551 |
| ETAA1 | ENSG00000143971.7 | 4.519774185 | 4.575492285 | 3.526728616 |
| CEP120 | ENSG00000168944.15 | 4.396140769 | 3.57227282 | 3.707059324 |
| PDE4DIP | ENSG00000178104.19 | 3.542978143 | 5.088213264 | 4.487243257 |
| ZDHHC13 | ENSG00000177054.13 | 3.846129985 | 4.398134887 | 4.248337084 |
| MED7 | ENSG00000155868.7 | 3.793950788 | 3.917361986 | 4.05886107 |
| PLA2G12A | ENSG00000123739.10 | 3.866474909 | 3.490830658 | 5.422441106 |
| PLXNB3 | ENSG00000198753.11 | 5.048661238 | 5.90595263 | 4.760486196 |
| RNF113A | ENSG00000125352.5 | 4.900914639 | 5.254227992 | 4.908505658 |
| BTBD3 | ENSG00000132640.14 | 6.567733014 | 5.88083011 | 4.57159962 |
| FKBP11 | ENSG00000134285.10 | 5.467773997 | 5.364945892 | 3.725215146 |
| PRKAB2 | ENSG00000131791.7 | 3.998342231 | 4.463822145 | 3.796016105 |
| TRIM13 | ENSG00000204977.9 | 5.188125833 | 3.834618469 | 4.474781668 |
| TMEM104 | ENSG00000109066.13 | 3.784582038 | 4.714657562 | 3.881270766 |
| AC068152.1 | ENSG00000262879.5 | 4.330479163 | 4.369148081 | 4.481433856 |
| NME6 | ENSG00000172113.8 | 4.514186998 | 4.678862825 | 4.451223682 |
| SNHG9 | ENSG00000255198.4 | 4.649847208 | 4.383111714 | 3.753107124 |

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| USPL1 | ENSG00000132952.11 | 4.081838888 | 3.666923063 | 3.557875579 |
| TRMT2B | ENSG00000188917.14 | 3.627077374 | 3.8737386 | 5.091100006 |
| ANKH | ENSG00000154122.12 | 6.925523376 | 5.583440171 | 7.305927441 |
| DAB2IP | ENSG00000136848.16 | 4.659319203 | 5.604409739 | 6.271861377 |
| MIB2 | ENSG00000197530.12 | 4.674951052 | 5.481360645 | 5.453214048 |
| FAM173A | ENSG00000103254.9 | 5.036958244 | 3.725311117 | 4.292676694 |
| ZNF32 | ENSG00000169740.13 | 5.000052961 | 3.533323867 | 4.396545997 |
| POLR2J4 | ENSG00000272655.2 | 4.158129773 | 3.785069483 | 3.742394857 |
| PGAP2 | ENSG00000148985.19 | 3.930486225 | 5.250545378 | 4.866172993 |
| CDCA7 | ENSG00000144354.13 | 4.240517711 | 4.769608271 | 3.780203601 |
| TMEM134 | ENSG00000172663.8 | 3.957914208 | 3.810699061 | 4.065078373 |
| ARHGAP35 | ENSG00000160007.18 | 5.767023629 | 4.566589177 | 5.292425826 |
| PLSCR3 | ENSG00000187838.16 | 4.894354233 | 4.0593169 | 4.157385651 |
| ABCB10 | ENSG00000135776.4 | 5.401577671 | 3.550305493 | 3.914100401 |
| DHRS7B | ENSG00000109016.17 | 4.140346731 | 3.507438164 | 4.43502414 |
| MARCH2 | ENSG00000099785.10 | 3.570859962 | 4.905540291 | 4.68385851 |
| NR4A1 | ENSG00000123358.19 | 6.273060524 | 6.571347156 | 4.703124949 |
| CCDC137 | ENSG00000185298.12 | 5.967654356 | 4.538694835 | 4.459331007 |
| MROH1 | ENSG00000179832.17 | 3.500884859 | 4.692172974 | 4.692113382 |
| KIF18A | ENSG00000121621.6 | 4.541250358 | 3.690199284 | 4.460268241 |
| FAM111A | ENSG00000166801.15 | 3.897351371 | 3.761552757 | 4.202533431 |
| MPZL1 | ENSG00000197965.11 | 4.513625365 | 6.319407068 | 3.637711702 |
| ALKBH4 | ENSG00000160993.3 | 4.412941256 | 4.590055697 | 3.713791329 |
| ZNF827 | ENSG00000151612.15 | 4.461271565 | 3.959801429 | 5.077654808 |
| NAA16 | ENSG00000172766.18 | 4.925084627 | 3.801091871 | 3.861667006 |
| KIAA0391 | ENSG00000100890.15 | 3.971280038 | 4.140318472 | 4.09917476 |
| CENPJ | ENSG00000151849.14 | 4.884451827 | 4.009114234 | 3.592980884 |
| ZFYVE27 | ENSG00000155256.17 | 4.704381575 | 4.537827485 | 4.984912349 |
| OAS1 | ENSG00000089127.12 | 4.027063991 | 4.592572598 | 3.541133221 |
| ASF1A | ENSG00000111875.7 | 5.575442576 | 4.074560758 | 3.560797501 |
| FBXO28 | ENSG00000143756.11 | 5.71244953 | 3.575388867 | 4.660533726 |
| TOM1L2 | ENSG00000175662.17 | 5.360646404 | 3.638475221 | 5.283641472 |
| C2orf76 | ENSG00000186132.14 | 3.70685567 | 3.568802393 | 4.31887998 |
| ZBTB40 | ENSG00000184677.16 | 4.052308031 | 4.479356531 | 4.236844457 |
| RNF138 | ENSG00000134758.13 | 5.308863896 | 4.488478876 | 4.222486086 |
| CENPO | ENSG00000138092.10 | 4.808193663 | 4.76089202 | 3.513681935 |
| GLRX5 | ENSG00000182512.4 | 5.92200505 | 5.037160441 | 3.480250984 |
| TAF12 | ENSG00000120656.11 | 5.034778017 | 4.824094132 | 3.559258601 |
| ZNF337 | ENSG00000130684.13 | 4.056466873 | 4.436007339 | 3.509017021 |
| PHF21A | ENSG00000135365.15 | 4.585747106 | 4.742937574 | 5.281161356 |
| PPP3CC | ENSG00000120910.14 | 3.484738765 | 3.7580763 | 4.192349573 |
| ENDOV | ENSG00000173818.16 | 3.901862215 | 3.63023718 | 3.896336702 |
| ABHD11 | ENSG00000106077.18 | 3.730260111 | 4.916875559 | 4.323103449 |
| ARHGAP11A | ENSG00000198826.10 | 5.165272991 | 3.944143661 | 3.966198865 |
| CCHCR1 | ENSG00000204536.13 | 3.57129748 | 3.905577437 | 3.901973657 |
| PCBP1-AS1 | ENSG00000179818.13 | 4.35930515 | 3.727054597 | 4.444775493 |

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| SAP30 | ENSG00000164105.3 | 5.36679777 | 3.975124834 | 3.81764733 |
| GALNS | ENSG00000141012.12 | 4.05059 | 5.203972466 | 4.341226753 |
| SMG9 | ENSG00000105771.13 | 5.173012671 | 3.574493452 | 5.562609903 |
| ARFRP1 | ENSG00000101246.19 | 4.237589128 | 3.746744034 | 4.901918816 |
| CASD1 | ENSG00000127995.16 | 3.591185641 | 4.319545835 | 3.94167258 |
| FADS3 | ENSG00000221968.8 | 4.978690135 | 5.281593701 | 4.297095134 |
| FKBP14 | ENSG00000106080.10 | 4.031759654 | 5.821441048 | 4.172457772 |
| GAS2L1 | ENSG00000185340.15 | 3.984178055 | 5.861433363 | 4.186634475 |
| ERCC5 | ENSG00000134899.18 | 5.276129287 | 4.723586744 | 4.581687606 |
| LIMS1 | ENSG00000169756.16 | 4.906999247 | 3.567638114 | 5.395548201 |
| UMPS | ENSG00000114491.13 | 5.411255275 | 4.406865583 | 3.541330212 |
| PCGF5 | ENSG00000180628.14 | 5.248362487 | 5.036873309 | 6.079282492 |
| ALG6 | ENSG00000088035.15 | 4.097058527 | 3.489122436 | 3.694039141 |
| MCTP1 | ENSG00000175471.19 | 3.899402638 | 3.607633786 | 5.247077612 |
| KIAA0556 | ENSG00000047578.12 | 3.966425571 | 4.012069326 | 4.585387715 |
| TMA16 | ENSG00000198498.9 | 5.133710328 | 4.083704442 | 3.511666266 |
| QPCT | ENSG00000115828.15 | 3.54819422 | 9.545976077 | 9.754291957 |
| CLEC2B | ENSG00000110852.4 | 3.831887605 | 3.670606298 | 3.618947043 |
| MND1 | ENSG00000121211.7 | 4.680161375 | 3.55084831 | 3.512665942 |
| HEIH | ENSG00000278970.1 | 4.353137366 | 3.526635851 | 4.677634436 |
| SNHG12 | ENSG00000197989.13 | 5.133885717 | 3.639192712 | 4.75067806 |
| PIK3R1 | ENSG00000145675.14 | 4.025940448 | 4.432852507 | 4.423130679 |
| TRIM8 | ENSG00000171206.13 | 6.133477138 | 4.302713552 | 4.955492115 |
| POC1A | ENSG00000164087.7 | 4.920719268 | 4.255221083 | 3.507950901 |
| TTC27 | ENSG00000018699.11 | 4.706010271 | 4.521121274 | 4.136745721 |
| SMURF2 | ENSG00000108854.15 | 5.018534819 | 3.998900373 | 5.071551872 |
| ACAD10 | ENSG00000111271.14 | 4.340969442 | 4.287291992 | 3.580547319 |
| IL10RB | ENSG00000243646.9 | 3.902403209 | 4.718250095 | 4.279804203 |
| PACRGL | ENSG00000163138.18 | 5.040167639 | 3.550134718 | 5.454100924 |
| APEX2 | ENSG00000169188.4 | 5.719046534 | 5.162192513 | 4.529201802 |
| EMSY | ENSG00000158636.16 | 4.146090487 | 3.609189321 | 3.727706895 |
| ALKBH2 | ENSG00000189046.10 | 5.266646001 | 3.943090786 | 3.634369462 |
| STAT5A | ENSG00000126561.16 | 3.886213322 | 4.3864361 | 4.392065524 |
| ZMYM6 | ENSG00000163867.16 | 3.523582682 | 4.06892153 | 3.99483261 |
| TGFB1 | ENSG00000105329.9 | 6.525180724 | 3.518225104 | 6.702512563 |
| TSPYL2 | ENSG00000184205.14 | 4.079500223 | 4.352608114 | 4.334526518 |
| AAMDC | ENSG00000087884.14 | 3.638804583 | 4.465540047 | 4.891654786 |
| NPHP4 | ENSG00000131697.17 | 3.733873011 | 3.893444872 | 4.272125184 |
| SURF6 | ENSG00000148296.6 | 5.512341327 | 5.172702104 | 3.499308911 |
| KIF20B | ENSG00000138182.14 | 5.790896157 | 3.687126073 | 3.559353669 |
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| IQSEC1 | ENSG00000144711.13 | 4.768519428 | 4.533924263 | 4.069562711 |
| PIAS2 | ENSG00000078043.15 | 3.809994553 | 4.211346492 | 3.786062311 |
| SMTN | ENSG00000183963.18 | 5.353336241 | 4.163732703 | 3.737959645 |
| ERCC8 | ENSG00000049167.13 | 3.762860441 | 3.486734858 | 4.068648538 |
| ATP9A | ENSG00000054793.13 | 4.582618804 | 3.605642528 | 7.41603475 |

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| CDK11A | ENSG00000008128.22 | 3.937034558 | 3.551019959 | 4.382474718 |
| TMEM64 | ENSG00000180694.13 | 3.502286323 | 4.455524569 | 4.780449242 |
| UBE2Q2 | ENSG00000140367.11 | 4.939891402 | 4.469836739 | 4.213060131 |
| AC018645.2 | ENSG00000273014.1 | 3.829668387 | 4.049218538 | 3.983976418 |
| CSPP1 | ENSG00000104218.14 | 4.407027771 | 3.825170557 | 3.746273514 |
| NPRL2 | ENSG00000114388.12 | 4.794869703 | 4.134772413 | 3.60519507 |
| RAB27A | ENSG00000069974.15 | 3.581372538 | 8.033240131 | 8.880547592 |
| C19orf25 | ENSG00000119559.15 | 4.263389443 | 4.245768972 | 4.727257818 |
| SEC24D | ENSG00000150961.14 | 4.553247888 | 5.540830968 | 3.588672807 |
| FBXO22 | ENSG00000167196.13 | 4.276713099 | 4.994921856 | 4.807460965 |
| PXMP2 | ENSG00000176894.9 | 5.23279551 | 3.899281799 | 3.465650914 |
| H3F3AP4 | ENSG00000235655.3 | 5.948902515 | 3.772783608 | 4.322341759 |
| ZNF783 | ENSG00000204946.9 | 4.421467674 | 4.131539842 | 4.0951087 |
| HAGLR | ENSG00000224189.6 | 3.96869655 | 6.099537279 | 5.361298088 |
| FNBP1L | ENSG00000137942.16 | 3.765521484 | 5.375286329 | 4.253420666 |
| RABIF | ENSG00000183155.4 | 4.227774112 | 3.945028391 | 3.512973586 |
| NCOA1 | ENSG00000084676.15 | 3.593544499 | 3.773660277 | 4.550709023 |
| ZNF689 | ENSG00000156853.12 | 4.03150175 | 5.7172467 | 3.948393821 |
| MTRF1 | ENSG00000120662.15 | 4.578368691 | 4.540843122 | 4.082925017 |
| CDC26 | ENSG00000176386.8 | 5.914051626 | 5.728296384 | 3.501023262 |
| PIGM | ENSG00000143315.6 | 4.61021637 | 4.326760556 | 3.434850927 |
| ZXDC | ENSG00000070476.14 | 4.805113309 | 4.271055475 | 6.091336631 |
| EPN2 | ENSG00000072134.15 | 4.507973992 | 4.254850952 | 3.639307887 |
| ROCK1 | ENSG00000067900.7 | 4.470870358 | 5.12794402 | 5.000047952 |
| FBF1 | ENSG00000188878.19 | 3.797793457 | 3.621130044 | 3.518415289 |
| AC005034.3 | ENSG00000270696.1 | 4.121826422 | 4.435101362 | 3.819703003 |
| CLEC16A | ENSG00000038532.14 | 4.587548221 | 4.429304412 | 5.392553243 |
| SMAD3 | ENSG00000166949.15 | 5.661065371 | 3.717484915 | 4.840239407 |
| ZSWIM6 | ENSG00000130449.5 | 4.764712253 | 3.863000252 | 3.492766029 |
| AFAP1L1 | ENSG00000157510.13 | 4.571897941 | 3.525777418 | 3.663816422 |
| DMPK | ENSG00000104936.17 | 4.528519228 | 4.292383955 | 4.340220007 |
| APC | ENSG00000134982.16 | 4.896957519 | 4.368961751 | 4.034330685 |
| SETD4 | ENSG00000185917.13 | 3.590755568 | 4.287629187 | 4.155946922 |
| PPARD | ENSG00000112033.13 | 3.737462209 | 4.760711737 | 5.867372607 |
| FBXO21 | ENSG00000135108.14 | 5.239866412 | 4.403376972 | 4.247178218 |
| SETD6 | ENSG00000103037.11 | 5.204800039 | 4.182413397 | 3.891952978 |
| DDX19B | ENSG00000157349.16 | 4.432775799 | 4.103738399 | 4.620895955 |
| MYO1D | ENSG00000176658.16 | 4.150815124 | 7.05363391 | 8.731154985 |
| R3HCC1L | ENSG00000166024.13 | 4.080502514 | 4.130547283 | 4.090511873 |
| DAAM1 | ENSG00000100592.15 | 3.451763102 | 4.795097488 | 4.77050666 |
| SH3BP4 | ENSG00000130147.15 | 3.462267002 | 5.496888543 | 6.665777898 |
| LINC00963 | ENSG00000204054.13 | 5.074354145 | 6.689945137 | 4.726168955 |
| LYRM4 | ENSG00000214113.10 | 3.609855807 | 4.110585426 | 3.936903763 |
| FAT1 | ENSG00000083857.13 | 6.758723525 | 5.351308191 | 6.767042496 |
| RNPC3 | ENSG00000185946.15 | 3.997017328 | 3.611401832 | 3.675026397 |
| MFHAS1 | ENSG00000147324.10 | 3.51069394 | 3.432975357 | 4.472488495 |

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| SLC4A3 | ENSG00000114923.16 | 3.588541815 | 4.129963947 | 3.722008213 |
| RNPEPL1 | ENSG00000142327.12 | 3.848032545 | 5.450407048 | 6.967675493 |
| ALDH3A2 | ENSG00000072210.18 | 6.016272799 | 4.19878179 | 3.64147812 |
| INVS | ENSG00000119509.12 | 4.101473559 | 5.109837308 | 3.510600538 |
| OSGEPL1 | ENSG00000128694.11 | 3.526476442 | 4.847140605 | 4.094044598 |
| TTC8 | ENSG00000165533.18 | 4.835807537 | 3.888220701 | 3.916754926 |
| VWA8 | ENSG00000102763.17 | 4.402395898 | 4.119071504 | 4.963537505 |
| SAMD9 | ENSG00000205413.7 | 4.271435289 | 4.746896976 | 3.56451059 |
| PEX11B | ENSG00000131779.10 | 4.249674662 | 4.664851453 | 3.941796071 |
| CCNF | ENSG00000162063.12 | 5.499735278 | 3.612540141 | 3.495674008 |
| PKD1P6 | ENSG00000250251.6 | 5.548708309 | 3.946873331 | 4.59441378 |
| SPATA2 | ENSG00000158480.10 | 4.684837551 | 4.94150657 | 5.564504414 |
| CEP85 | ENSG00000130695.14 | 4.759564114 | 3.887176819 | 3.473472143 |
| RDH13 | ENSG00000160439.15 | 4.019897699 | 3.601028302 | 5.38282735 |
| ARRB1 | ENSG00000137486.16 | 3.714413678 | 5.102067277 | 5.327338999 |
| TAF1 | ENSG00000147133.15 | 4.987994287 | 4.177960584 | 4.954328243 |
| NDOR1 | ENSG00000188566.13 | 5.093146092 | 5.087325462 | 3.642561629 |
| HDDC3 | ENSG00000184508.10 | 4.194210287 | 4.21808994 | 4.026556108 |
| BRPF1 | ENSG00000156983.15 | 4.450282856 | 4.402072302 | 3.560775508 |
| RGMB | ENSG00000174136.11 | 4.484610972 | 3.970576301 | 4.687701088 |
| DYRK2 | ENSG00000127334.10 | 4.467209513 | 4.302708053 | 3.493053618 |
| KLF13 | ENSG00000169926.10 | 3.453296029 | 4.73918517 | 4.524819508 |
| CABLES1 | ENSG00000134508.12 | 4.099530001 | 6.755278729 | 6.901691283 |
| MTFMT | ENSG00000103707.9 | 4.728702438 | 5.460858689 | 3.929365112 |
| SLC6A6 | ENSG00000131389.16 | 5.400954496 | 5.038510829 | 4.04591045 |
| SLC9A8 | ENSG00000197818.11 | 3.935240093 | 4.341654962 | 3.800876982 |
| RNF141 | ENSG00000110315.6 | 3.484458404 | 4.34013161 | 4.856713528 |
| SAP30L | ENSG00000164576.11 | 4.248282049 | 3.487647272 | 4.719804994 |
| HMCN1 | ENSG00000143341.11 | 6.051342701 | 5.449327525 | 4.896357738 |
| INTS7 | ENSG00000143493.12 | 5.787322772 | 3.60794782 | 4.841218282 |
| TTC33 | ENSG00000113638.13 | 3.890988925 | 4.180596026 | 4.02154699 |
| HMGB1P5 | ENSG00000132967.9 | 5.772350052 | 4.202382175 | 3.621027932 |
| WDCP | ENSG00000163026.11 | 4.264877106 | 3.914781027 | 3.431973748 |
| IQCE | ENSG00000106012.17 | 3.70034836 | 5.042400917 | 3.651778675 |
| TMEM41B | ENSG00000166471.10 | 3.801679449 | 3.791268978 | 4.89393837 |
| TEFM | ENSG00000172171.10 | 4.364640618 | 4.629028831 | 4.131503872 |
| SMDT1 | ENSG00000183172.8 | 4.593419669 | 4.83059454 | 5.764506071 |
| DALRD3 | ENSG00000178149.16 | 4.761470717 | 4.6577284 | 3.497059169 |
| TRAF3IP1 | ENSG00000204104.11 | 3.614072994 | 4.454627994 | 3.426850502 |
| SLC38A6 | ENSG00000139974.15 | 3.879060917 | 4.319238464 | 4.404608209 |
| ZBTB18 | ENSG00000179456.10 | 4.617140216 | 3.547903449 | 3.46605294 |
| ZNF512 | ENSG00000243943.9 | 3.498531667 | 5.058617283 | 5.103804256 |
| SIK2 | ENSG00000170145.4 | 3.748451418 | 3.445026965 | 5.214373682 |
| PEMT | ENSG00000133027.17 | 5.842041496 | 4.620300224 | 4.859176322 |
| TRMT13 | ENSG00000122435.9 | 4.910791799 | 3.701729058 | 3.586339432 |
| LDLRAP1 | ENSG00000157978.11 | 4.863751288 | 3.506693897 | 4.438254166 |

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| LBX2 | ENSG00000179528.15 | 4.786297612 | 3.941554226 | 3.532119557 |
| DDX59 | ENSG00000118197.13 | 5.022950811 | 4.030239576 | 3.984829263 |
| CENPL | ENSG00000120334.15 | 5.321369071 | 4.443982052 | 3.424848111 |
| NSUN3 | ENSG00000178694.9 | 3.881413157 | 3.597645286 | 3.988997541 |
| CERS6 | ENSG00000172292.14 | 3.439503951 | 5.081723809 | 4.634968353 |
| CBR4 | ENSG00000145439.11 | 4.486459698 | 4.218897628 | 4.932579663 |
| MYO1E | ENSG00000157483.8 | 5.746758526 | 4.450673679 | 5.507410218 |
| MAP3K12 | ENSG00000139625.12 | 4.543394451 | 4.709351359 | 4.580970984 |
| LBX2-AS1 | ENSG00000257702.3 | 4.074897787 | 4.030611473 | 3.540344887 |
| OTUD6B | ENSG00000155100.10 | 4.743118361 | 4.293911063 | 4.708595955 |
| TBC1D2B | ENSG00000167202.11 | 3.881677544 | 4.552305538 | 4.619100031 |
| PIK3CA | ENSG00000121879.3 | 4.422628327 | 4.720424179 | 4.666185344 |
| FUT11 | ENSG00000196968.10 | 4.836464121 | 3.429947256 | 4.560987292 |
| INTS2 | ENSG00000108506.11 | 4.054079594 | 4.074959282 | 4.0826747 |
| TTF1 | ENSG00000125482.12 | 5.766996855 | 5.017373453 | 3.560008097 |
| SOCS5 | ENSG00000171150.7 | 5.233976083 | 4.203729763 | 3.810001223 |
| OSBPL3 | ENSG00000070882.12 | 4.927199517 | 5.116331568 | 5.418774026 |
| SLC25A51 | ENSG00000122696.13 | 4.838381621 | 4.6487637 | 3.503670911 |
| LEPROT | ENSG00000213625.8 | 5.387785465 | 3.896632877 | 3.743732339 |
| NUDT4 | ENSG00000173598.13 | 3.791805478 | 5.120426143 | 4.048298119 |
| ZNF318 | ENSG00000171467.15 | 3.960327601 | 3.692788371 | 4.478202829 |
| METTL1 | ENSG00000037897.16 | 4.429521395 | 4.14707777 | 5.57993734 |
| SGCB | ENSG00000163069.12 | 5.381616469 | 4.799543753 | 3.432677627 |
| RNF115 | ENSG00000265491.4 | 4.064098172 | 4.114203662 | 3.983538429 |
| PYM1 | ENSG00000170473.16 | 5.38751605 | 4.505543729 | 3.804301937 |
| ZNF592 | ENSG00000166716.9 | 4.477226972 | 3.896680569 | 3.542428658 |
| MGA | ENSG00000174197.16 | 4.159556563 | 4.202205352 | 4.245901037 |
| VEGFA | ENSG00000112715.21 | 6.139205137 | 5.31730882 | 6.875886494 |
| FYTTD1 | ENSG00000122068.12 | 4.866804184 | 4.367376059 | 5.12471761 |
| CCDC93 | ENSG00000125633.10 | 3.462057129 | 5.4074022 | 5.880530916 |
| NUP37 | ENSG00000075188.8 | 6.063386888 | 5.42776728 | 3.521791059 |
| PLA2G16 | ENSG00000176485.11 | 4.246669464 | 4.776827138 | 4.689923076 |
| SYDE1 | ENSG00000105137.12 | 5.16590724 | 4.698100717 | 3.740103614 |
| UBE2E2 | ENSG00000182247.9 | 4.553317155 | 5.112989449 | 4.81789641 |
| GEMIN6 | ENSG00000152147.10 | 5.777763612 | 5.691499699 | 3.977220234 |
| GNE | ENSG00000159921.14 | 6.962418953 | 4.05406958 | 3.913990774 |
| ELMOD2 | ENSG00000179387.9 | 3.729920291 | 4.062351989 | 5.073573595 |
| TMEM237 | ENSG00000155755.18 | 3.513078904 | 4.100328925 | 3.821775063 |
| HACD1 | ENSG00000165996.13 | 3.657262958 | 4.966599356 | 4.041951764 |
| SETD9 | ENSG00000155542.11 | 3.83419343 | 4.017151945 | 3.539190511 |
| RAB5B | ENSG00000111540.15 | 4.200403492 | 4.995624292 | 5.087047254 |
| TCP11L1 | ENSG00000176148.15 | 4.553801713 | 3.91527178 | 4.932382062 |
| BCAS3 | ENSG00000141376.22 | 4.182062163 | 4.113190898 | 6.770452209 |
| CNRIP1 | ENSG00000119865.8 | 3.487348806 | 5.339769998 | 3.616732736 |
| LINC00339 | ENSG00000218510.7 | 4.695285636 | 5.529186558 | 4.115815482 |
| CMC4 | ENSG00000182712.15 | 4.76072207 | 3.823600933 | 4.790450054 |

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| LONRF1 | ENSG00000154359.12 | 3.773755154 | 6.424614128 | 7.089104676 |
| DTD2 | ENSG00000129480.12 | 3.575311901 | 3.78072244 | 4.140870937 |
| POC1B | ENSG00000139323.13 | 3.822201621 | 4.542529513 | 3.493553919 |
| MAP3K10 | ENSG00000130758.7 | 4.09472234 | 5.576615782 | 3.835635317 |
| TP53INP2 | ENSG00000078804.12 | 3.438502647 | 5.55826456 | 7.337086952 |
| LAMTOR3 | ENSG00000109270.12 | 3.699327244 | 3.995389708 | 4.423834449 |
| FAM200A | ENSG00000221909.2 | 3.988474493 | 4.40783955 | 3.474767104 |
| GTF2H4 | ENSG00000213780.10 | 4.126359133 | 4.404338684 | 4.324054463 |
| TCTN1 | ENSG00000204852.15 | 4.680719941 | 4.162401676 | 3.429136808 |
| SLC25A4 | ENSG00000151729.10 | 5.907497556 | 4.215421346 | 8.549920298 |
| SLC7A11 | ENSG00000151012.13 | 5.759542321 | 4.999239491 | 6.957068482 |
| S100PBP | ENSG00000116497.17 | 4.35962549 | 4.203742563 | 4.437258037 |
| FSBP | ENSG00000265817.2 | 4.714047897 | 3.783082063 | 3.71798349 |
| AP002360.2 | ENSG00000255135.3 | 3.919772635 | 3.497270271 | 4.356546135 |
| ZMYM5 | ENSG00000132950.18 | 4.060156741 | 3.655375689 | 3.964432959 |
| PDLIM5 | ENSG00000163110.14 | 4.794459102 | 4.520862672 | 4.740572049 |
| MAP4K2 | ENSG00000168067.11 | 4.971552657 | 4.652256086 | 4.317963387 |
| PDE4D | ENSG00000113448.18 | 4.682971081 | 5.291374749 | 4.836835484 |
| PHF2 | ENSG00000197724.10 | 4.501226182 | 4.679791134 | 3.415277702 |
| NUMBL | ENSG00000105245.9 | 4.684955689 | 5.321510574 | 3.482222575 |
| SDR39U1 | ENSG00000100445.17 | 4.74267152 | 3.778097586 | 4.183379815 |
| NDUFAF4 | ENSG00000123545.5 | 4.331770996 | 4.104508737 | 4.220982093 |
| NLN | ENSG00000123213.22 | 3.847551582 | 4.108553828 | 3.425041095 |
| MYCBP | ENSG00000214114.8 | 5.196591083 | 3.847906021 | 3.439255725 |
| PPP1R18 | ENSG00000146112.11 | 4.098450151 | 5.090939091 | 5.72602623 |
| RAD18 | ENSG00000070950.9 | 4.77158119 | 4.095123034 | 3.422698087 |
| MAD2L1 | ENSG00000164109.13 | 5.568641193 | 3.964179398 | 3.539739235 |
| FHL3 | ENSG00000183386.9 | 4.384908228 | 3.920442129 | 3.417505936 |
| AC008443.1 | ENSG00000233937.6 | 4.79975028 | 4.13488101 | 4.300445659 |
| ORMDL2 | ENSG00000123353.9 | 4.909115269 | 4.821575376 | 3.65170676 |
| SYNJ1 | ENSG00000159082.17 | 3.404258133 | 3.610327873 | 4.052246148 |
| ESS2 | ENSG00000100056.11 | 3.745411861 | 4.723632244 | 4.239458987 |
| ZBTB21 | ENSG00000173276.13 | 3.730689823 | 3.828380451 | 3.600210147 |
| FMNL3 | ENSG00000161791.13 | 4.366329478 | 3.860251262 | 3.451960392 |
| S100A16 | ENSG00000188643.10 | 7.571193387 | 5.10975117 | 4.261682368 |
| TYSND1 | ENSG00000156521.13 | 4.298870137 | 3.698381284 | 3.997214122 |
| MRPL50 | ENSG00000136897.7 | 5.026844379 | 5.187437676 | 3.437703489 |
| AC073896.4 | ENSG00000258199.1 | 3.933404769 | 3.914501106 | 3.823766063 |
| CCDC112 | ENSG00000164221.12 | 3.814723265 | 3.622418761 | 3.572039569 |
| ZNF266 | ENSG00000174652.17 | 4.762077443 | 4.331598126 | 4.567156567 |
| MAP7D3 | ENSG00000129680.15 | 4.857877377 | 4.580190434 | 3.463598967 |
| NAGPA | ENSG00000103174.11 | 3.790318355 | 4.460444381 | 3.823076337 |
| MRE11 | ENSG00000020922.12 | 4.855463171 | 3.414728717 | 4.372823977 |
| USP25 | ENSG00000155313.15 | 3.470477612 | 4.429938363 | 5.310474712 |
| ZFX | ENSG00000005889.15 | 4.620844257 | 3.602705084 | 4.532230188 |
| ST3GAL2 | ENSG00000157350.12 | 5.513505506 | 4.384847713 | 4.551570098 |

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| PLCD3 | ENSG00000161714.11 | 4.089944178 | 3.880682849 | 3.394766114 |
| CYLD | ENSG00000083799.17 | 4.278859769 | 3.524359556 | 4.853383026 |
| ZNF395 | ENSG00000186918.13 | 5.004858392 | 3.959715565 | 4.534592443 |
| FASTKD1 | ENSG00000138399.17 | 3.526917786 | 5.895572572 | 5.962948293 |
| ADCY9 | ENSG00000162104.9 | 3.825163956 | 3.453885392 | 5.815626756 |
| ARSA | ENSG00000100299.17 | 3.547560074 | 5.960554711 | 4.680891724 |
| HELLS | ENSG00000119969.14 | 5.499122423 | 4.191163795 | 3.708948798 |
| MPP5 | ENSG00000072415.8 | 4.587337455 | 3.394432493 | 4.411353195 |
| CC2D2A | ENSG00000048342.15 | 4.225690188 | 3.794888825 | 6.22209648 |
| STYX | ENSG00000198252.11 | 3.770442985 | 3.475330383 | 4.096136369 |
| PLXNB1 | ENSG00000164050.12 | 4.715637851 | 4.286508668 | 4.66436378 |
| MAP2K5 | ENSG00000137764.19 | 5.186562578 | 4.202426662 | 5.784763555 |
| PASK | ENSG00000115687.13 | 3.403011644 | 4.062180942 | 4.037128519 |
| IKBIP | ENSG00000166130.14 | 5.603226018 | 6.458625654 | 3.480892005 |
| MSTO1 | ENSG00000125459.14 | 4.657996198 | 5.044144316 | 3.477593255 |
| IFI30 | ENSG00000216490.3 | 5.804433463 | 4.766605477 | 3.458286586 |
| GPALPP1 | ENSG00000133114.17 | 4.27399441 | 3.547330976 | 3.727593527 |
| DIAPH3 | ENSG00000139734.17 | 3.636621327 | 3.534509437 | 3.391954486 |
| TMEM150A | ENSG00000168890.13 | 3.765867826 | 4.692756329 | 3.680727758 |
| CTTNBP2NL | ENSG00000143079.14 | 4.160196316 | 3.944398472 | 3.799867957 |
| HIPK2 | ENSG00000064393.15 | 6.239116782 | 4.986161264 | 5.731985212 |
| ZNF507 | ENSG00000168813.16 | 4.524085098 | 3.850991032 | 3.598067119 |
| BRAP | ENSG00000089234.15 | 4.70478023 | 4.350108571 | 3.472711534 |
| GSTZ1 | ENSG00000100577.18 | 3.510909588 | 4.000310797 | 3.557812623 |
| PDSS1 | ENSG00000148459.15 | 5.255049888 | 3.689470156 | 3.492133151 |
| CISD1 | ENSG00000122873.11 | 4.639624843 | 3.396698999 | 6.884378763 |
| THAP1 | ENSG00000131931.8 | 3.823251877 | 3.648650777 | 3.628685003 |
| ARMCX3 | ENSG00000102401.19 | 3.65240905 | 5.191725102 | 4.832287853 |
| CEP192 | ENSG00000101639.18 | 3.80383774 | 3.99124225 | 3.920280076 |
| APTR | ENSG00000214293.8 | 3.447765284 | 4.824210066 | 4.432727808 |
| RLF | ENSG00000117000.8 | 4.366084262 | 3.521901387 | 3.367995891 |
| TPM1 | ENSG00000140416.19 | 6.163150843 | 5.132192779 | 5.195061599 |
| SOCS7 | ENSG00000274211.4 | 4.596304399 | 3.895409823 | 4.883276155 |
| ZNF134 | ENSG00000213762.11 | 4.240323314 | 3.434071339 | 4.04929166 |
| CNTRL | ENSG00000119397.16 | 5.173012921 | 4.045847944 | 3.438712279 |
| CEP89 | ENSG00000121289.17 | 4.620027635 | 4.142518233 | 4.165439876 |
| CDCA2 | ENSG00000184661.13 | 5.045780422 | 3.709540951 | 3.440157765 |
| AL590617.2 | ENSG00000225177.5 | 5.727425864 | 4.411178475 | 3.978157148 |
| TEP1 | ENSG00000129566.12 | 4.341859072 | 3.764508944 | 4.522092465 |
| NOCT | ENSG00000151014.5 | 4.714776214 | 3.767219255 | 3.4056894 |
| METTL18 | ENSG00000171806.11 | 4.439254765 | 3.709620201 | 3.44536553 |
| AL445524.1 | ENSG00000233461.5 | 4.361398193 | 4.789590195 | 3.891594752 |
| WHRN | ENSG00000095397.13 | 3.935081285 | 6.474759364 | 4.099146992 |
| DEDD2 | ENSG00000160570.13 | 4.491355508 | 4.895037305 | 4.384759587 |
| DDX51 | ENSG00000185163.9 | 3.835801785 | 3.475264226 | 4.566475868 |
| NFATC3 | ENSG00000072736.18 | 4.895960858 | 3.463233901 | 4.20422552 |

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| TAMM41 | ENSG00000144559.10 | 4.992079119 | 4.766132788 | 3.407483669 |
| TBC1D8 | ENSG00000204634.12 | 4.896623716 | 4.682426813 | 3.961197225 |
| ARHGFEF25 | ENSG00000240771.6 | 4.621836111 | 4.02266713 | 6.457520955 |
| UNC119 | ENSG00000109103.11 | 4.171460138 | 5.104785886 | 5.013857712 |
| MARK4 | ENSG00000007047.14 | 4.515012838 | 4.256783996 | 5.296862059 |
| WBP1L | ENSG00000166272.16 | 4.606097202 | 4.725849005 | 5.060753698 |
| C6orf203 | ENSG00000130349.9 | 4.748232349 | 4.138728352 | 3.427840657 |
| MAPK12 | ENSG00000188130.13 | 3.901311636 | 4.760843054 | 4.611925291 |
| PNRC1 | ENSG00000146278.10 | 5.145902031 | 5.047414333 | 5.410079034 |
| MXRA7 | ENSG00000182534.13 | 3.96071254 | 6.129952013 | 6.008999387 |
| PRIMPOL | ENSG00000164306.10 | 4.438914832 | 3.42178456 | 4.044750994 |
| PARP12 | ENSG00000059378.12 | 4.608886788 | 5.00795484 | 4.470441886 |
| ABHD13 | ENSG00000139826.5 | 4.179637038 | 3.606514655 | 3.894266839 |
| GZF1 | ENSG00000125812.15 | 3.934084288 | 3.820639798 | 3.407851041 |
| CSNK1G1 | ENSG00000169118.17 | 4.160759373 | 4.96969968 | 4.323717721 |
| SH3BP5 | ENSG00000131370.15 | 4.534572231 | 7.989304853 | 4.432549526 |
| FLNB | ENSG00000136068.14 | 6.250029254 | 5.577775658 | 3.465824715 |
| STRIP2 | ENSG00000128578.9 | 3.442039739 | 4.357209983 | 4.170629751 |
| MRRF | ENSG00000148187.17 | 5.308309314 | 5.307947699 | 4.099103207 |
| GPATCH2 | ENSG00000092978.10 | 4.767802421 | 3.400392997 | 3.544412582 |
| NFKBIZ | ENSG00000144802.11 | 3.532035157 | 6.028887558 | 3.749850934 |
| CYP4V2 | ENSG00000145476.15 | 3.545144569 | 3.855013436 | 4.187032688 |
| DYM | ENSG00000141627.13 | 4.6336371 | 4.23308606 | 5.039954739 |
| BTN2A2 | ENSG00000124508.16 | 3.939012653 | 4.832100204 | 4.850972408 |
| CUL7 | ENSG00000044090.8 | 4.143912913 | 4.97458676 | 4.88595299 |
| RGP1 | ENSG00000107185.9 | 5.563998226 | 4.290421816 | 4.297583971 |
| PPM1D | ENSG00000170836.11 | 4.340966909 | 3.837359764 | 4.150653098 |
| PLEKHA4 | ENSG00000105559.11 | 6.166949413 | 6.708340822 | 4.926251404 |
| FAM206A | ENSG00000119328.11 | 5.128733484 | 5.453163927 | 3.401288534 |
| ZNF562 | ENSG00000171466.9 | 4.674305896 | 4.41154143 | 3.710752236 |
| DOCK4 | ENSG00000128512.20 | 5.565008544 | 4.009065676 | 4.787567862 |
| NXT1 | ENSG00000132661.3 | 5.44739768 | 5.289826362 | 3.482505859 |
| ABCB9 | ENSG00000150967.17 | 4.773463551 | 3.537355313 | 4.486463555 |
| SLC2A3 | ENSG00000059804.15 | 5.216184015 | 4.242562552 | 5.226945091 |
| SEPT6 | ENSG00000125354.22 | 4.370909421 | 4.956604709 | 4.489385381 |
| TADA2A | ENSG00000276234.4 | 4.249349245 | 3.670256701 | 3.474695559 |
| SFRP1 | ENSG00000104332.11 | 7.636713837 | 5.170100755 | 8.501460688 |
| COG8 | ENSG00000272617.2 | 5.011024214 | 3.972421749 | 4.330925269 |
| POLR3G | ENSG00000113356.11 | 5.584378294 | 5.018261272 | 5.598858759 |
| ANKMY2 | ENSG00000106524.8 | 3.433444792 | 5.074715862 | 5.024439859 |
| FBXO42 | ENSG00000037637.10 | 3.749033629 | 3.857434425 | 4.012760512 |
| SERGEF | ENSG00000129158.10 | 4.443477627 | 4.672879857 | 4.790123396 |
| METTL22 | ENSG00000067365.14 | 3.656818625 | 3.895560089 | 4.425577449 |
| JRKL | ENSG00000183340.6 | 4.795452995 | 3.379020814 | 4.875795047 |
| ZNF189 | ENSG00000136870.10 | 4.240133756 | 4.591392985 | 3.362347119 |
| ZNF358 | ENSG00000198816.6 | 5.604797432 | 4.3756701 | 4.973498135 |

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| NSMCE3 | ENSG00000185115.5 | 3.358775832 | 4.450148705 | 3.950450274 |
| FBXO44 | ENSG00000132879.13 | 3.579821219 | 5.943353145 | 6.550730528 |
| MPI | ENSG00000178802.17 | 5.034241496 | 4.876316678 | 3.470481524 |
| SLC35D1 | ENSG00000116704.7 | 4.072483039 | 3.593554602 | 3.519367845 |
| COQ2 | ENSG00000173085.13 | 4.525458019 | 4.078319697 | 3.364448978 |
| TTC31 | ENSG00000115282.19 | 4.739656005 | 3.921500493 | 3.704187901 |
| NLE1 | ENSG00000073536.17 | 4.79280708 | 4.623497894 | 4.184128436 |
| DPY19L3 | ENSG00000178904.18 | 4.091273577 | 3.87384324 | 3.662212738 |
| RPIA | ENSG00000153574.8 | 5.316874988 | 4.904022315 | 3.37480318 |
| HAGHL | ENSG00000103253.17 | 4.914533599 | 5.358221254 | 5.564017297 |
| CTBS | ENSG00000117151.12 | 3.55586332 | 4.064454129 | 4.952556013 |
| MYO10 | ENSG00000145555.14 | 3.330298947 | 8.368373623 | 8.863461385 |
| SCO1 | ENSG00000133028.10 | 4.872586581 | 3.430287644 | 3.90926084 |
| C9orf85 | ENSG00000155621.14 | 4.668127097 | 4.650270743 | 3.571778763 |
| BBS10 | ENSG00000179941.6 | 4.38848977 | 3.975515543 | 4.334101156 |
| ZNF511 | ENSG00000198546.14 | 5.332497223 | 3.78923542 | 3.678321799 |
| CNNM4 | ENSG00000158158.11 | 3.397146748 | 3.678235266 | 4.181627573 |
| ABRAXAS2 | ENSG00000165660.7 | 5.041891328 | 3.792272094 | 4.219167995 |
| SEC61A2 | ENSG00000065665.20 | 3.561260206 | 4.143542951 | 4.197900159 |
| GMPPB | ENSG00000173540.12 | 4.359405171 | 4.535255888 | 3.413684753 |
| RHBDD1 | ENSG00000144468.16 | 4.008561867 | 4.475377644 | 5.798144522 |
| UTP14C | ENSG00000253797.2 | 4.065840938 | 3.94579224 | 3.96329826 |
| TRUB2 | ENSG00000167112.9 | 5.584801852 | 5.271548751 | 3.345687794 |
| UHRF1BP1 | ENSG00000065060.16 | 3.813199859 | 3.947124712 | 5.385757835 |
| SH3D19 | ENSG00000109686.17 | 4.86126532 | 4.051310053 | 4.902264227 |
| CLCN6 | ENSG00000011021.21 | 3.42842966 | 4.639163556 | 4.036925662 |
| SLC25A19 | ENSG00000125454.11 | 4.459501314 | 3.687256831 | 3.801551261 |
| DUSP3 | ENSG00000108861.8 | 4.577572054 | 4.875763002 | 5.66797649 |
| DEXI | ENSG00000182108.9 | 3.425493931 | 4.56261866 | 4.765569707 |
| CHEK2 | ENSG00000183765.20 | 4.370875947 | 4.342614667 | 4.042925143 |
| TSC22D2 | ENSG00000196428.12 | 4.122865132 | 4.07286776 | 4.86897113 |
| CUTC | ENSG00000119929.12 | 5.472370272 | 3.922224875 | 4.073860918 |
| RBBP9 | ENSG00000089050.15 | 4.78848887 | 4.520601088 | 3.33642459 |
| MTHFR | ENSG00000177000.11 | 3.65870658 | 3.945204047 | 4.128140363 |
| IFI44 | ENSG00000137965.10 | 4.570241266 | 3.363850876 | 4.306297023 |
| FBXO33 | ENSG00000165355.7 | 3.818710136 | 3.693812546 | 3.811661531 |
| RAB30-AS1 | ENSG00000246067.7 | 4.407014253 | 3.654552338 | 3.984844233 |
| ARHGEF10 | ENSG00000104728.15 | 3.804303098 | 3.452687469 | 3.521156112 |
| SMIM10L1 | ENSG00000256537.4 | 4.330552632 | 3.753321641 | 5.497322575 |
| DGKD | ENSG00000077044.10 | 4.904259431 | 4.046092186 | 4.772916296 |
| PLD1 | ENSG00000075651.15 | 3.408647086 | 5.41132426 | 5.306118661 |
| MED9 | ENSG00000141026.5 | 4.070985522 | 4.80885348 | 5.222545346 |
| ANAPC10 | ENSG00000164162.13 | 4.136897521 | 3.311395853 | 3.743712895 |
| ZDHHC24 | ENSG00000174165.7 | 3.358531871 | 3.874943841 | 4.33118665 |
| RAB38 | ENSG00000123892.11 | 5.038795143 | 7.454457897 | 8.014799754 |
| CCNT2 | ENSG00000082258.12 | 3.431259783 | 3.751851898 | 4.03349711 |

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| BCL6 | ENSG00000113916.17 | 4.266711845 | 4.089852258 | 4.491511045 |
| BAHD1 | ENSG00000140320.11 | 4.582021685 | 4.627903298 | 4.863205644 |
| DXO | ENSG00000204348.9 | 3.565780328 | 3.840339034 | 4.051083637 |
| RCL1 | ENSG00000120158.11 | 5.460840026 | 3.787341089 | 3.366707579 |
| ZNF513 | ENSG00000163795.13 | 4.652812745 | 4.534011778 | 3.394155314 |
| AC027031.2 | ENSG00000254615.2 | 5.116235368 | 3.699225597 | 3.782926867 |
| FBXW4 | ENSG00000107829.13 | 4.190381558 | 3.650914166 | 4.118829135 |
| C11orf74 | ENSG00000166352.15 | 3.987448231 | 5.075227502 | 5.70501425 |
| MNS1 | ENSG00000138587.5 | 4.040007177 | 3.363012914 | 3.399737522 |
| WDR47 | ENSG00000085433.15 | 3.78301701 | 3.852687265 | 3.666296764 |
| NEIL2 | ENSG00000154328.15 | 3.729242082 | 3.52589947 | 4.98680136 |
| SETD1B | ENSG00000139718.10 | 4.446147517 | 4.02703875 | 3.833820056 |
| SLC19A1 | ENSG00000173638.18 | 4.328349467 | 3.907875847 | 3.516791601 |
| FAM171B | ENSG00000144369.12 | 3.53531747 | 3.902155332 | 6.676562515 |
| PRKAB1 | ENSG00000111725.10 | 5.018826747 | 4.427742009 | 5.601223528 |
| LMAN2L | ENSG00000114988.11 | 4.057875065 | 4.539814705 | 3.839325768 |
| BRCC3 | ENSG00000185515.14 | 4.571434359 | 4.048414768 | 4.084391516 |
| SLC2A1 | ENSG00000117394.20 | 6.494452834 | 5.458695159 | 4.502993736 |
| FAM204A | ENSG00000165669.13 | 4.278694881 | 3.735825727 | 4.511011681 |
| ANO6 | ENSG00000177119.15 | 5.659768381 | 5.46852205 | 3.304944053 |
| SGPP1 | ENSG00000126821.7 | 3.594820697 | 3.37268604 | 4.575673942 |
| NCEH1 | ENSG00000144959.9 | 3.428536813 | 4.197765487 | 5.186581777 |
| NEK2 | ENSG00000117650.12 | 6.063040329 | 3.358040666 | 3.963242081 |
| FAM118A | ENSG00000100376.11 | 3.536958849 | 5.748370721 | 4.46866145 |
| LRR1 | ENSG00000165501.16 | 5.344483492 | 4.030285038 | 3.408768334 |
| ELMSAN1 | ENSG00000156030.13 | 5.337658741 | 3.464178892 | 4.981441478 |
| SPATC1L | ENSG00000160284.14 | 4.198990589 | 4.495007646 | 4.729095412 |
| ZNF146 | ENSG00000167635.11 | 6.682101846 | 6.263134002 | 5.910254112 |
| ARHGAP31 | ENSG00000031081.10 | 4.088844735 | 4.492172995 | 4.732167295 |
| HPS6 | ENSG00000166189.7 | 4.904938532 | 4.005390406 | 3.471212922 |
| ARL6IP6 | ENSG00000177917.10 | 4.165027817 | 3.55058356 | 3.735136056 |
| ETFRF1 | ENSG00000205707.10 | 3.885161735 | 4.149577291 | 5.232241199 |
| OFD1 | ENSG00000046651.14 | 4.550826943 | 3.631250796 | 4.672310511 |
| TMEM80 | ENSG00000177042.14 | 3.628760688 | 4.005144742 | 3.354543287 |
| ZNF574 | ENSG00000105732.12 | 4.092094211 | 4.462655721 | 3.928824581 |
| ETFDH | ENSG00000171503.11 | 3.862575883 | 3.618841904 | 4.281330926 |
| SPIN1 | ENSG00000106723.16 | 5.668429141 | 5.785120366 | 4.113484748 |
| CXorf38 | ENSG00000185753.12 | 4.545679451 | 3.745969039 | 3.340078696 |
| CITED2 | ENSG00000164442.9 | 4.022440878 | 3.380890652 | 3.927558158 |
| VPS37A | ENSG00000155975.9 | 4.016159664 | 3.479784456 | 4.723778776 |
| ALKBH1 | ENSG00000100601.9 | 3.849692793 | 3.364029845 | 4.232995571 |
| C1QTNF1 | ENSG00000173918.14 | 3.462980172 | 5.505421082 | 6.976295396 |
| THUMP3-AS1 | ENSG00000206573.8 | 4.079315312 | 4.47415087 | 4.232034475 |
| WDSUB1 | ENSG00000196151.10 | 3.490774008 | 4.771325962 | 5.139114227 |
| GOLGA5 | ENSG00000066455.12 | 4.879371289 | 5.26698927 | 3.400402302 |
| HOTAIRM1_5 | ENSG00000277694.1 | 3.387563386 | 4.809967983 | 4.488781134 |

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| DHRS11 | ENSG00000278535.4 | 5.47723443 | 5.586746575 | 4.666813823 |
| ZCCHC24 | ENSG00000165424.6 | 6.721889722 | 4.421262149 | 5.000395319 |
| AL049840.3 | ENSG00000269940.1 | 4.173129831 | 4.189077602 | 3.366322921 |
| TMEM254 | ENSG00000133678.13 | 4.392662152 | 3.408245484 | 3.777862616 |
| RIMKLB | ENSG00000166532.15 | 4.934762688 | 4.302026054 | 4.7130353 |
| HINFP | ENSG00000172273.12 | 4.366905267 | 3.580906404 | 4.122244017 |
| DNAJB4 | ENSG00000162616.8 | 3.491171205 | 4.661145367 | 3.484981234 |
| TRIM14 | ENSG00000106785.14 | 4.321845737 | 4.141299391 | 3.328608017 |
| SKA1 | ENSG00000154839.9 | 3.861411896 | 4.494713009 | 3.375193149 |
| STAG3L3 | ENSG00000174353.17 | 3.660278166 | 3.694558416 | 3.767359409 |
| SATB2 | ENSG00000119042.16 | 3.745570999 | 4.337316671 | 4.106455247 |
| PTPN13 | ENSG00000163629.12 | 3.35636435 | 4.183175864 | 3.861632015 |
| MTPAP | ENSG00000107951.14 | 3.986633798 | 4.003170134 | 3.879481661 |
| SSX2IP | ENSG00000117155.16 | 4.436471839 | 3.412834249 | 3.320099336 |
| HDHD2 | ENSG00000167220.11 | 4.13360157 | 4.634573898 | 3.969855253 |
| POLH | ENSG00000170734.11 | 4.194341239 | 4.292922536 | 4.686130003 |
| TSPAN31 | ENSG00000135452.9 | 4.946659462 | 4.073441192 | 6.350716397 |
| DHRS13 | ENSG00000167536.13 | 4.577235457 | 3.529718009 | 5.317909017 |
| SNRNP48 | ENSG00000168566.12 | 4.487349629 | 4.10340453 | 3.536348844 |
| TMEM251 | ENSG00000153485.5 | 4.222310332 | 5.069818321 | 4.530539326 |
| ZNF740 | ENSG00000139651.10 | 5.079842939 | 3.586629526 | 3.430615992 |
| C4orf33 | ENSG00000151470.12 | 3.355913284 | 3.663740957 | 4.372809332 |
| BAG1 | ENSG00000107262.19 | 5.162241748 | 4.878253017 | 3.679083858 |
| HOMER2 | ENSG00000103942.12 | 4.433228182 | 3.381257149 | 5.216792382 |
| MT-TH | ENSG00000210176.1 | 3.311381473 | 4.817002292 | 4.205028656 |
| RPL32P3 | ENSG00000251474.6 | 4.03262407 | 4.215419437 | 3.974735524 |
| MEF2C | ENSG00000081189.15 | 3.534881214 | 4.132604562 | 6.396194823 |
| ARID2 | ENSG00000189079.15 | 4.349920583 | 3.508868672 | 3.801926031 |
| EDRF1 | ENSG00000107938.17 | 5.3571606 | 3.827913473 | 3.711116658 |
| CDCA8 | ENSG00000134690.10 | 6.087049858 | 4.454686189 | 3.39031729 |
| CEP41 | ENSG00000106477.18 | 4.3675797 | 3.509375549 | 5.173972222 |
| EEF2K | ENSG00000103319.11 | 5.233659402 | 4.735062397 | 3.433618412 |
| KIAA1841 | ENSG00000162929.13 | 3.378529062 | 4.105173503 | 3.327381474 |
| KDM5B | ENSG00000117139.16 | 6.591182195 | 5.395225196 | 3.65336533 |
| ARSD | ENSG00000006756.15 | 3.419354545 | 3.544721402 | 3.791578132 |
| TMCC1 | ENSG00000172765.16 | 3.913824351 | 3.64395151 | 3.870732553 |
| EXOSC6 | ENSG00000223496.2 | 5.441774811 | 3.978194007 | 5.608113379 |
| EPM2AIP1 | ENSG00000178567.7 | 4.040769979 | 4.105155044 | 3.657304995 |
| C1orf35 | ENSG00000143793.12 | 4.985309956 | 3.31605206 | 3.890387153 |
| CACUL1 | ENSG00000151893.14 | 4.608615053 | 3.997574216 | 4.65523161 |
| ZNF580 | ENSG00000213015.8 | 5.41926491 | 3.869905408 | 5.576405218 |
| ARMT1 | ENSG00000146476.10 | 5.018010753 | 4.666383097 | 4.218533901 |
| ABCC10 | ENSG00000124574.14 | 3.389457515 | 4.360852318 | 4.359551754 |
| CDKN2D | ENSG00000129355.6 | 4.851409938 | 4.208360319 | 4.82670494 |
| ABHD15 | ENSG00000168792.4 | 4.031802448 | 4.334948067 | 3.941905116 |
| KLHL2 | ENSG00000109466.13 | 4.350041858 | 3.904081316 | 4.869227385 |

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| STIM2 | ENSG00000109689.15 | 5.418128616 | 3.692102638 | 6.909289912 |
| AL031587.5 | ENSG00000278948.1 | 4.261496592 | 3.618958191 | 4.437532886 |
| SDHAP1 | ENSG00000185485.14 | 3.28151795 | 4.169052109 | 3.976486307 |
| TUBA1A | ENSG00000167552.13 | 5.560901235 | 6.255224613 | 3.808574481 |
| PDPR | ENSG00000090857.13 | 6.095524082 | 3.587745424 | 5.82920232 |
| TTC13 | ENSG00000143643.12 | 4.727717268 | 3.844237468 | 3.369329019 |
| ACAD11 | ENSG00000240303.7 | 3.790192212 | 4.155755067 | 3.900236887 |
| BNC2 | ENSG00000173068.17 | 3.470405736 | 4.134833782 | 3.871143943 |
| DNAL4 | ENSG00000100246.12 | 3.421151657 | 3.768298641 | 4.905780033 |
| ATXN1L | ENSG00000224470.7 | 4.297880247 | 4.715428229 | 4.443296126 |
| TSTD2 | ENSG00000136925.14 | 4.602333499 | 4.67920539 | 3.30125225 |
| WIPF2 | ENSG00000171475.13 | 5.024189028 | 5.6054467 | 5.484700978 |
| RCAN3 | ENSG00000117602.11 | 4.28072557 | 4.333661259 | 3.90810157 |
| POGLUT1 | ENSG00000163389.10 | 4.405197985 | 3.352105717 | 3.740785103 |
| NUTM2A-AS1 | ENSG00000223482.7 | 5.299993382 | 4.408338328 | 4.96741927 |
| SFI1 | ENSG00000198089.15 | 4.123523414 | 4.965490209 | 5.309924738 |
| FAM160B1 | ENSG00000151553.14 | 3.798090304 | 3.856440759 | 4.424605508 |
| ZBTB1 | ENSG00000126804.13 | 4.466031999 | 4.320450322 | 3.430337375 |
| ZNF224 | ENSG00000267680.5 | 4.146182572 | 3.342976897 | 3.921545837 |
| SNX10 | ENSG00000086300.15 | 5.392065775 | 5.821714103 | 7.255071918 |
| SKP2 | ENSG00000145604.15 | 6.035472762 | 5.179771778 | 3.377353392 |
| TRAPPC6B | ENSG00000182400.14 | 4.241545789 | 3.308184606 | 4.926751999 |
| SOD2 | ENSG00000112096.16 | 4.843788822 | 4.294508939 | 4.155307325 |
| ALG11 | ENSG00000253710.2 | 3.853583981 | 3.847958042 | 3.292626521 |
| ELK3 | ENSG00000111145.7 | 6.308635201 | 4.448446832 | 3.3606826 |
| FARS2 | ENSG00000145982.11 | 3.722585527 | 4.06130401 | 4.128025857 |
| NF2 | ENSG00000186575.17 | 4.823775057 | 4.311724248 | 4.892993052 |
| FAM58A | ENSG00000262919.7 | 4.356622908 | 5.153809526 | 4.15390575 |
| THAP3 | ENSG00000041988.15 | 4.435760396 | 3.609988836 | 4.326374315 |
| ADA | ENSG00000196839.12 | 4.683644446 | 3.940563016 | 4.050899762 |
| USP20 | ENSG00000136878.12 | 4.27570901 | 4.796035784 | 3.647867959 |
| CAMK2G | ENSG00000148660.20 | 3.87024537 | 3.357181935 | 3.820275297 |
| GLMN | ENSG00000174842.16 | 4.31362273 | 4.126292052 | 3.346620385 |
| SNTA1 | ENSG00000101400.5 | 3.364214997 | 5.040212673 | 4.520570598 |
| PWWP2A | ENSG00000170234.12 | 3.865792337 | 3.382399622 | 3.818848963 |
| ZNF226 | ENSG00000167380.16 | 4.261095962 | 3.428915707 | 4.135440434 |
| DTNB | ENSG00000138101.18 | 3.369211471 | 3.97251189 | 4.350239702 |
| NSUN4 | ENSG00000117481.10 | 4.553131276 | 4.391959133 | 3.372464771 |
| AL355338.1 | ENSG00000274605.1 | 4.601337521 | 3.781149495 | 4.214108162 |
| SMYD3 | ENSG00000185420.18 | 4.32524937 | 3.287469461 | 3.835814621 |
| BAIAP2-AS1 | ENSG00000226137.5 | 3.270765555 | 3.908800489 | 5.363064741 |
| ZNF281 | ENSG00000162702.7 | 4.868035379 | 4.741895835 | 3.973762903 |
| DCTN5 | ENSG00000166847.9 | 4.523752497 | 4.049284201 | 4.24607327 |
| AC069544.2 | ENSG00000284024.1 | 3.746438452 | 3.840735209 | 3.443647759 |
| SLC25A37 | ENSG00000147454.13 | 4.957007631 | 4.9553307 | 3.555843117 |
| GCLM | ENSG00000023909.9 | 5.090016681 | 4.569847749 | 4.040289163 |

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| RELL2 | ENSG00000164620.8 | 4.00127465 | 4.690309815 | 4.403538544 |
| C9orf40 | ENSG00000135045.6 | 4.370945217 | 3.963066388 | 3.960731131 |
| IQGAP3 | ENSG00000183856.10 | 5.74116151 | 4.367337075 | 3.307105958 |
| HDAC10 | ENSG00000100429.17 | 3.81228945 | 4.751902623 | 4.580026314 |
| KDM6B | ENSG00000132510.10 | 5.205698856 | 4.320816388 | 4.83717402 |
| RC3H1 | ENSG00000135870.11 | 3.607883988 | 3.831620201 | 3.277290912 |
| CWF19L2 | ENSG00000152404.15 | 4.543581179 | 3.567665427 | 3.567039168 |
| SCAMP1 | ENSG00000085365.17 | 4.380175992 | 3.786204434 | 4.356283786 |
| MOB3A | ENSG00000172081.13 | 4.682519585 | 5.644607012 | 6.070820908 |
| ZNF865 | ENSG00000261221.3 | 4.373203332 | 3.334151915 | 4.073039548 |
| MED11 | ENSG00000161920.9 | 5.341635034 | 3.347887884 | 3.508747134 |
| NHEJ1 | ENSG00000187736.12 | 3.780383453 | 3.886757969 | 3.472926365 |
| PRRG1 | ENSG00000130962.17 | 3.305085903 | 3.478944197 | 3.289221981 |
| AP5Z1 | ENSG00000242802.6 | 3.616691702 | 5.671908284 | 4.722027599 |
| FAM220A | ENSG00000178397.12 | 4.021168398 | 4.441979421 | 3.972593642 |
| SYNGR1 | ENSG00000100321.14 | 3.935221951 | 4.545481529 | 5.862703671 |
| WWC3 | ENSG00000047644.18 | 3.363819047 | 3.684368705 | 4.850863274 |
| ASB7 | ENSG00000183475.12 | 3.956201451 | 4.374286901 | 3.896887677 |
| TUBB6 | ENSG00000176014.12 | 5.092239806 | 5.699805558 | 3.31932163 |
| ZNF37A | ENSG00000075407.18 | 4.012640628 | 3.677962302 | 3.889724055 |
| TRIM69 | ENSG00000185880.12 | 3.367823294 | 4.039590417 | 5.622661638 |
| CD3EAP | ENSG00000117877.10 | 4.718924647 | 3.32435539 | 3.783781286 |
| FBXL18 | ENSG00000155034.18 | 4.850441257 | 4.41248428 | 3.400686413 |
| FAM214A | ENSG00000047346.12 | 4.50276435 | 4.213490701 | 4.394172511 |
| ZNF444 | ENSG00000167685.14 | 4.137335191 | 3.750135681 | 3.731287346 |
| COQ10A | ENSG00000135469.13 | 4.338837655 | 4.235679824 | 3.843168577 |
| MYNN | ENSG00000085274.15 | 3.383125212 | 3.58658825 | 3.752011048 |
| AHCYL2 | ENSG00000158467.16 | 3.526344569 | 5.298168527 | 5.23012507 |
| SGO1 | ENSG00000129810.14 | 4.861942656 | 4.258205238 | 3.326729375 |
| FAM102B | ENSG00000162636.15 | 3.312855516 | 4.385049306 | 3.918455292 |
| TBP | ENSG00000112592.13 | 4.726371658 | 3.620993203 | 3.345225141 |
| UBQLN2 | ENSG00000188021.8 | 5.224567064 | 5.069267859 | 5.344921594 |
| ZNF195 | ENSG00000005801.16 | 4.617698359 | 4.628509119 | 3.687980733 |
| TGFB1I1 | ENSG00000140682.18 | 4.806798085 | 3.395620056 | 4.856034099 |
| STX17 | ENSG00000136874.10 | 4.274161743 | 4.112358703 | 3.6363786 |
| TSSC4 | ENSG00000184281.14 | 4.642866371 | 5.203217753 | 4.448176409 |
| DDX28 | ENSG00000182810.6 | 4.635668398 | 3.593363167 | 3.387784496 |
| EXOC6B | ENSG00000144036.15 | 3.335715269 | 4.899281549 | 4.279838716 |
| PALLD | ENSG00000129116.17 | 3.514419155 | 4.86683225 | 5.081167482 |
| ABHD4 | ENSG00000100439.10 | 3.303263592 | 3.812798937 | 4.911901919 |
| CCZ1 | ENSG00000122674.11 | 5.189027277 | 5.595450244 | 4.580710856 |
| MPP6 | ENSG00000105926.15 | 4.375191738 | 4.129775831 | 3.861112494 |
| CLIP2 | ENSG00000106665.15 | 3.761682509 | 5.105933466 | 4.087578689 |
| AC018638.2 | ENSG00000230715.3 | 3.526759136 | 5.071338188 | 4.832319435 |
| STARD10 | ENSG00000214530.8 | 3.468116952 | 4.614970744 | 5.015585924 |
| LLPH | ENSG00000139233.6 | 4.485699706 | 4.039006205 | 3.511276581 |

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| CHKB | ENSG00000100288.19 | 3.50455715 | 4.671112537 | 5.059277427 |
| BTAF1 | ENSG00000095564.13 | 4.940284133 | 4.522717533 | 4.414059242 |
| TOR1AIP1 | ENSG00000143337.18 | 4.396985535 | 4.924842173 | 4.165491895 |
| AP1G2 | ENSG00000213983.11 | 3.542471978 | 4.068798232 | 5.536457737 |
| BORA | ENSG00000136122.15 | 4.236716773 | 3.339746617 | 3.313124196 |
| C18orf21 | ENSG00000141428.16 | 3.852706891 | 4.324231302 | 4.126613395 |
| PLGRKT | ENSG00000107020.9 | 5.081306867 | 4.345193585 | 5.10957357 |
| HCG18 | ENSG00000231074.8 | 4.693534358 | 4.147347627 | 4.718717149 |
| ZNF700 | ENSG00000196757.7 | 4.185733316 | 3.56767084 | 4.246369864 |
| SLC25A26 | ENSG00000144741.17 | 4.165418342 | 4.233522967 | 4.406821184 |
| ERBB3 | ENSG00000065361.14 | 8.203852917 | 6.629393251 | 5.349050107 |
| POLM | ENSG00000122678.16 | 4.096061047 | 4.497222252 | 3.710204095 |
| ZFYVE9 | ENSG00000157077.14 | 4.384749083 | 4.677588228 | 4.314639651 |
| NTPCR | ENSG00000135778.11 | 4.517749059 | 3.531995362 | 4.857839571 |
| SKA3 | ENSG00000165480.15 | 4.985303549 | 3.301650029 | 3.517139566 |
| CUL9 | ENSG00000112659.13 | 3.91741796 | 4.576385248 | 4.19024283 |
| DYRK4 | ENSG00000010219.13 | 3.788567006 | 4.173624657 | 5.632977962 |
| ARRB2 | ENSG00000141480.17 | 5.386783664 | 3.555045438 | 4.959087315 |
| BMT2 | ENSG00000164603.11 | 3.317478403 | 3.676392994 | 3.427320705 |
| SLC38A9 | ENSG00000177058.11 | 4.920989896 | 3.642848352 | 3.35639486 |
| SIRT3 | ENSG00000142082.14 | 3.871532802 | 3.975750664 | 3.832902568 |
| C10orf76 | ENSG00000120029.12 | 4.616777935 | 3.919228875 | 4.752474531 |
| SPTLC2 | ENSG00000100596.6 | 4.256054628 | 3.366209709 | 5.136593704 |
| ZNF587 | ENSG00000198466.11 | 4.57134873 | 3.575702398 | 4.098746334 |
| TNS2 | ENSG00000111077.17 | 5.777169623 | 3.474513012 | 3.414156956 |
| KPTN | ENSG00000118162.13 | 4.774071551 | 3.310021641 | 3.549737481 |
| RFX1 | ENSG00000132005.8 | 4.526557517 | 4.088283044 | 3.665343612 |
| CCL28 | ENSG00000151882.11 | 3.918235125 | 4.467766567 | 3.259347603 |
| PIGO | ENSG00000165282.13 | 4.999850773 | 3.633941046 | 3.340741498 |
| PROSER3 | ENSG00000167595.14 | 4.667088942 | 4.310789216 | 3.735730142 |
| DECR2 | ENSG00000242612.6 | 3.913652152 | 4.644793492 | 3.330477274 |
| ITGA3 | ENSG00000005884.17 | 7.491731699 | 5.162477271 | 4.591103403 |
| BANP | ENSG00000172530.20 | 4.462823589 | 4.154128305 | 4.686156375 |
| ISY1 | ENSG00000240682.9 | 6.504612954 | 5.457623089 | 3.847701409 |
| SLC5A3 | ENSG00000198743.6 | 6.348091894 | 3.320275078 | 5.993902714 |
| PDP2 | ENSG00000172840.6 | 4.763977763 | 3.97692273 | 4.485318729 |
| RAP2B | ENSG00000181467.4 | 3.267777047 | 5.8983289 | 5.166304297 |
| EMP2 | ENSG00000213853.9 | 6.879636151 | 4.710984419 | 3.2131267 |
| C6orf136 | ENSG00000204564.11 | 3.926962764 | 3.790536931 | 4.759000997 |
| PHC1 | ENSG00000111752.10 | 4.926531852 | 4.997210365 | 5.551146413 |
| TLE1 | ENSG00000196781.14 | 5.064085394 | 6.205849535 | 3.354371852 |
| METTL4 | ENSG00000101574.14 | 3.713540141 | 4.429829672 | 3.963185214 |
| CNNM3 | ENSG00000168763.15 | 3.694161918 | 3.544235524 | 4.820881501 |
| SCOC | ENSG00000153130.17 | 6.21647829 | 5.977352181 | 7.013590812 |
| ZNF576 | ENSG00000124444.15 | 4.050912884 | 3.43887165 | 3.827605115 |
| CAMK2D | ENSG00000145349.16 | 4.406791002 | 3.513085196 | 5.207044056 |

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| PODXL2 | ENSG00000114631.10 | 4.326892148 | 6.941315293 | 3.486327747 |
| HSF4 | ENSG00000102878.16 | 3.397625378 | 4.217392978 | 5.392361932 |
| PSRC1 | ENSG00000134222.16 | 4.654591141 | 4.821038252 | 3.325163709 |
| ZHX1 | ENSG00000165156.14 | 4.42906427 | 3.721505614 | 3.908034851 |
| RPUSD2 | ENSG00000166133.17 | 4.716242709 | 4.600237214 | 3.730338878 |
| PIM2 | ENSG00000102096.9 | 4.898324404 | 4.281227369 | 3.894800286 |
| ANKRD46 | ENSG00000186106.11 | 3.778474629 | 3.562661277 | 3.635592908 |
| SRD5A3 | ENSG00000128039.10 | 3.607342499 | 3.211938309 | 3.742393765 |
| SLC35C1 | ENSG00000181830.8 | 4.40064354 | 4.747257611 | 4.549875221 |
| RNF8 | ENSG00000112130.16 | 4.114195976 | 4.370339359 | 4.688259613 |
| AGTPBP1 | ENSG00000135049.15 | 4.005706956 | 5.054068419 | 3.693874012 |
| HIP1R | ENSG00000130787.13 | 4.293542011 | 4.370110722 | 6.78168233 |
| MOK | ENSG00000080823.22 | 7.33205645 | 4.550138541 | 3.356582356 |
| TINF2 | ENSG00000092330.15 | 3.913451261 | 3.629843594 | 3.739209639 |
| PPP2R5B | ENSG00000068971.13 | 3.800398396 | 3.917300322 | 4.55875496 |
| PDLIM3 | ENSG00000154553.13 | 4.283008895 | 4.766708941 | 4.250518219 |
| MSH5 | ENSG00000204410.14 | 4.431545886 | 4.95609389 | 3.983701758 |
| RAB3IL1 | ENSG00000167994.11 | 3.551681873 | 4.316598737 | 4.545637525 |
| SERTAD3 | ENSG00000167565.12 | 4.37917909 | 4.650026293 | 3.682170301 |
| CLP1 | ENSG00000172409.5 | 4.867437253 | 3.76712351 | 3.423701675 |
| TRIM3 | ENSG00000110171.19 | 3.424137498 | 4.66331741 | 3.871010442 |
| KLHL36 | ENSG00000135686.12 | 4.244724512 | 4.822812062 | 5.913906525 |
| MAP3K6 | ENSG00000142733.14 | 4.099042257 | 3.991703189 | 3.486693281 |
| D2HGDH | ENSG00000180902.17 | 3.761895207 | 3.534404225 | 3.47897876 |
| CNEP1R1 | ENSG00000205423.11 | 3.781803972 | 4.252617764 | 4.178529813 |
| ERRFI1 | ENSG00000116285.12 | 7.697799335 | 3.668957409 | 5.822861231 |
| DNPH1 | ENSG00000112667.12 | 5.175645274 | 5.055771482 | 3.439840207 |
| OIP5 | ENSG00000104147.8 | 4.976464677 | 3.640406129 | 3.393766019 |
| SOCS4 | ENSG00000180008.8 | 4.366428955 | 4.189103851 | 4.157560419 |
| SLFN5 | ENSG00000166750.9 | 4.448580201 | 3.212242136 | 5.232870151 |
| TRMT11 | ENSG00000066651.18 | 4.739436118 | 3.812854835 | 3.711385385 |
| MED31 | ENSG00000108590.10 | 4.633969282 | 3.451213406 | 3.197349354 |
| COMMD5 | ENSG00000170619.9 | 5.618576287 | 3.818638998 | 4.555886046 |
| SGSH | ENSG00000181523.12 | 4.308066399 | 4.766600052 | 4.517325424 |
| FAM193A | ENSG00000125386.15 | 3.578015795 | 3.284260829 | 5.338322514 |
| DUSP22 | ENSG00000112679.14 | 3.741446628 | 3.983257324 | 4.277920499 |
| DHRX | ENSG00000169084.13 | 3.303066864 | 3.392021675 | 5.053504296 |
| CENPE | ENSG00000138778.11 | 5.054130386 | 3.480320426 | 3.387830512 |
| SIPA1L2 | ENSG00000116991.10 | 4.588521535 | 3.387900621 | 4.785512008 |
| AC004656.1 | ENSG00000260822.1 | 3.338471264 | 3.481413319 | 5.354490657 |
| LINC00662 | ENSG00000261824.6 | 4.750775659 | 4.929843919 | 5.417278011 |
| CENPBD1P1 | ENSG00000213753.10 | 5.227115155 | 4.29794384 | 4.692207206 |
| PIBF1 | ENSG00000083535.15 | 5.152711895 | 3.526802368 | 3.844560958 |
| MIR621 | ENSG00000207652.1 | 5.801324067 | 4.5749059 | 3.657023405 |
| CRAMP1 | ENSG00000007545.15 | 4.175153834 | 3.504827905 | 3.742763101 |
| MTCO3P12 | ENSG00000198744.5 | 3.211079774 | 4.452381525 | 11.29551669 |

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| BLOC1S5 | ENSG00000188428.19 | 3.674170389 | 3.288934073 | 4.16584445 |
| PTPRK | ENSG00000152894.14 | 4.308526001 | 4.330850336 | 3.462619404 |
| HOTAIRM1_4 | ENSG00000274396.1 | 3.346845104 | 4.624154321 | 4.24476075 |
| ZNF148 | ENSG00000163848.19 | 4.198994128 | 4.171717113 | 4.116320244 |
| CEP152 | ENSG00000103995.13 | 4.306527367 | 4.206859442 | 3.374470294 |
| KLHDC8B | ENSG00000185909.14 | 3.241587337 | 4.377930627 | 3.217784635 |
| ATP11A | ENSG00000068650.18 | 5.054537245 | 5.714723602 | 6.296529527 |
| FBXO5 | ENSG00000112029.9 | 5.476272688 | 3.782013129 | 3.34762605 |
| MXI1 | ENSG00000119950.20 | 5.506954922 | 5.834357161 | 5.642757342 |
| ZMIZ1 | ENSG00000108175.16 | 6.008876489 | 5.053836237 | 4.815982007 |
| PFKFB2 | ENSG00000123836.14 | 3.396453285 | 3.992613206 | 4.336902211 |
| DYNC2H1 | ENSG00000187240.13 | 4.594948608 | 3.446669287 | 3.970284568 |
| ANGEL1 | ENSG00000013523.9 | 3.477069753 | 3.451263869 | 5.356953418 |
| NRSN2 | ENSG00000125841.12 | 4.467134807 | 4.891336178 | 3.579697316 |
| C2orf49 | ENSG00000135974.9 | 3.9108989 | 4.240728663 | 3.206206359 |
| UBR2 | ENSG00000024048.10 | 4.149844299 | 4.173111248 | 4.264999006 |
| TRIM35 | ENSG00000104228.12 | 3.933295077 | 4.041829955 | 3.978241421 |
| MYD88 | ENSG00000172936.12 | 4.34340047 | 5.163524515 | 3.965187652 |
| ZNF830 | ENSG00000198783.5 | 4.3992179 | 4.359811533 | 4.276803924 |
| BX890604.1 | ENSG00000205664.10 | 5.05428133 | 4.008270024 | 3.469463235 |
| GID4 | ENSG00000141034.9 | 4.714117666 | 3.58595795 | 3.806587635 |
| PRMT6 | ENSG00000198890.7 | 5.689496231 | 4.112408932 | 3.294882014 |
| OSBPL6 | ENSG00000079156.16 | 4.251997753 | 3.590228027 | 4.786845892 |
| SCML1 | ENSG00000047634.14 | 3.726415821 | 3.373475893 | 4.636094629 |
| ZNF426 | ENSG00000130818.11 | 3.305803384 | 3.827252831 | 3.350992417 |
| TTC26 | ENSG00000105948.13 | 4.535309742 | 3.797942294 | 3.403551997 |
| KIAA0895L | ENSG00000196123.12 | 4.181088683 | 3.410138661 | 3.923090168 |
| HOOK2 | ENSG00000095066.11 | 3.781890012 | 4.122010658 | 3.784129025 |
| IFT122 | ENSG00000163913.11 | 4.32140922 | 3.709746778 | 3.326015007 |
| URB2 | ENSG00000135763.9 | 5.238671884 | 3.343951398 | 3.344013298 |
| PINX1 | ENSG00000254093.8 | 4.252751246 | 3.445064894 | 5.979551598 |
| INSIG2 | ENSG00000125629.14 | 3.208966026 | 4.572941575 | 5.305098731 |
| MIER2 | ENSG00000105556.11 | 4.31463904 | 4.100196752 | 3.435925892 |
| PARP3 | ENSG00000041880.14 | 4.273011018 | 4.482780744 | 3.862426138 |
| TSPAN9 | ENSG00000011105.12 | 3.297208688 | 4.993327279 | 5.499084555 |
| MMAB | ENSG00000139428.11 | 4.228031857 | 3.797643564 | 3.354016753 |
| LRRC57 | ENSG00000180979.9 | 4.522059546 | 4.839288462 | 4.530693408 |
| TRAF5 | ENSG00000082512.14 | 4.268302925 | 3.32079627 | 4.259496527 |
| DUS4L | ENSG00000105865.10 | 3.816786843 | 4.581807434 | 3.944264808 |
| GAB2 | ENSG00000033327.12 | 3.259795853 | 5.424891609 | 7.636836838 |
| AP5M1 | ENSG00000053770.11 | 3.249289632 | 3.95371518 | 4.179900228 |
| C2orf42 | ENSG00000115998.7 | 3.882498737 | 3.870888912 | 3.259172479 |
| GTPBP8 | ENSG00000163607.15 | 4.275116111 | 3.854210549 | 3.813507389 |
| EMC9 | ENSG00000100908.13 | 4.561578318 | 3.210482018 | 3.326130578 |
| ZNF219 | ENSG00000165804.15 | 3.231299606 | 3.925683253 | 4.030662743 |
| STMN3 | ENSG00000197457.9 | 3.301918339 | 5.185584264 | 6.190125131 |

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|-------------|--------------------|-------------|-------------|-------------|
| FNIP2 | ENSG00000052795.12 | 3.212738674 | 5.016802004 | 6.16777633 |
| ANKS3 | ENSG00000168096.14 | 3.73448002 | 3.393847762 | 3.665689999 |
| PICK1 | ENSG00000100151.15 | 4.65657302 | 5.025314111 | 5.227871087 |
| ITPR1 | ENSG00000150995.18 | 3.316984033 | 4.373860319 | 4.618979769 |
| POC5 | ENSG00000152359.14 | 4.833125984 | 3.897003517 | 3.32915643 |
| DBF4 | ENSG00000006634.7 | 4.177109919 | 3.816279598 | 3.298395216 |
| RBM7 | ENSG00000076053.10 | 4.623722679 | 3.484596274 | 4.017249546 |
| WASH3P | ENSG00000185596.16 | 3.431078061 | 3.887820426 | 4.792673841 |
| C1orf159 | ENSG00000131591.17 | 4.271812283 | 4.428739244 | 3.920930192 |
| RBM12 | ENSG00000244462.7 | 4.335015553 | 3.461766039 | 3.971670545 |
| TBCCD1 | ENSG00000113838.12 | 3.681966955 | 3.561360544 | 3.432867009 |
| SLC25A29 | ENSG00000197119.12 | 5.252132026 | 6.029677848 | 3.353362208 |
| ELMOD3 | ENSG00000115459.17 | 3.358935388 | 3.995467484 | 3.931771665 |
| UBXN2B | ENSG00000215114.8 | 4.90261396 | 4.500135559 | 4.961694843 |
| ZNF92 | ENSG00000146757.13 | 4.524350555 | 4.041828332 | 3.235625243 |
| TMEM206 | ENSG00000065600.12 | 4.34826178 | 3.396505206 | 4.029869558 |
| INPP1 | ENSG00000151689.12 | 3.7978145 | 3.834437387 | 5.03605909 |
| OR7E38P | ENSG00000183444.10 | 4.701333645 | 4.52881799 | 3.389751527 |
| AC012313.1 | ENSG00000232098.3 | 4.937731446 | 3.831653081 | 3.709809462 |
| E2F3 | ENSG00000112242.14 | 4.297297361 | 3.861868348 | 3.511453094 |
| NFIL3 | ENSG00000165030.3 | 3.583496083 | 5.585167237 | 4.336096245 |
| UQCC3 | ENSG00000204922.4 | 3.547317444 | 3.179093226 | 3.623366348 |
| TMEM38B | ENSG00000095209.11 | 4.101570927 | 5.222373967 | 3.700437618 |
| SH3TC2 | ENSG00000169247.11 | 4.669303764 | 3.642510941 | 3.927351559 |
| FGD1 | ENSG00000102302.7 | 3.231959279 | 5.045247247 | 4.941675157 |
| S100A6 | ENSG00000197956.9 | 11.195387 | 8.922809298 | 6.918212683 |
| SOCS6 | ENSG00000170677.5 | 4.321681532 | 4.669819739 | 4.337950287 |
| TCHP | ENSG00000139437.17 | 4.640023793 | 4.188006232 | 3.265836395 |
| LINC01089 | ENSG00000212694.8 | 4.737276631 | 3.590944066 | 4.057251163 |
| LPCAT1 | ENSG00000153395.9 | 5.956914533 | 5.347249664 | 3.371302037 |
| FEM1A | ENSG00000141965.4 | 4.876783658 | 3.964478319 | 3.671153334 |
| RNASEH1-AS1 | ENSG00000234171.2 | 5.146791261 | 3.260540374 | 3.988243917 |
| RANBP6 | ENSG00000137040.9 | 5.547580576 | 3.881077187 | 3.336236734 |
| HAUS3 | ENSG00000214367.7 | 3.414968395 | 3.214448409 | 4.956581837 |
| MIER1 | ENSG00000198160.14 | 4.876223705 | 4.166610459 | 3.849645496 |
| KCTD13 | ENSG00000174943.9 | 4.341620422 | 4.046720583 | 4.161603805 |
| CLSPN | ENSG00000092853.13 | 5.8572453 | 4.417680431 | 3.306477516 |
| ZNF367 | ENSG00000165244.6 | 4.735402964 | 4.23177913 | 3.389524119 |
| CENPA | ENSG00000115163.14 | 4.981549005 | 4.255151264 | 3.215929696 |
| FAM13A | ENSG00000138640.14 | 3.655357151 | 3.67577356 | 4.835545662 |
| CAP2 | ENSG00000112186.11 | 3.2838463 | 4.7954611 | 4.163125968 |
| ARID4A | ENSG00000032219.18 | 3.314490831 | 3.337559214 | 4.018037756 |
| CROCC | ENSG00000058453.16 | 3.25265735 | 3.890910293 | 4.120851267 |
| NIPA1 | ENSG00000170113.15 | 3.943181647 | 4.874472133 | 4.819719476 |
| TRIQK | ENSG00000205133.11 | 3.516176455 | 4.79970824 | 5.345310948 |
| OAS3 | ENSG00000111331.12 | 5.238573832 | 4.171685074 | 3.191623405 |

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| ACVR1B | ENSG00000135503.12 | 4.297547028 | 3.951144853 | 4.196912851 |
| ANKRD44 | ENSG00000065413.18 | 3.189041334 | 4.91393454 | 5.641300973 |
| FBXW7 | ENSG00000109670.13 | 3.492397594 | 3.276259898 | 4.073839753 |
| SIGIRR | ENSG00000185187.12 | 4.158707435 | 4.200944052 | 4.062367623 |
| USP46 | ENSG00000109189.12 | 3.457269134 | 3.833355088 | 5.004570859 |
| RRP15 | ENSG00000067533.5 | 4.609055743 | 3.17114275 | 4.046092873 |
| PSMB9 | ENSG00000240065.7 | 5.082556654 | 5.300839695 | 3.176402443 |
| RABGAP1L | ENSG00000152061.23 | 3.802195351 | 3.799314383 | 4.338935203 |
| NUFIP1 | ENSG00000083635.7 | 4.375368789 | 3.185946277 | 3.500879224 |
| CEP78 | ENSG00000148019.12 | 4.741851989 | 4.487795333 | 3.165848228 |
| YOD1 | ENSG00000180667.10 | 3.796792309 | 3.627668586 | 3.200864335 |
| RND3 | ENSG00000115963.13 | 6.40200627 | 5.907097864 | 3.179964883 |
| GK5 | ENSG00000175066.15 | 3.495977039 | 4.19035042 | 3.376665028 |
| WDR59 | ENSG00000103091.14 | 4.201756556 | 4.714453788 | 4.232623706 |
| LRBA | ENSG00000198589.10 | 3.146778318 | 4.565081214 | 5.071525135 |
| APBA2 | ENSG00000034053.14 | 4.989192637 | 5.126563751 | 5.27896295 |
| LARP1B | ENSG00000138709.17 | 4.376325544 | 3.379017189 | 4.188315173 |
| ZNF579 | ENSG00000218891.4 | 4.066636498 | 3.60262219 | 4.338288579 |
| AC068768.1 | ENSG00000235423.8 | 5.448047239 | 5.50101807 | 3.207793107 |
| HIST3H2A | ENSG00000181218.5 | 4.322126925 | 3.350094661 | 3.291977481 |
| MFSD3 | ENSG00000167700.8 | 4.394039903 | 4.219851118 | 3.290621293 |
| C1orf131 | ENSG00000143633.12 | 5.612838166 | 3.24928358 | 3.522792244 |
| MARCH9 | ENSG00000139266.5 | 4.828264569 | 4.801955172 | 7.344482082 |
| CCNE1 | ENSG00000105173.13 | 4.728705671 | 5.386097735 | 3.418208722 |
| SERINC5 | ENSG00000164300.16 | 3.135688731 | 6.527302459 | 6.418855052 |
| DIP2C | ENSG00000151240.16 | 3.20923192 | 4.53757902 | 5.137918507 |
| PDLIM2 | ENSG00000120913.23 | 4.315659081 | 4.084025521 | 3.832150451 |
| GSTA4 | ENSG00000170899.10 | 3.97138238 | 3.513627085 | 4.083838874 |
| R3HDM2 | ENSG00000179912.20 | 5.478395983 | 4.794581015 | 4.644046872 |
| SVIP | ENSG00000198168.8 | 3.976391494 | 4.462824464 | 5.279657097 |
| RNF103 | ENSG00000239305.6 | 4.034500118 | 4.126199589 | 4.338351852 |
| PRKCE | ENSG00000171132.13 | 3.126551368 | 4.635037464 | 4.500157621 |
| TICAM1 | ENSG00000127666.9 | 4.339677684 | 4.952737644 | 4.581456569 |
| TADA1 | ENSG00000152382.5 | 4.839454808 | 3.652172044 | 3.298183141 |
| PEX6 | ENSG00000124587.13 | 4.603994168 | 3.921222237 | 3.891166927 |
| CMTR2 | ENSG00000180917.17 | 4.357788833 | 4.234239001 | 4.280632247 |
| KLC4 | ENSG00000137171.14 | 3.715103415 | 3.946978078 | 4.581441338 |
| NIPSNAP1 | ENSG00000184117.11 | 4.41139494 | 5.651223618 | 3.753988472 |
| TATDN2 | ENSG00000157014.10 | 4.709899257 | 4.628406236 | 4.245818403 |
| GPSM2 | ENSG00000121957.12 | 4.9697849 | 4.490619784 | 3.376697013 |
| LINS1 | ENSG00000140471.16 | 3.410557941 | 4.434544558 | 3.808938931 |
| IFIT3 | ENSG00000119917.13 | 4.577552219 | 3.111558076 | 3.99138122 |
| CEP295 | ENSG00000166004.14 | 3.865851997 | 3.187875401 | 3.249524583 |
| SLC17A5 | ENSG00000119899.12 | 3.17714808 | 6.18288431 | 4.187419041 |
| DCP1B | ENSG00000151065.13 | 3.666370764 | 3.781221885 | 4.999561323 |
| ERCC4 | ENSG00000175595.14 | 4.095334185 | 3.753454654 | 3.377883089 |

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| CAAP1 | ENSG00000120159.11 | 5.58423698 | 3.894625198 | 4.158278204 |
| C7orf43 | ENSG00000146826.16 | 4.501306335 | 4.707402692 | 3.506378044 |
| KRBA1 | ENSG00000133619.17 | 3.686228869 | 3.938875968 | 4.301977897 |
| FIG4 | ENSG00000112367.10 | 3.207684206 | 4.287564108 | 4.708660654 |
| EIF4ENIF1 | ENSG00000184708.17 | 3.860843615 | 4.249443986 | 4.264619623 |
| DNAJC25 | ENSG00000059769.19 | 3.658002913 | 4.919666954 | 3.444972073 |
| RNF146 | ENSG00000118518.15 | 3.755974022 | 3.787078862 | 3.930992814 |
| ABCA5 | ENSG00000154265.15 | 3.250369413 | 3.608569876 | 5.028934896 |
| CBWD1 | ENSG00000172785.18 | 5.288959841 | 3.172670319 | 4.025868403 |
| TMEM50B | ENSG00000142188.16 | 3.867939347 | 3.539895415 | 3.830801688 |
| FRS2 | ENSG00000166225.8 | 4.239244292 | 4.027655419 | 4.546337541 |
| WDR27 | ENSG00000184465.15 | 5.027946876 | 4.867269368 | 3.265751903 |
| TDG | ENSG00000139372.14 | 5.23419022 | 4.049709366 | 3.383215373 |
| CEP97 | ENSG00000182504.10 | 3.763571296 | 3.518344034 | 3.150691095 |
| FBXO3 | ENSG00000110429.13 | 4.643537695 | 4.816286743 | 4.902111524 |
| CXXC5 | ENSG00000171604.11 | 4.58525681 | 3.581501092 | 3.493197161 |
| PRKD1 | ENSG00000184304.14 | 4.272369382 | 3.54126996 | 4.194933524 |
| ATP1B1 | ENSG00000143153.12 | 6.513391551 | 3.530587606 | 7.223400207 |
| ARHGAP11B | ENSG00000187951.10 | 4.067276572 | 3.741499538 | 3.171392166 |
| PGPEP1 | ENSG00000130517.13 | 4.572089147 | 5.218756183 | 5.293088907 |
| INIP | ENSG00000148153.13 | 4.605246726 | 4.574279454 | 3.229000702 |
| TRAPPC2 | ENSG00000196459.13 | 3.793944076 | 3.567689968 | 3.529402178 |
| NAA25 | ENSG00000111300.9 | 5.099038952 | 4.692349498 | 3.175326229 |
| FAM92A | ENSG00000188343.12 | 5.249803921 | 5.262238552 | 4.232772713 |
| AL049840.4 | ENSG00000269958.1 | 4.00982074 | 4.23985212 | 3.15669051 |
| PIGP | ENSG00000185808.13 | 4.012437262 | 4.190433795 | 3.986450904 |
| CPSF2 | ENSG00000165934.12 | 4.666639195 | 4.733345696 | 3.203146351 |
| TAF3 | ENSG00000165632.7 | 3.625727849 | 3.446617272 | 3.427392223 |
| PACS2 | ENSG00000179364.13 | 3.732297283 | 4.528914507 | 3.567972707 |
| PLK3 | ENSG00000173846.12 | 3.493044963 | 5.363424611 | 5.065591156 |
| ALDH16A1 | ENSG00000161618.9 | 5.778727011 | 4.630721014 | 3.300684229 |
| NECAP1 | ENSG00000089818.17 | 3.607967081 | 3.954982468 | 4.359198853 |
| ATG14 | ENSG00000126775.8 | 3.143788159 | 3.551007139 | 4.051253403 |
| CCDC66 | ENSG00000180376.16 | 4.128331785 | 3.847314889 | 3.18664678 |
| CFLAR | ENSG00000003402.19 | 3.500787248 | 4.661472401 | 4.55492519 |
| VCPIP1 | ENSG00000175073.7 | 3.95409263 | 3.648482605 | 3.483530944 |
| ZFP41 | ENSG00000181638.17 | 3.280391959 | 3.801026512 | 3.534144847 |
| DDA1 | ENSG00000130311.10 | 5.941689901 | 4.904531772 | 4.417136076 |
| ERMP1 | ENSG00000099219.13 | 4.002921986 | 5.422780982 | 4.86512908 |
| LZTFL1 | ENSG00000163818.16 | 4.240206536 | 4.31145554 | 3.952101261 |
| EXOSC3 | ENSG00000107371.12 | 6.176715173 | 4.956264512 | 3.369599516 |
| MT-TP | ENSG00000210196.2 | 4.744937766 | 6.196394559 | 3.63706223 |
| RASSF1 | ENSG00000068028.17 | 4.099095563 | 3.899434952 | 3.498086847 |
| TTC32 | ENSG00000183891.5 | 4.421608009 | 3.520680721 | 3.4324521 |
| KIAA1522 | ENSG00000162522.10 | 3.191501428 | 4.603746439 | 4.904253539 |
| ZNF480 | ENSG00000198464.13 | 3.663752888 | 3.484606101 | 3.540295379 |

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| C4orf46 | ENSG00000205208.4 | 3.897443433 | 3.643481296 | 3.133714404 |
| ZNF780A | ENSG00000197782.14 | 3.753278828 | 4.108623004 | 3.474761944 |
| PISD | ENSG00000241878.11 | 4.506622958 | 5.753912798 | 4.847098928 |
| AFF1 | ENSG00000172493.20 | 3.445690411 | 4.965399298 | 4.636476584 |
| C11orf54 | ENSG00000182919.14 | 3.939739077 | 3.447434186 | 4.610784254 |
| NR1D1 | ENSG00000126368.5 | 4.84378139 | 4.392736446 | 6.040397899 |
| FAM174A | ENSG00000174132.8 | 4.347206684 | 4.069146842 | 4.709068782 |
| ZFP36 | ENSG00000128016.5 | 4.84793562 | 4.767401947 | 3.329453195 |
| ENDOG | ENSG00000167136.6 | 5.004595779 | 4.196699511 | 3.290852326 |
| ZNF687 | ENSG00000143373.17 | 4.592296044 | 4.635783875 | 4.044354543 |
| GTF2IRD2B | ENSG00000174428.16 | 3.640443139 | 3.599866624 | 3.166780481 |
| RAD51D | ENSG00000185379.20 | 3.432922434 | 3.529599004 | 3.871294851 |
| PTPRM | ENSG00000173482.16 | 3.203122887 | 6.864296792 | 5.301864929 |
| CHFR | ENSG00000072609.17 | 4.514321934 | 4.343794029 | 3.112741712 |
| TXNL4B | ENSG00000140830.8 | 5.125097642 | 3.718611294 | 4.051434879 |
| CAPRIN2 | ENSG00000110888.17 | 4.098950371 | 4.184065325 | 3.258988138 |
| SAPCD2 | ENSG00000186193.8 | 4.846851622 | 3.106901487 | 3.611813072 |
| LYPLAL1 | ENSG00000143353.11 | 4.373982369 | 3.851115891 | 4.638622509 |
| ANKS6 | ENSG00000165138.17 | 4.479716047 | 4.690839962 | 3.314048311 |
| PORCN | ENSG00000102312.21 | 4.54896739 | 3.928272813 | 3.678405325 |
| HIST1H2BK | ENSG00000197903.7 | 4.418818235 | 7.255443183 | 3.175334031 |
| ARSK | ENSG00000164291.16 | 3.85323311 | 3.115923703 | 3.298486399 |
| SNAPC4 | ENSG00000165684.4 | 4.622597538 | 4.641475139 | 4.294701162 |
| SPICE1 | ENSG00000163611.11 | 4.242106806 | 3.660620628 | 3.705869418 |
| KIAA0586 | ENSG00000100578.14 | 5.040466941 | 3.418360749 | 4.43452323 |
| GIN53 | ENSG00000181938.13 | 5.146134549 | 3.262447786 | 3.104969043 |
| SH3BP5L | ENSG00000175137.10 | 4.907645909 | 3.751794908 | 3.723253269 |
| STX1A | ENSG00000106089.11 | 5.803793075 | 4.067311812 | 3.217164597 |
| CDC25A | ENSG00000164045.11 | 5.678810891 | 4.292903768 | 3.159138775 |
| CLUAP1 | ENSG00000103351.12 | 4.284573326 | 3.643902773 | 4.185743819 |
| VPS13A | ENSG00000197969.11 | 3.753360195 | 5.56954741 | 4.086999679 |
| BCL2A1 | ENSG00000140379.7 | 3.583636816 | 7.123265953 | 8.474811582 |
| CDKAL1 | ENSG00000145996.11 | 3.785357826 | 3.592925785 | 9.106810743 |
| ANKRD12 | ENSG00000101745.16 | 3.150642837 | 4.333612274 | 4.01611315 |
| AC026366.1 | ENSG00000240342.3 | 4.927503786 | 3.796524534 | 3.282171504 |
| BMPR2 | ENSG00000204217.13 | 3.715947306 | 6.233563973 | 7.989007066 |
| C12orf43 | ENSG00000157895.11 | 4.318291424 | 3.839185832 | 4.318955241 |
| SLC35B3 | ENSG00000124786.9 | 3.1723227 | 4.871472899 | 4.686523437 |
| DCAF17 | ENSG00000115827.13 | 3.095126802 | 3.988609981 | 4.158590454 |
| SNORA4 | ENSG00000263776.1 | 4.254420187 | 4.376637343 | 3.383954161 |
| ZNF714 | ENSG00000160352.15 | 4.016797721 | 3.253437948 | 3.540515253 |
| MAPK7 | ENSG00000166484.19 | 3.633404149 | 3.766368631 | 3.247774203 |
| FCHO2 | ENSG00000157107.13 | 3.72458758 | 3.142071924 | 3.304300985 |
| TPRN | ENSG00000176058.11 | 4.536577599 | 4.817375387 | 3.455570632 |
| SNIP1 | ENSG00000163877.10 | 4.277649368 | 3.426615451 | 3.137741836 |
| DUS2 | ENSG00000167264.17 | 4.620668341 | 3.118903188 | 3.549170598 |

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| IPP | ENSG00000197429.10 | 3.91394001 | 4.014636573 | 3.794831929 |
| CCDC117 | ENSG00000159873.9 | 4.58022824 | 4.150704966 | 4.098547629 |
| ANKRA2 | ENSG00000164331.9 | 3.881736938 | 3.354076319 | 4.482257019 |
| RFT1 | ENSG00000163933.9 | 4.621742425 | 4.534009993 | 3.161694773 |
| BRWD3 | ENSG00000165288.10 | 4.154129975 | 4.163285838 | 3.370554863 |
| WAC-AS1 | ENSG00000254635.5 | 4.625694772 | 4.115489619 | 4.542763673 |
| RREB1 | ENSG00000124782.19 | 3.715354164 | 4.418167641 | 4.294926773 |
| FUT8 | ENSG00000033170.16 | 5.54738477 | 3.365832141 | 4.700450381 |
| ZFYVE26 | ENSG00000072121.15 | 3.121455746 | 4.314355117 | 4.539364903 |
| FRMD5 | ENSG00000171877.20 | 4.051099849 | 4.314206994 | 4.961038632 |
| SLC27A1 | ENSG00000130304.16 | 4.178506416 | 5.705959044 | 5.582134284 |
| HIVP2 | ENSG00000010818.9 | 3.456035082 | 3.781005035 | 3.387108557 |
| AIG1 | ENSG00000146416.17 | 3.967788366 | 3.446472957 | 3.66805354 |
| METTL21A | ENSG00000144401.14 | 3.560920022 | 4.595698601 | 3.268945018 |
| PIK3CD | ENSG00000171608.15 | 3.977516357 | 6.163718143 | 5.64621321 |
| STIM1 | ENSG00000167323.11 | 3.160916116 | 4.849227895 | 5.413824715 |
| TMEM263 | ENSG00000151135.9 | 4.05683165 | 4.732700329 | 4.956068232 |
| MED22 | ENSG00000148297.15 | 5.024640401 | 5.216358492 | 3.825383683 |
| AC018638.4 | ENSG00000243302.3 | 3.233349242 | 4.719833564 | 4.399392999 |
| ZNF587B | ENSG00000269343.6 | 5.127254795 | 3.438820125 | 3.791859163 |
| PIMREG | ENSG00000129195.15 | 4.361746124 | 3.808491311 | 3.421118013 |
| CDKN2C | ENSG00000123080.10 | 6.398651657 | 3.095924419 | 4.439606644 |
| SIVA1 | ENSG00000184990.12 | 5.884326182 | 5.784280245 | 3.195901618 |
| INF2 | ENSG00000203485.12 | 5.469186104 | 4.990684936 | 3.173720088 |
| KLHL15 | ENSG00000174010.9 | 3.759220925 | 3.180650779 | 3.373912888 |
| BCKDHB | ENSG00000083123.14 | 3.47783682 | 3.895019194 | 3.963653746 |
| TTC21B | ENSG00000123607.14 | 3.13880389 | 4.542381214 | 4.431045565 |
| LYSMD2 | ENSG00000140280.13 | 3.791944338 | 3.959393012 | 3.719419338 |
| CHRNA5 | ENSG00000169684.13 | 3.245067131 | 3.795073445 | 4.053270658 |
| ARL13B | ENSG00000169379.15 | 4.282519753 | 4.093412635 | 3.236528955 |
| RIDA | ENSG00000132541.10 | 4.816819147 | 4.58485513 | 3.236761438 |
| ZNF717 | ENSG00000227124.8 | 4.41216848 | 4.200475807 | 3.781152361 |
| PMS2P1 | ENSG00000078319.9 | 4.057210384 | 4.380618728 | 3.83698296 |
| ELF2 | ENSG00000109381.19 | 5.00830721 | 3.638710733 | 4.247883269 |
| TUBGCP6 | ENSG00000128159.11 | 3.953688212 | 4.881638923 | 4.96004492 |
| BLM | ENSG00000197299.10 | 4.456524518 | 4.214687382 | 3.181371329 |
| PLEKHA1 | ENSG00000107679.14 | 4.488794663 | 3.989105914 | 3.452233756 |
| LATS1 | ENSG00000131023.12 | 4.486382339 | 3.534895881 | 3.695316384 |
| PPCDC | ENSG00000138621.11 | 3.162305082 | 3.696175269 | 3.374951736 |
| CASK | ENSG00000147044.20 | 4.050138003 | 3.341602073 | 4.751824677 |
| USP37 | ENSG00000135913.10 | 3.476076756 | 3.153268281 | 3.140516285 |
| ZNF761 | ENSG00000160336.14 | 3.414813556 | 3.531651992 | 3.142428918 |
| EEF2KMT | ENSG00000118894.14 | 4.370381512 | 4.064917177 | 3.173837111 |
| FDXR | ENSG00000161513.11 | 4.37055147 | 5.347870097 | 5.472756468 |
| ANKRD10-IT1 | ENSG00000229152.2 | 4.390958751 | 3.068698812 | 3.551215113 |
| C22orf39 | ENSG00000242259.8 | 3.319269563 | 3.535281294 | 4.295067315 |

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| LSM6 | ENSG00000164167.10 | 5.05651342 | 3.55717492 | 3.62347625 |
| SNN | ENSG00000184602.5 | 3.11557053 | 4.260631362 | 3.911949348 |
| ZNF174 | ENSG00000103343.12 | 3.979626148 | 3.700324517 | 3.551816674 |
| WDR19 | ENSG00000157796.17 | 4.519126653 | 3.814430954 | 6.133892525 |
| DUSP1 | ENSG00000120129.5 | 3.83724852 | 3.341320856 | 3.196969959 |
| CCSAP | ENSG00000154429.10 | 4.588235081 | 3.166917203 | 3.618359214 |
| AC087481.3 | ENSG00000270015.1 | 3.311686442 | 3.617783687 | 3.650438942 |
| GOLGA2P10 | ENSG00000255769.7 | 4.162796784 | 3.184532112 | 5.4544114 |
| TMEM161B-A | ENSG00000247828.7 | 4.399527433 | 4.258258002 | 5.004290604 |
| CCDC174 | ENSG00000154781.15 | 4.232477828 | 4.116898309 | 3.74828315 |
| AC125257.1 | ENSG00000259623.1 | 4.014490844 | 3.760280374 | 4.250899607 |
| LMBR1L | ENSG00000139636.15 | 3.965209579 | 4.732823961 | 4.880406643 |
| RUFY3 | ENSG00000018189.12 | 3.202627388 | 5.30247836 | 6.278635651 |
| UTRN | ENSG00000152818.18 | 5.075453835 | 4.70186963 | 3.780943641 |
| SMPDL3A | ENSG00000172594.12 | 3.132434278 | 4.832575647 | 4.228028399 |
| HIPK1 | ENSG00000163349.21 | 3.850413126 | 4.163602124 | 4.26829132 |
| MAP3K1 | ENSG00000095015.5 | 3.938867987 | 4.266816952 | 5.199084241 |
| KDELC1 | ENSG00000134901.12 | 5.441165766 | 3.321962056 | 3.117429212 |
| FBXO31 | ENSG00000103264.17 | 4.185915553 | 4.357132733 | 4.76694317 |
| CD83 | ENSG00000112149.9 | 3.185483919 | 5.796564685 | 4.142897774 |
| CEP76 | ENSG00000101624.10 | 3.740177539 | 3.933655296 | 3.05558274 |
| PAPD7 | ENSG00000112941.13 | 4.898304899 | 4.221428562 | 3.295950968 |
| CENPW | ENSG00000203760.8 | 5.50799683 | 4.53653171 | 3.534070991 |
| ATG4A | ENSG00000101844.17 | 3.672753682 | 4.265035951 | 4.047517384 |
| CDK19 | ENSG00000155111.14 | 3.857617261 | 3.86208909 | 3.942981303 |
| CERCAM | ENSG00000167123.18 | 5.855800124 | 7.12035025 | 3.091083545 |
| MRM1 | ENSG00000278619.4 | 4.614697686 | 4.353325143 | 4.250071493 |
| ZC2HC1A | ENSG00000104427.11 | 3.544146135 | 3.605219289 | 4.736060608 |
| PHKA2 | ENSG00000044446.11 | 3.447960302 | 3.429783584 | 4.553791432 |
| SLC12A7 | ENSG00000113504.20 | 4.58240327 | 6.042303264 | 8.233806409 |
| AC015922.4 | ENSG00000276855.1 | 3.812535109 | 3.779939544 | 3.756477471 |
| HIST1H1C | ENSG00000187837.3 | 4.368892574 | 6.187075466 | 3.601441348 |
| ETNK2 | ENSG00000143845.14 | 4.084677754 | 3.376562532 | 4.70459691 |
| AC009948.1 | ENSG00000223960.6 | 3.693879887 | 4.217023333 | 5.0665842 |
| SNX21 | ENSG00000124104.18 | 5.110501074 | 3.823593826 | 4.703452342 |
| GOLGA8B | ENSG00000215252.11 | 3.555146118 | 5.022096545 | 4.802181503 |
| WDR92 | ENSG00000243667.6 | 3.8680004 | 4.686584294 | 3.116394169 |
| TRIM38 | ENSG00000112343.10 | 3.075309885 | 3.847119966 | 4.156091904 |
| MDM1 | ENSG00000111554.14 | 3.605375068 | 3.479897081 | 3.430565991 |
| MINDY1 | ENSG00000143409.15 | 4.320405964 | 3.5653292 | 3.865553908 |
| HSPB8 | ENSG00000152137.6 | 3.383816407 | 6.18863199 | 6.706813413 |
| MTMR10 | ENSG00000166912.16 | 3.573210769 | 3.91037108 | 3.279148758 |
| FAM120B | ENSG00000112584.13 | 4.377858948 | 4.181556512 | 3.274875958 |
| TRMT5 | ENSG00000126814.6 | 3.625194804 | 3.126772226 | 3.35233923 |
| DUXAP8 | ENSG00000206195.10 | 3.933138746 | 3.822738577 | 3.525051885 |
| EYA3 | ENSG00000158161.15 | 5.104619258 | 5.05300963 | 4.186195573 |

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| CRY1 | ENSG00000008405.11 | 4.148396947 | 4.416357178 | 3.1003893 |
| GPATCH2L | ENSG000000089916.17 | 3.552638354 | 3.662031016 | 4.199567355 |
| CROT | ENSG000000005469.11 | 3.28709786 | 5.004579397 | 3.870613604 |
| GPATCH1 | ENSG000000076650.6 | 3.85760264 | 3.337956617 | 3.106515625 |
| CBL | ENSG000000110395.6 | 4.571661042 | 4.451887063 | 5.074747794 |
| PIK3R3 | ENSG000000117461.14 | 4.158500287 | 3.578226171 | 3.135788157 |
| TMEM241 | ENSG000000134490.13 | 3.540025482 | 4.581816304 | 3.543560532 |
| OAF | ENSG000000184232.8 | 8.064314373 | 5.957326201 | 3.089553403 |
| MIS12 | ENSG000000167842.15 | 5.556363557 | 3.816889847 | 3.674404956 |
| LAMA5 | ENSG000000130702.15 | 4.205243793 | 3.08098973 | 4.083174338 |
| SEC22A | ENSG000000121542.11 | 3.624482709 | 3.950493102 | 3.584897539 |
| C8orf58 | ENSG000000241852.9 | 4.379131809 | 3.472365653 | 3.13830131 |
| USP38 | ENSG000000170185.9 | 3.944842244 | 3.234795129 | 3.63330947 |
| RABEP2 | ENSG000000177548.12 | 4.359326126 | 3.264129547 | 4.294926784 |
| CYB561 | ENSG000000008283.15 | 5.380746555 | 3.160560525 | 3.820499119 |
| SLC33A1 | ENSG000000169359.13 | 3.870250604 | 4.361276973 | 4.016001933 |
| WDR62 | ENSG000000075702.16 | 4.674468144 | 3.812914355 | 3.089289253 |
| EPC1 | ENSG000000120616.15 | 3.958528871 | 3.285490855 | 3.905669411 |
| TRIM23 | ENSG000000113595.14 | 4.174135799 | 3.160751463 | 4.062889217 |
| MCF2L | ENSG000000126217.20 | 5.229841587 | 6.97030021 | 4.960940197 |
| TRIM21 | ENSG000000132109.9 | 3.110609633 | 4.85226772 | 3.717047094 |
| SLC19A2 | ENSG000000117479.12 | 4.513811995 | 6.433885992 | 3.84912681 |
| AKAP13 | ENSG000000170776.21 | 4.473953667 | 4.926027381 | 4.875353184 |
| PLEKHH3 | ENSG000000068137.14 | 3.912486303 | 3.743310416 | 3.485927297 |
| CENPBD1 | ENSG000000177946.5 | 4.267627755 | 3.729755756 | 3.142806206 |
| KIAA0232 | ENSG000000170871.11 | 4.121041875 | 3.244681284 | 5.647762023 |
| TNC | ENSG000000041982.15 | 8.922120483 | 6.423400438 | 5.73833403 |
| BMP2K | ENSG000000138756.17 | 3.054000893 | 4.216753151 | 3.723821102 |
| FYCO1 | ENSG000000163820.14 | 3.102387188 | 5.247775711 | 4.472348304 |
| RNF185 | ENSG000000138942.15 | 3.082841311 | 4.085007431 | 4.047022021 |
| OXNAD1 | ENSG000000154814.13 | 4.135291672 | 4.771531871 | 3.394804445 |
| SH3PXD2A | ENSG000000107957.16 | 6.183806002 | 4.131864187 | 3.581541619 |
| STN1 | ENSG000000107960.10 | 5.375698538 | 3.410235151 | 4.049276167 |
| CEP72 | ENSG000000112877.7 | 3.462120014 | 4.169809179 | 3.641782053 |
| GTF3C4 | ENSG000000125484.11 | 5.339202101 | 4.922677788 | 3.088785699 |
| LINC01116 | ENSG000000163364.9 | 3.427916981 | 4.855382869 | 4.985431015 |
| HIRIP3 | ENSG000000149929.15 | 5.191662145 | 3.220846383 | 4.014497077 |
| C20orf96 | ENSG000000196476.11 | 3.136239825 | 4.148675409 | 3.442303545 |
| EHD1 | ENSG000000110047.17 | 4.390555095 | 4.847454281 | 4.36455163 |
| XRRRA1 | ENSG000000166435.15 | 3.333228966 | 3.919134848 | 3.678131066 |
| HYPK | ENSG000000242028.6 | 6.749891976 | 4.750681992 | 3.877043559 |
| LPP | ENSG000000145012.13 | 3.41277118 | 4.019959561 | 4.327984931 |
| ERI1 | ENSG000000104626.14 | 4.050755589 | 3.058110109 | 3.844082942 |
| DOLPP1 | ENSG000000167130.17 | 5.144802314 | 4.740180549 | 3.170987388 |
| CEP83 | ENSG000000173588.14 | 4.044232781 | 4.062854018 | 3.097181732 |
| NXT2 | ENSG000000101888.11 | 3.429916366 | 6.960491315 | 3.68102244 |

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| PPP1R21 | ENSG00000162869.15 | 3.482861646 | 4.333092652 | 3.818644881 |
| ZBTB10 | ENSG00000205189.11 | 3.865633683 | 3.852917053 | 4.312916774 |
| ATE1 | ENSG00000107669.17 | 5.018257186 | 4.005445191 | 4.153142352 |
| INAFM2 | ENSG00000259330.2 | 4.606354115 | 4.823920008 | 3.119893084 |
| MED30 | ENSG00000164758.7 | 4.878877473 | 3.890703849 | 3.136713657 |
| AGO4 | ENSG00000134698.10 | 3.178182296 | 3.593781425 | 3.481245964 |
| ZNF200 | ENSG00000010539.11 | 4.642515925 | 4.016388123 | 3.067851643 |
| MAFF | ENSG00000185022.11 | 3.978644079 | 5.547446394 | 5.989129573 |
| SPRTN | ENSG00000010072.15 | 4.367633965 | 3.245766437 | 3.353871373 |
| MED20 | ENSG00000124641.15 | 4.060403306 | 3.369909883 | 3.907210722 |
| APBB3 | ENSG00000113108.19 | 4.174752051 | 3.062604368 | 3.934769034 |
| AP4E1 | ENSG00000081014.10 | 3.919027756 | 4.004787814 | 3.670678511 |
| RRNAD1 | ENSG00000143303.11 | 4.838936075 | 4.295143711 | 3.107675603 |
| WASH2P | ENSG00000146556.14 | 3.73289405 | 3.265347243 | 4.01273527 |
| PLA2G6 | ENSG00000184381.18 | 4.090980828 | 5.393921055 | 7.520382304 |
| NKIRAS1 | ENSG00000197885.10 | 4.303154196 | 4.137785015 | 3.616654817 |
| ERC1 | ENSG00000082805.19 | 4.312261066 | 4.515550497 | 6.284895755 |
| TSNARE1 | ENSG00000171045.14 | 3.644541724 | 3.802715292 | 3.555412417 |
| DOLK | ENSG00000175283.7 | 4.981300306 | 5.460803307 | 3.15994303 |
| XRCC4 | ENSG00000152422.15 | 4.232817468 | 3.909549122 | 4.614053499 |
| TTC5 | ENSG00000136319.11 | 3.407613523 | 3.394270945 | 3.302604313 |
| WARS2 | ENSG00000116874.11 | 4.27468075 | 3.054387094 | 3.767428348 |
| KDM6A | ENSG00000147050.14 | 4.267583231 | 3.651638483 | 3.77087027 |
| FRA10AC1 | ENSG00000148690.11 | 4.405957358 | 3.674628671 | 3.225777572 |
| RELT | ENSG00000054967.12 | 4.02831011 | 3.58864138 | 3.598887703 |
| MTX1 | ENSG00000173171.14 | 4.622769868 | 4.323893612 | 3.119255708 |
| BBIP1 | ENSG00000214413.7 | 4.548166668 | 3.180247288 | 4.526923397 |
| EBAG9 | ENSG00000147654.14 | 3.330478878 | 3.507494066 | 3.73031899 |
| FAM149B1 | ENSG00000138286.14 | 3.177285533 | 3.27990365 | 3.065475142 |
| UBE2D4 | ENSG00000078967.12 | 3.726179405 | 4.022636209 | 3.821300854 |
| TSPAN13 | ENSG00000106537.7 | 8.04895056 | 5.43575941 | 3.079157914 |
| URM1 | ENSG00000167118.10 | 5.847860642 | 5.389454076 | 3.097190845 |
| ALKBH8 | ENSG00000137760.14 | 5.44900817 | 3.130500003 | 4.391853569 |
| CCDC28A | ENSG00000024862.17 | 4.797727052 | 3.876622032 | 3.237321759 |
| TFAP4 | ENSG00000090447.11 | 4.805869601 | 4.412345083 | 3.522440975 |
| AC006064.4 | ENSG00000269968.1 | 4.920396373 | 4.065662887 | 4.284190808 |
| BRIP1 | ENSG00000136492.8 | 3.987100405 | 3.176152014 | 3.936433847 |
| DUSP16 | ENSG00000111266.8 | 3.129619098 | 4.071335501 | 6.361846353 |
| INPP5E | ENSG00000148384.12 | 3.896224481 | 4.729612917 | 4.977805753 |
| ZNF789 | ENSG00000198556.13 | 3.475133082 | 3.628369507 | 3.169436267 |
| DUSP7 | ENSG00000164086.9 | 5.137693013 | 4.350341926 | 3.088993 |
| GFOD2 | ENSG00000141098.12 | 4.498250696 | 3.042277679 | 4.386905707 |
| BORCS7 | ENSG00000166275.15 | 4.371582471 | 3.786497012 | 3.658468913 |
| AGAP1 | ENSG00000157985.18 | 4.254433092 | 3.99025715 | 4.977831107 |
| H6PD | ENSG00000049239.12 | 4.384707469 | 4.024124213 | 3.601619736 |
| WDR44 | ENSG00000131725.13 | 3.848474352 | 3.689039116 | 3.348454627 |

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| MED23 | ENSG00000112282.17 | 3.902622619 | 3.990804197 | 3.746135419 |
| RBAK | ENSG00000146587.17 | 3.204972507 | 4.466526309 | 4.012376656 |
| RWDD2B | ENSG00000156253.6 | 4.273379134 | 4.322082994 | 3.108388695 |
| EME1 | ENSG00000154920.14 | 4.32275376 | 3.593774041 | 3.223924502 |
| REST | ENSG00000084093.16 | 4.840931248 | 3.655942123 | 3.895254989 |
| FBXW8 | ENSG00000174989.12 | 3.71861014 | 4.281398943 | 3.264277445 |
| PURA | ENSG00000185129.5 | 4.350713307 | 3.065724256 | 4.01860965 |
| TADA2B | ENSG00000173011.11 | 3.783034321 | 2.996476306 | 4.780983808 |
| KIAA0753 | ENSG00000198920.9 | 4.304906979 | 3.113860658 | 3.398871642 |
| ACOX3 | ENSG00000087008.15 | 4.04043697 | 3.468710551 | 5.063201323 |
| ZNF462 | ENSG00000148143.12 | 4.419809059 | 5.138491401 | 3.191372235 |
| ELL | ENSG00000105656.12 | 4.270221973 | 3.748374919 | 4.01652691 |
| GIN54 | ENSG00000147536.11 | 3.752925242 | 3.824631678 | 3.30537378 |
| TRIP11 | ENSG00000100815.12 | 3.886861666 | 3.68513795 | 3.003266109 |
| TPGS1 | ENSG00000141933.9 | 4.658776878 | 4.762413869 | 3.320402593 |
| TTC39C | ENSG00000168234.12 | 4.306892126 | 3.96458661 | 4.840896235 |
| DENND4A | ENSG00000174485.15 | 4.29670152 | 3.806015596 | 4.392475345 |
| TFDP2 | ENSG00000114126.17 | 5.230724492 | 5.12710024 | 4.562301309 |
| AKTIP | ENSG00000166971.16 | 4.202367667 | 3.301407759 | 4.842449885 |
| MTUS1 | ENSG00000129422.14 | 4.488607916 | 4.692893821 | 7.125930926 |
| NCBP3 | ENSG00000074356.16 | 4.411468084 | 3.098318986 | 3.752153446 |
| C1orf112 | ENSG00000000460.16 | 5.32097341 | 4.48793463 | 3.10487575 |
| NAA40 | ENSG00000110583.12 | 4.976660006 | 3.613432285 | 4.752443261 |
| MORC4 | ENSG00000133131.14 | 3.060457597 | 3.931060418 | 4.140972659 |
| SNTB1 | ENSG00000172164.13 | 5.984091884 | 3.198375569 | 7.2572985 |
| VAMP4 | ENSG00000117533.14 | 3.441507335 | 3.439554413 | 3.82111078 |
| DNAJC16 | ENSG00000116138.12 | 3.815531165 | 4.567814836 | 3.807405289 |
| KAT14 | ENSG00000149474.13 | 4.241450714 | 4.230040118 | 3.0427054 |
| ESPL1 | ENSG00000135476.11 | 5.518956524 | 3.913455825 | 3.047828785 |
| ZNF408 | ENSG00000175213.2 | 4.249167641 | 4.076919437 | 4.340229869 |
| GDF11 | ENSG00000135414.9 | 5.55688413 | 3.768532308 | 3.059931734 |
| UNC13B | ENSG00000198722.14 | 4.100194291 | 3.945027547 | 3.546983708 |
| ENTPD7 | ENSG00000198018.6 | 4.067167568 | 4.310128252 | 2.983207323 |
| CHD7 | ENSG00000171316.11 | 4.237646386 | 4.539502401 | 4.357748449 |
| ITGB3 | ENSG00000259207.7 | 8.198649844 | 3.842168165 | 8.051532269 |
| DEPDC1 | ENSG00000024526.16 | 5.381082733 | 4.073422949 | 3.453711375 |
| LRP11 | ENSG00000120256.9 | 4.765136528 | 4.143484716 | 3.162984362 |
| PIAS1 | ENSG00000033800.13 | 4.094066611 | 4.199745502 | 4.145655031 |
| ATP23 | ENSG00000166896.7 | 3.460952385 | 3.044553488 | 4.066973719 |
| CAPN5 | ENSG00000149260.15 | 5.910091393 | 3.808066541 | 5.251279681 |
| ARRDC1-AS1 | ENSG00000203993.4 | 4.14575343 | 4.062612681 | 3.463016056 |
| ZBTB14 | ENSG00000198081.10 | 3.395808195 | 3.712467957 | 3.845227899 |
| BLOC1S3 | ENSG00000189114.6 | 3.246279208 | 3.508634952 | 4.445832157 |
| FXN | ENSG00000165060.11 | 4.516241371 | 4.338043839 | 3.066075482 |
| SOWAHC | ENSG00000198142.4 | 3.247026504 | 3.362640312 | 3.984990249 |
| RAD52 | ENSG00000002016.17 | 3.357280821 | 3.566525511 | 4.680977629 |

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| TTC23 | ENSG00000103852.12 | 3.999828756 | 4.011295189 | 3.978581467 |
| SLC48A1 | ENSG00000211584.13 | 5.050656405 | 3.059862048 | 4.694040585 |
| MAGEH1 | ENSG00000187601.4 | 3.0572776 | 5.180522522 | 4.285779399 |
| GADD45B | ENSG00000099860.8 | 3.325900269 | 4.730731007 | 3.747426376 |
| SETDB2 | ENSG00000136169.16 | 3.342682749 | 4.166900064 | 4.772776122 |
| RBM41 | ENSG00000089682.16 | 3.819148756 | 4.116396012 | 3.983036221 |
| CREBRF | ENSG00000164463.12 | 3.375762894 | 3.521815294 | 4.10357592 |
| SCFD2 | ENSG00000184178.15 | 5.114576984 | 4.525315799 | 4.687583861 |
| CDAN1 | ENSG00000140326.12 | 3.650728278 | 3.404728271 | 3.15754833 |
| PAAF1 | ENSG00000175575.12 | 4.023383492 | 3.544951479 | 3.733568118 |
| RMI1 | ENSG00000178966.16 | 4.941194582 | 4.576174974 | 3.199787059 |
| SCLT1 | ENSG00000151466.11 | 3.965642057 | 3.062668288 | 4.045569208 |
| FANCG | ENSG00000221829.9 | 5.40824144 | 3.949259835 | 3.199305236 |
| RIN1 | ENSG00000174791.10 | 4.817486397 | 3.583252456 | 3.77620048 |
| AC008770.1 | ENSG00000219665.8 | 5.044968545 | 3.233793867 | 3.515441674 |
| FBXO25 | ENSG00000147364.16 | 3.489392592 | 4.041795763 | 4.788560401 |
| OGG1 | ENSG00000114026.21 | 4.329028775 | 3.767517425 | 3.551703879 |
| PLXND1 | ENSG00000004399.12 | 4.870013008 | 4.829547996 | 5.484815795 |
| ING1 | ENSG00000153487.12 | 4.86664158 | 3.13740743 | 3.414843991 |
| STAG3L5P-PV | ENSG00000272752.6 | 3.023793513 | 3.829139562 | 3.754330027 |
| KLHL8 | ENSG00000145332.13 | 4.299155863 | 3.175531797 | 3.873269618 |
| INPP5A | ENSG00000068383.18 | 4.348056809 | 3.729956599 | 4.248477008 |
| CASP9 | ENSG00000132906.17 | 4.246278014 | 3.809601662 | 4.26931712 |
| HSDL1 | ENSG00000103160.11 | 4.489383228 | 4.516012789 | 5.98125584 |
| ZNF202 | ENSG00000166261.10 | 4.323958588 | 3.177254474 | 3.938161909 |
| ALG12 | ENSG00000182858.13 | 2.986718131 | 3.847404974 | 3.883330174 |
| LINC00294 | ENSG00000280798.1 | 4.078281061 | 3.250314623 | 4.779398232 |
| ASPM | ENSG00000066279.17 | 6.014077617 | 3.650443569 | 3.03600976 |
| RXRA | ENSG00000186350.9 | 3.816267659 | 4.231786823 | 2.993845516 |
| C11orf57 | ENSG00000150776.17 | 4.396071131 | 3.120018442 | 4.817026386 |
| TMEM164 | ENSG00000157600.11 | 3.829617564 | 4.626417389 | 4.895848399 |
| FKBP7 | ENSG00000079150.17 | 3.16429303 | 4.994388054 | 3.41514065 |
| GPAM | ENSG00000119927.13 | 3.715342096 | 3.244229529 | 3.343082454 |
| GON7 | ENSG00000170270.4 | 5.315577018 | 4.410035374 | 3.076443094 |
| HERC2P9 | ENSG00000206149.10 | 3.230136607 | 3.801469435 | 3.69957704 |
| PARP16 | ENSG00000138617.14 | 3.635694389 | 3.341515361 | 4.373995675 |
| ENTPD1-AS1 | ENSG00000226688.6 | 4.636623021 | 3.030658299 | 3.080731213 |
| C17orf51 | ENSG00000212719.10 | 3.083641495 | 3.084588169 | 3.827940357 |
| FPGT | ENSG00000254685.6 | 4.420157609 | 3.481544208 | 4.106860711 |
| PIDD1 | ENSG00000177595.17 | 3.712789175 | 3.939778448 | 3.950023007 |
| XPA | ENSG00000136936.10 | 3.758001419 | 3.724383513 | 3.36619733 |
| EVC | ENSG00000072840.12 | 3.64488443 | 3.086382174 | 7.681254569 |
| SPP1 | ENSG00000118785.13 | 4.258072654 | 6.74960179 | 6.088026031 |
| TMEM168 | ENSG00000146802.12 | 3.043410466 | 4.190894879 | 3.661425827 |
| GPT2 | ENSG00000166123.13 | 5.518884264 | 3.406830521 | 4.558037336 |
| PDZD8 | ENSG00000165650.11 | 5.021142748 | 3.548375539 | 4.442731178 |

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| NEU3 | ENSG00000162139.9 | 3.512538321 | 3.990764222 | 4.233785133 |
| WDR24 | ENSG00000127580.15 | 4.250291913 | 3.755332526 | 3.785508301 |
| NBPF9 | ENSG00000269713.7 | 3.837134081 | 3.38513351 | 3.163711075 |
| ZBTB24 | ENSG00000112365.4 | 3.29299113 | 3.756938463 | 3.291463302 |
| HIF1AN | ENSG00000166135.13 | 4.413160881 | 3.562203913 | 4.791507701 |
| WRN | ENSG00000165392.9 | 3.195286804 | 3.728204579 | 3.461806955 |
| PET117 | ENSG00000232838.3 | 3.684665224 | 4.28008413 | 3.13429432 |
| TMEM18 | ENSG00000151353.14 | 3.999044126 | 3.762472254 | 3.076329748 |
| RNF170 | ENSG00000120925.15 | 3.027041851 | 3.912902023 | 4.737701297 |
| DHRS4-AS1 | ENSG00000215256.3 | 3.412506885 | 3.529976169 | 3.489571844 |
| MAP2K6 | ENSG00000108984.13 | 4.344889099 | 3.070839324 | 5.65557419 |
| C21orf91 | ENSG00000154642.10 | 3.09283713 | 4.853392805 | 6.867310932 |
| FBXL12 | ENSG00000127452.8 | 4.45807148 | 4.715381262 | 3.536334787 |
| JMJD4 | ENSG00000081692.12 | 4.165849464 | 3.777741368 | 3.190332475 |
| NAT14 | ENSG00000090971.4 | 5.054499364 | 3.391732145 | 4.696059032 |
| CXorf40A | ENSG00000197620.10 | 3.466829292 | 3.615924252 | 3.826361321 |
| TIRAP | ENSG00000150455.13 | 4.031421078 | 3.21547541 | 4.723169315 |
| TRIM68 | ENSG00000167333.12 | 2.988159233 | 3.877726574 | 4.038989045 |
| DDAH2 | ENSG00000213722.8 | 3.093746921 | 4.076160773 | 5.109575959 |
| ANKRD26 | ENSG00000107890.16 | 3.113324853 | 2.999864504 | 3.472353692 |
| COX18 | ENSG00000163626.16 | 3.439430794 | 3.685831926 | 3.675558566 |
| ATP7A | ENSG00000165240.18 | 3.007377513 | 4.313348952 | 3.616504738 |
| AC005261.2 | ENSG00000268205.1 | 4.292575557 | 2.98618592 | 4.342854698 |
| BICRA | ENSG00000063169.10 | 3.693666503 | 3.365242027 | 3.266032716 |
| DBNDD1 | ENSG00000003249.13 | 5.465367005 | 6.765409948 | 5.079487786 |
| NP1PB5 | ENSG00000243716.10 | 3.421737483 | 4.161553388 | 4.85867317 |
| HEY1 | ENSG00000164683.16 | 4.343826041 | 6.015173008 | 7.283829154 |
| SLC35A5 | ENSG00000138459.8 | 3.702844086 | 3.448678504 | 4.375322252 |
| SPECC1L | ENSG00000100014.19 | 4.636594598 | 4.412403891 | 4.991020854 |
| MTHFSD | ENSG00000103248.18 | 4.325436245 | 3.715085676 | 4.315017208 |
| AGL | ENSG00000162688.16 | 4.15177927 | 3.960441433 | 3.97553625 |
| BAIAP2L2 | ENSG00000128298.16 | 4.720335807 | 5.72309585 | 4.886888112 |
| SNHG11 | ENSG00000174365.19 | 4.315552235 | 3.559099614 | 3.81697736 |
| DCAF10 | ENSG00000122741.15 | 4.262733632 | 3.91858554 | 3.874155069 |
| ATAD5 | ENSG00000176208.8 | 3.889949371 | 3.258804284 | 2.932667581 |
| NUDT12 | ENSG00000112874.9 | 4.235713885 | 3.903326215 | 4.697626468 |
| HOXB3 | ENSG00000120093.11 | 4.311392253 | 3.036010719 | 4.372726102 |
| CEP290 | ENSG00000198707.14 | 3.75164158 | 3.138042307 | 3.381463685 |
| CRYL1 | ENSG00000165475.13 | 4.475975421 | 4.138147372 | 5.825645947 |
| SMYD4 | ENSG00000186532.11 | 3.71584802 | 3.043095027 | 3.190587291 |
| DIEXF | ENSG00000117597.17 | 4.601641021 | 2.979798759 | 2.963901472 |
| ZSCAN2 | ENSG00000176371.13 | 3.019418003 | 3.285094479 | 3.369934002 |
| PPP2R2D | ENSG00000175470.18 | 4.369434848 | 3.70899435 | 4.047335803 |
| SIDT2 | ENSG00000149577.15 | 4.508668043 | 3.060301438 | 3.701793877 |
| ZSWIM7 | ENSG00000214941.7 | 4.115206972 | 3.839796746 | 3.117906766 |
| LRRC37BP1 | ENSG00000250462.8 | 3.555262988 | 4.050341364 | 4.393453105 |

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| TBC1D25 | ENSG00000068354.15 | 3.767017987 | 3.441324235 | 3.785048422 |
| PRKAR1B | ENSG00000188191.14 | 5.305231518 | 4.985077125 | 2.97563291 |
| TPM2 | ENSG00000198467.13 | 7.653592801 | 3.02528718 | 3.205371028 |
| GMIP | ENSG00000089639.10 | 4.182243349 | 5.088823924 | 3.962502062 |
| PKNOX1 | ENSG00000160199.14 | 3.574724105 | 3.151388448 | 3.917443279 |
| AC018738.1 | ENSG00000237039.1 | 5.282120843 | 3.08084359 | 3.261996159 |
| SVIL-AS1 | ENSG00000224597.9 | 3.500138496 | 4.662616123 | 5.314896349 |
| ORAOV1 | ENSG00000149716.12 | 4.302210703 | 3.683563693 | 3.974177735 |
| TIGD2 | ENSG00000180346.3 | 3.326793806 | 3.022418054 | 3.727671569 |
| BBS1 | ENSG00000174483.19 | 4.262297243 | 3.682948827 | 3.867118622 |
| TMLHE | ENSG00000185973.10 | 3.680068414 | 3.659511885 | 3.53551725 |
| FECH | ENSG00000066926.10 | 4.455633101 | 4.635233217 | 3.075193901 |
| MAP4K5 | ENSG00000012983.11 | 4.61577269 | 4.484737537 | 4.165392365 |
| LRSAM1 | ENSG00000148356.13 | 4.050483808 | 4.677641784 | 3.727484864 |
| C3orf58 | ENSG00000181744.8 | 3.764869464 | 3.648675938 | 3.511442955 |
| SMG8 | ENSG00000167447.12 | 4.007646391 | 4.700463016 | 5.152074654 |
| USP42 | ENSG00000106346.11 | 3.872741488 | 3.856622969 | 3.22066366 |
| TMEM260 | ENSG00000070269.13 | 3.096374923 | 4.52739802 | 4.348070312 |
| QRSL1 | ENSG00000130348.11 | 3.950284453 | 3.4427564 | 3.369208007 |
| CNN2 | ENSG00000064666.14 | 4.916983049 | 5.463978203 | 4.410914214 |
| SGTB | ENSG00000197860.9 | 2.94980627 | 4.034327299 | 5.049145621 |
| LRRC40 | ENSG00000066557.5 | 4.880593091 | 4.00218157 | 3.050426921 |
| GTPBP10 | ENSG00000105793.15 | 3.46839327 | 3.400314638 | 3.095423944 |
| MYO9A | ENSG00000066933.15 | 3.819463123 | 3.887827002 | 4.125424605 |
| MAFK | ENSG00000198517.9 | 4.183911066 | 6.991390897 | 5.235098581 |
| TJP2 | ENSG00000119139.17 | 5.424485541 | 3.988582318 | 2.958450931 |
| MTF2 | ENSG00000143033.17 | 3.968238178 | 3.828777484 | 3.131866796 |
| CIDECP | ENSG00000186162.10 | 3.535232856 | 3.908846716 | 4.007907229 |
| TUSC1 | ENSG00000198680.4 | 4.020831831 | 3.187363483 | 2.962882823 |
| OXSM | ENSG00000151093.7 | 3.700982085 | 3.94482486 | 3.279790499 |
| SMAD7 | ENSG00000101665.8 | 3.498382755 | 3.382730033 | 4.069694741 |
| ZNF385A | ENSG00000161642.17 | 6.540737741 | 4.953652271 | 4.090788263 |
| RAB23 | ENSG00000112210.11 | 2.945175955 | 3.399276265 | 3.476555267 |
| COX10 | ENSG00000006695.10 | 4.868144436 | 3.434146391 | 4.398347748 |
| NT5DC1 | ENSG00000178425.13 | 4.272668173 | 4.190634237 | 3.237689813 |
| ATAT1 | ENSG00000137343.17 | 3.880854958 | 2.936449884 | 4.033622525 |
| TXNRD3 | ENSG00000197763.14 | 2.904936591 | 4.053103898 | 3.264371327 |
| MED28 | ENSG00000118579.12 | 3.683642669 | 3.048639441 | 5.330409313 |
| KCTD6 | ENSG00000168301.12 | 3.73674935 | 3.379491025 | 3.826600419 |
| AAED1 | ENSG00000158122.11 | 3.751727334 | 4.499589769 | 2.921016595 |
| WDFY3 | ENSG00000163625.15 | 3.676650785 | 4.246688863 | 4.457769554 |
| RAD54L2 | ENSG00000164080.13 | 4.616233108 | 4.361462373 | 3.755260347 |
| TEAD3 | ENSG00000007866.19 | 3.038633526 | 3.679710753 | 3.97537325 |
| GDF15 | ENSG00000130513.6 | 3.1085559 | 10.41658579 | 12.99750509 |
| CDC7 | ENSG00000097046.12 | 4.23412897 | 3.816277086 | 3.00388269 |
| ZC3H14 | ENSG00000100722.18 | 4.378562117 | 3.868698513 | 3.062321696 |

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| DOCK5 | ENSG00000147459.17 | 5.389608555 | 3.839923591 | 3.291626743 |
| RPP25L | ENSG00000164967.9 | 4.686550616 | 3.756831416 | 3.020599294 |
| PRR14L | ENSG00000183530.13 | 4.040839603 | 4.739191466 | 4.406359995 |
| ZMAT5 | ENSG00000100319.12 | 4.035520777 | 4.765707227 | 4.691693596 |
| UBASH3B | ENSG00000154127.9 | 5.68230364 | 3.022401721 | 4.041041366 |
| GMDS | ENSG00000112699.10 | 5.186562262 | 4.642864248 | 4.537843436 |
| TBC1D4 | ENSG00000136111.12 | 5.4956152 | 4.180535924 | 6.083198435 |
| ATG7 | ENSG00000197548.12 | 4.254850832 | 3.916862197 | 3.491165666 |
| C10orf88 | ENSG00000119965.12 | 3.369562087 | 3.584919346 | 4.015646528 |
| C12orf76 | ENSG00000174456.13 | 4.02891265 | 3.79699443 | 3.316907112 |
| MALT1 | ENSG00000172175.12 | 4.287049086 | 3.83658907 | 5.314224842 |
| CTC1 | ENSG00000178971.13 | 3.653189405 | 2.963017747 | 3.445583247 |
| PTPRZ1 | ENSG00000106278.11 | 2.955572557 | 4.301911271 | 3.539135128 |
| PLD2 | ENSG00000129219.13 | 4.157108479 | 3.377372921 | 3.980002673 |
| FAM102A | ENSG00000167106.11 | 4.342443489 | 5.853786807 | 4.492328001 |
| ZNF668 | ENSG00000167394.12 | 4.802016109 | 3.767099121 | 3.107071331 |
| TMTC4 | ENSG00000125247.15 | 4.370451089 | 3.322925728 | 3.12166677 |
| RTKL1-TNFRS | ENSG00000026036.21 | 3.198984751 | 3.639288486 | 4.477591468 |
| DENND1A | ENSG00000119522.16 | 4.519921203 | 5.11658064 | 3.824026745 |
| RTTN | ENSG00000176225.13 | 3.034256381 | 4.555894551 | 3.042506734 |
| TBCEL | ENSG00000154114.12 | 3.640772521 | 3.32297057 | 4.606572845 |
| ARNTL | ENSG00000133794.17 | 3.857550479 | 4.240917646 | 4.668824611 |
| ZKSCAN8 | ENSG00000198315.10 | 4.341256378 | 3.918936985 | 5.08054579 |
| DCLRE1A | ENSG00000198924.7 | 4.506409261 | 2.991969849 | 4.126250017 |
| C11orf49 | ENSG00000149179.13 | 4.753932462 | 4.701377456 | 5.536865004 |
| RAB15 | ENSG00000139998.14 | 3.493352481 | 4.046161671 | 4.384507708 |
| ZCCHC4 | ENSG00000168228.14 | 4.467329421 | 3.021804523 | 5.536457424 |
| SLC35A1 | ENSG00000164414.17 | 4.569906667 | 3.936699852 | 3.988620827 |
| MAST3 | ENSG00000099308.10 | 3.731283148 | 4.468769662 | 3.814416134 |
| SPIDR | ENSG00000164808.16 | 5.009287731 | 4.25512121 | 5.116743929 |
| FOCAD | ENSG00000188352.12 | 5.017005749 | 4.377797669 | 4.444077493 |
| CDC14B | ENSG00000081377.16 | 3.515438191 | 4.215926598 | 4.250018192 |
| ZNF331 | ENSG00000130844.16 | 3.394116189 | 3.534443051 | 3.000102814 |
| FAM86DP | ENSG00000244026.6 | 5.500858055 | 4.918620954 | 3.156914472 |
| METTL14 | ENSG00000145388.14 | 3.476694348 | 2.996427396 | 3.684030726 |
| SAC3D1 | ENSG00000168061.14 | 4.234613425 | 3.467174455 | 2.919523354 |
| TMEM267 | ENSG00000151881.14 | 3.607024278 | 3.757120755 | 4.287145039 |
| MEX3D | ENSG00000181588.16 | 3.471166336 | 4.260506231 | 3.305451166 |
| MRNIP | ENSG00000161010.14 | 3.8532779 | 3.125319521 | 3.324453756 |
| ACTR5 | ENSG00000101442.9 | 3.657705759 | 3.09698488 | 3.243539146 |
| UNC93B1 | ENSG00000110057.7 | 4.685483341 | 4.448031638 | 4.204327569 |
| PEX26 | ENSG00000215193.12 | 3.057923102 | 3.495799801 | 4.178902673 |
| CTH | ENSG00000116761.11 | 4.497470766 | 4.590834703 | 4.902854 |
| ACSF3 | ENSG00000176715.15 | 4.930334331 | 4.302462555 | 4.681815438 |
| SHTN1 | ENSG00000187164.19 | 4.488299406 | 5.193008018 | 5.157595972 |
| TMEM44 | ENSG00000145014.17 | 2.930913451 | 3.33871253 | 3.075859714 |

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| TDRD3 | ENSG00000083544.13 | 4.541242922 | 3.973842618 | 7.48811951 |
| TMEM51 | ENSG00000171729.13 | 3.247183449 | 4.280603785 | 3.866543505 |
| CNOT6L | ENSG00000138767.12 | 3.39920156 | 4.148591091 | 4.206214258 |
| RHBDF2 | ENSG00000129667.12 | 3.193520371 | 6.564897395 | 5.763041032 |
| NME7 | ENSG00000143156.13 | 5.311990136 | 4.496107593 | 2.899460779 |
| DEPDC5 | ENSG00000100150.16 | 3.045512929 | 3.78267497 | 4.090310328 |
| MOCS3 | ENSG00000124217.4 | 4.545725861 | 3.696536759 | 3.331401599 |
| PCNX1 | ENSG00000100731.15 | 4.445438293 | 3.957662457 | 4.457333083 |
| ANKRD13B | ENSG00000198720.12 | 5.071498218 | 4.384014059 | 4.413911338 |
| NRGN | ENSG00000154146.12 | 6.162339551 | 3.034457905 | 3.808435667 |
| CROCCP2 | ENSG00000215908.10 | 4.715680347 | 4.01389826 | 4.039432955 |
| PRKAG2 | ENSG00000106617.13 | 3.377693391 | 5.210949004 | 4.738199082 |
| LRRCC1 | ENSG00000133739.15 | 3.120732617 | 3.397697648 | 2.935563325 |
| ATOH8 | ENSG00000168874.12 | 2.867038904 | 5.337421282 | 4.668465314 |
| PAPOLG | ENSG00000115421.12 | 3.751157306 | 3.857883019 | 2.912551064 |
| TACC2 | ENSG00000138162.18 | 5.111130947 | 3.707117192 | 3.382970992 |
| LNX2 | ENSG00000139517.7 | 2.923000751 | 3.951885663 | 4.741671098 |
| GLRX | ENSG00000173221.13 | 5.15070597 | 3.588796377 | 4.75713437 |
| LRRC28 | ENSG00000168904.14 | 3.713040931 | 3.565669851 | 4.595321325 |
| ST3GAL1 | ENSG00000008513.14 | 4.804387016 | 5.099723457 | 3.125176087 |
| ITGA7 | ENSG00000135424.15 | 2.954244036 | 9.111209877 | 4.333054388 |
| GTF2IP4 | ENSG00000233369.7 | 3.752042847 | 4.178099567 | 2.887667039 |
| ZBTB6 | ENSG00000186130.4 | 4.59490283 | 4.502751465 | 3.242912289 |
| CCNE2 | ENSG00000175305.17 | 5.150978187 | 3.107881936 | 3.119866503 |
| GPCPD1 | ENSG00000125772.12 | 3.755370557 | 2.927923428 | 3.660664581 |
| NDST2 | ENSG00000166507.17 | 3.687865574 | 2.976788734 | 3.643479989 |
| CTAGE5 | ENSG00000150527.17 | 4.248811192 | 3.077712688 | 4.876491221 |
| DNAJC25-GN | ENSG00000244115.1 | 3.21108132 | 4.215524938 | 4.048647555 |
| PIF1 | ENSG00000140451.12 | 4.738343386 | 2.956987164 | 2.998364687 |
| FUNDC2 | ENSG00000165775.17 | 3.642200016 | 2.857661965 | 2.969423563 |
| FBXO46 | ENSG00000177051.5 | 4.79694284 | 3.436814218 | 4.00671519 |
| PHLPP1 | ENSG00000081913.13 | 3.646324299 | 4.428338098 | 3.892007278 |
| TRADD | ENSG00000102871.15 | 2.847352827 | 4.152054078 | 4.684765325 |
| GNAI3 | ENSG00000065135.10 | 3.850707477 | 3.358971603 | 2.929004012 |
| IRF9 | ENSG00000213928.8 | 3.210314081 | 3.073258129 | 5.246962011 |
| UBE2W | ENSG00000104343.19 | 3.771845029 | 4.170691842 | 4.812981249 |
| SUSD6 | ENSG00000100647.7 | 2.957710883 | 3.450883727 | 4.53720826 |
| LDHAP4 | ENSG00000214110.3 | 3.935535244 | 3.67190582 | 3.063378389 |
| MHENCR | ENSG00000232442.1 | 3.93054985 | 2.941240857 | 3.168506808 |
| MSX1 | ENSG00000163132.6 | 3.629364799 | 4.390405267 | 5.105996734 |
| CCDC92 | ENSG00000119242.8 | 3.053404407 | 3.190415337 | 4.550297624 |
| MT-TG | ENSG00000210164.1 | 3.538086369 | 4.04584396 | 3.098618765 |
| SLC25A20 | ENSG00000178537.9 | 4.177451052 | 4.643027564 | 3.015726391 |
| LRFN4 | ENSG00000173621.8 | 5.736297712 | 5.171213893 | 4.662415216 |
| NFAT5 | ENSG00000102908.20 | 4.202173173 | 4.130632255 | 4.803648639 |
| ZNF234 | ENSG00000263002.7 | 3.799756991 | 3.073595234 | 3.74853732 |

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| RNF169 | ENSG00000166439.5 | 3.909462803 | 2.847651518 | 3.982947861 |
| BRF1 | ENSG00000185024.16 | 4.381640217 | 4.53505029 | 2.894852318 |
| AC093752.1 | ENSG00000245958.6 | 4.202365427 | 3.764911037 | 3.835385201 |
| NLRX1 | ENSG00000160703.15 | 4.226470254 | 2.949489184 | 3.139289333 |
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| ZNF343 | ENSG00000088876.11 | 4.29606037 | 3.928911942 | 2.868286087 |
| ZNF414 | ENSG00000133250.13 | 4.331110056 | 3.728752897 | 3.033456739 |
| FAM219B | ENSG00000178761.14 | 3.938490611 | 4.216630857 | 4.432423314 |
| HEXIM2 | ENSG00000168517.10 | 3.739740733 | 3.169296608 | 3.498585229 |
| ACO1 | ENSG00000122729.18 | 3.884637079 | 5.374338973 | 3.979342608 |
| RAD54L | ENSG00000085999.11 | 4.902372817 | 3.813578377 | 2.912467046 |
| DENND4C | ENSG00000137145.20 | 4.961940491 | 3.926873691 | 4.744495043 |
| WDYHV1 | ENSG00000156795.6 | 3.487060642 | 3.717454841 | 4.659620239 |
| CCP110 | ENSG00000103540.16 | 4.9401056 | 3.74761572 | 3.220082414 |
| GEMIN2 | ENSG00000092208.16 | 4.501128512 | 3.011581533 | 3.098234143 |
| TATDN3 | ENSG00000203705.10 | 4.607716178 | 2.912160793 | 3.634154136 |
| ALDH1A3 | ENSG00000184254.16 | 9.414492135 | 2.970758279 | 11.89983811 |
| STK38L | ENSG00000211455.7 | 4.097203944 | 4.703056046 | 2.872278818 |
| CRADD | ENSG00000169372.12 | 4.133644437 | 3.570633509 | 3.323434584 |
| F2R | ENSG00000181104.6 | 5.669480671 | 4.037466724 | 2.862952864 |
| DCUN1D2 | ENSG00000150401.14 | 4.044241424 | 3.211017445 | 3.433627712 |
| RRP8 | ENSG00000132275.10 | 3.388978815 | 3.406536744 | 3.757650596 |
| HOTAIRM1 | ENSG00000233429.9 | 2.903695616 | 4.511791518 | 4.333440326 |
| SLC16A4 | ENSG00000168679.17 | 4.217717664 | 4.232688846 | 4.387093271 |
| APOOL | ENSG00000155008.13 | 3.821511561 | 4.254837687 | 4.002370595 |
| ZMYM1 | ENSG00000197056.9 | 4.383600823 | 4.186933292 | 2.888023818 |
| C1orf50 | ENSG00000164008.14 | 3.518563821 | 3.438459511 | 3.141649535 |
| AC020916.1 | ENSG00000267519.5 | 4.35773409 | 4.622512171 | 3.335176401 |
| CCSER2 | ENSG00000107771.15 | 4.171172038 | 3.26869144 | 4.263968131 |
| BCORL1 | ENSG00000085185.15 | 3.733302754 | 4.226839232 | 4.274276126 |
| ROGDI | ENSG00000067836.12 | 4.041134657 | 3.14147618 | 4.181334382 |
| CABLES2 | ENSG00000149679.11 | 2.974372959 | 2.882038974 | 3.856223812 |
| LHFPL6 | ENSG00000183722.7 | 2.83953211 | 4.073618663 | 4.947226762 |
| MBOAT1 | ENSG00000172197.10 | 3.234590519 | 4.655088137 | 4.971997312 |
| SCO2 | ENSG00000130489.14 | 4.473652213 | 4.862249522 | 3.751928285 |
| ATG10 | ENSG00000152348.15 | 3.496434371 | 2.883588415 | 3.355648665 |
| SPSB3 | ENSG00000162032.15 | 4.657955042 | 3.743456273 | 4.166703647 |
| CHIC2 | ENSG00000109220.10 | 4.935935133 | 3.145789534 | 4.051633893 |
| RIC8B | ENSG00000111785.19 | 4.255531696 | 3.237497915 | 2.864180402 |
| RHPN2 | ENSG00000131941.7 | 4.544286972 | 4.032418118 | 3.298549877 |
| SERINC2 | ENSG00000168528.11 | 3.842991419 | 4.885841383 | 7.358541335 |
| MIER3 | ENSG00000155545.19 | 4.468211415 | 3.612515769 | 2.858637285 |
| STRBP | ENSG00000165209.18 | 4.571404474 | 5.859683288 | 3.492724032 |
| MANEA | ENSG00000172469.15 | 3.89340541 | 2.816177195 | 2.959213393 |
| SVBP | ENSG00000177868.11 | 4.152301217 | 3.334962773 | 3.50939588 |

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| KLHL22 | ENSG00000099910.16 | 2.895033365 | 3.801361142 | 3.581416489 |
| ZSCAN32 | ENSG00000140987.19 | 4.049567382 | 3.326095518 | 3.368744636 |
| ZNF43 | ENSG00000198521.11 | 5.118122377 | 4.373328358 | 2.922575502 |
| TMEM39B | ENSG00000121775.17 | 4.572528872 | 3.869928176 | 2.995524604 |
| RALGAPA2 | ENSG00000188559.13 | 2.80777145 | 3.498481539 | 3.509404608 |
| PCCA | ENSG00000175198.15 | 4.216597287 | 3.017218375 | 4.882123028 |
| SIMC1 | ENSG00000170085.17 | 3.769506804 | 3.912030471 | 3.567819509 |
| RPL13P5 | ENSG00000240370.6 | 3.81640043 | 3.514701326 | 4.303983104 |
| NFYB | ENSG00000120837.7 | 4.719603734 | 3.747889216 | 3.008543792 |
| RPP38 | ENSG00000152464.14 | 4.064944064 | 4.241616415 | 3.717150944 |
| SLC10A3 | ENSG00000126903.15 | 4.806795101 | 4.044251062 | 3.641537487 |
| ORMDL3 | ENSG00000172057.9 | 3.664932127 | 4.594532034 | 3.518104602 |
| SPATA13 | ENSG00000182957.15 | 5.538513851 | 4.852964919 | 3.011633816 |
| AC007383.2 | ENSG00000227946.1 | 3.07791475 | 3.640231489 | 4.363997966 |
| THTPA | ENSG00000259431.5 | 4.124228367 | 4.204681086 | 3.10456167 |
| CCZ1B | ENSG00000146574.15 | 4.705721403 | 3.50244969 | 3.012622437 |
| EXT1 | ENSG00000182197.10 | 4.221876933 | 4.350650796 | 2.834357295 |
| P3H3 | ENSG00000110811.19 | 5.38736504 | 4.561045326 | 2.800378819 |
| WRAP53 | ENSG00000141499.16 | 4.702485987 | 3.153771331 | 3.62136793 |
| NMB | ENSG00000197696.9 | 5.331144881 | 3.010418303 | 3.675417124 |
| MEIS2 | ENSG00000134138.19 | 4.757200319 | 3.821140457 | 4.81186469 |
| PRKCI | ENSG00000163558.12 | 3.924484832 | 3.922974872 | 3.842304018 |
| BCL2L2 | ENSG00000129473.9 | 4.906507751 | 4.209415117 | 4.689201591 |
| EPDR1 | ENSG00000086289.11 | 2.884714378 | 7.176959472 | 6.172570823 |
| SLC8B1 | ENSG00000089060.11 | 3.299398263 | 3.339834564 | 3.032336688 |
| KRT8P12 | ENSG00000229320.3 | 4.240032328 | 3.97691452 | 4.880800151 |
| SPIRE2 | ENSG00000204991.10 | 3.442951628 | 3.957340387 | 3.738539384 |
| RAD51 | ENSG00000051180.16 | 5.263357417 | 3.870480242 | 2.954346064 |
| NFKBIE | ENSG00000146232.15 | 3.119290854 | 3.072818514 | 4.688105661 |
| CXCL8 | ENSG00000169429.10 | 3.463468475 | 3.82795934 | 3.844129359 |
| AC073869.1 | ENSG00000152117.17 | 2.79397268 | 3.567714531 | 2.994203522 |
| PRR3 | ENSG00000204576.11 | 5.064271212 | 4.089593295 | 2.941656472 |
| ROBO3 | ENSG00000154134.14 | 3.848947568 | 3.85612878 | 3.118336621 |
| GALT | ENSG00000213930.11 | 4.284966499 | 3.184564487 | 2.936373202 |
| BRF2 | ENSG00000104221.12 | 3.005232049 | 3.231438826 | 3.85812732 |
| DRAM1 | ENSG00000136048.13 | 3.771142138 | 3.919018853 | 3.694517958 |
| BCR | ENSG00000186716.20 | 4.046013903 | 4.568740516 | 4.451944445 |
| BMPR1A | ENSG00000107779.13 | 4.362613773 | 3.268082514 | 4.497033388 |
| RNASEK-C17c | ENSG00000161939.19 | 4.752085374 | 3.038071535 | 4.026337791 |
| USP6NL | ENSG00000148429.14 | 3.406872864 | 3.827770899 | 5.815685116 |
| C7orf25 | ENSG00000136197.12 | 4.564015783 | 4.630052424 | 3.945027414 |
| RELL1 | ENSG00000181826.9 | 5.904377766 | 2.993889923 | 7.584568362 |
| TAPT1 | ENSG00000169762.16 | 4.559662548 | 2.887234398 | 5.712365451 |
| SIRT1 | ENSG00000096717.11 | 4.596970522 | 2.897270025 | 4.007967236 |
| EXOG | ENSG00000157036.12 | 4.207903273 | 4.253566777 | 2.971903836 |
| LYSMD1 | ENSG00000163155.11 | 3.98869711 | 3.597434658 | 2.89440575 |

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| RASSF8-AS1 | ENSG00000246695.7 | 4.289927387 | 4.010903775 | 3.806321942 |
| NABP1 | ENSG00000173559.12 | 3.304527223 | 5.428023974 | 4.274185186 |
| CYB5D2 | ENSG00000167740.9 | 4.296480793 | 2.964132641 | 3.445004677 |
| YBEY | ENSG00000182362.13 | 4.081865323 | 3.507952509 | 3.239720636 |
| TUT1 | ENSG00000149016.15 | 4.923293224 | 3.54754724 | 4.079156267 |
| AL359075.1 | ENSG00000242193.10 | 2.85756941 | 3.31099411 | 3.714919757 |
| ZNF691 | ENSG00000164011.17 | 4.120513083 | 3.44641313 | 2.899231832 |
| PER1 | ENSG00000179094.15 | 3.939916422 | 2.996233185 | 3.23909443 |
| ARL6 | ENSG00000113966.9 | 3.581737396 | 3.346043777 | 3.328775353 |
| ZBTB44 | ENSG00000196323.12 | 4.573628081 | 3.134150326 | 3.563790851 |
| MYBL1 | ENSG00000185697.16 | 3.662418629 | 3.3675402 | 2.864438401 |
| LMBRD2 | ENSG00000164187.6 | 2.930512559 | 2.888915541 | 3.623371433 |
| C14orf93 | ENSG00000100802.14 | 3.247157747 | 2.956519407 | 3.768277861 |
| MAP1S | ENSG00000130479.10 | 4.2226418 | 4.927871972 | 4.517374334 |
| SYNJ2 | ENSG00000078269.14 | 4.757122239 | 2.838809641 | 3.05277408 |
| LYRM1 | ENSG00000102897.9 | 4.211296603 | 3.921007797 | 4.362351335 |
| FAM81A | ENSG00000157470.11 | 3.448609538 | 4.887867782 | 5.279140128 |
| MSL3P1 | ENSG00000224287.2 | 3.806941459 | 4.021317685 | 2.904882282 |
| NUDT16 | ENSG00000198585.11 | 3.266850945 | 3.902631921 | 3.067122433 |
| AL161911.1 | ENSG00000214654.7 | 4.135406633 | 4.526743424 | 2.803447834 |
| LPCAT2 | ENSG00000087253.12 | 5.029097619 | 3.177843295 | 2.971768155 |
| ZSCAN26 | ENSG00000197062.11 | 2.84997223 | 2.996325485 | 4.461328818 |
| RAB8B | ENSG00000166128.12 | 4.173115633 | 2.899965821 | 4.829721764 |
| HERC3 | ENSG00000138641.15 | 3.062528501 | 2.929707806 | 4.120304045 |
| TOE1 | ENSG00000132773.11 | 5.496415735 | 3.978926435 | 2.957982224 |
| SLC35G1 | ENSG00000176273.14 | 4.44191829 | 4.368535595 | 2.835003213 |
| ZNF440 | ENSG00000171295.12 | 4.205065915 | 3.731354862 | 3.336883763 |
| ZNF675 | ENSG00000197372.9 | 4.031547816 | 3.425835364 | 3.345142908 |
| OSBPL7 | ENSG00000006025.11 | 3.531571095 | 3.159147678 | 4.550253793 |
| RCOR1 | ENSG00000089902.9 | 4.641955204 | 4.029296101 | 2.830081525 |
| MPND | ENSG00000008382.15 | 3.590636314 | 4.151466633 | 4.235003715 |
| ZC3H8 | ENSG00000144161.12 | 2.998418251 | 3.216429932 | 3.491488532 |
| ARHGAP10 | ENSG00000071205.11 | 3.818588194 | 3.214746351 | 3.449150619 |
| ZNF526 | ENSG00000167625.10 | 3.66020768 | 4.653743108 | 3.192022462 |
| PLEKHA2 | ENSG00000169499.14 | 2.892170066 | 5.025841001 | 5.487432813 |
| CEP44 | ENSG00000164118.12 | 3.839796651 | 3.159592161 | 3.343726924 |
| MT-TW | ENSG00000210117.1 | 2.873810139 | 3.93341833 | 3.092649287 |
| SIPA1L1 | ENSG00000197555.9 | 3.955816072 | 4.960143329 | 3.149692126 |
| GXYLT1 | ENSG00000151233.10 | 3.838012759 | 4.232841482 | 2.805136254 |
| MAPKAPK5 | ENSG00000089022.13 | 4.443960806 | 3.865700544 | 2.972644651 |
| ZNF436 | ENSG00000125945.14 | 4.375364598 | 3.225250377 | 3.483602147 |
| SMIM20 | ENSG00000250317.8 | 6.007298602 | 4.45046048 | 6.710459514 |
| TRAIP | ENSG00000183763.8 | 4.329866008 | 3.80067777 | 2.878117455 |
| PTRH1 | ENSG00000187024.14 | 3.794246316 | 5.111342594 | 3.237792073 |
| CARD8 | ENSG00000105483.17 | 3.817966483 | 3.543061872 | 4.879947063 |
| TASP1 | ENSG00000089123.15 | 3.729193028 | 3.709979469 | 2.858692301 |

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| PTOV1-AS2 | ENSG00000269352.1 | 4.219456275 | 4.146313821 | 3.846942351 |
| GSTCD | ENSG00000138780.14 | 3.984368419 | 3.567836319 | 2.803376711 |
| JPX | ENSG00000225470.7 | 4.155123167 | 4.179097732 | 3.77555216 |
| MMS22L | ENSG00000146263.11 | 3.940181229 | 3.175165015 | 3.036138052 |
| RAD54B | ENSG00000197275.13 | 3.742353732 | 3.039251315 | 2.930370829 |
| STK17B | ENSG00000081320.10 | 2.82881423 | 4.685231227 | 4.765664573 |
| ZNF397 | ENSG00000186812.12 | 3.539189086 | 3.5495004 | 3.924892289 |
| MTF1 | ENSG00000188786.9 | 4.166702369 | 3.19577953 | 2.825317833 |
| PDXDC2P-NPI | ENSG00000196696.12 | 3.266573657 | 4.285478868 | 5.178061428 |
| SENP7 | ENSG00000138468.15 | 2.942461032 | 3.123704789 | 3.92763757 |
| C3orf67 | ENSG00000163689.19 | 3.005241674 | 3.896058007 | 3.547104211 |
| SREK1IP1 | ENSG00000153006.15 | 3.835333329 | 2.873399558 | 4.019967253 |
| PYROXD1 | ENSG00000121350.15 | 4.56794156 | 4.003197755 | 5.078269597 |
| ZNF558 | ENSG00000167785.8 | 3.37367649 | 4.550717802 | 4.306380115 |
| SEMA4F | ENSG00000135622.12 | 2.950271613 | 4.201800835 | 4.056715662 |
| CRCP | ENSG00000241258.6 | 3.518512165 | 3.438721447 | 3.608870904 |
| ZRANB1 | ENSG00000019995.6 | 4.560850858 | 3.567683806 | 4.211080066 |
| CBX8 | ENSG00000141570.10 | 4.015159382 | 3.956980127 | 3.378057783 |
| SPATA5L1 | ENSG00000171763.18 | 4.00432662 | 3.303999993 | 3.233183574 |
| EPB41L1 | ENSG00000088367.21 | 4.272245727 | 5.250565291 | 3.017605732 |
| MBTD1 | ENSG00000011258.15 | 3.678726258 | 3.497946566 | 3.833995599 |
| FAM161A | ENSG00000170264.12 | 3.072286495 | 4.797848497 | 3.269661077 |
| ASB13 | ENSG00000196372.12 | 4.641728811 | 3.065716399 | 5.076917542 |
| ENTPD5 | ENSG00000187097.12 | 3.643130866 | 2.796944639 | 3.498598125 |
| JADE3 | ENSG00000102221.13 | 3.252930566 | 4.141767391 | 3.118447434 |
| ZNF473 | ENSG00000142528.15 | 4.031165538 | 3.391987225 | 3.719378032 |
| GTF2H2C | ENSG00000183474.15 | 3.787401918 | 3.120074716 | 2.955556067 |
| C5orf42 | ENSG00000197603.13 | 3.140368358 | 2.816469999 | 3.974456661 |
| ID1 | ENSG00000125968.8 | 7.968255418 | 5.289065173 | 2.974558819 |
| AHDC1 | ENSG00000126705.13 | 4.274919994 | 4.408237435 | 3.534622176 |
| OPA3 | ENSG00000125741.4 | 4.39612882 | 2.839313519 | 3.296722255 |
| LRP4 | ENSG00000134569.9 | 3.264153836 | 3.994880713 | 5.284979627 |
| FBXL4 | ENSG00000112234.8 | 2.773674814 | 3.553896699 | 3.092661386 |
| PLS1 | ENSG00000120756.12 | 4.076466158 | 4.497985887 | 4.354725636 |
| THAP6 | ENSG00000174796.12 | 3.363894924 | 3.359689616 | 3.943785561 |
| CCDC57 | ENSG00000176155.18 | 4.265156066 | 4.441560962 | 5.967447395 |
| CPEB4 | ENSG00000113742.12 | 3.659450155 | 3.115452756 | 5.869439989 |
| CCDC134 | ENSG00000100147.13 | 2.960693467 | 3.770178556 | 3.492382146 |
| ZBTB41 | ENSG00000177888.7 | 3.675438924 | 3.514191808 | 3.513135572 |
| STXBP5 | ENSG00000164506.14 | 2.965439399 | 3.483232732 | 3.525406343 |
| UBN2 | ENSG00000157741.14 | 3.14077192 | 3.26360386 | 3.061534565 |
| ACCS | ENSG00000110455.13 | 3.618312981 | 4.947696444 | 4.292838576 |
| RNF216P1 | ENSG00000196204.11 | 3.956204203 | 4.469519233 | 3.771055624 |
| FIZ1 | ENSG00000179943.7 | 4.498177607 | 2.854013116 | 4.20149334 |
| C12orf65 | ENSG00000130921.7 | 3.062681553 | 2.881771342 | 3.233120863 |
| POLL | ENSG00000166169.16 | 4.838130481 | 4.001905406 | 4.162124553 |

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| ZNF205 | ENSG00000122386.10 | 4.035655427 | 3.750844388 | 4.575430438 |
| PTPDC1 | ENSG00000158079.14 | 2.999106286 | 4.56329595 | 3.927776089 |
| PEX3 | ENSG00000034693.14 | 4.49211141 | 4.215084296 | 3.514609035 |
| RAB11FIP2 | ENSG00000107560.10 | 4.320055042 | 3.342308394 | 4.102411453 |
| CYB561D2 | ENSG00000114395.10 | 3.956905737 | 3.706187055 | 2.787839922 |
| CARMIL1 | ENSG00000079691.17 | 2.74331283 | 4.634869309 | 4.957536033 |
| DPH6 | ENSG00000134146.11 | 3.815048336 | 2.756979638 | 4.192346965 |
| PLA2G15 | ENSG00000103066.12 | 3.231379301 | 3.097278354 | 3.808147774 |
| B9D1 | ENSG00000108641.14 | 5.566125696 | 4.569185481 | 2.906306748 |
| SNORD104 | ENSG00000199753.1 | 5.750793034 | 4.685361238 | 4.457863099 |
| SH3RF1 | ENSG00000154447.14 | 3.728818942 | 2.827995036 | 4.004611394 |
| KIAA0355 | ENSG00000166398.12 | 3.698168741 | 2.774481573 | 4.575987169 |
| C17orf75 | ENSG00000108666.9 | 4.305172856 | 3.403937141 | 5.074457052 |
| ORA12 | ENSG00000160991.15 | 6.003049874 | 5.892344624 | 4.572649531 |
| GSKIP | ENSG00000100744.14 | 4.710995605 | 4.053231711 | 3.353359447 |
| NFXL1 | ENSG00000170448.11 | 4.707100201 | 3.642913803 | 4.38212467 |
| NBPF3 | ENSG00000142794.18 | 3.510782464 | 3.706539202 | 3.647977671 |
| AL392172.1 | ENSG00000228106.5 | 4.407254531 | 3.128190913 | 3.076722674 |
| GADD45A | ENSG00000116717.11 | 5.185661426 | 5.915811915 | 6.463339629 |
| ABRAXAS1 | ENSG00000163322.13 | 2.8896327 | 3.047695011 | 3.191617 |
| AGO1 | ENSG00000092847.11 | 5.068192666 | 3.549392387 | 3.959896888 |
| FCMR | ENSG00000162894.11 | 2.872201806 | 3.382243197 | 5.260394198 |
| HAUS7 | ENSG00000213397.10 | 3.799283298 | 3.578261727 | 2.929196228 |
| TMEM131L | ENSG00000121210.15 | 2.85957463 | 3.659185994 | 2.888230199 |
| MICALL2 | ENSG00000164877.18 | 3.698640647 | 5.83766449 | 3.786573808 |
| ERCC6 | ENSG00000225830.12 | 4.210114078 | 3.0541011 | 3.526781586 |
| TCF7L2 | ENSG00000148737.16 | 5.980170279 | 3.614421834 | 3.321719575 |
| C2CD2L | ENSG00000172375.12 | 4.566858329 | 2.899892612 | 4.080391405 |
| ZNF516 | ENSG00000101493.10 | 4.442953855 | 5.351905912 | 4.963998513 |
| ARL4C | ENSG00000188042.7 | 4.389790331 | 4.836531158 | 2.780063542 |
| SETMAR | ENSG00000170364.12 | 3.035934201 | 3.074259526 | 2.778528339 |
| PFKFB3 | ENSG00000170525.19 | 6.070807057 | 5.161461327 | 5.680034487 |
| FLVCR1 | ENSG00000162769.12 | 4.636384027 | 2.743988797 | 3.045374675 |
| MCUB | ENSG00000005059.15 | 5.228775924 | 2.871495776 | 4.97002598 |
| MINCR | ENSG00000253716.5 | 3.975624396 | 3.174898934 | 3.25563166 |
| S1PR2 | ENSG00000267534.2 | 4.871751869 | 2.842299987 | 2.987340577 |
| DNAJC22 | ENSG00000178401.14 | 4.157081057 | 3.388137364 | 3.313958395 |
| OVCA2 | ENSG00000262664.2 | 3.686022096 | 2.807445604 | 3.132305324 |
| G2E3 | ENSG00000092140.14 | 4.215078323 | 2.874615782 | 3.047171091 |
| STK39 | ENSG00000198648.10 | 2.846346971 | 4.463866997 | 5.021636571 |
| CDC40 | ENSG00000168438.14 | 4.163600461 | 3.202792716 | 3.24431874 |
| CNTLN | ENSG00000044459.14 | 3.884732063 | 2.866809015 | 2.835655742 |
| C21orf2 | ENSG00000160226.15 | 2.978477309 | 3.229866876 | 4.455080223 |
| SNCA | ENSG00000145335.15 | 4.417655141 | 6.794055179 | 7.321668312 |
| DEPDC1B | ENSG00000035499.12 | 5.560185355 | 2.810315182 | 2.849943944 |
| DIAPH2 | ENSG00000147202.17 | 3.821916669 | 3.792869166 | 3.685982071 |

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| KIAA1549 | ENSG00000122778.9 | 4.329841122 | 3.06292637 | 3.345404649 |
| NCALD | ENSG00000104490.17 | 3.343165759 | 4.42135078 | 2.742690629 |
| ZNF680 | ENSG00000173041.11 | 3.834166013 | 3.60020331 | 2.828607284 |
| LRR8C | ENSG00000171488.14 | 3.032881348 | 3.669715239 | 4.749608625 |
| KIF14 | ENSG00000118193.11 | 5.557322559 | 3.720196776 | 2.734407334 |
| COX19 | ENSG00000240230.5 | 2.726585181 | 3.450876726 | 3.332627697 |
| ING4 | ENSG00000111653.19 | 4.822124318 | 3.070661795 | 4.128310938 |
| QKI | ENSG00000112531.16 | 3.959857889 | 3.326205226 | 3.418566113 |
| IFT74 | ENSG00000096872.15 | 5.0871921 | 2.929536177 | 2.815909102 |
| TSPAN14 | ENSG00000108219.14 | 6.002786953 | 4.916249538 | 7.952374934 |
| TSEN2 | ENSG00000154743.17 | 4.08804846 | 3.516800594 | 2.911840901 |
| RPL23AP42 | ENSG00000234851.4 | 4.228132092 | 3.349068456 | 3.759326293 |
| MFSD6 | ENSG00000151690.14 | 2.801086216 | 5.357307982 | 5.821563907 |
| RPL23AP82 | ENSG00000184319.15 | 2.865341975 | 4.788762706 | 4.152864888 |
| LIAS | ENSG00000121897.14 | 4.122476565 | 2.868318302 | 5.099192422 |
| YIPF6 | ENSG00000181704.11 | 3.293688485 | 4.232470976 | 3.255836455 |
| ZNF710 | ENSG00000140548.9 | 3.370299547 | 2.865875658 | 2.927638134 |
| SNX33 | ENSG00000173548.8 | 3.922818073 | 3.973137088 | 3.87894301 |
| SLC2A11 | ENSG00000133460.19 | 3.318680316 | 4.448045563 | 4.632570001 |
| SGF29 | ENSG00000176476.8 | 4.682043225 | 2.849167682 | 3.736045706 |
| CGRRF1 | ENSG00000100532.11 | 2.900237824 | 3.006218857 | 3.699862913 |
| TMTC3 | ENSG00000139324.11 | 4.592407962 | 3.737881641 | 2.785105298 |
| ZNF28 | ENSG00000198538.10 | 3.429139459 | 3.329314859 | 3.217602845 |
| C12orf73 | ENSG00000204954.9 | 4.072391145 | 3.088698047 | 3.077417531 |
| ZNF304 | ENSG00000131845.14 | 3.524402618 | 2.741113035 | 3.631883077 |
| ZNRF2P2 | ENSG00000225264.3 | 3.109118011 | 3.949637172 | 3.610170217 |
| ACADS | ENSG00000122971.8 | 3.064397938 | 3.917927064 | 5.523300198 |
| SYNE2 | ENSG00000054654.16 | 3.180452987 | 3.83330198 | 4.9049707 |
| DICER1 | ENSG00000100697.14 | 4.396487379 | 3.994926306 | 2.733446785 |
| HMGA2 | ENSG00000149948.13 | 6.089517598 | 5.989741438 | 5.675123588 |
| CREB1 | ENSG00000118260.14 | 3.250416804 | 3.266141667 | 2.890080545 |
| IFT27 | ENSG00000100360.14 | 2.802559621 | 4.121619552 | 5.738900198 |
| UNKL | ENSG00000059145.18 | 4.113495278 | 3.719540374 | 3.586784585 |
| CYB5A | ENSG00000166347.18 | 2.859177726 | 4.759359234 | 3.625434473 |
| ARRDC1 | ENSG00000197070.13 | 4.378050723 | 4.92982606 | 4.786712313 |
| TBL1X | ENSG00000101849.15 | 6.09083009 | 3.437735901 | 4.505739583 |
| L2HGDH | ENSG00000087299.11 | 3.67360927 | 3.001147931 | 3.425578663 |
| ITPKC | ENSG00000086544.2 | 3.511195393 | 3.810440762 | 4.063815227 |
| NANP | ENSG00000170191.4 | 3.754768677 | 3.715622784 | 2.738136675 |
| MOCS1 | ENSG00000124615.17 | 3.475201808 | 3.585982786 | 3.073793653 |
| TRIM39 | ENSG00000204599.14 | 3.424104279 | 3.147983112 | 3.564244748 |
| TSHZ1 | ENSG00000179981.9 | 4.705894189 | 3.823328695 | 5.549579455 |
| ZDHHC18 | ENSG00000204160.11 | 3.401475145 | 3.799597291 | 3.479221204 |
| EFCAB7 | ENSG00000203965.12 | 4.020920191 | 3.472327283 | 3.833338473 |
| CCNG2 | ENSG00000138764.14 | 3.575834135 | 3.883460636 | 4.231139148 |
| SEPT7P2 | ENSG00000214765.8 | 3.92233022 | 4.494760769 | 3.908808049 |

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| EIF3C | ENSG00000184110.14 | 4.386929055 | 3.62481243 | 4.095780424 |
| NOL3 | ENSG00000140939.14 | 4.638324909 | 2.793369544 | 5.041887405 |
| FANCE | ENSG00000112039.3 | 3.463760653 | 2.831793391 | 2.97601021 |
| RAB4A | ENSG00000168118.11 | 4.176766047 | 2.949122266 | 4.30121931 |
| EVI5L | ENSG00000142459.8 | 2.831081488 | 3.122923995 | 3.047444187 |
| CBFA2T2 | ENSG00000078699.21 | 2.943465647 | 3.192725104 | 4.046299927 |
| FUT10 | ENSG00000172728.15 | 2.961282479 | 3.450944017 | 3.057869794 |
| NAIF1 | ENSG00000171169.8 | 4.685944201 | 4.204781752 | 3.385490827 |
| FADS2 | ENSG00000134824.13 | 4.192551417 | 2.740070735 | 3.250874154 |
| KIF21A | ENSG00000139116.18 | 4.750447373 | 4.721176381 | 2.762656081 |
| ZNRF2P1 | ENSG00000237004.3 | 2.765153074 | 2.681900334 | 3.085256412 |
| AC135977.1 | ENSG00000226268.3 | 3.109147165 | 3.215869929 | 3.61609534 |
| DAGLB | ENSG00000164535.14 | 4.499755668 | 4.158551882 | 3.084818599 |
| IKZF5 | ENSG00000095574.11 | 4.350020381 | 3.311954395 | 3.877112354 |
| PEX2 | ENSG00000164751.14 | 4.214302271 | 3.349922478 | 3.991154084 |
| PXMP4 | ENSG00000101417.11 | 2.702236157 | 2.818341266 | 3.933500479 |
| TAF1A | ENSG00000143498.17 | 4.807669064 | 3.275464001 | 2.876451853 |
| PGGT1B | ENSG00000164219.9 | 3.669313367 | 2.726162636 | 3.237630121 |
| TBC1D22B | ENSG00000065491.8 | 2.745706647 | 3.928007335 | 3.862580604 |
| TMEM199 | ENSG00000244045.12 | 4.786518039 | 4.94752868 | 4.852409403 |
| ISG15 | ENSG00000187608.8 | 3.180070589 | 4.674521031 | 2.789650842 |
| SDSL | ENSG00000139410.14 | 3.265097339 | 4.854058067 | 3.214304089 |
| NUDT16L1 | ENSG00000168101.14 | 3.287883049 | 3.493376555 | 3.094342579 |
| CBLB | ENSG00000114423.18 | 3.273316283 | 3.487630981 | 3.508561368 |
| PRDM2 | ENSG00000116731.22 | 4.36049524 | 3.906384362 | 4.68681095 |
| RTN2 | ENSG00000125744.11 | 4.337577109 | 3.21568404 | 3.816058434 |
| PIGL | ENSG00000108474.16 | 3.43357701 | 2.918222016 | 3.481769704 |
| DDX20 | ENSG00000064703.11 | 4.211099007 | 3.276555537 | 2.725222571 |
| SUV39H2 | ENSG00000152455.15 | 4.511208568 | 3.267522208 | 3.369993274 |
| MPLKIP | ENSG00000168303.6 | 3.162106198 | 3.812143961 | 3.187022545 |
| C15orf40 | ENSG00000169609.13 | 3.676389538 | 3.137752414 | 2.896836064 |
| HOXC9 | ENSG00000180806.4 | 4.036679743 | 3.33076696 | 3.021120695 |
| FHL1 | ENSG00000022267.16 | 3.73922085 | 4.358473667 | 3.482235133 |
| HELZ2 | ENSG00000130589.16 | 3.846916488 | 4.172326914 | 2.849245384 |
| SDCCAG8 | ENSG00000054282.15 | 4.952016216 | 3.028802874 | 4.503856358 |
| CCDC126 | ENSG00000169193.11 | 3.285005328 | 3.396221817 | 3.639082009 |
| CCNJL | ENSG00000135083.14 | 4.595745448 | 3.183723766 | 3.452455066 |
| ZCCHC6 | ENSG00000083223.17 | 4.272896525 | 4.743218868 | 3.112418151 |
| C11orf1 | ENSG00000137720.7 | 4.616498595 | 3.131570482 | 4.419470704 |
| WDR37 | ENSG00000047056.14 | 3.534599516 | 2.994079618 | 4.557212343 |
| ZNF346 | ENSG00000113761.11 | 4.303360917 | 2.910021328 | 3.046857477 |
| STIL | ENSG00000123473.15 | 4.703415181 | 3.618662096 | 2.750669132 |
| STEAP1 | ENSG00000164647.8 | 2.834082363 | 5.362491805 | 3.690992503 |
| FAXDC2 | ENSG00000170271.10 | 3.80077211 | 2.975547546 | 4.445871827 |
| SMCR8 | ENSG00000176994.10 | 4.739057706 | 4.004919048 | 4.999303318 |
| NHLRC2 | ENSG00000196865.4 | 4.160193407 | 3.122937978 | 3.895645112 |

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| SLX4 | ENSG00000188827.10 | 3.654706607 | 2.65558514 | 3.074287164 |
| ZNRF2 | ENSG00000180233.10 | 2.840688985 | 3.935809608 | 3.446817275 |
| PLPP1 | ENSG00000067113.16 | 4.6006532 | 3.682233329 | 2.74882356 |
| ZNHIT2 | ENSG00000174276.6 | 5.151470472 | 4.356546309 | 3.336233807 |
| CRYBB2P1 | ENSG00000100058.12 | 3.22457072 | 4.556610866 | 4.684286263 |
| SESN1 | ENSG00000080546.13 | 3.710243428 | 4.442359237 | 4.374958261 |
| KBTBD6 | ENSG00000165572.7 | 4.248935694 | 3.535151441 | 2.698650277 |
| AC073857.1 | ENSG00000280120.1 | 3.336006345 | 3.342055828 | 4.330116284 |
| MRAS | ENSG00000158186.12 | 3.942280189 | 3.72671007 | 3.743589528 |
| LRRC23 | ENSG00000010626.14 | 3.703423597 | 3.749706752 | 4.633691773 |
| WDR83 | ENSG00000123154.11 | 4.549715331 | 3.142948919 | 3.062048803 |
| FBXL14 | ENSG00000171823.6 | 3.951179584 | 3.022444301 | 4.807651521 |
| BTBD19 | ENSG00000222009.8 | 3.774418261 | 4.898112274 | 3.482008068 |
| RIC1 | ENSG00000107036.11 | 4.320598402 | 3.717789254 | 3.264002652 |
| HOXA5 | ENSG00000106004.4 | 4.72885417 | 3.617708838 | 2.795704225 |
| ZNF350 | ENSG00000256683.6 | 3.039539594 | 3.540315678 | 3.468338723 |
| NPHP1 | ENSG00000144061.12 | 3.282298032 | 3.082249778 | 3.519336794 |
| DDHD1 | ENSG00000100523.14 | 3.160184445 | 2.90334535 | 3.196417921 |
| EGR1 | ENSG00000120738.7 | 5.398224173 | 4.75121772 | 6.670394954 |
| FASTKD3 | ENSG00000124279.11 | 4.591221967 | 4.372139047 | 2.684038319 |
| PCGF6 | ENSG00000156374.14 | 5.085047164 | 3.147170284 | 3.588125307 |
| C19orf47 | ENSG00000160392.13 | 4.164010757 | 4.092882995 | 3.128943841 |
| STK26 | ENSG00000134602.15 | 4.201597251 | 4.89719747 | 4.364799832 |
| SLC9A3R2 | ENSG00000065054.13 | 6.811710682 | 4.824970961 | 2.728135355 |
| HOXC6 | ENSG00000197757.7 | 4.295767771 | 3.857901118 | 3.351404439 |
| RASA2 | ENSG00000155903.11 | 4.114485506 | 4.11606708 | 3.830975772 |
| NRBP2 | ENSG00000185189.17 | 3.27228487 | 5.452870831 | 3.030441146 |
| PRMT9 | ENSG00000164169.12 | 3.458153643 | 3.060748346 | 3.239453399 |
| CDCA4 | ENSG00000170779.10 | 5.728497234 | 5.3230053 | 2.85082784 |
| DZIP1L | ENSG00000158163.14 | 2.700619648 | 3.53651953 | 2.798938037 |
| CCDC159 | ENSG00000183401.11 | 2.690445415 | 3.357002828 | 4.161440151 |
| DHX58 | ENSG00000108771.12 | 3.090664572 | 3.798654491 | 4.438267273 |
| EME2 | ENSG00000197774.12 | 3.748577692 | 3.647668354 | 3.303847143 |
| GPR161 | ENSG00000143147.14 | 4.324427179 | 6.341965095 | 2.888997909 |
| LRRC37B | ENSG00000185158.12 | 2.93620583 | 3.706745383 | 3.932532803 |
| FKBPL | ENSG00000204315.3 | 3.907224286 | 3.586720081 | 2.678284746 |
| PLK4 | ENSG00000142731.10 | 4.519537318 | 3.449727337 | 2.667464878 |
| VLDLR | ENSG00000147852.15 | 3.752893666 | 5.220719734 | 4.52382792 |
| HGH1 | ENSG00000235173.6 | 3.855121873 | 2.917611615 | 2.804351921 |
| LBHD1 | ENSG00000162194.12 | 4.364963534 | 3.988302874 | 3.015500603 |
| ZNF184 | ENSG00000096654.15 | 3.465603199 | 2.68329678 | 3.379359388 |
| ATXN7L1 | ENSG00000146776.14 | 2.801426777 | 3.788772303 | 3.433204931 |
| HLA-F | ENSG00000204642.13 | 3.063628559 | 4.410331912 | 5.489947982 |
| MCM10 | ENSG00000065328.16 | 5.222778532 | 2.932332519 | 2.661013139 |
| PAWR | ENSG00000177425.10 | 4.270603722 | 3.996568351 | 4.58772522 |
| SLC26A11 | ENSG00000181045.14 | 3.281087186 | 4.47451506 | 5.144584156 |

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| CKMT2-AS1 | ENSG00000247572.7 | 3.987092725 | 4.21296992 | 4.824837661 |
| UMAD1 | ENSG00000219545.11 | 3.234287656 | 3.514744224 | 3.560857441 |
| HAUS5 | ENSG00000249115.8 | 3.939999524 | 3.674630647 | 2.642414443 |
| TUBD1 | ENSG00000108423.14 | 3.428347116 | 2.726957421 | 2.91345951 |
| ACSS1 | ENSG00000154930.14 | 4.61517603 | 5.860704878 | 2.714076124 |
| PDSS2 | ENSG00000164494.11 | 3.854851158 | 3.893863338 | 3.216848704 |
| SHPK | ENSG00000197417.7 | 3.393579442 | 3.303769911 | 3.49509505 |
| DNAJC17 | ENSG00000104129.9 | 4.613059963 | 3.832244168 | 3.339677548 |
| LINC00847 | ENSG00000245060.6 | 3.195014751 | 2.730354632 | 5.058262731 |
| TBC1D22A | ENSG00000054611.13 | 4.232382055 | 4.697814362 | 4.516997568 |
| RNF38 | ENSG00000137075.17 | 4.377458254 | 3.831723253 | 4.140712156 |
| IRS2 | ENSG00000185950.8 | 6.990491353 | 5.306907605 | 5.610716061 |
| GTDC1 | ENSG00000121964.14 | 2.920814337 | 3.149078415 | 3.847947966 |
| FAM122A | ENSG00000187866.8 | 3.40760675 | 3.916381109 | 2.821059911 |
| ZUFSP | ENSG00000153975.9 | 3.873048287 | 3.571189071 | 3.492685345 |
| CEP68 | ENSG00000011523.13 | 3.085444019 | 3.25849818 | 3.118870053 |
| ARHGAP32 | ENSG00000134909.18 | 3.770808053 | 3.325825473 | 5.384751725 |
| AGFG2 | ENSG00000106351.12 | 3.181428003 | 2.93846049 | 2.814091823 |
| DCP2 | ENSG00000172795.15 | 3.579255837 | 2.983346923 | 3.946961968 |
| PDPK1 | ENSG00000140992.18 | 4.0501557 | 2.918826917 | 4.589783875 |
| GPR89A | ENSG00000117262.18 | 2.994424312 | 3.819456956 | 2.883850785 |
| ASB1 | ENSG00000065802.11 | 3.399442748 | 3.29799038 | 4.014729566 |
| FRMD4A | ENSG00000151474.21 | 7.282680279 | 7.15464244 | 5.796815462 |
| MTBP | ENSG00000172167.7 | 4.346536057 | 3.340554059 | 2.676992611 |
| MAP1LC3A | ENSG00000101460.12 | 4.136494445 | 4.050162292 | 2.708683143 |
| HYLS1 | ENSG00000198331.10 | 4.865005858 | 2.761779377 | 3.195127184 |
| ARMCX6 | ENSG00000198960.10 | 2.875779145 | 4.546108665 | 4.148369657 |
| DHRS1 | ENSG00000157379.13 | 3.487070316 | 3.718183386 | 2.696467691 |
| BTN3A2 | ENSG00000186470.13 | 3.528509436 | 4.026855626 | 3.642075824 |
| TRAF6 | ENSG00000175104.14 | 2.751286269 | 3.471927036 | 3.790250334 |
| SUV39H1 | ENSG00000101945.16 | 4.648071094 | 3.452027071 | 3.091638748 |
| RAB21 | ENSG00000080371.5 | 3.750859242 | 3.581165359 | 2.712621532 |
| GOLGA8A | ENSG00000175265.17 | 3.757349628 | 5.004779237 | 2.811715408 |
| CNBD2 | ENSG00000149646.12 | 3.744246988 | 2.78364713 | 3.045803544 |
| CH17-340M2 | ENSG00000197180.2 | 2.804652286 | 2.754476364 | 3.137870072 |
| DDX12P | ENSG00000214826.5 | 2.984901267 | 2.919292612 | 2.93250457 |
| RBMS2 | ENSG00000076067.12 | 3.580754976 | 3.219581755 | 2.638718956 |
| SCD5 | ENSG00000145284.11 | 2.681361856 | 4.432818384 | 4.27170244 |
| AADAT | ENSG00000109576.13 | 4.753137703 | 2.676531328 | 3.160327072 |
| PEX7 | ENSG00000112357.12 | 3.308017444 | 2.718209641 | 2.961275734 |
| MBD5 | ENSG00000204406.12 | 2.765624802 | 3.941219548 | 3.640972348 |
| MDN1 | ENSG00000112159.11 | 4.025926058 | 4.104874542 | 2.585910562 |
| WHAMM | ENSG00000156232.7 | 2.786393867 | 2.837713419 | 3.256949963 |
| PGAP3 | ENSG00000161395.13 | 3.275339311 | 2.687637468 | 4.026148984 |
| ARNT2 | ENSG00000172379.20 | 5.936795407 | 5.053674464 | 6.298629601 |
| OGFOD2 | ENSG00000111325.16 | 4.114181522 | 3.244171246 | 5.076635381 |

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| ZNF786 | ENSG00000197362.14 | 3.374671554 | 3.313510634 | 3.030183136 |
| PAQR3 | ENSG00000163291.14 | 3.732532611 | 4.294456693 | 3.951498194 |
| ISCA2 | ENSG00000165898.13 | 3.244876705 | 3.09852012 | 3.504685764 |
| VRK1 | ENSG00000100749.7 | 5.813632654 | 3.719528378 | 2.701528051 |
| AP4B1 | ENSG00000134262.12 | 4.510633875 | 3.902951275 | 2.876935156 |
| EP400NL | ENSG00000185684.13 | 3.814207784 | 3.335217703 | 4.200161556 |
| DLEU2 | ENSG00000231607.10 | 5.652783522 | 3.414160506 | 2.59125912 |
| CLDN15 | ENSG00000106404.13 | 3.403839291 | 4.36666689 | 4.206107874 |
| RABL3 | ENSG00000144840.8 | 3.444790812 | 3.594008241 | 2.653184698 |
| HEG1 | ENSG00000173706.12 | 6.177984299 | 5.015778206 | 2.619293286 |
| CHMP4A | ENSG00000254505.9 | 3.998022484 | 3.530322598 | 4.76765385 |
| ELOVL6 | ENSG00000170522.9 | 5.291798381 | 2.794121612 | 4.151416656 |
| SPATA6 | ENSG00000132122.11 | 4.524601575 | 3.033091165 | 2.83143786 |
| CBWD5 | ENSG00000147996.16 | 4.355724093 | 3.474191092 | 2.840046779 |
| TMEM198B | ENSG00000182796.13 | 4.888092301 | 3.271757865 | 3.107315805 |
| TMEM53 | ENSG00000126106.13 | 3.744544628 | 3.080426535 | 2.63634848 |
| MAP3K4 | ENSG00000085511.19 | 4.251271617 | 3.860507429 | 2.795529738 |
| PLEKHG2 | ENSG00000090924.14 | 3.933011193 | 5.418535875 | 3.340932411 |
| JAK2 | ENSG00000096968.13 | 2.724285909 | 3.62137832 | 2.977310625 |
| ZNF584 | ENSG00000171574.17 | 3.80752946 | 3.207345055 | 3.617913446 |
| PAG1 | ENSG00000076641.4 | 2.657958371 | 6.033282119 | 3.562501307 |
| ARL4D | ENSG00000175906.4 | 4.758513863 | 3.143498042 | 3.116938162 |
| DTWD2 | ENSG00000169570.9 | 3.554592511 | 3.613238105 | 3.548626172 |
| KNL1 | ENSG00000137812.19 | 5.065999939 | 3.418139637 | 2.617736322 |
| OTUD3 | ENSG00000169914.5 | 3.210890603 | 4.056390054 | 3.551591806 |
| RPL13AP25 | ENSG00000136149.6 | 4.117804508 | 3.6955834 | 3.206416571 |
| SLC25A35 | ENSG00000125434.10 | 3.453213159 | 2.938912372 | 3.129881564 |
| ZNF845 | ENSG00000213799.11 | 2.66218079 | 2.89896754 | 2.863220581 |
| ZNF707 | ENSG00000181135.15 | 3.988661938 | 4.081372602 | 3.359453931 |
| SYNGAP1 | ENSG00000197283.15 | 4.128183349 | 4.32440519 | 4.278496881 |
| FAM46A | ENSG00000112773.15 | 5.019201208 | 3.830870054 | 2.568644634 |
| EFHC1 | ENSG00000096093.15 | 3.326342131 | 3.131816601 | 3.739925367 |
| TMEM250 | ENSG00000238227.7 | 3.984087893 | 4.014072023 | 3.776064126 |
| C18orf32 | ENSG00000177576.11 | 3.012692638 | 4.615559325 | 4.018843292 |
| LIF | ENSG00000128342.4 | 4.869774323 | 5.52444083 | 8.357600869 |
| ENKD1 | ENSG00000124074.11 | 5.338431247 | 2.718291248 | 4.46665436 |
| ZNF496 | ENSG00000162714.12 | 5.366453132 | 2.69262888 | 4.402065024 |
| GCNT2 | ENSG00000111846.16 | 3.328903262 | 2.700476631 | 3.999292025 |
| SFR1 | ENSG00000156384.14 | 3.77156002 | 2.791376105 | 3.577812151 |
| ACADSB | ENSG00000196177.12 | 3.753081704 | 3.655895057 | 4.237289493 |
| AUH | ENSG00000148090.11 | 3.247377684 | 4.973639829 | 3.842205962 |
| VAV2 | ENSG00000160293.16 | 4.130774441 | 4.398368717 | 2.830882334 |
| WDFY2 | ENSG00000139668.8 | 3.49585116 | 3.333043748 | 2.625577822 |
| OSGIN1 | ENSG00000140961.12 | 2.805260156 | 4.423108843 | 4.524659695 |
| ADGRG1 | ENSG00000205336.11 | 7.137063659 | 8.403362228 | 9.585340852 |
| ZNF550 | ENSG00000251369.8 | 3.329597908 | 2.546501689 | 2.949377436 |

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| B4GALT6 | ENSG00000118276.11 | 5.14164862 | 4.686427053 | 5.292439088 |
| OCEL1 | ENSG00000099330.8 | 5.009018866 | 3.869591516 | 3.592834738 |
| ANKRD9 | ENSG00000156381.8 | 3.082763394 | 4.673803612 | 2.865884292 |
| ZNF417 | ENSG00000173480.10 | 3.171935511 | 2.794085575 | 3.209312407 |
| GAD1 | ENSG00000128683.13 | 2.658233101 | 4.2767246 | 3.651806409 |
| FANCF | ENSG00000183161.4 | 3.075073363 | 3.932958069 | 3.504892861 |
| ZNF646 | ENSG00000167395.10 | 3.853481196 | 3.082998033 | 3.193513603 |
| HS6ST1 | ENSG00000136720.6 | 3.255576409 | 3.286546531 | 2.567333911 |
| AC083799.1 | ENSG00000203644.3 | 3.836015895 | 3.052775524 | 3.450696505 |
| AP001972.5 | ENSG00000279117.1 | 2.626823151 | 3.744825473 | 5.023180608 |
| ZFP62 | ENSG00000196670.13 | 3.226217969 | 3.107473747 | 4.328834124 |
| WDR7 | ENSG00000091157.13 | 3.399865397 | 3.765244815 | 3.48856809 |
| NKAP | ENSG00000101882.9 | 4.003317131 | 3.493287495 | 3.844220661 |
| NIFK-AS1 | ENSG00000236859.6 | 3.455370501 | 3.288008596 | 2.779814951 |
| DBNDD2 | ENSG00000244274.7 | 3.281167717 | 2.654451276 | 6.27675808 |
| C17orf53 | ENSG00000125319.14 | 4.194039826 | 3.603679685 | 2.568985927 |
| SLC35A3 | ENSG00000117620.14 | 3.673632269 | 2.734878517 | 3.459808587 |
| NBEAL2 | ENSG00000160796.16 | 3.824582816 | 4.547600138 | 3.277067784 |
| AASDH | ENSG00000157426.13 | 3.865059475 | 2.783876443 | 3.084485674 |
| MTM1 | ENSG00000171100.14 | 3.580616317 | 3.480095102 | 3.018842955 |
| FANCC | ENSG00000158169.12 | 4.253351614 | 3.657201415 | 2.789058213 |
| RHEBL1 | ENSG00000167550.10 | 3.464360923 | 3.136244367 | 2.601578025 |
| METAP1D | ENSG00000172878.13 | 2.732147062 | 3.548136631 | 4.496520796 |
| FAM98C | ENSG00000130244.12 | 3.340801457 | 3.415964816 | 3.711220741 |
| UBE2D1 | ENSG00000072401.14 | 3.939962773 | 3.377399263 | 4.045730469 |
| PPIAP22 | ENSG00000198618.5 | 3.822753792 | 3.844556562 | 2.80681025 |
| FAM126B | ENSG00000155744.9 | 2.583835063 | 4.296900855 | 4.001097314 |
| GLB1L | ENSG00000163521.15 | 2.979019388 | 3.391117507 | 3.296213812 |
| SPSB2 | ENSG00000111671.9 | 4.172769501 | 3.412560515 | 3.520712668 |
| LARGE1 | ENSG00000133424.20 | 2.606000435 | 4.555081928 | 3.215426036 |
| ZNF280D | ENSG00000137871.19 | 4.985162179 | 4.341946351 | 5.097247919 |
| PIK3C2B | ENSG00000133056.13 | 3.097883218 | 4.152067388 | 3.111640663 |
| FAM57A | ENSG00000167695.14 | 4.45827932 | 3.523726995 | 2.666636849 |
| TMCO6 | ENSG00000113119.12 | 4.253237239 | 2.984663211 | 2.738896715 |
| NEK1 | ENSG00000137601.16 | 3.549361514 | 3.121336197 | 3.77988754 |
| TIMM23B | ENSG00000204152.10 | 3.2559216 | 3.056532816 | 3.256762133 |
| URB1-AS1 | ENSG00000256073.3 | 3.018766974 | 2.978457759 | 4.252764991 |
| TBPL1 | ENSG00000028839.9 | 5.068287978 | 3.154977421 | 3.431596822 |
| HBEGF | ENSG00000113070.7 | 2.695395059 | 2.590767424 | 3.330299594 |
| FBXO10 | ENSG00000147912.12 | 2.829493181 | 2.892707427 | 3.781362888 |
| PEX11A | ENSG00000166821.8 | 3.156831948 | 2.592000173 | 3.007211297 |
| AC093673.1 | ENSG00000232533.1 | 2.767410726 | 3.158145124 | 2.89412894 |
| HILPDA | ENSG00000135245.9 | 4.491114943 | 4.772072473 | 3.390598339 |
| TBCK | ENSG00000145348.16 | 3.034945602 | 2.624407362 | 3.688190636 |
| GCA | ENSG00000115271.10 | 2.601021544 | 4.634391759 | 4.345828804 |
| DGKG | ENSG00000058866.14 | 3.12920117 | 3.240160341 | 3.644421107 |

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| C19orf54 | ENSG00000188493.14 | 3.726958153 | 3.456465891 | 2.874961086 |
| ACER3 | ENSG00000078124.11 | 3.388850107 | 3.597048973 | 4.578696588 |
| MITF | ENSG00000187098.14 | 5.511926637 | 8.554122358 | 8.311537309 |
| ZNF766 | ENSG00000196214.10 | 3.037270227 | 2.993066771 | 3.108139787 |
| ERMARD | ENSG00000130023.15 | 4.166883704 | 3.076179905 | 3.844887688 |
| YDJC | ENSG00000161179.13 | 3.968471519 | 3.633970279 | 3.718372086 |
| ATP6V0E2 | ENSG00000171130.17 | 4.50460896 | 4.031207924 | 5.426061853 |
| KIAA1147 | ENSG00000257093.6 | 3.736907714 | 4.002309334 | 3.741868025 |
| NETO2 | ENSG00000171208.9 | 5.206942596 | 3.655927957 | 3.486668114 |
| WDPCP | ENSG00000143951.15 | 2.736391848 | 3.667727751 | 4.125173193 |
| ZNF160 | ENSG00000170949.17 | 3.619598159 | 3.431046363 | 3.70525133 |
| BAG2 | ENSG00000112208.11 | 3.684245407 | 2.652856158 | 3.443667334 |
| MBLAC2 | ENSG00000176055.9 | 3.79487917 | 3.23065956 | 3.962406071 |
| MKL2 | ENSG00000186260.16 | 3.390802199 | 3.183345739 | 3.886305117 |
| C9orf3 | ENSG00000148120.16 | 5.293856326 | 4.572171243 | 4.828644971 |
| PRPF40B | ENSG00000110844.13 | 4.431963823 | 4.059449113 | 4.50975677 |
| IFIT5 | ENSG00000152778.8 | 5.005790321 | 2.604143829 | 3.950059756 |
| FOXO4 | ENSG00000184481.16 | 3.733099063 | 3.839421729 | 4.369405973 |
| PDE4B | ENSG00000184588.17 | 3.123026796 | 5.616848969 | 2.694684616 |
| RMRP | ENSG00000277027.1 | 3.702250284 | 3.781351118 | 3.099767885 |
| ZNRF1 | ENSG00000186187.11 | 4.467694188 | 3.753154724 | 5.088779013 |
| HAUS2 | ENSG00000137814.10 | 3.400483225 | 4.51929852 | 3.751467471 |
| AC009403.1 | ENSG00000216895.9 | 3.063862187 | 3.01777417 | 3.191959203 |
| ACTR3B | ENSG00000133627.17 | 4.014765613 | 3.725673857 | 2.671560928 |
| IKBKE | ENSG00000263528.7 | 3.516653093 | 2.66074079 | 2.964902459 |
| NOL4L | ENSG00000197183.14 | 4.439689047 | 4.392844464 | 5.010492409 |
| NUDCD2 | ENSG00000170584.10 | 4.064415036 | 2.783636297 | 4.087726456 |
| AMMECR1 | ENSG00000101935.9 | 4.431702632 | 3.83586001 | 2.5792986 |
| STX6 | ENSG00000135823.13 | 3.845476066 | 3.990975826 | 3.071227525 |
| WASF1 | ENSG00000112290.12 | 5.481450468 | 3.658446486 | 2.651157511 |
| RP9P | ENSG00000205763.13 | 2.607206735 | 3.98290704 | 4.125296194 |
| CDK5R1 | ENSG00000176749.8 | 2.81418064 | 4.857624209 | 6.162327334 |
| AP1S3 | ENSG00000152056.16 | 2.714659071 | 5.099537362 | 4.848057998 |
| PRKX | ENSG00000183943.5 | 3.703798886 | 3.092348737 | 3.626781697 |
| BOLA2-SMG1 | ENSG00000261740.6 | 4.222577485 | 3.311868442 | 2.832744979 |
| KIAA1586 | ENSG00000168116.13 | 3.427046972 | 3.346370103 | 3.43189558 |
| AMACR | ENSG00000242110.7 | 5.334014773 | 3.612304715 | 3.4357054 |
| PRRT1 | ENSG00000204314.10 | 3.800166644 | 3.809278858 | 3.029984821 |
| FRRS1 | ENSG00000156869.12 | 2.660412701 | 2.941367272 | 2.919743725 |
| CRTC1 | ENSG00000105662.15 | 4.170931239 | 3.54289764 | 3.392647715 |
| PTBP2 | ENSG00000117569.18 | 3.97106191 | 3.021947352 | 2.933662957 |
| ARRDC2 | ENSG00000105643.9 | 4.837442995 | 4.776189274 | 3.38385615 |
| CLN8 | ENSG00000182372.9 | 3.566027244 | 3.113531031 | 3.774588919 |
| TRPM8 | ENSG00000144481.16 | 3.503092542 | 4.555007509 | 4.712971529 |
| SGMS1 | ENSG00000198964.13 | 3.248454655 | 3.054576615 | 2.779665065 |
| AC073508.3 | ENSG00000278834.1 | 3.756525877 | 3.348095792 | 3.644281735 |

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| PDCD2L | ENSG00000126249.7 | 4.422885153 | 3.838013388 | 3.475488881 |
| SNX16 | ENSG00000104497.13 | 3.476259483 | 3.138909941 | 2.971440828 |
| EPG5 | ENSG00000152223.12 | 2.889063615 | 5.203928539 | 5.188883978 |
| ZNF7 | ENSG00000147789.15 | 4.820041809 | 3.677850287 | 3.882852558 |
| BPHL | ENSG00000137274.12 | 2.600555458 | 4.426394959 | 5.028509141 |
| C15orf39 | ENSG00000167173.18 | 4.267427441 | 5.333401311 | 2.883913177 |
| HAUS8 | ENSG00000131351.14 | 4.901577448 | 4.571001477 | 2.62175625 |
| POMK | ENSG00000185900.9 | 3.269547449 | 3.076308762 | 3.013043893 |
| ZNF764 | ENSG00000169951.9 | 3.345667338 | 2.988355991 | 3.134853099 |
| LMF1 | ENSG00000103227.18 | 2.745964628 | 3.259005015 | 3.406986074 |
| MYO6 | ENSG00000196586.13 | 3.470790413 | 4.089170059 | 4.908628428 |
| PBX3 | ENSG00000167081.16 | 4.645815693 | 3.814378376 | 3.353009556 |
| BCAM | ENSG00000187244.10 | 2.972252015 | 2.799700645 | 2.64388014 |
| SAYSD1 | ENSG00000112167.9 | 3.342639153 | 2.623671665 | 4.372121529 |
| GLI4 | ENSG00000250571.6 | 4.662621078 | 4.002279768 | 3.51100121 |
| ASB9 | ENSG00000102048.15 | 4.761536355 | 2.759775315 | 2.913893706 |
| MTMR3 | ENSG00000100330.15 | 3.399902671 | 4.128846423 | 4.811455554 |
| ZNF283 | ENSG00000167637.16 | 3.508350747 | 2.792806607 | 3.38035951 |
| ABHD14A | ENSG00000248487.8 | 4.344366278 | 3.796513918 | 2.614348768 |
| NMT2 | ENSG00000152465.17 | 3.420717332 | 3.14243112 | 2.699751642 |
| MT-TY | ENSG00000210144.1 | 4.936280999 | 5.38497966 | 4.398851924 |
| TDRKH | ENSG00000182134.15 | 4.358926045 | 4.294035864 | 4.297713657 |
| MEIS3P1 | ENSG00000179277.9 | 3.300246187 | 3.201441816 | 3.28613437 |
| PHLDB3 | ENSG00000176531.10 | 3.877489359 | 3.597852675 | 3.701401332 |
| NME3 | ENSG00000103024.7 | 3.951915093 | 3.180447446 | 3.426723631 |
| ESCO2 | ENSG00000171320.14 | 4.22493711 | 3.709275831 | 2.492063949 |
| SLC36A4 | ENSG00000180773.14 | 3.755212619 | 2.617828489 | 3.086386591 |
| SKIL | ENSG00000136603.13 | 4.81522726 | 4.559512069 | 3.683028519 |
| SLC25A16 | ENSG00000122912.14 | 2.847770553 | 4.787206604 | 3.517236423 |
| KREMEN1 | ENSG00000183762.12 | 2.541142888 | 5.319854238 | 4.895987959 |
| FAM213B | ENSG00000157870.14 | 2.780655927 | 3.597773016 | 3.955967243 |
| OLMALINC | ENSG00000235823.2 | 4.798419104 | 2.658307716 | 3.896887432 |
| ETS2 | ENSG00000157557.11 | 4.364297667 | 2.73383866 | 3.806684707 |
| PSAT1 | ENSG00000135069.13 | 8.42326301 | 7.943547252 | 7.687825571 |
| KLHL23 | ENSG00000213160.9 | 3.063079692 | 3.705325041 | 4.358610126 |
| LIN52 | ENSG00000205659.10 | 3.587064004 | 3.411233883 | 3.147891255 |
| DTWD1 | ENSG00000104047.14 | 4.235155062 | 3.768764739 | 3.359568204 |
| C11orf95 | ENSG00000188070.9 | 4.31664089 | 4.18950231 | 3.436829412 |
| ARHGEF9 | ENSG00000131089.15 | 4.106104367 | 2.741417841 | 3.062638463 |
| DNLZ | ENSG00000213221.4 | 4.989937547 | 4.575307584 | 4.125057265 |
| ZNF302 | ENSG00000089335.20 | 3.186424489 | 3.528049147 | 3.069339879 |
| SPOPL | ENSG00000144228.8 | 2.986397088 | 3.191013073 | 4.343110687 |
| AP001372.2 | ENSG00000254837.2 | 2.654398008 | 2.854622494 | 3.97955333 |
| RAB3A | ENSG00000105649.9 | 4.35895014 | 5.607099372 | 5.369859774 |
| ST6GALNAC6 | ENSG00000160408.14 | 3.224821965 | 3.735235756 | 2.672455139 |
| DNMT3A | ENSG00000119772.16 | 2.780195797 | 3.813073209 | 4.750905915 |

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| GEMIN8 | ENSG00000046647.13 | 3.879900908 | 2.571107295 | 3.916974905 |
| HELQ | ENSG00000163312.10 | 3.119787652 | 3.024520578 | 2.799084941 |
| COMTD1 | ENSG00000165644.10 | 3.529835698 | 4.436960762 | 4.099779369 |
| MFSD8 | ENSG00000164073.10 | 3.367925695 | 3.222902591 | 2.811082402 |
| FGFRL1 | ENSG00000127418.14 | 6.018850091 | 4.352565476 | 3.852387017 |
| THUMPD2 | ENSG00000138050.14 | 3.201823836 | 3.2740898 | 2.592611342 |
| ZKSCAN2 | ENSG00000155592.15 | 3.526194325 | 3.127315018 | 3.425514586 |
| PRKAR2B | ENSG00000005249.12 | 5.570977609 | 4.535181424 | 3.359889834 |
| NCOA7 | ENSG00000111912.19 | 5.248771983 | 2.797939654 | 4.55833851 |
| DBP | ENSG00000105516.10 | 4.612643905 | 3.874482404 | 5.246351965 |
| ZNF81 | ENSG00000197779.13 | 2.817511773 | 2.840147496 | 2.764818477 |
| RRAS | ENSG00000126458.3 | 4.522573178 | 5.439469875 | 2.969549586 |
| FCHSD2 | ENSG00000137478.14 | 4.539260774 | 4.20853674 | 3.872844176 |
| IL17RA | ENSG00000177663.13 | 3.194846034 | 3.527940343 | 3.211900725 |
| ZNF197 | ENSG00000186448.14 | 4.179628785 | 3.66898599 | 4.635680569 |
| AC108010.1 | ENSG00000242588.5 | 2.624513856 | 4.098533118 | 4.06412963 |
| USP45 | ENSG00000123552.17 | 3.23100936 | 3.271607499 | 2.874238873 |
| ARHGAP19 | ENSG00000213390.10 | 4.57875591 | 3.163923698 | 3.641982482 |
| ZNF432 | ENSG00000256087.6 | 3.213639261 | 4.228726165 | 2.626672537 |
| FAM76B | ENSG00000077458.12 | 4.625950958 | 2.675400166 | 4.317863341 |
| TRIM62 | ENSG00000116525.13 | 5.478527933 | 6.242827142 | 2.61859194 |
| CMIP | ENSG00000153815.16 | 4.148089853 | 4.861001192 | 3.552430529 |
| POLE2 | ENSG00000100479.12 | 4.292140024 | 2.652133744 | 2.934935492 |
| RGS12 | ENSG00000159788.18 | 2.941322254 | 2.683810537 | 8.587292405 |
| USP18 | ENSG00000184979.9 | 2.52199318 | 3.458577764 | 3.722769277 |
| HES6 | ENSG00000144485.10 | 2.801347888 | 7.018879565 | 3.741720598 |
| ZNF672 | ENSG00000171161.12 | 4.853212688 | 3.830713216 | 3.318021688 |
| MTHFD2L | ENSG00000163738.18 | 3.542358032 | 3.522513697 | 3.025935131 |
| IFIH1 | ENSG00000115267.5 | 2.696856381 | 4.15712489 | 4.500631702 |
| CDC42SE2 | ENSG00000158985.13 | 3.982138645 | 3.405837376 | 3.954727186 |
| PARS2 | ENSG00000162396.5 | 3.55861531 | 3.08480381 | 2.492917143 |
| ADARB1 | ENSG00000197381.15 | 3.111863755 | 3.345819422 | 5.790986358 |
| LIN7B | ENSG00000104863.11 | 2.524525981 | 3.706954519 | 3.483700495 |
| ZNF566 | ENSG00000186017.14 | 3.86580071 | 2.690733972 | 2.713603835 |
| SASS6 | ENSG00000156876.9 | 4.877702602 | 3.161595283 | 2.531490055 |
| NRAV | ENSG00000248008.2 | 3.650990748 | 3.927719419 | 4.158138298 |
| MANEAL | ENSG00000185090.14 | 4.278391424 | 3.020840083 | 3.79434168 |
| TMEM170A | ENSG00000166822.12 | 4.246019665 | 3.689197217 | 3.97026192 |
| CAMK4 | ENSG00000152495.10 | 3.704549568 | 2.546044683 | 3.775239052 |
| CAMKMT | ENSG00000143919.14 | 3.412716808 | 3.70802846 | 2.580824414 |
| FBXO4 | ENSG00000151876.12 | 3.771028611 | 3.112189564 | 2.455928205 |
| ZNF703 | ENSG00000183779.6 | 2.470151383 | 7.69603509 | 7.178552187 |
| PGAP1 | ENSG00000197121.14 | 2.494730924 | 3.548849835 | 3.425845454 |
| AC090204.1 | ENSG00000247134.6 | 2.762663236 | 4.901773241 | 3.993621328 |
| POLR2J3 | ENSG00000168255.19 | 3.334969367 | 3.973504295 | 3.570100649 |
| BEX4 | ENSG00000102409.9 | 3.511186773 | 5.405395796 | 6.928886643 |

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| KAZN | ENSG00000189337.16 | 2.500144533 | 5.024531469 | 6.391381647 |
| AC005912.1 | ENSG00000227081.5 | 4.258902137 | 3.347163904 | 2.662864478 |
| ZNF26 | ENSG00000198393.7 | 3.57782874 | 2.961524694 | 2.994804936 |
| CPS1 | ENSG00000021826.14 | 3.808599627 | 4.417634659 | 2.583415591 |
| WDR20 | ENSG00000140153.17 | 3.399629072 | 3.262177474 | 2.633308557 |
| MFSD13A | ENSG00000138111.14 | 2.941362132 | 2.617239023 | 3.140630165 |
| ACOT13 | ENSG00000112304.10 | 2.486775161 | 4.082774174 | 3.934409111 |
| ST6GALNAC4 | ENSG00000136840.18 | 4.576090175 | 4.818554942 | 2.558110824 |
| GPHN | ENSG00000171723.15 | 3.905976123 | 2.698758865 | 3.532170996 |
| ZNF649 | ENSG00000198093.10 | 3.12262187 | 3.102127651 | 2.561115174 |
| RAC3 | ENSG00000169750.8 | 3.549222007 | 4.671365725 | 4.817086833 |
| BARD1 | ENSG00000138376.10 | 2.969661931 | 2.594329509 | 2.625311006 |
| METTL16 | ENSG00000127804.12 | 4.433080949 | 3.413450699 | 4.022617276 |
| LIN37 | ENSG00000267796.7 | 3.694888043 | 4.255233102 | 3.79414819 |
| DCLRE1B | ENSG00000118655.4 | 4.098332825 | 3.242692956 | 2.639058394 |
| MMP15 | ENSG00000102996.4 | 3.78866603 | 2.489668889 | 3.665880362 |
| POLR3F | ENSG00000132664.11 | 4.43694643 | 4.330370251 | 3.011191737 |
| KDM4B | ENSG00000127663.14 | 4.047400467 | 4.293972721 | 4.052164689 |
| ZNF765 | ENSG00000196417.12 | 3.009831423 | 3.045760972 | 3.080548761 |
| OPHN1 | ENSG00000079482.12 | 4.546457673 | 5.494060056 | 2.578393751 |
| USF3 | ENSG00000176542.9 | 3.409109624 | 3.10861637 | 3.138431883 |
| WWC2 | ENSG00000151718.15 | 3.947209583 | 3.449254877 | 3.932818602 |
| KRCC1 | ENSG00000172086.7 | 3.727495274 | 4.122526438 | 3.276247038 |
| GPR157 | ENSG00000180758.11 | 2.702419869 | 4.40827852 | 3.347184803 |
| AC008560.1 | ENSG00000253251.2 | 3.047025189 | 2.518801948 | 3.165785593 |
| TTC12 | ENSG00000149292.16 | 3.70762885 | 2.773592813 | 3.003551831 |
| PJA1 | ENSG00000181191.11 | 3.642125504 | 4.639999305 | 4.525708217 |
| MSRB2 | ENSG00000148450.12 | 2.491152294 | 4.290150152 | 6.170795573 |
| ZNF836 | ENSG00000196267.12 | 2.649471014 | 2.670043202 | 3.193042341 |
| GORAB | ENSG00000120370.12 | 4.489913163 | 3.474139801 | 3.990291017 |
| BBC3 | ENSG00000105327.17 | 3.649705509 | 3.677014466 | 5.434500109 |
| ZNF45 | ENSG00000124459.11 | 4.372716578 | 2.526545301 | 3.213977349 |
| ERN1 | ENSG00000178607.15 | 2.458396742 | 3.147625879 | 5.301435856 |
| C12orf29 | ENSG00000133641.17 | 5.321930049 | 3.976455379 | 2.455025655 |
| SLC24A1 | ENSG00000074621.13 | 3.174630847 | 2.94457474 | 3.833347474 |
| SLF1 | ENSG00000133302.12 | 4.698359938 | 2.651106802 | 3.009344305 |
| ZBED3 | ENSG00000132846.5 | 3.962711513 | 2.487014733 | 3.703835508 |
| BACE1 | ENSG00000186318.16 | 5.340999008 | 2.426994736 | 2.983613744 |
| TPM3P9 | ENSG00000241015.2 | 3.377626127 | 3.501936545 | 2.675902336 |
| FAM109A | ENSG00000198324.13 | 3.33404991 | 3.315735534 | 2.692960912 |
| HMGNS | ENSG00000198157.10 | 2.733065499 | 4.804830722 | 3.439155082 |
| POLI | ENSG00000101751.10 | 3.258857447 | 3.568877736 | 3.658132417 |
| LINC-PINT | ENSG00000231721.6 | 3.238192923 | 3.885977874 | 4.382386525 |
| CD82 | ENSG00000085117.11 | 2.727022704 | 5.338674345 | 6.186417011 |
| ZNF544 | ENSG00000198131.13 | 4.810578581 | 3.283462885 | 3.402289025 |
| ORC1 | ENSG00000085840.12 | 5.52858481 | 4.106313164 | 2.495468528 |

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| ARG2 | ENSG00000081181.7 | 4.452812308 | 2.748353822 | 4.623058812 |
| SESTD1 | ENSG00000187231.13 | 3.042958488 | 4.262541905 | 2.485160097 |
| KAZALD1 | ENSG00000107821.14 | 4.350030659 | 3.30423153 | 2.67887846 |
| CKB | ENSG00000166165.12 | 5.710345615 | 5.935344883 | 4.475794817 |
| AC091729.3 | ENSG00000229043.2 | 3.686507735 | 3.715528673 | 2.744431331 |
| PDE7A | ENSG00000205268.10 | 3.950341203 | 2.612586388 | 3.542702691 |
| MXD4 | ENSG00000123933.16 | 4.206031442 | 3.600566218 | 4.893693601 |
| ADCK5 | ENSG00000173137.11 | 2.75299465 | 3.421285234 | 2.512475063 |
| RAB11FIP1 | ENSG00000156675.15 | 3.288945899 | 3.464097458 | 4.086219729 |
| ZNF749 | ENSG00000186230.6 | 4.21218442 | 2.459350003 | 4.820673777 |
| HIVEP3 | ENSG00000127124.14 | 5.583004918 | 2.495541981 | 3.321249594 |
| FOSL2 | ENSG00000075426.11 | 3.004646836 | 6.8948074 | 3.478090999 |
| PGM3 | ENSG00000013375.15 | 4.221511923 | 4.359631643 | 4.120831481 |
| OSBPL5 | ENSG00000021762.19 | 3.581970676 | 4.671281429 | 3.234571507 |
| CREB3L4 | ENSG00000143578.15 | 4.845344842 | 3.92984926 | 2.946196769 |
| TTPAL | ENSG00000124120.10 | 3.379981645 | 2.929271779 | 3.079006072 |
| ZNF365 | ENSG00000138311.15 | 3.463407103 | 3.324906978 | 4.548952959 |
| SPAG1 | ENSG00000104450.12 | 3.690100797 | 4.143849722 | 4.155827981 |
| DHODH | ENSG00000102967.11 | 4.636460321 | 4.08947771 | 3.569604012 |
| SCAMP5 | ENSG00000198794.11 | 3.906236241 | 4.771686662 | 2.834185074 |
| HOXB4 | ENSG00000182742.5 | 3.931354251 | 2.759245223 | 3.978503977 |
| PRDM10 | ENSG00000170325.14 | 3.019556086 | 2.706884298 | 2.599154987 |
| BORCS6 | ENSG00000196544.7 | 3.257150353 | 2.855902657 | 2.417189128 |
| NAPEPLD | ENSG00000161048.11 | 2.962087125 | 3.073483838 | 2.665555318 |
| SNORA8 | ENSG00000207304.1 | 4.543564796 | 2.777623921 | 4.867056879 |
| ARIH1 | ENSG00000166233.14 | 3.421102625 | 3.707452839 | 3.558741743 |
| TOGARAM1 | ENSG00000198718.12 | 3.143205205 | 2.86827422 | 3.108033306 |
| MAPK11 | ENSG00000185386.14 | 2.823900564 | 4.545738731 | 4.168075244 |
| ACSF2 | ENSG00000167107.12 | 2.580402832 | 6.540943739 | 4.073273754 |
| NAPB | ENSG00000125814.17 | 2.631387264 | 3.809328712 | 2.648464461 |
| TIGD6 | ENSG00000164296.6 | 2.908451922 | 2.506763343 | 2.477078992 |
| EEF1AKMT2 | ENSG00000203791.14 | 4.136239898 | 2.421274497 | 3.902215665 |
| FAHD2B | ENSG00000144199.11 | 3.629458127 | 6.200324366 | 5.379158638 |
| SLC9A6 | ENSG00000198689.10 | 2.619789573 | 3.001965487 | 3.283086946 |
| GRK5 | ENSG00000198873.11 | 5.215497458 | 3.445453863 | 3.701355439 |
| ARL5B | ENSG00000165997.4 | 4.385335617 | 3.678906967 | 4.191392411 |
| TMEM116 | ENSG00000198270.12 | 3.478625968 | 2.924367185 | 2.478992691 |
| PYGO1 | ENSG00000171016.11 | 3.535499253 | 3.087393953 | 3.732425327 |
| RFX7 | ENSG00000181827.14 | 4.130547769 | 3.380986521 | 3.560810353 |
| MT-TD | ENSG00000210154.1 | 2.960058382 | 5.519089953 | 3.661366815 |
| RPP14 | ENSG00000163684.11 | 3.556940119 | 3.413580393 | 2.67588358 |
| ATAD2B | ENSG00000119778.14 | 3.024291355 | 2.980892817 | 2.411445479 |
| NSUN5P2 | ENSG00000106133.17 | 3.404064647 | 3.859087914 | 3.275245723 |
| PTGR2 | ENSG00000140043.11 | 3.051713528 | 2.484443331 | 2.998748998 |
| PMS2P3 | ENSG00000127957.17 | 3.468145547 | 4.01894136 | 3.390765353 |
| SLC44A1 | ENSG00000070214.15 | 5.727951354 | 6.737886045 | 2.547666971 |

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| ABTB1 | ENSG00000114626.17 | 3.94651162 | 4.278347272 | 4.47507433 |
| SMAD1 | ENSG00000170365.9 | 3.848407141 | 2.58384874 | 3.722872381 |
| AC016747.1 | ENSG00000212978.6 | 3.638513127 | 4.172778474 | 2.479224708 |
| SGK494 | ENSG00000167524.14 | 3.708783595 | 4.477387279 | 3.883904931 |
| ZNF780B | ENSG00000128000.15 | 3.172951004 | 3.146014209 | 3.252889865 |
| ZC3H12C | ENSG00000149289.10 | 2.435874666 | 3.009438082 | 4.840357691 |
| MSANTD2 | ENSG00000120458.10 | 3.587144915 | 2.432637427 | 3.036552931 |
| ZNF322 | ENSG00000181315.10 | 2.589291988 | 2.623567121 | 3.878338083 |
| TCF20 | ENSG00000100207.18 | 3.465471173 | 3.861302467 | 3.808943415 |
| ZNF767P | ENSG00000133624.13 | 3.263488305 | 3.146613218 | 3.497538637 |
| C16orf87 | ENSG00000155330.9 | 4.457108848 | 2.493271826 | 3.229970081 |
| ALPK1 | ENSG00000073331.17 | 3.813167285 | 2.497369441 | 5.003383496 |
| ZNF559 | ENSG00000188321.13 | 3.109897405 | 4.237932556 | 3.754786886 |
| WFS1 | ENSG00000109501.13 | 2.996521403 | 3.528348714 | 7.34105711 |
| METTL15 | ENSG00000169519.20 | 3.142217813 | 3.279687812 | 4.191933873 |
| BBS9 | ENSG00000122507.20 | 3.082360685 | 4.298347271 | 4.79413706 |
| CEP57L1 | ENSG00000183137.14 | 3.394310187 | 3.331341569 | 2.545656223 |
| FBXW9 | ENSG00000132004.12 | 5.186811866 | 3.101027181 | 2.688685338 |
| DCLRE1C | ENSG00000152457.17 | 2.846056526 | 3.310498482 | 3.588453249 |
| DLG5 | ENSG00000151208.16 | 4.767673908 | 2.4411213 | 4.068921548 |
| FHL2 | ENSG00000115641.18 | 5.089824358 | 5.507967638 | 6.51838856 |
| DNA2 | ENSG00000138346.14 | 4.335629009 | 2.508273829 | 2.801330924 |
| ZNF319 | ENSG00000166188.2 | 2.904527664 | 2.425901577 | 3.493531255 |
| MCPH1 | ENSG00000147316.12 | 3.998835935 | 2.414127581 | 4.23549067 |
| SFT2D3 | ENSG00000173349.5 | 2.483035633 | 3.104240781 | 2.908942043 |
| FAM172A | ENSG00000113391.18 | 4.036752994 | 3.381818132 | 4.652170873 |
| PARP11 | ENSG00000111224.13 | 2.582954031 | 2.599340829 | 3.923045602 |
| PCYOX1L | ENSG00000145882.10 | 3.349085151 | 3.057395382 | 3.06814502 |
| NIPSNAP3A | ENSG00000136783.9 | 4.333856355 | 4.548277461 | 2.380800864 |
| C15orf41 | ENSG00000186073.11 | 3.43820335 | 3.109680422 | 3.298401082 |
| NAA30 | ENSG00000139977.13 | 3.27171828 | 3.597545747 | 3.679109471 |
| TARSL2 | ENSG00000185418.15 | 2.473977948 | 3.673345605 | 3.819452515 |
| ROR1 | ENSG00000185483.11 | 2.513046283 | 3.108791583 | 2.861458463 |
| TTK | ENSG00000112742.9 | 5.091107651 | 3.668418689 | 2.52146958 |
| PIGV | ENSG00000060642.10 | 3.769813338 | 3.651320527 | 3.080125317 |
| EHHADH | ENSG00000113790.10 | 2.432297551 | 4.300854299 | 3.193938882 |
| FAM76A | ENSG00000009780.15 | 3.23353544 | 3.280674944 | 2.537914053 |
| DFFB | ENSG00000169598.15 | 3.247375305 | 3.449335295 | 2.519469583 |
| SPAST | ENSG00000021574.11 | 3.421445244 | 2.823013643 | 3.108515948 |
| BTBD6 | ENSG00000184887.13 | 4.825638659 | 5.203119414 | 2.614403399 |
| CLK4 | ENSG00000113240.12 | 3.533441207 | 2.514964365 | 3.286542285 |
| PRKCZ | ENSG00000067606.16 | 4.512495757 | 5.442881247 | 5.472597815 |
| PHF7 | ENSG00000010318.20 | 3.70750072 | 4.046774474 | 2.967885266 |
| ANTXR1 | ENSG00000169604.19 | 5.72582189 | 6.643814109 | 2.607559608 |
| FRAT2 | ENSG00000181274.6 | 5.098667967 | 3.345196883 | 3.460513612 |
| PKK1 | ENSG00000152256.13 | 3.086317252 | 2.663046687 | 3.782155171 |

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| HLA-DMB | ENSG00000242574.8 | 5.086285983 | 3.60610316 | 2.959348715 |
| NR1H3 | ENSG00000025434.18 | 3.785174681 | 3.771006385 | 2.873901109 |
| CPVL | ENSG00000106066.14 | 4.447474546 | 6.334946166 | 5.933688365 |
| ZNF275 | ENSG00000063587.13 | 2.813310011 | 4.349141625 | 3.24908751 |
| UBE2Q2P2 | ENSG00000259429.5 | 2.88045944 | 2.565889243 | 4.513980575 |
| HTRA1 | ENSG00000166033.11 | 7.2304314 | 7.044412273 | 2.474150963 |
| ZNF292 | ENSG00000188994.12 | 2.99913062 | 2.495227268 | 2.743545546 |
| TRMT61A | ENSG00000166166.12 | 4.091255815 | 3.683375983 | 2.433295059 |
| AJUBA | ENSG00000129474.15 | 3.865531427 | 2.378270546 | 3.39062403 |
| UPRT | ENSG00000094841.13 | 3.707281788 | 2.994799338 | 3.451297563 |
| TNNT1 | ENSG00000105048.16 | 3.637520255 | 4.718528375 | 3.183554387 |
| DET1 | ENSG00000140543.14 | 3.278388639 | 2.868518742 | 3.250611543 |
| PARP8 | ENSG00000151883.17 | 3.760235775 | 3.809123108 | 4.433777126 |
| NPDC1 | ENSG00000107281.9 | 5.351127016 | 6.539095698 | 4.994406475 |
| KCTD21 | ENSG00000188997.7 | 2.412810864 | 3.742094686 | 3.277146101 |
| DBT | ENSG00000137992.14 | 3.325143969 | 2.869309873 | 2.390007605 |
| PELI1 | ENSG00000197329.11 | 4.927805843 | 4.465710379 | 4.446305699 |
| PTER | ENSG00000165983.14 | 2.86012693 | 2.521028819 | 4.35494891 |
| WASH4P | ENSG00000234769.7 | 3.003609714 | 2.929691386 | 2.532008307 |
| PXYLP1 | ENSG00000155893.12 | 7.396730445 | 2.989141234 | 3.018024844 |
| ZBTB39 | ENSG00000166860.2 | 3.679611178 | 3.065603644 | 2.707230142 |
| MSC | ENSG00000178860.8 | 4.125366375 | 2.426422592 | 5.135778603 |
| PMS2CL | ENSG00000187953.10 | 3.336776969 | 3.833480446 | 3.311826289 |
| TMEM132A | ENSG00000006118.14 | 4.678244527 | 5.482441131 | 2.401222183 |
| CSRNP1 | ENSG00000144655.14 | 3.793593985 | 2.847759484 | 2.942637692 |
| AC139887.2 | ENSG00000249592.5 | 3.030674713 | 2.556679079 | 4.432960984 |
| ITPR3 | ENSG00000096433.10 | 6.231738505 | 5.492416398 | 5.588309835 |
| MTRF1L | ENSG00000112031.15 | 4.342138489 | 4.170706692 | 3.113387192 |
| EVA1C | ENSG00000166979.12 | 2.609787172 | 4.068695059 | 2.803602783 |
| GTF2IP1 | ENSG00000277053.4 | 3.743114412 | 3.190705457 | 2.853776359 |
| MAPK8 | ENSG00000107643.15 | 3.613358745 | 2.883681834 | 2.695276499 |
| AC090498.1 | ENSG00000279483.2 | 4.738729247 | 3.889935532 | 2.712152781 |
| SIX5 | ENSG00000177045.7 | 4.804351922 | 3.260096362 | 2.537733412 |
| TRMO | ENSG00000136932.13 | 3.610620572 | 3.469728616 | 2.615610625 |
| ELAC1 | ENSG00000141642.8 | 3.340578879 | 3.164316557 | 2.636125906 |
| VPS13B | ENSG00000132549.18 | 3.307950895 | 3.276243491 | 3.615076457 |
| FOXD3-AS1 | ENSG00000230798.5 | 4.602028994 | 3.993524719 | 4.373574639 |
| C8orf82 | ENSG00000213563.6 | 3.730374079 | 2.74328945 | 4.027279374 |
| ITPR2 | ENSG00000123104.11 | 4.005556768 | 4.893964936 | 5.402349203 |
| C1orf21 | ENSG00000116667.12 | 3.290192495 | 4.057297881 | 4.061698001 |
| FAAP24 | ENSG00000131944.9 | 3.266759386 | 2.47679609 | 3.106331627 |
| RALGAPA1 | ENSG00000174373.16 | 3.342871958 | 3.301001411 | 3.735415116 |
| C14orf159 | ENSG00000133943.20 | 3.867675487 | 3.315206704 | 2.788477977 |
| ZBED8 | ENSG00000221886.3 | 3.359559896 | 2.877209496 | 3.232014606 |
| LINC01128 | ENSG00000228794.8 | 4.003058401 | 3.838644479 | 3.854544369 |
| LINC00909 | ENSG00000264247.1 | 3.347212425 | 3.189012286 | 3.511615834 |

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| BBS5 | ENSG00000163093.11 | 2.409641932 | 5.625617656 | 4.515352325 |
| ZNF211 | ENSG00000121417.13 | 3.255289866 | 2.431871522 | 3.380800755 |
| L3HYPDH | ENSG00000126790.11 | 4.57207933 | 4.0464744 | 2.768832082 |
| TMEM67 | ENSG00000164953.15 | 4.043826426 | 4.763976689 | 2.390327313 |
| ZNF616 | ENSG00000204611.6 | 3.017822873 | 3.603205537 | 2.700427 |
| ZBTB22 | ENSG00000236104.2 | 3.276820242 | 3.449131478 | 3.870116809 |
| ARHGEF10L | ENSG00000074964.16 | 2.553670415 | 3.653654312 | 3.570924882 |
| SERTAD1 | ENSG00000197019.4 | 3.963968044 | 3.452055247 | 3.663961259 |
| ASMTL | ENSG00000169093.15 | 3.194408147 | 3.665874335 | 3.914214901 |
| CEP135 | ENSG00000174799.10 | 4.24016229 | 2.49603981 | 2.425854448 |
| CITED1 | ENSG00000125931.10 | 2.463465142 | 3.951081948 | 3.836924743 |
| NMNAT1 | ENSG00000173614.13 | 3.081785786 | 3.960798375 | 2.349437711 |
| ZDBF2 | ENSG00000204186.7 | 2.44969199 | 3.667083333 | 3.381398336 |
| DGKQ | ENSG00000145214.13 | 3.625771399 | 3.695286637 | 5.94141295 |
| HFE | ENSG00000010704.18 | 3.002298086 | 3.21130571 | 2.954609435 |
| DNAAF2 | ENSG00000165506.14 | 4.059883501 | 3.082585639 | 2.95361845 |
| DENND5B | ENSG00000170456.15 | 4.585005092 | 4.085220994 | 2.423592494 |
| ANKRD49 | ENSG00000168876.8 | 3.453145052 | 2.952968485 | 3.004612526 |
| GRPEL2 | ENSG00000164284.14 | 4.245005123 | 3.167591317 | 4.085300868 |
| IFT140 | ENSG00000187535.13 | 4.288371004 | 3.196395762 | 4.3148578 |
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| DOPEY2 | ENSG00000142197.12 | 2.526889146 | 3.168011448 | 4.220485169 |
| ZGRF1 | ENSG00000138658.15 | 3.514602587 | 2.774827608 | 2.566800873 |
| LCORL | ENSG00000178177.15 | 3.541753175 | 2.672589395 | 6.227184737 |
| TMEM65 | ENSG00000164983.7 | 2.336235824 | 2.535719649 | 3.847533991 |
| CHST3 | ENSG00000122863.5 | 4.067560227 | 2.485235578 | 3.32183336 |
| TK2 | ENSG00000166548.15 | 3.478754606 | 2.642913753 | 5.146678565 |
| Y_RNA | ENSG00000200090.1 | 2.952641807 | 2.880624422 | 3.273702846 |
| WDR89 | ENSG00000140006.11 | 3.856457171 | 2.525827543 | 3.771789202 |
| CHAC1 | ENSG00000128965.11 | 4.731200354 | 4.450052069 | 4.94925622 |
| RGL1 | ENSG00000143344.15 | 3.392746596 | 3.167416389 | 3.933899869 |
| IPPK | ENSG00000127080.9 | 4.352843996 | 4.228779785 | 2.354384144 |
| ZNF354A | ENSG00000169131.11 | 4.706895965 | 2.718379126 | 4.214356458 |
| CASP8AP2 | ENSG00000118412.12 | 4.00836874 | 3.17462169 | 2.372308436 |
| UBA6-AS1 | ENSG00000248049.6 | 2.858821052 | 2.900084172 | 4.209243394 |
| BHLHE41 | ENSG00000123095.5 | 2.392100938 | 6.999235886 | 5.487067322 |
| CTSK | ENSG00000143387.12 | 5.842389976 | 2.385411716 | 2.630193561 |
| HEXDC | ENSG00000169660.15 | 3.46687395 | 3.216990863 | 4.127621347 |
| TMEM62 | ENSG00000137842.6 | 4.211563505 | 4.246959326 | 4.395915771 |
| MIF4GD | ENSG00000125457.13 | 4.260362473 | 4.185320996 | 4.033070395 |
| CINP | ENSG00000100865.14 | 4.823980224 | 5.128173837 | 2.841568632 |
| SERPINB8 | ENSG00000166401.14 | 3.502842177 | 3.693238306 | 4.546708682 |
| TBX3 | ENSG00000135111.15 | 6.058293569 | 3.179474797 | 2.378992188 |
| MOCOS | ENSG00000075643.5 | 5.809269457 | 5.523559188 | 4.012965432 |
| HSCB | ENSG00000100209.9 | 3.743255901 | 4.094592023 | 4.027714736 |
| VTI1A | ENSG00000151532.13 | 4.504616781 | 3.858713714 | 4.425639168 |

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| INO80D | ENSG00000114933.15 | 2.418183475 | 2.965545961 | 3.023872997 |
| C11orf80 | ENSG00000173715.15 | 3.834036091 | 3.274831863 | 4.254089374 |
| HSF2 | ENSG00000025156.12 | 3.421203819 | 3.366117465 | 3.133620116 |
| GALNT10 | ENSG00000164574.15 | 4.3038423 | 4.195506206 | 4.048931614 |
| PITPNC1 | ENSG00000154217.14 | 5.707446835 | 2.786664505 | 3.173914953 |
| ATP9B | ENSG00000166377.19 | 2.571554828 | 4.193389997 | 4.399292589 |
| ADAMTSL5 | ENSG00000185761.10 | 2.335840238 | 3.899637158 | 3.254529078 |
| SESN2 | ENSG00000130766.4 | 4.543993277 | 4.583644634 | 5.609283348 |
| RNASET2 | ENSG00000026297.15 | 2.742482016 | 3.50238416 | 4.465667556 |
| HECA | ENSG00000112406.4 | 3.603475592 | 2.669574068 | 3.040324987 |
| RGS14 | ENSG00000169220.17 | 2.601587555 | 4.73078197 | 5.011215277 |
| ZNF83 | ENSG00000167766.18 | 4.032257629 | 4.767856785 | 5.225519565 |
| SNORD83A | ENSG00000209482.1 | 3.746440084 | 3.877552928 | 2.565682119 |
| IER5L | ENSG00000188483.7 | 4.760424933 | 4.629296514 | 2.714146571 |
| ADPRM | ENSG00000170222.11 | 4.090079293 | 2.31900917 | 3.853764995 |
| ITPK1 | ENSG00000100605.16 | 6.571656201 | 5.889394714 | 2.955769057 |
| ARAP3 | ENSG00000120318.15 | 5.392952366 | 4.688959644 | 4.743251606 |
| C16orf62 | ENSG00000103544.14 | 5.892638301 | 4.256862504 | 2.547937563 |
| GTF2H2 | ENSG00000145736.14 | 3.549376106 | 2.641980366 | 3.842971025 |
| C7orf31 | ENSG00000153790.11 | 2.498394721 | 3.961626391 | 4.526390954 |
| PAXIP1-AS1 | ENSG00000273344.1 | 2.377026004 | 4.161952532 | 3.66496688 |
| CENPC | ENSG00000145241.10 | 3.83002793 | 2.683817625 | 3.049372597 |
| EEFSEC | ENSG00000132394.10 | 4.054432063 | 4.187508412 | 3.665842973 |
| ITGA2 | ENSG00000164171.10 | 5.068525691 | 3.190271117 | 2.767412642 |
| PHF8 | ENSG00000172943.19 | 4.773323687 | 3.979815007 | 4.252265051 |
| SOCS2 | ENSG00000120833.13 | 3.941549577 | 3.960756967 | 2.495421666 |
| TMEM234 | ENSG00000160055.19 | 3.149021399 | 3.402992503 | 2.916752029 |
| CEP128 | ENSG00000100629.16 | 2.882868663 | 2.53885026 | 3.692681982 |
| TET3 | ENSG00000187605.15 | 4.135391844 | 2.910102474 | 2.420536697 |
| JUN | ENSG00000177606.6 | 2.939598065 | 2.2834036 | 2.965818884 |
| MTCL1 | ENSG00000168502.17 | 3.100194556 | 4.577256022 | 2.457891996 |
| PRR5 | ENSG00000186654.20 | 2.691788382 | 5.036480573 | 4.844922157 |
| METTL8 | ENSG00000123600.19 | 2.709216094 | 3.965243391 | 3.024668346 |
| ZDHHC12 | ENSG00000160446.18 | 4.346989486 | 5.173942107 | 2.694096877 |
| ZNF251 | ENSG00000198169.8 | 4.148837762 | 2.942235632 | 2.947045261 |
| JAZF1 | ENSG00000153814.11 | 3.762814088 | 5.335955392 | 2.493197454 |
| PPM1K | ENSG00000163644.14 | 2.72022384 | 2.418010569 | 3.314727825 |
| ZNF256 | ENSG00000152454.3 | 2.502931718 | 2.396726128 | 3.213990423 |
| MIATNB | ENSG00000244625.5 | 2.3017355 | 3.025707643 | 3.440026886 |
| FAM111B | ENSG00000189057.10 | 4.649567862 | 2.35910055 | 3.505013985 |
| SUFU | ENSG00000107882.11 | 4.634284636 | 3.511684056 | 2.726266043 |
| ATP10D | ENSG00000145246.13 | 3.214399832 | 2.804349528 | 5.730165417 |
| ZNF557 | ENSG00000130544.11 | 3.396113413 | 3.125130811 | 2.322080262 |
| ATXN1 | ENSG00000124788.17 | 3.884006839 | 3.886818072 | 5.12805833 |
| EIF5A2 | ENSG00000163577.7 | 2.432335391 | 4.503998017 | 4.411961988 |
| FAHD1 | ENSG00000180185.11 | 4.882381248 | 6.178510403 | 5.732057379 |

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| NBPF8 | ENSG00000270231.3 | 2.83984265 | 3.40547715 | 2.303800146 |
| UVSSA | ENSG00000163945.16 | 3.832174328 | 3.041876798 | 5.617500904 |
| GSE1 | ENSG00000131149.18 | 4.31729055 | 3.242942992 | 3.005950467 |
| MCEE | ENSG00000124370.10 | 3.09785255 | 4.0967622 | 2.326330806 |
| CDKN2AIP | ENSG00000168564.5 | 4.860331529 | 3.040963627 | 4.133097978 |
| L3MBTL3 | ENSG00000198945.7 | 2.929536569 | 3.649709179 | 2.594092839 |
| TNRC6C | ENSG00000078687.17 | 3.117643096 | 2.680608064 | 3.005574223 |
| MED18 | ENSG00000130772.13 | 4.295571053 | 4.61136159 | 4.424305499 |
| CHRN1 | ENSG00000170175.10 | 3.569526516 | 2.844510335 | 3.764734454 |
| AC005562.1 | ENSG00000214719.11 | 3.663324125 | 2.990131913 | 3.786497823 |
| RIN3 | ENSG00000100599.15 | 3.688807765 | 2.87530604 | 3.114289275 |
| MRPL42 | ENSG00000198015.12 | 4.052000784 | 3.822249093 | 2.43406975 |
| SAMD8 | ENSG00000156671.12 | 2.951294415 | 3.385901911 | 3.737374851 |
| C16orf59 | ENSG00000162062.14 | 3.709667132 | 3.984538347 | 2.412713658 |
| RDH10 | ENSG00000121039.9 | 4.064516775 | 2.882908282 | 2.318061943 |
| TMEM177 | ENSG00000144120.12 | 3.307436101 | 3.613904212 | 2.684613524 |
| PGBD1 | ENSG00000137338.5 | 2.354718355 | 2.872994046 | 2.970740889 |
| TMEM107 | ENSG00000179029.14 | 4.149888636 | 2.723882546 | 2.3897247 |
| STK32C | ENSG00000165752.16 | 4.266877598 | 2.338473878 | 4.016721837 |
| GAB1 | ENSG00000109458.8 | 2.320189154 | 2.764788837 | 2.963735776 |
| A1BG | ENSG00000121410.11 | 2.75392525 | 3.227813174 | 3.797639273 |
| ZNF468 | ENSG00000204604.9 | 3.971219296 | 3.390480695 | 3.796448027 |
| GPR153 | ENSG00000158292.6 | 5.513325545 | 3.538446656 | 3.842233616 |
| BOLA3-AS1 | ENSG00000225439.2 | 3.159444967 | 2.899991483 | 3.101357275 |
| AL121832.2 | ENSG00000273619.1 | 3.381286971 | 2.474989203 | 2.990166113 |
| TLDC1 | ENSG00000140950.15 | 3.714506244 | 3.860945539 | 3.75316802 |
| ZBED1 | ENSG00000214717.11 | 3.668316612 | 2.688113724 | 4.423021365 |
| BCL2 | ENSG00000171791.12 | 2.366982226 | 4.089050544 | 3.160501043 |
| ST3GAL3 | ENSG00000126091.19 | 3.039643596 | 2.435486135 | 2.851459967 |
| HLA-DPB1 | ENSG00000223865.10 | 5.711296184 | 2.433246179 | 4.473627136 |
| MED29 | ENSG00000063322.13 | 5.767538674 | 5.862857759 | 4.338458889 |
| KMT5C | ENSG00000133247.13 | 3.785521764 | 2.785979851 | 3.611822258 |
| PRR4 | ENSG00000111215.11 | 3.647502595 | 3.009339227 | 4.628388745 |
| EXOC6 | ENSG00000138190.16 | 4.107636107 | 2.730818812 | 4.793777047 |
| SNHG25 | ENSG00000266402.3 | 5.034261945 | 3.410520533 | 4.072032491 |
| ZNF446 | ENSG00000083838.15 | 3.772185074 | 3.057113239 | 3.084433462 |
| GMEB1 | ENSG00000162419.12 | 3.846592391 | 2.957399798 | 2.673233777 |
| TMEM185A | ENSG00000269556.7 | 3.239749191 | 3.432072031 | 3.10861969 |
| ZNF567 | ENSG00000189042.13 | 2.433761887 | 3.143694628 | 2.682571236 |
| ZNF213-AS1 | ENSG00000263072.6 | 3.507048747 | 3.445510038 | 2.757251628 |
| KCTD11 | ENSG00000213859.4 | 3.256287562 | 2.296396285 | 2.517498604 |
| CNIH3 | ENSG00000143786.7 | 3.836191009 | 5.331247485 | 5.245680855 |
| ZNF586 | ENSG00000083828.15 | 4.241690408 | 2.528204282 | 3.788583334 |
| ASAP3 | ENSG00000088280.18 | 4.935173971 | 3.553497127 | 3.63659344 |
| ZNF430 | ENSG00000118620.12 | 3.898769337 | 3.058536772 | 3.152431171 |
| AC215219.1 | ENSG00000226210.3 | 3.483420998 | 3.425842368 | 5.109428387 |

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| JADE1 | ENSG00000077684.15 | 4.459908897 | 2.438001084 | 3.514829347 |
| TMEM143 | ENSG00000161558.10 | 2.565007121 | 2.584465183 | 2.642749054 |
| ARID3A | ENSG00000116017.10 | 2.680183032 | 4.590664418 | 4.196109298 |
| LYN | ENSG00000254087.7 | 3.666499402 | 3.492950229 | 3.648210934 |
| PPP1R3B | ENSG00000173281.4 | 2.383113157 | 4.208496533 | 3.934208543 |
| FBXO16 | ENSG00000214050.7 | 2.457774762 | 3.842915474 | 2.593917491 |
| MAPKAPK5-A | ENSG00000234608.7 | 3.282699482 | 2.977270783 | 2.711033612 |
| ZCCHC2 | ENSG00000141664.9 | 2.60730317 | 3.264559372 | 2.866638808 |
| TRIM5 | ENSG00000132256.18 | 2.998152726 | 3.489630588 | 2.921980017 |
| CTU1 | ENSG00000142544.6 | 3.791044213 | 3.227379904 | 2.803927217 |
| APLP1 | ENSG00000105290.11 | 2.452797368 | 5.111536024 | 2.751884099 |
| CLCN2 | ENSG00000114859.15 | 4.02173656 | 4.123984281 | 2.468549396 |
| PWWP2B | ENSG00000171813.13 | 3.320193103 | 2.561398364 | 3.43688906 |
| RAD51B | ENSG00000182185.18 | 2.346447505 | 3.236575528 | 4.135462404 |
| ANKMY1 | ENSG00000144504.15 | 2.547359276 | 3.527669662 | 4.187877085 |
| PLEKHA3 | ENSG00000116095.10 | 2.294618905 | 2.920942153 | 3.544246884 |
| CTGF | ENSG00000118523.5 | 5.108737072 | 2.343378758 | 4.718237797 |
| THBS3 | ENSG00000169231.13 | 4.464252586 | 4.074714598 | 3.451042614 |
| TSC22D3 | ENSG00000157514.16 | 2.325173248 | 2.954585369 | 4.985422631 |
| CYB5RL | ENSG00000215883.10 | 2.250619004 | 2.942006583 | 3.126227466 |
| COL16A1 | ENSG00000084636.17 | 5.342484273 | 2.397651169 | 3.816412346 |
| IL16 | ENSG00000172349.17 | 2.674832585 | 4.55847414 | 6.641515673 |
| FOXO3 | ENSG00000118689.14 | 2.715396071 | 2.80873453 | 3.177306002 |
| KIAA1551 | ENSG00000174718.11 | 3.84453128 | 3.01013927 | 2.369412409 |
| THG1L | ENSG00000113272.13 | 4.318125881 | 2.288571655 | 3.339224123 |
| ATXN7 | ENSG00000163635.17 | 3.686286767 | 3.340563043 | 3.024598484 |
| ZNF18 | ENSG00000154957.13 | 3.108586528 | 2.47094088 | 3.045932734 |
| GUSBP1 | ENSG00000183666.16 | 4.191251231 | 3.669561018 | 3.173358676 |
| TEF | ENSG00000167074.14 | 3.057731679 | 2.865393217 | 4.571518493 |
| PRUNE1 | ENSG00000143363.15 | 4.474551706 | 3.80224248 | 3.166612266 |
| MYL5 | ENSG00000215375.6 | 3.959490962 | 2.715807759 | 3.56209528 |
| AL359915.2 | ENSG00000231365.5 | 3.877147961 | 2.51956282 | 2.273425787 |
| SPA17 | ENSG00000064199.6 | 3.643304044 | 2.213214014 | 3.613218989 |
| PLPP3 | ENSG00000162407.8 | 4.166870425 | 5.453151058 | 2.300303082 |
| E2F5 | ENSG00000133740.10 | 3.427944078 | 3.878450588 | 2.732165699 |
| ATG16L2 | ENSG00000168010.10 | 2.640805596 | 2.716522293 | 2.900608037 |
| KIN | ENSG00000151657.11 | 2.375505961 | 3.623246006 | 5.093086233 |
| CCT6P1 | ENSG00000228409.6 | 3.249832795 | 2.956568162 | 2.346526232 |
| RUFY2 | ENSG00000204130.12 | 3.404205857 | 3.166634208 | 2.963626729 |
| FAM69A | ENSG00000154511.11 | 2.307562417 | 4.930350179 | 2.693751139 |
| TRIM52 | ENSG00000183718.5 | 3.506808114 | 2.321544432 | 3.474617792 |
| ZBTB34 | ENSG00000177125.5 | 3.082999462 | 3.750273419 | 2.811227044 |
| NSUN5P1 | ENSG00000223705.9 | 2.9632441 | 3.302008433 | 3.104563763 |
| HERC5 | ENSG00000138646.8 | 2.599181185 | 4.317773394 | 4.372634623 |
| AL513302.2 | ENSG00000260766.1 | 2.832593709 | 2.768845655 | 2.578212691 |
| C12orf66 | ENSG00000174206.12 | 3.215476942 | 3.441092498 | 2.934705993 |

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| GSAP | ENSG00000186088.15 | 2.772932382 | 3.864208875 | 4.078072464 |
| CHST12 | ENSG00000136213.9 | 3.133857638 | 3.471893689 | 2.581510578 |
| TIGD7 | ENSG00000140993.10 | 2.383551927 | 2.510597179 | 4.525179746 |
| TMEM120B | ENSG00000188735.12 | 3.245805507 | 3.85225142 | 3.632518255 |
| VANGL1 | ENSG00000173218.14 | 3.003253667 | 3.177024908 | 2.552861378 |
| GPR3 | ENSG00000181773.6 | 3.89725814 | 3.696190691 | 2.237620978 |
| C20orf194 | ENSG00000088854.12 | 2.193840466 | 3.786077227 | 2.381690386 |
| AC037459.3 | ENSG00000253200.1 | 3.993278928 | 4.156564288 | 2.968533608 |
| DDX60L | ENSG00000181381.13 | 2.456241526 | 3.435289276 | 3.395177134 |
| ZKSCAN4 | ENSG00000187626.8 | 2.262969758 | 2.729007728 | 2.807060055 |
| EXD2 | ENSG00000081177.18 | 3.615802037 | 4.003127639 | 4.114380984 |
| SNHG21 | ENSG00000250988.7 | 4.103933931 | 2.814164498 | 2.501823533 |
| ZNF213 | ENSG00000085644.13 | 3.749883418 | 3.159273136 | 3.062574349 |
| ZBTB45 | ENSG00000119574.12 | 4.483694583 | 3.782010505 | 3.577877255 |
| SRD5A1 | ENSG00000145545.11 | 3.603305849 | 3.887673145 | 2.506087106 |
| CBARP | ENSG00000099625.12 | 2.605876172 | 3.777646882 | 3.184188594 |
| ATP6V1E2 | ENSG00000250565.6 | 3.973551655 | 2.25582383 | 6.565214086 |
| VCPKMT | ENSG00000100483.13 | 2.625992284 | 2.582464355 | 2.710561746 |
| PYCR3 | ENSG00000104524.13 | 4.846721274 | 3.967811938 | 2.325827888 |
| ELP4 | ENSG00000109911.18 | 3.924552553 | 3.753000209 | 3.49787615 |
| SEC14L2 | ENSG00000100003.17 | 4.381706197 | 3.303087872 | 4.44249704 |
| FZD1 | ENSG00000157240.3 | 4.948720964 | 4.250128182 | 2.230224997 |
| TRIM47 | ENSG00000132481.6 | 4.830859702 | 5.188953428 | 5.878299534 |
| USP30 | ENSG00000135093.12 | 3.00088969 | 2.951424014 | 2.952754836 |
| DIRAS1 | ENSG00000176490.4 | 3.659140815 | 5.375941047 | 6.306504455 |
| ZSCAN30 | ENSG00000186814.13 | 2.452556023 | 3.658159232 | 4.206051415 |
| IQCG | ENSG00000114473.13 | 2.724175188 | 3.276627376 | 2.306788157 |
| AL355309.1 | ENSG00000214748.2 | 3.566897277 | 2.431280142 | 2.886043756 |
| TRIM16 | ENSG00000221926.11 | 4.709648832 | 2.97590049 | 3.35538752 |
| ZBTB7B | ENSG00000160685.13 | 3.96883241 | 4.348652316 | 3.443180848 |
| ZNF564 | ENSG00000249709.7 | 3.436703701 | 2.565166332 | 3.296803301 |
| ZNF16 | ENSG00000170631.14 | 3.170482798 | 2.509564161 | 3.12583043 |
| ADCY1 | ENSG00000164742.14 | 2.275451234 | 7.954674002 | 5.848756423 |
| PRTG | ENSG00000166450.12 | 3.419302406 | 3.855808216 | 4.512409928 |
| FBXL8 | ENSG00000135722.8 | 3.002462521 | 2.653973271 | 2.582566901 |
| TNFRSF14 | ENSG00000157873.17 | 2.24007473 | 8.477132699 | 8.757246009 |
| C5orf34 | ENSG00000172244.8 | 4.328034715 | 3.780589016 | 2.341750528 |
| DLEU1 | ENSG00000176124.11 | 3.214625697 | 2.265092758 | 3.845592985 |
| PPP2R3B | ENSG00000167393.17 | 3.688193151 | 2.476367035 | 3.763409255 |
| LYRM7 | ENSG00000186687.15 | 4.402827065 | 3.151799794 | 4.283899861 |
| CCDC107 | ENSG00000159884.11 | 2.70060591 | 3.795010297 | 2.344544554 |
| C19orf44 | ENSG00000105072.8 | 3.873193407 | 3.334455498 | 2.61451233 |
| RABL2B | ENSG00000079974.17 | 3.838773691 | 3.605457679 | 3.535214224 |
| GNAI1 | ENSG00000127955.15 | 3.268751439 | 4.869382182 | 5.846584552 |
| BVES | ENSG00000112276.13 | 3.159855783 | 3.860430025 | 2.250966537 |
| RNF125 | ENSG00000101695.8 | 4.503320333 | 6.047922997 | 2.960555837 |

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| ZNF236 | ENSG00000130856.15 | 2.821779058 | 3.085254967 | 2.913654444 |
| TIMM10B | ENSG00000132286.11 | 4.748242772 | 6.015447224 | 6.060680114 |
| RPGR | ENSG00000156313.12 | 4.814553775 | 2.570743492 | 3.386688704 |
| SMG1P1 | ENSG00000237296.9 | 3.055160016 | 3.1049318 | 3.306654791 |
| P3H2 | ENSG00000090530.9 | 3.445400815 | 4.971772854 | 5.731951441 |
| CCDC138 | ENSG00000163006.11 | 3.921783605 | 3.581078003 | 2.263907122 |
| BTBD7 | ENSG00000011114.14 | 3.783227298 | 3.628419521 | 2.241905867 |
| ASB16-AS1 | ENSG00000267080.5 | 3.616665576 | 2.736427218 | 2.644991458 |
| AC093323.1 | ENSG00000170846.16 | 5.034095071 | 2.415504582 | 4.978428163 |
| SLC45A3 | ENSG00000158715.5 | 4.877583087 | 2.154993775 | 2.96834557 |
| DOCK10 | ENSG00000135905.18 | 2.3769831 | 5.316602019 | 6.245514795 |
| FKTN | ENSG00000106692.13 | 4.126252196 | 4.494132978 | 2.757447247 |
| ASTE1 | ENSG00000034533.11 | 2.64739666 | 2.618231162 | 2.444262699 |
| ZFPM1 | ENSG00000179588.8 | 2.477011613 | 2.693921061 | 3.278356696 |
| MCU | ENSG00000156026.14 | 4.378890622 | 3.652710346 | 3.447371348 |
| SH3YL1 | ENSG00000035115.21 | 2.375681817 | 4.006520596 | 3.478812762 |
| GEN1 | ENSG00000178295.14 | 3.41569589 | 2.990480108 | 2.56517767 |
| SLC25A43 | ENSG00000077713.18 | 2.940486213 | 3.482273721 | 2.57427775 |
| RAB3D | ENSG00000105514.7 | 3.870903725 | 3.800904348 | 3.777285424 |
| PTCD2 | ENSG00000049883.14 | 3.345264399 | 2.815339408 | 2.35099121 |
| CPT1B | ENSG00000205560.12 | 3.968197994 | 4.60875978 | 4.635277575 |
| C11orf71 | ENSG00000180425.11 | 3.407076088 | 2.275756108 | 3.745648666 |
| ALDH6A1 | ENSG00000119711.12 | 2.549825703 | 3.372431673 | 3.573267643 |
| ZFHX3 | ENSG00000140836.15 | 4.080722616 | 3.10411499 | 3.299199045 |
| FHOD3 | ENSG00000134775.15 | 2.757220178 | 3.600567086 | 4.785137277 |
| SMPD2 | ENSG00000135587.8 | 3.53808587 | 4.842929158 | 4.980303777 |
| SEPT5 | ENSG00000184702.18 | 3.362672714 | 3.148105695 | 4.495160253 |
| ZNF529 | ENSG00000186020.12 | 3.011606817 | 3.343279298 | 3.532686102 |
| ACACB | ENSG00000076555.15 | 2.358612181 | 3.17636061 | 2.876148519 |
| KIF9 | ENSG00000088727.12 | 4.30550286 | 3.311844098 | 3.985111719 |
| ZNF614 | ENSG00000142556.18 | 3.598920594 | 2.898223495 | 2.179816568 |
| PLEKHM1P1 | ENSG00000214176.9 | 2.785056396 | 3.295688124 | 3.979239237 |
| NT5DC3 | ENSG00000111696.11 | 3.630203727 | 4.093028464 | 2.3233701 |
| AL391422.3 | ENSG00000270504.1 | 2.181158266 | 3.071889776 | 3.276752161 |
| KHDRBS3 | ENSG00000131773.13 | 3.501539772 | 3.175027045 | 2.214741718 |
| IGFBP6 | ENSG00000167779.7 | 5.388201235 | 2.371579726 | 2.213062392 |
| AC011448.1 | ENSG00000258674.5 | 5.117469604 | 4.93315131 | 3.544612204 |
| NUBPL | ENSG00000151413.16 | 2.98760038 | 3.114436487 | 3.832531317 |
| PAPD5 | ENSG00000121274.12 | 4.194066154 | 2.337372375 | 3.498299743 |
| RPGRIP1L | ENSG00000103494.12 | 3.377370073 | 2.327627028 | 3.130803976 |
| BRSK1 | ENSG00000160469.16 | 4.454208519 | 3.454488168 | 4.009538732 |
| PRICKLE3 | ENSG00000012211.12 | 3.752014082 | 4.902872164 | 4.130411647 |
| KLHL11 | ENSG00000178502.5 | 3.338774527 | 3.143772465 | 3.659228903 |
| ERAP2 | ENSG00000164308.16 | 2.232916042 | 5.305633428 | 2.162237118 |
| STOML1 | ENSG00000067221.13 | 2.826559407 | 2.806762733 | 3.366952238 |
| SLC30A4 | ENSG00000104154.6 | 2.263078592 | 2.654321242 | 2.969831797 |

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| ZNF267 | ENSG00000185947.14 | 3.398395577 | 2.590347772 | 2.885115121 |
| NUDT17 | ENSG00000186364.11 | 3.047918671 | 3.564632787 | 2.310697296 |
| STK19 | ENSG00000204344.14 | 2.984800866 | 2.437245048 | 2.762301386 |
| FAM117A | ENSG00000121104.7 | 2.158113459 | 4.231679745 | 4.004651047 |
| CCDC150 | ENSG00000144395.17 | 2.390757071 | 2.225708728 | 2.399504535 |
| RBM14-RBM4 | ENSG00000248643.5 | 2.967488232 | 2.66066525 | 3.871414829 |
| YAF2 | ENSG00000015153.14 | 4.163149969 | 3.534366554 | 2.310268518 |
| TICRR | ENSG00000140534.13 | 4.25566944 | 2.88522139 | 2.260635329 |
| SP4 | ENSG00000105866.13 | 3.119754762 | 3.170111596 | 2.686589448 |
| MAGI1 | ENSG00000151276.23 | 3.483335971 | 3.865099018 | 3.73653628 |
| ABTB2 | ENSG00000166016.5 | 4.335224486 | 3.209432403 | 3.527013578 |
| LENG1 | ENSG00000105617.3 | 4.133045097 | 2.303614931 | 4.266208162 |
| LTB4R | ENSG00000213903.8 | 2.971303739 | 2.646429673 | 2.67229292 |
| TUBB2B | ENSG00000137285.9 | 2.477764578 | 5.379465575 | 4.829380667 |
| RAB43 | ENSG00000172780.16 | 2.743470469 | 3.087496864 | 2.99981606 |
| ZBTB11-AS1 | ENSG00000256628.3 | 3.358807213 | 3.02732804 | 2.224934626 |
| CHIC1 | ENSG00000204116.11 | 2.301111485 | 3.892182874 | 3.726016374 |
| ALOX12-AS1 | ENSG00000215067.9 | 2.783619452 | 2.842112526 | 2.443632101 |
| CELSR2 | ENSG00000143126.7 | 3.630252401 | 4.00406947 | 3.796270977 |
| CDC25C | ENSG00000158402.18 | 4.327639845 | 2.296230975 | 2.872501327 |
| PEX12 | ENSG00000108733.9 | 3.92435122 | 2.935541969 | 3.798980958 |
| TAF4B | ENSG00000141384.12 | 3.755239634 | 3.4957257 | 2.259555854 |
| TBX2-AS1 | ENSG00000267280.5 | 3.8135618 | 3.739946881 | 3.096779374 |
| DUBR | ENSG00000243701.5 | 2.139492558 | 5.87610915 | 3.359538655 |
| ZBTB47 | ENSG00000114853.13 | 3.365671568 | 3.27082676 | 3.725192722 |
| BORCS5 | ENSG00000165714.10 | 3.092094087 | 3.756252532 | 4.790585044 |
| ANK2 | ENSG00000145362.17 | 3.0633187 | 3.286740361 | 4.939461516 |
| NBPF11 | ENSG00000263956.6 | 2.943269068 | 2.746121021 | 2.427138982 |
| FOXD3 | ENSG00000187140.5 | 3.961050747 | 2.757513106 | 2.274726148 |
| AP005202.1 | ENSG00000235552.4 | 5.191234416 | 3.911391613 | 3.29211406 |
| PLD6 | ENSG00000179598.5 | 2.646309196 | 2.616366199 | 3.123094323 |
| DLG4 | ENSG00000132535.18 | 5.323851301 | 4.059209662 | 3.240901831 |
| FBXO41 | ENSG00000163013.11 | 3.543597449 | 4.34635499 | 4.05655893 |
| CBX2 | ENSG00000173894.10 | 4.937003649 | 3.967321337 | 2.117099177 |
| TBC1D19 | ENSG00000109680.10 | 3.564510657 | 2.118769288 | 4.396841176 |
| FANCM | ENSG00000187790.10 | 3.180721177 | 2.422655757 | 2.124081534 |
| HOXD-AS2 | ENSG00000237380.6 | 2.374359968 | 3.397947909 | 3.09992175 |
| LRIG2 | ENSG00000198799.11 | 2.901210117 | 2.97166598 | 2.432542525 |
| MSRA | ENSG00000175806.14 | 3.77163043 | 2.21766373 | 4.522434524 |
| LINC01138 | ENSG00000274020.2 | 4.259717794 | 4.145725178 | 4.084073349 |
| SNORA63 | ENSG00000200418.1 | 3.858201757 | 4.060945711 | 2.991975774 |
| AC027307.2 | ENSG00000267317.2 | 2.6561787 | 2.648515022 | 3.748668006 |
| CASTOR2 | ENSG00000274070.1 | 2.954544049 | 2.489970818 | 2.362369235 |
| MARCH8 | ENSG00000165406.15 | 3.332794649 | 3.4350274 | 4.1211276 |
| APAF1 | ENSG00000120868.13 | 3.628479153 | 3.560677293 | 2.146486066 |
| IL27RA | ENSG00000104998.3 | 5.241669841 | 4.857796015 | 2.744589062 |

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| MRPS31P4 | ENSG00000250299.5 | 3.446669703 | 2.251793384 | 2.758833915 |
| RNF215 | ENSG00000099999.14 | 3.716849354 | 4.500831462 | 4.324455466 |
| ADGRA2 | ENSG00000020181.17 | 3.062185495 | 2.261278733 | 3.193573698 |
| ZFAT | ENSG00000066827.15 | 3.385203458 | 2.753387536 | 2.221742965 |
| RETREG1 | ENSG00000154153.13 | 4.737540219 | 4.577381055 | 5.771144491 |
| FAR2 | ENSG00000064763.10 | 3.749871865 | 3.676220093 | 3.439028421 |
| ELL2 | ENSG00000118985.15 | 2.900258919 | 2.682443637 | 2.162653411 |
| PPIP5K1 | ENSG00000168781.21 | 2.572396191 | 3.399928215 | 4.010396331 |
| LANCL2 | ENSG00000132434.9 | 3.863316024 | 3.087190161 | 2.321525995 |
| ZNF669 | ENSG00000188295.14 | 3.671226152 | 2.277333496 | 2.540411461 |
| PMS2P4 | ENSG00000067601.7 | 3.648291379 | 3.874008191 | 3.803341519 |
| HOMER1 | ENSG00000152413.14 | 4.363806719 | 3.24374002 | 3.503152265 |
| AGAP6 | ENSG00000204149.10 | 3.276817819 | 3.186725412 | 2.871908183 |
| LYSMD4 | ENSG00000183060.15 | 2.679366516 | 3.42690607 | 2.77162045 |
| GRK4 | ENSG00000125388.19 | 3.462137817 | 2.294820017 | 4.022092824 |
| REEP6 | ENSG00000115255.10 | 2.379549759 | 3.610567561 | 2.32893868 |
| GPD1L | ENSG00000152642.10 | 3.886866672 | 2.824878717 | 3.643991024 |
| AC132872.1 | ENSG00000260563.3 | 2.826632582 | 3.099437412 | 3.518618503 |
| PLEKHM3 | ENSG00000178385.14 | 2.350016375 | 3.035208169 | 2.787210132 |
| ZSCAN9 | ENSG00000137185.11 | 2.551926329 | 3.39766938 | 3.617820891 |
| SORBS1 | ENSG00000095637.21 | 2.943766684 | 5.827326069 | 4.654462783 |
| EFNB1 | ENSG00000090776.5 | 2.706825257 | 3.352558641 | 2.091644791 |
| SLC16A1-AS1 | ENSG00000226419.7 | 2.960798507 | 2.37768768 | 2.148448352 |
| ZNF549 | ENSG00000121406.8 | 2.773249552 | 2.184835326 | 3.33852076 |
| CCDC142 | ENSG00000135637.13 | 3.64164557 | 3.674178409 | 2.19087213 |
| SLC25A53 | ENSG00000269743.2 | 3.163976815 | 3.677586861 | 3.527351259 |
| DHRS4 | ENSG00000157326.18 | 3.298275855 | 3.480458533 | 2.245527062 |
| BACE1-AS | ENSG00000278768.1 | 3.169401235 | 2.313059732 | 2.987587313 |
| MOB3C | ENSG00000142961.14 | 3.157408509 | 2.748039155 | 2.374442747 |
| MANSC1 | ENSG00000111261.13 | 5.409445923 | 4.18618057 | 5.920423324 |
| LINC01003 | ENSG00000261455.1 | 3.661826778 | 3.072328239 | 2.223850568 |
| AC104662.3 | ENSG00000281501.1 | 2.756386138 | 2.63975862 | 3.998935754 |
| ZNF37BP | ENSG00000234420.7 | 3.772315607 | 2.438253125 | 2.751771146 |
| EPB41L4A-AS | ENSG00000224032.6 | 3.907235133 | 2.561361594 | 3.676919389 |
| ST20 | ENSG00000180953.11 | 4.525018383 | 4.82762659 | 2.749085506 |
| ZNF100 | ENSG00000197020.10 | 4.177738661 | 2.673715533 | 2.200388761 |
| AC009779.2 | ENSG00000258056.2 | 3.202659312 | 3.813547971 | 2.114263482 |
| TSPAN15 | ENSG00000099282.9 | 2.212179304 | 2.744039824 | 2.514349872 |
| KLHL28 | ENSG00000179454.13 | 2.907523298 | 2.272676468 | 2.810461345 |
| USP27X | ENSG00000273820.1 | 2.221824114 | 3.094191251 | 2.143336131 |
| GATS | ENSG00000239521.7 | 3.324356602 | 2.654882804 | 3.288923541 |
| CDPF1 | ENSG00000205643.10 | 2.852364726 | 3.23047052 | 3.361608671 |
| SCAMP1-AS1 | ENSG00000245556.2 | 3.173169998 | 2.635102548 | 3.674477621 |
| DGKA | ENSG00000065357.19 | 4.906649901 | 2.301560917 | 3.627092584 |
| GPRC5B | ENSG00000167191.11 | 2.242931468 | 6.030782974 | 7.330086566 |
| HOXD8 | ENSG00000175879.8 | 2.398041289 | 4.108406999 | 5.15861118 |

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| C3orf52 | ENSG00000114529.12 | 2.420857874 | 2.95510848 | 3.134124306 |
| ZNF181 | ENSG00000197841.14 | 2.726720997 | 2.74938892 | 3.408585707 |
| BTBD9 | ENSG00000183826.16 | 2.612044156 | 2.957424586 | 3.703277122 |
| NEO1 | ENSG00000067141.16 | 2.145303352 | 4.896788023 | 4.64987375 |
| BCAR3 | ENSG00000137936.16 | 5.982103663 | 4.331301222 | 2.274934711 |
| SDC1 | ENSG00000115884.10 | 4.963939639 | 4.584285062 | 2.594649845 |
| ZNF441 | ENSG00000197044.10 | 2.962378694 | 2.348667237 | 3.893029519 |
| RC3H2 | ENSG00000056586.15 | 5.544040814 | 5.361323246 | 2.399874652 |
| ZNF227 | ENSG00000131115.15 | 4.694492004 | 2.44676874 | 3.063995971 |
| UST | ENSG00000111962.7 | 2.980368706 | 3.259616393 | 4.009937921 |
| TTLL1 | ENSG00000100271.16 | 2.135773222 | 2.730047941 | 4.423589818 |
| BIN1 | ENSG00000136717.14 | 2.635723372 | 5.569407912 | 5.352896882 |
| ALMS1 | ENSG00000116127.17 | 3.779092356 | 3.141405081 | 2.25836012 |
| CPPED1 | ENSG00000103381.11 | 3.652998532 | 3.977595498 | 3.015279495 |
| BRMS1L | ENSG00000100916.13 | 3.488118632 | 2.163668827 | 3.38035677 |
| RTL10 | ENSG00000215012.8 | 2.859651834 | 3.338787792 | 2.869199285 |
| FAIM | ENSG00000158234.12 | 5.112831525 | 2.300561879 | 3.146017051 |
| SIAE | ENSG00000110013.12 | 3.3630053 | 3.659820193 | 2.203432299 |
| KDM4C | ENSG00000107077.18 | 5.025350419 | 2.874015437 | 3.548935488 |
| FZD7 | ENSG00000155760.2 | 5.380454048 | 5.510360628 | 6.836135671 |
| E2F2 | ENSG00000007968.6 | 3.63260896 | 2.250948713 | 2.292016986 |
| SAMD4A | ENSG00000020577.13 | 2.130728715 | 3.769917401 | 4.386885423 |
| EIF3J-AS1 | ENSG00000179523.4 | 3.532019759 | 2.975915133 | 3.409790819 |
| NSUN6 | ENSG00000241058.3 | 4.079093039 | 2.507494998 | 3.372099481 |
| SLC12A6 | ENSG00000140199.11 | 3.542921753 | 3.615610369 | 5.345778215 |
| SLC25A27 | ENSG00000153291.15 | 2.247943136 | 3.919015866 | 4.401534088 |
| ZNF333 | ENSG00000160961.11 | 3.054503766 | 2.80765452 | 3.393822796 |
| BTRC | ENSG00000166167.17 | 3.930397604 | 3.122956285 | 3.516387585 |
| ECE2 | ENSG00000145194.17 | 2.932286496 | 3.995983536 | 2.125950067 |
| ACP6 | ENSG00000162836.11 | 4.604099233 | 3.351242608 | 2.448830807 |
| ZNF20 | ENSG00000132010.15 | 3.118296955 | 2.612173525 | 2.632183996 |
| TRMT44 | ENSG00000155275.18 | 2.912393729 | 2.396456977 | 4.307161286 |
| GK | ENSG00000198814.12 | 2.374869102 | 3.643328555 | 4.337721357 |
| HSD17B7 | ENSG00000132196.13 | 4.214426854 | 4.792081762 | 4.304165096 |
| CCNJ | ENSG00000107443.15 | 4.143167795 | 2.986680159 | 3.613224404 |
| ZNF138 | ENSG00000197008.9 | 3.249727223 | 2.796269953 | 2.427291736 |
| SLC39A4 | ENSG00000147804.9 | 3.036300032 | 4.082319892 | 3.288494048 |
| LCOR | ENSG00000196233.13 | 4.298745575 | 3.500148985 | 4.040804702 |
| SOCS3 | ENSG00000184557.4 | 4.628162307 | 7.384666535 | 4.074714108 |
| RABL2A | ENSG00000144134.18 | 2.134536727 | 3.127412311 | 2.296023811 |
| WDR5B | ENSG00000196981.3 | 3.698211567 | 3.662924908 | 3.006924342 |
| NMI | ENSG00000123609.10 | 4.274176859 | 2.139617546 | 3.729615528 |
| ENO3 | ENSG00000108515.17 | 3.812770914 | 3.5430162 | 2.52997181 |
| ZBTB5 | ENSG00000168795.4 | 4.074116838 | 2.730278662 | 2.20435699 |
| AC018521.5 | ENSG00000264920.1 | 2.431310562 | 3.007218854 | 3.202665376 |
| ZNF175 | ENSG00000105497.7 | 2.60283561 | 2.389929622 | 2.642541305 |

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| FAM222A | ENSG00000139438.5 | 4.047788938 | 3.503426455 | 4.169735805 |
| ZNF354B | ENSG00000178338.10 | 3.378113045 | 2.19444387 | 2.986778155 |
| CLCN5 | ENSG00000171365.15 | 2.44714349 | 2.862041294 | 2.188009848 |
| ZSCAN20 | ENSG00000121903.14 | 2.279617206 | 2.711205106 | 2.081669622 |
| LINC00094 | ENSG00000235106.9 | 3.858271906 | 4.297130867 | 3.352224534 |
| DCUN1D3 | ENSG00000188215.9 | 3.143794494 | 2.790662224 | 2.534820213 |
| TP53 | ENSG00000141510.16 | 6.134078955 | 4.798138402 | 4.351399985 |
| DAG1 | ENSG00000173402.11 | 6.109326249 | 5.536445408 | 3.881579344 |
| HEMK1 | ENSG00000114735.9 | 2.81856586 | 4.333737048 | 3.370595874 |
| SYNE1 | ENSG00000131018.22 | 4.242851867 | 4.322673728 | 4.815341465 |
| TRPM4 | ENSG00000130529.15 | 3.704979807 | 4.846048486 | 3.075449594 |
| LIMD1 | ENSG00000144791.9 | 2.845320743 | 3.760988363 | 5.241627824 |
| ZNF611 | ENSG00000213020.9 | 3.249862118 | 3.548111094 | 3.765653993 |
| RGS5 | ENSG00000232995.7 | 2.736271681 | 2.526779215 | 2.196851203 |
| ATG2B | ENSG00000066739.11 | 3.348591832 | 3.249206634 | 2.048649 |
| SESN3 | ENSG00000149212.11 | 3.093914788 | 3.42722892 | 5.225181874 |
| SLC45A4 | ENSG00000022567.9 | 3.222414223 | 3.700132148 | 4.054896941 |
| ARHGAP26 | ENSG00000145819.15 | 3.316599846 | 2.389200911 | 2.41957324 |
| RASAL2 | ENSG00000075391.16 | 4.763365423 | 4.022230774 | 2.312025846 |
| OSER1-AS1 | ENSG00000223891.5 | 2.527443575 | 2.863603791 | 4.063480085 |
| CDH19 | ENSG00000071991.8 | 5.397441574 | 5.324577796 | 3.628444391 |
| ZNF273 | ENSG00000198039.11 | 2.559982069 | 2.382822363 | 2.149770511 |
| PHACTR2 | ENSG00000112419.14 | 3.092822889 | 2.80874123 | 2.508075114 |
| ZNF8 | ENSG00000278129.1 | 2.843673218 | 2.627636193 | 2.448893088 |
| AC244154.1 | ENSG00000274487.1 | 3.289661393 | 3.063284688 | 3.195982571 |
| ZNF248 | ENSG00000198105.13 | 2.383852827 | 2.440822925 | 3.111392455 |
| RSBN1 | ENSG00000081019.13 | 3.716152542 | 2.627544394 | 2.959695027 |
| GSPT2 | ENSG00000189369.8 | 4.316329192 | 4.412983466 | 2.336030301 |
| HOXB9 | ENSG00000170689.9 | 5.150092623 | 3.722908247 | 5.648595071 |
| RUSC2 | ENSG00000198853.11 | 4.45437656 | 3.611699811 | 3.645663412 |
| TAF5 | ENSG00000148835.10 | 4.261805285 | 2.143916109 | 2.135469008 |
| TST | ENSG00000128311.13 | 4.391758446 | 4.483073461 | 2.165532703 |
| CCDC102A | ENSG00000135736.5 | 3.881296544 | 2.10323756 | 3.223438535 |
| C5orf24 | ENSG00000181904.8 | 3.343278132 | 3.115093299 | 3.234404121 |
| NBPF14 | ENSG00000270629.5 | 3.339760676 | 3.347732732 | 3.06008188 |
| C1orf56 | ENSG00000143443.9 | 3.642284612 | 3.726832458 | 2.038859123 |
| DNMBP | ENSG00000107554.16 | 4.39308936 | 2.263982529 | 3.285661451 |
| TUBE1 | ENSG00000074935.13 | 4.809240892 | 3.942706464 | 4.152062335 |
| PLEKHF1 | ENSG00000166289.5 | 3.73029876 | 3.817048887 | 4.81893869 |
| ZNF808 | ENSG00000198482.11 | 2.507837972 | 3.39996336 | 3.544830709 |
| PPIC | ENSG00000168938.5 | 5.877511679 | 5.11716964 | 4.947352865 |
| LINC00839 | ENSG00000185904.11 | 4.422075852 | 3.67226738 | 4.203150594 |
| SMG1P3 | ENSG00000180747.15 | 2.592879655 | 2.986430272 | 3.529813801 |
| TUFT1 | ENSG00000143367.15 | 4.14867847 | 3.490573835 | 2.822106495 |
| DCAF4 | ENSG00000119599.16 | 3.324743659 | 3.521210549 | 4.00142161 |
| PARPBP | ENSG00000185480.11 | 5.290841463 | 4.049736538 | 2.344755306 |

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| TP53I3 | ENSG00000115129.13 | 5.125675715 | 4.101704923 | 2.094948361 |
| KIF7 | ENSG00000166813.14 | 3.424808327 | 3.844682352 | 4.18942713 |
| FBXO30 | ENSG00000118496.4 | 3.165045667 | 2.974143228 | 2.633073497 |
| FAM43A | ENSG00000185112.5 | 2.64390012 | 3.88445559 | 2.049122855 |
| AL390728.6 | ENSG00000259865.1 | 3.361640789 | 3.012147525 | 3.106756752 |
| ZNF2 | ENSG00000275111.4 | 2.239057173 | 2.317900144 | 2.534982224 |
| RAB31 | ENSG00000168461.12 | 2.551407409 | 3.944043943 | 4.027500068 |
| CCNO | ENSG00000152669.8 | 4.064467527 | 3.41238884 | 3.120410949 |
| LINC01881 | ENSG00000220804.8 | 2.515643784 | 3.341998201 | 4.256538436 |
| CBX7 | ENSG00000100307.12 | 2.662034527 | 3.616872107 | 4.052344627 |
| SCARNA9 | ENSG00000254911.3 | 2.258168996 | 2.158966953 | 5.085730896 |
| IQSEC2 | ENSG00000124313.13 | 3.56008794 | 3.683501309 | 3.390841169 |
| TTBK2 | ENSG00000128881.16 | 3.639709418 | 3.451272964 | 4.079964728 |
| IGFBP2 | ENSG00000115457.9 | 6.516141825 | 5.674726493 | 6.541227324 |
| SLC10A7 | ENSG00000120519.14 | 2.949538616 | 2.65075713 | 2.82022215 |
| NBEAL1 | ENSG00000144426.18 | 2.037590939 | 4.115234867 | 3.16414005 |
| ZNF688 | ENSG00000229809.8 | 2.387803414 | 2.546291301 | 2.285567524 |
| EXOC3-AS1 | ENSG00000221990.4 | 2.922843249 | 3.911150233 | 2.827375842 |
| GNG2 | ENSG00000186469.8 | 4.173757612 | 2.680135999 | 4.449071299 |
| POLQ | ENSG00000051341.13 | 3.490890847 | 3.551934862 | 2.053148764 |
| AL391244.1 | ENSG00000224870.6 | 2.904319352 | 2.593401977 | 2.629680801 |
| TMEM159 | ENSG00000011638.10 | 2.171918701 | 4.7250264 | 4.102468777 |
| F3 | ENSG00000117525.13 | 1.993861163 | 2.737841114 | 2.427396186 |
| HYKK | ENSG00000188266.13 | 2.4644502 | 2.777834425 | 2.714767763 |
| XYLB | ENSG00000093217.9 | 5.118876348 | 4.569816719 | 2.115354286 |
| AL118506.1 | ENSG00000268858.2 | 2.346847397 | 3.187092369 | 3.691463127 |
| RFLNB | ENSG00000183688.4 | 2.101709615 | 5.591841802 | 5.437538625 |
| LIN9 | ENSG00000183814.15 | 4.226630787 | 2.328406523 | 2.04587392 |
| SHPRH | ENSG00000146414.15 | 3.117063169 | 2.168158392 | 2.428836572 |
| ABCA7 | ENSG00000064687.12 | 2.312113757 | 3.935506456 | 3.814476656 |
| CCDC40 | ENSG00000141519.14 | 3.330554205 | 2.927645568 | 2.498975699 |
| GIN51 | ENSG00000101003.9 | 5.777074697 | 4.898096439 | 2.278456884 |
| PTCH1 | ENSG00000185920.15 | 4.605275351 | 3.867676257 | 4.344836355 |
| MED26 | ENSG00000105085.10 | 3.838504296 | 3.943351151 | 2.944194957 |
| THNSL1 | ENSG00000185875.12 | 3.384434466 | 2.054309984 | 3.733426691 |
| SNX29 | ENSG00000048471.13 | 3.584322189 | 3.326305012 | 3.842264128 |
| SUOX | ENSG00000139531.12 | 3.248970701 | 3.38780243 | 2.53875846 |
| IMMP2L | ENSG00000184903.9 | 3.646159077 | 4.618913048 | 4.124613708 |
| ZNF771 | ENSG00000179965.11 | 3.263130286 | 3.122155895 | 3.29080124 |
| HACE1 | ENSG00000085382.11 | 2.515363251 | 2.808758137 | 3.013041867 |
| GJA3 | ENSG00000121743.3 | 3.296429094 | 4.027291975 | 4.430931998 |
| ABLIM3 | ENSG00000173210.19 | 3.564418424 | 2.248844533 | 4.149303829 |
| ZFP90 | ENSG00000184939.15 | 3.256734826 | 2.296707592 | 4.08209427 |
| PPARA | ENSG00000186951.16 | 2.734377955 | 3.736256605 | 4.63116916 |
| C6orf226 | ENSG00000221821.3 | 2.383988261 | 2.387891292 | 4.035667726 |
| CCDC136 | ENSG00000128596.16 | 4.205104302 | 4.610408614 | 5.265817448 |

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| SLC35E3 | ENSG00000175782.9 | 3.117267837 | 3.209875861 | 2.236908355 |
| TYW5 | ENSG00000162971.10 | 2.320344222 | 3.436554489 | 2.704985358 |
| REXO5 | ENSG00000005189.19 | 3.652594826 | 2.217088854 | 2.120252146 |
| SCAPER | ENSG00000140386.12 | 2.134574214 | 3.507568881 | 4.042676568 |
| TTLL3 | ENSG00000214021.15 | 2.743350967 | 3.212932932 | 2.530324669 |
| SCYL3 | ENSG00000000457.13 | 3.441609944 | 2.742794416 | 3.200404223 |
| PLCXD1 | ENSG00000182378.13 | 4.842281169 | 3.465232426 | 4.684185375 |
| SMOX | ENSG00000088826.17 | 5.058564066 | 3.666159912 | 2.160554981 |
| KBTBD7 | ENSG00000120696.8 | 3.058375123 | 2.610625545 | 2.017273913 |
| GLIS2 | ENSG00000126603.8 | 2.177729476 | 2.385239197 | 3.550736155 |
| CDC37L1 | ENSG00000106993.11 | 4.562960204 | 2.573008731 | 2.493464056 |
| PPFIA3 | ENSG00000177380.13 | 4.594697053 | 6.252100614 | 2.113514322 |
| RAB40C | ENSG00000197562.9 | 3.402554593 | 3.195083387 | 3.045672247 |
| HHAT | ENSG00000054392.12 | 2.091954231 | 3.470981799 | 2.979564396 |
| SFXN5 | ENSG00000144040.12 | 4.254808947 | 3.831245468 | 2.072782797 |
| MZF1 | ENSG00000099326.8 | 4.666583901 | 3.932099226 | 3.176845073 |
| CCDC127 | ENSG00000164366.3 | 2.027619673 | 3.080539953 | 3.048547453 |
| PLEKHH1 | ENSG00000054690.13 | 3.66461284 | 4.896900014 | 4.764831737 |
| STPG1 | ENSG00000001460.17 | 4.144751281 | 3.497211136 | 3.64952035 |
| TFAP2C | ENSG00000087510.6 | 7.258047345 | 4.779850893 | 5.094731296 |
| AFAP1 | ENSG00000196526.10 | 6.319648757 | 2.056045006 | 6.317762535 |
| RSG1 | ENSG00000132881.11 | 2.77552334 | 2.806301975 | 2.950017418 |
| AHRR | ENSG00000063438.16 | 3.921214526 | 4.475852068 | 3.086507052 |
| ZNF776 | ENSG00000152443.12 | 3.591955557 | 2.124452211 | 3.533337384 |
| ZNF720 | ENSG00000197302.10 | 2.544857148 | 2.600600358 | 3.021715238 |
| TREX1 | ENSG00000213689.11 | 2.596401191 | 2.696488813 | 3.251846893 |
| AMOTL2 | ENSG00000114019.14 | 5.227497027 | 2.164068749 | 3.152985989 |
| DNAJC18 | ENSG00000170464.9 | 3.273135717 | 3.028911446 | 3.86744317 |
| TCTEX1D2 | ENSG00000213123.10 | 3.49238563 | 3.586672519 | 2.055654236 |
| ARRDC3 | ENSG00000113369.8 | 4.885960879 | 2.180831034 | 4.155125742 |
| EMC3-AS1 | ENSG00000180385.8 | 2.491814182 | 2.226199859 | 3.072890812 |
| MARK1 | ENSG00000116141.15 | 3.512377358 | 2.874123096 | 2.466484186 |
| PMAIP1 | ENSG00000141682.11 | 4.847290384 | 3.355503008 | 6.215384166 |
| HARBI1 | ENSG00000180423.4 | 3.373713793 | 3.609930604 | 3.763171277 |
| AC006333.2 | ENSG00000272686.1 | 2.085215848 | 2.540393037 | 2.941180725 |
| NUDT14 | ENSG00000183828.14 | 2.379262414 | 5.036825455 | 2.939857315 |
| AC023632.6 | ENSG00000280123.1 | 2.349566906 | 2.702045928 | 2.986678087 |
| ICAM3 | ENSG00000076662.9 | 2.986964131 | 2.673760029 | 2.085952025 |
| ZNF407 | ENSG00000215421.9 | 2.673970006 | 3.154279453 | 2.439666559 |
| ZNF625 | ENSG00000257591.5 | 3.385447275 | 3.350863097 | 2.798879825 |
| AL591895.1 | ENSG00000242861.1 | 2.783027827 | 2.209389012 | 2.624078659 |
| ULK4 | ENSG00000168038.10 | 3.622263021 | 3.49886355 | 2.575513881 |
| GDAP1 | ENSG00000104381.12 | 4.904100594 | 4.433359198 | 2.858353921 |
| CDH24 | ENSG00000139880.19 | 2.517319131 | 2.086032534 | 3.237025404 |
| ANKRD16 | ENSG00000134461.15 | 3.384253192 | 2.806121406 | 3.025870164 |
| SLC46A1 | ENSG00000076351.12 | 3.134887269 | 3.928088429 | 2.774811278 |

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| FAM104B | ENSG00000182518.13 | 3.57437862 | 3.070854547 | 3.037269945 |
| FBXO8 | ENSG00000164117.13 | 2.025830741 | 2.907798609 | 3.625954002 |
| ARL4A | ENSG00000122644.12 | 3.802901829 | 4.525070355 | 2.313708026 |
| RAD51-AS1 | ENSG00000245849.6 | 3.684379591 | 3.036573384 | 3.115388677 |
| PI4KAP1 | ENSG00000274602.4 | 2.107261593 | 2.796128861 | 3.490971674 |
| ZNF91 | ENSG00000167232.13 | 4.487367995 | 3.522389207 | 3.191949364 |
| CSAD | ENSG00000139631.18 | 3.514037847 | 3.722498533 | 3.165942858 |
| ARHGAP33 | ENSG00000004777.18 | 2.77132376 | 2.49542483 | 2.95852257 |
| LMLN | ENSG00000185621.11 | 2.09389557 | 2.816730239 | 2.286263522 |
| DUXAP10 | ENSG00000244306.10 | 3.706223716 | 2.16630775 | 3.060441866 |
| PRDM15 | ENSG00000141956.13 | 2.674031305 | 4.138870844 | 2.346537225 |
| CFAP44 | ENSG00000206530.10 | 2.278635416 | 2.808325375 | 2.334578174 |
| RRP7BP | ENSG00000182841.12 | 3.086744337 | 3.173234151 | 2.144841202 |
| RNASEL | ENSG00000135828.11 | 3.636168758 | 2.042288565 | 3.688924826 |
| ZNF518A | ENSG00000177853.14 | 3.404628143 | 2.679970289 | 3.169706947 |
| JAG1 | ENSG00000101384.11 | 4.202164021 | 7.245272532 | 2.36650438 |
| C8orf44 | ENSG00000213865.7 | 2.810149792 | 2.681810936 | 2.153341077 |
| TMEM102 | ENSG00000181284.2 | 3.578066405 | 3.311449186 | 3.760793355 |
| CRYBG3 | ENSG00000080200.9 | 3.21977898 | 4.158528538 | 3.617481608 |
| ORAI3 | ENSG00000175938.6 | 3.375856613 | 3.567222388 | 4.082100675 |
| LSM11 | ENSG00000155858.5 | 3.297866584 | 1.954999276 | 2.103533927 |
| BTN3A1 | ENSG00000026950.16 | 2.304241448 | 3.384932627 | 3.385412574 |
| ARL15 | ENSG00000185305.10 | 4.756407849 | 3.839585112 | 4.242407922 |
| IFIT2 | ENSG00000119922.9 | 3.165104679 | 1.976412796 | 2.502652646 |
| SCARF2 | ENSG00000244486.8 | 2.067272233 | 4.84705695 | 5.307001611 |
| Z98749.2 | ENSG00000244627.5 | 2.602449045 | 2.919710878 | 3.272296898 |
| GTF2IP20 | ENSG00000272645.3 | 2.998842828 | 2.51146187 | 3.0592764 |
| C11orf63 | ENSG00000109944.10 | 2.657102647 | 2.550910107 | 3.441417494 |
| SEMA4B | ENSG00000185033.14 | 2.884235062 | 2.552746405 | 2.457247245 |
| EVA1A | ENSG00000115363.13 | 2.026913264 | 5.231364451 | 5.943070103 |
| SEMA3A | ENSG00000075213.10 | 4.221703423 | 1.987516527 | 2.129005224 |
| AC138393.1 | ENSG00000185495.10 | 2.910044003 | 2.536710894 | 2.68249485 |
| DLX2 | ENSG00000115844.10 | 4.139926757 | 2.078140453 | 6.22388134 |
| LINC00665 | ENSG00000232677.6 | 5.889290915 | 4.257303373 | 3.848401737 |
| FSTL3 | ENSG00000070404.9 | 3.436482727 | 3.945738257 | 2.133987042 |
| TSPYL4 | ENSG00000187189.10 | 3.905839394 | 3.12745902 | 3.282902226 |
| NXPH4 | ENSG00000182379.9 | 1.95002611 | 2.1634006 | 3.884379904 |
| CEP162 | ENSG00000135315.11 | 2.209224219 | 2.880172225 | 2.498960794 |
| ZNF74 | ENSG00000185252.18 | 2.498088122 | 2.630818547 | 3.396711579 |
| TMCC2 | ENSG00000133069.15 | 2.504507438 | 4.369821922 | 6.940144517 |
| EMP1 | ENSG00000134531.9 | 6.779823944 | 6.428014906 | 3.974210441 |
| CCDC61 | ENSG00000104983.8 | 3.07649777 | 2.549773561 | 3.85597672 |
| AC007969.1 | ENSG00000233762.3 | 2.646680969 | 2.53477912 | 2.582289267 |
| KMT2E-AS1 | ENSG00000239569.3 | 2.175279777 | 2.865257997 | 2.231640921 |
| DPY19L2P2 | ENSG00000170629.14 | 2.893565943 | 3.715463723 | 2.895122553 |
| MINDY2 | ENSG00000128923.10 | 3.631792483 | 4.783253935 | 4.284871274 |

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| STEAP3 | ENSG00000115107.19 | 2.141640073 | 3.820922025 | 2.129903221 |
| SRP14-AS1 | ENSG00000248508.6 | 2.630125219 | 3.556017731 | 3.345713913 |
| AC110079.1 | ENSG00000260404.3 | 2.064858702 | 3.102072503 | 2.404614136 |
| CACNB1 | ENSG00000067191.15 | 2.53434992 | 2.995286764 | 3.47495564 |
| SYT11 | ENSG00000132718.8 | 5.195762467 | 5.561449305 | 5.242516731 |
| LINC02210 | ENSG00000204650.14 | 3.269738894 | 3.891346078 | 5.848310152 |
| SUCLG2-AS1 | ENSG00000241316.6 | 2.523668909 | 3.826206906 | 2.146582705 |
| MFSD9 | ENSG00000135953.10 | 2.097655204 | 3.99671518 | 3.43663238 |
| ADAM19 | ENSG00000135074.15 | 3.899919994 | 2.207366744 | 4.167616975 |
| IPMK | ENSG00000151151.5 | 2.649965471 | 2.539210743 | 3.734868492 |
| OGFRL1 | ENSG00000119900.7 | 2.918563927 | 3.34990222 | 2.151637815 |
| PRR34-AS1 | ENSG00000241990.5 | 4.110052787 | 4.593160456 | 4.270640419 |
| POLR3B | ENSG00000013503.9 | 4.772459935 | 3.328502118 | 1.991307101 |
| SBF2-AS1 | ENSG00000246273.6 | 3.641554316 | 3.319447847 | 3.352373772 |
| CACFD1 | ENSG00000160325.14 | 2.307528918 | 2.527824642 | 2.590984265 |
| ZNF726 | ENSG00000213967.10 | 3.706665952 | 2.161271864 | 1.973994849 |
| DOK4 | ENSG00000125170.10 | 4.242653979 | 2.929300827 | 3.239683028 |
| NDRG2 | ENSG00000165795.23 | 3.91276426 | 3.546810317 | 4.610616766 |
| TMEM79 | ENSG00000163472.18 | 2.746358255 | 2.747187581 | 2.167558982 |
| BCHE | ENSG00000114200.9 | 3.540009935 | 1.999460925 | 5.781750582 |
| AC103691.1 | ENSG00000274383.1 | 2.258319105 | 4.33187244 | 3.20552418 |
| KIAA0895 | ENSG00000164542.12 | 3.025573882 | 3.179122345 | 2.885815217 |
| SERAC1 | ENSG00000122335.13 | 2.447122399 | 2.049013787 | 2.199969467 |
| AL109918.1 | ENSG00000216775.2 | 4.007356228 | 2.097137643 | 3.653998225 |
| MAP3K14 | ENSG00000006062.14 | 3.475836809 | 2.311764951 | 4.195199075 |
| IGFLR1 | ENSG00000126246.9 | 3.128826079 | 2.693323426 | 2.778719988 |
| FBXO6 | ENSG00000116663.10 | 3.171535966 | 2.560112029 | 4.238540038 |
| TLCD1 | ENSG00000160606.10 | 3.773723466 | 3.901113058 | 3.156588318 |
| LINC00680 | ENSG00000215190.9 | 3.043841981 | 3.016627536 | 2.503126069 |
| AC006453.2 | ENSG00000283196.1 | 2.045588949 | 3.529908034 | 2.270256042 |
| FSTL1 | ENSG00000163430.11 | 1.972902463 | 5.898231833 | 4.047511054 |
| TMEM17 | ENSG00000186889.9 | 3.099175283 | 3.651083812 | 3.565148409 |
| AC018645.3 | ENSG00000281332.1 | 3.103540929 | 2.329080466 | 2.054600988 |
| ZNF79 | ENSG00000196152.10 | 2.681505278 | 3.942339575 | 2.486417996 |
| MTMR11 | ENSG00000014914.20 | 2.443299009 | 2.347598552 | 3.057305079 |
| NOMO3 | ENSG00000103226.17 | 3.49349229 | 2.035946882 | 2.590316782 |
| EAF2 | ENSG00000145088.8 | 2.526846093 | 2.81238964 | 2.17887208 |
| NEIL3 | ENSG00000109674.3 | 3.994235621 | 2.240674381 | 1.902588158 |
| TP53TG1 | ENSG00000182165.17 | 2.967004878 | 3.855509207 | 4.422858636 |
| TRIM66 | ENSG00000166436.15 | 2.367120746 | 3.039205884 | 2.623910247 |
| PPP1R12B | ENSG00000077157.21 | 2.771384931 | 2.205198455 | 2.455350467 |
| CTPS2 | ENSG00000047230.14 | 4.330369845 | 3.393170442 | 4.39467498 |
| SNX15 | ENSG00000110025.12 | 3.833980731 | 2.913466407 | 3.838632453 |
| PPARGC1B | ENSG00000155846.16 | 2.312977069 | 2.7324279 | 2.174598848 |
| ZNF708 | ENSG00000182141.10 | 3.275529712 | 2.801901672 | 2.635806762 |
| ZNF519 | ENSG00000175322.11 | 2.424876614 | 2.839222248 | 1.993204014 |

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| KYAT1 | ENSG00000171097.13 | 3.785185979 | 4.052307567 | 1.937187143 |
| LINC00265 | ENSG00000188185.11 | 2.590140772 | 3.777388711 | 2.69134282 |
| HSPA12A | ENSG00000165868.13 | 3.464433908 | 4.141596065 | 3.507500354 |
| PRR7-AS1 | ENSG00000246334.2 | 5.88357349 | 2.857367431 | 2.310338605 |
| GS1-124K5.4 | ENSG00000237310.1 | 2.886565974 | 3.290080293 | 3.1742282 |
| A1BG-AS1 | ENSG00000268895.5 | 3.181438214 | 3.291508058 | 2.32821011 |
| TRAPPC5 | ENSG00000181029.8 | 3.895475707 | 3.206448194 | 2.783892685 |
| CTIF | ENSG00000134030.13 | 3.333596485 | 3.96872059 | 2.870125622 |
| SEPSECS | ENSG00000109618.11 | 3.981601329 | 2.38272568 | 3.871254077 |
| TIFA | ENSG00000145365.10 | 3.156079779 | 2.293313477 | 3.089950493 |
| MCM9 | ENSG00000111877.17 | 3.232499062 | 2.01390958 | 2.558368481 |
| ZNF599 | ENSG00000153896.17 | 2.59051375 | 2.603368981 | 2.420805734 |
| SMIM3 | ENSG00000256235.1 | 2.439276527 | 2.186834316 | 8.329764414 |
| ATP5S | ENSG00000125375.14 | 3.039268813 | 2.091438923 | 3.117490708 |
| DLC1 | ENSG00000164741.14 | 3.798103199 | 1.888741534 | 6.879460459 |
| PELI3 | ENSG00000174516.14 | 3.754517803 | 3.808411175 | 3.321471884 |
| FOXC1 | ENSG00000054598.6 | 4.572447942 | 1.911908772 | 3.328817388 |
| TMEM242 | ENSG00000215712.10 | 2.934264066 | 2.752149062 | 2.764535714 |
| NUDT6 | ENSG00000170917.13 | 2.867291862 | 3.020955117 | 2.340986984 |
| CCDC186 | ENSG00000165813.18 | 3.356314873 | 3.392009925 | 3.842164503 |
| USP35 | ENSG00000118369.12 | 1.920538296 | 3.849686723 | 3.022100863 |
| STX7 | ENSG00000079950.13 | 2.018397428 | 4.611841301 | 5.598736034 |
| DDX60 | ENSG00000137628.16 | 1.923066534 | 2.047290494 | 2.983853789 |
| MXD3 | ENSG00000213347.10 | 3.317028331 | 2.127840602 | 2.213490733 |
| RILPL2 | ENSG00000150977.10 | 3.695453992 | 2.567420772 | 4.02463638 |
| N6AMT1 | ENSG00000156239.11 | 2.543994218 | 1.989403039 | 3.703881783 |
| DOK1 | ENSG00000115325.13 | 4.307083277 | 2.4432743 | 2.048924068 |
| RAVER2 | ENSG00000162437.14 | 4.016678082 | 4.29794614 | 4.695995646 |
| MSC-AS1 | ENSG00000235531.9 | 2.051634807 | 3.708710041 | 5.595028501 |
| MTRFR2 | ENSG00000146410.11 | 3.636115944 | 3.255905265 | 2.114452253 |
| NREP | ENSG00000134986.13 | 5.922715517 | 3.018140903 | 3.863025535 |
| THEMIS2 | ENSG00000130775.15 | 2.208640153 | 5.656703223 | 2.678542189 |
| AC116533.1 | ENSG00000244398.1 | 3.816474716 | 2.609437005 | 2.57903315 |
| AL162258.1 | ENSG00000271853.5 | 4.299189894 | 4.959491444 | 1.996056285 |
| NAV2 | ENSG00000166833.19 | 1.898099454 | 7.896714707 | 6.630212842 |
| AC115618.3 | ENSG00000279528.1 | 3.240169782 | 2.820687856 | 2.272574395 |
| IRX3 | ENSG00000177508.11 | 3.994257768 | 4.019109022 | 4.562666099 |
| MIR4292 | ENSG00000265806.1 | 2.908932546 | 2.557694472 | 3.67382387 |
| ZCCHC7 | ENSG00000147905.17 | 4.850068113 | 4.456864659 | 3.565928638 |
| AC091390.4 | ENSG00000239969.5 | 3.336965315 | 3.647419598 | 3.05448144 |
| PDIK1L | ENSG00000175087.9 | 3.795800681 | 2.506249039 | 2.825670878 |
| FBXL17 | ENSG00000145743.15 | 4.442237927 | 3.344451578 | 4.863546043 |
| FER | ENSG00000151422.12 | 3.49767735 | 3.124188655 | 3.13380639 |
| ZNF490 | ENSG00000188033.9 | 3.944605558 | 2.745089093 | 3.159077869 |
| NEURL2 | ENSG00000124257.6 | 2.004949532 | 2.334848469 | 2.433270048 |
| SPACA9 | ENSG00000165698.15 | 2.94367158 | 3.056325965 | 1.930633198 |

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| SLC22A5 | ENSG00000197375.12 | 2.793783312 | 2.03721454 | 3.264278917 |
| SLC25A42 | ENSG00000181035.13 | 2.995432104 | 2.788342459 | 2.504595767 |
| LINC00467 | ENSG00000153363.12 | 3.042161084 | 2.0729132 | 1.978165624 |
| SLX4IP | ENSG00000149346.14 | 2.913889814 | 2.04307635 | 2.316742443 |
| ALCAM | ENSG00000170017.12 | 4.187552718 | 4.398091565 | 5.936996917 |
| NOD1 | ENSG00000106100.10 | 3.043962439 | 3.161389454 | 2.064376151 |
| ERCC6L | ENSG00000186871.6 | 4.355538761 | 3.415750231 | 1.888738915 |
| FAM217B | ENSG00000196227.10 | 2.288138751 | 2.547474628 | 2.799063263 |
| AC015813.6 | ENSG00000279207.1 | 2.512057763 | 1.869132438 | 2.813820058 |
| KLF11 | ENSG00000172059.10 | 2.623695368 | 3.327534806 | 2.12137452 |
| STARD13 | ENSG00000133121.20 | 4.630879036 | 2.167892069 | 3.36279845 |
| RTEL1 | ENSG00000258366.7 | 3.870376505 | 2.004319586 | 3.757584883 |
| SNORD4A | ENSG00000238578.1 | 4.234994154 | 3.688560312 | 2.6808531 |
| MTERF2 | ENSG00000120832.9 | 3.024678924 | 2.911447147 | 2.287846688 |
| NRSN2-AS1 | ENSG00000225377.5 | 2.466093585 | 2.764951276 | 2.042364472 |
| ASRGL1 | ENSG00000162174.12 | 3.270794718 | 4.248642746 | 2.574026816 |
| STAG3L1 | ENSG00000205583.13 | 2.764805156 | 2.771723556 | 2.199665835 |
| ARMC5 | ENSG00000140691.16 | 3.096570079 | 2.274243428 | 2.931367587 |
| LRRC1 | ENSG00000137269.14 | 3.355797194 | 2.854833141 | 3.881421991 |
| FTH1P2 | ENSG00000234975.6 | 2.327306431 | 2.172109057 | 2.347399043 |
| GEM | ENSG00000164949.7 | 3.83834119 | 4.627789733 | 1.908582093 |
| CBWD6 | ENSG00000215126.10 | 3.217347478 | 3.600642998 | 2.787246721 |
| CYP2R1 | ENSG00000186104.10 | 2.308559388 | 3.42045065 | 4.821655559 |
| FAM216A | ENSG00000204856.11 | 5.338763929 | 3.255702999 | 1.888559872 |
| CACHD1 | ENSG00000158966.13 | 2.762390252 | 4.39194931 | 4.946375343 |
| MORN4 | ENSG00000171160.17 | 3.702343553 | 2.45946388 | 4.597627983 |
| ZSCAN5A | ENSG00000131848.9 | 4.044048985 | 2.339174531 | 2.999911838 |
| APOL6 | ENSG00000221963.5 | 3.440042475 | 1.840872926 | 3.373955793 |
| ZNF180 | ENSG00000167384.10 | 3.197354526 | 2.010898135 | 2.393697565 |
| RELB | ENSG00000104856.13 | 3.695248792 | 1.964649311 | 4.09098906 |
| NEMP2 | ENSG00000189362.11 | 2.142156448 | 2.190534976 | 3.116354744 |
| ANKRD37 | ENSG00000186352.8 | 3.515682551 | 3.478041407 | 2.666268654 |
| TPST2 | ENSG00000128294.15 | 2.023735196 | 3.948304714 | 2.649877851 |
| CEP85L | ENSG00000111860.13 | 3.40782397 | 2.801358241 | 2.778599395 |
| ARHGAP42 | ENSG00000165895.17 | 2.098866218 | 3.359003784 | 4.920599498 |
| FAS | ENSG00000026103.21 | 3.275147858 | 3.127949783 | 3.808092159 |
| FAM86C1 | ENSG00000158483.15 | 3.77861358 | 3.560189657 | 2.275335614 |
| DUSP28 | ENSG00000188542.9 | 2.019808108 | 2.283541978 | 2.315025642 |
| IFIT1 | ENSG00000185745.9 | 3.699662021 | 2.264152507 | 2.93807148 |
| LINC01291 | ENSG00000204792.2 | 5.582193727 | 2.049479232 | 2.520007708 |
| DLGAP1-AS1 | ENSG00000177337.7 | 3.638094664 | 4.272183723 | 2.754668931 |
| EPB41L5 | ENSG00000115109.13 | 2.205380738 | 4.322266909 | 4.082512718 |
| BRCA2 | ENSG00000139618.14 | 3.178470838 | 2.793707027 | 1.838836678 |
| PREX1 | ENSG00000124126.13 | 5.494920024 | 4.11585813 | 4.388590062 |
| SNRK | ENSG00000163788.13 | 2.357847069 | 2.921012343 | 2.470799131 |
| AC060780.1 | ENSG00000267002.2 | 3.793887667 | 3.138017282 | 4.059891793 |

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| AGO3 | ENSG00000126070.19 | 3.445235069 | 2.420700401 | 3.125948363 |
| TGIF2 | ENSG00000118707.9 | 3.211596745 | 2.81146094 | 2.870887351 |
| NMRK1 | ENSG00000106733.20 | 1.876020005 | 3.862413506 | 2.547647876 |
| SWT1 | ENSG00000116668.12 | 2.371495884 | 2.640191981 | 2.301844369 |
| PAXIP1-AS2 | ENSG00000214106.7 | 2.09718647 | 1.973784342 | 2.656509017 |
| KIAA1671 | ENSG00000197077.13 | 1.817284243 | 3.588082145 | 2.835812966 |
| SAMD10 | ENSG00000130590.13 | 1.985315486 | 2.790346098 | 3.302267647 |
| KATNAL2 | ENSG00000167216.16 | 2.003317485 | 3.144621366 | 2.205969132 |
| C16orf45 | ENSG00000166780.10 | 4.796991368 | 3.848907808 | 4.121927423 |
| TRMT10A | ENSG00000145331.13 | 3.187349232 | 1.919405452 | 1.831228589 |
| FZD3 | ENSG00000104290.10 | 1.928799084 | 2.843407444 | 1.910986763 |
| XIAP | ENSG00000101966.12 | 3.286694819 | 3.701740269 | 3.184639448 |
| ZBED5-AS1 | ENSG00000247271.6 | 1.904814615 | 3.713808756 | 4.135588144 |
| ANTXR2 | ENSG00000163297.16 | 2.970998635 | 1.993623692 | 3.094848223 |
| ARHGAP5-AS | ENSG00000258655.2 | 4.080909979 | 2.994674583 | 1.983386069 |
| HAPLN3 | ENSG00000140511.11 | 4.334468854 | 3.26044268 | 3.063657706 |
| HOXC8 | ENSG00000037965.5 | 3.974141802 | 3.788029075 | 2.115956 |
| B3GNTL1 | ENSG00000175711.8 | 4.1015598 | 2.048626309 | 3.255079577 |
| SLC16A3 | ENSG00000141526.16 | 1.800830351 | 3.655948734 | 3.84379466 |
| AP5S1 | ENSG00000125843.10 | 2.568293076 | 2.55115898 | 2.204235248 |
| ZNF101 | ENSG00000181896.11 | 3.637572629 | 3.532620142 | 2.304946512 |
| TMEM198 | ENSG00000188760.10 | 2.424661923 | 3.607669777 | 2.168550218 |
| AL035071.1 | ENSG00000260257.2 | 2.13206996 | 2.58279134 | 2.185722455 |
| MSX2 | ENSG00000120149.8 | 3.298262474 | 1.816052139 | 4.75669717 |
| AC092747.4 | ENSG00000275764.1 | 2.468861338 | 1.828093244 | 2.230060693 |
| P2RY11 | ENSG00000244165.1 | 5.059150876 | 3.227498745 | 2.907630145 |
| AHI1 | ENSG00000135541.20 | 3.747214894 | 3.365888763 | 3.541841702 |
| CIPC | ENSG00000198894.7 | 1.845305076 | 3.085989963 | 4.606142915 |
| CNNM2 | ENSG00000148842.17 | 3.291878988 | 3.000678644 | 2.642696679 |
| TMEM81 | ENSG00000174529.7 | 2.69674023 | 1.918229265 | 2.183604642 |
| ZNF670 | ENSG00000277462.1 | 4.203614212 | 1.825878711 | 2.494327437 |
| ZNF552 | ENSG00000178935.5 | 3.139473082 | 2.608926553 | 3.035266846 |
| ZNF449 | ENSG00000173275.12 | 1.922019611 | 2.915193154 | 2.91350491 |
| TOR2A | ENSG00000160404.17 | 3.100018745 | 3.142612231 | 1.871426068 |
| MICB | ENSG00000204516.9 | 3.81747981 | 4.876378096 | 2.92578478 |
| MT-TS2 | ENSG00000210184.1 | 1.907094163 | 3.499712528 | 2.484696984 |
| ZNF107 | ENSG00000196247.11 | 2.652051259 | 3.176437364 | 2.506352657 |
| CELSR3 | ENSG00000008300.16 | 3.060933154 | 1.956654066 | 2.053604239 |
| CTXN1 | ENSG00000178531.5 | 5.078998525 | 3.389679343 | 1.835266463 |
| KIF15 | ENSG00000163808.16 | 4.884467959 | 3.122568588 | 1.872230392 |
| AC012306.2 | ENSG00000272667.1 | 2.705784583 | 2.86830439 | 2.481355907 |
| EIF4HP1 | ENSG00000233830.2 | 1.912032734 | 2.32920611 | 1.835474579 |
| RILPL1 | ENSG00000188026.12 | 2.845250626 | 3.175344345 | 4.722704726 |
| ARHGEF19 | ENSG00000142632.16 | 3.89178016 | 2.783829321 | 3.086203926 |
| MIR25 | ENSG00000207547.1 | 2.889022695 | 3.055317713 | 2.041214891 |
| GNB1L | ENSG00000185838.13 | 2.169033179 | 2.040368433 | 3.079858518 |

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| TMEM8B | ENSG00000137103.17 | 2.536374019 | 2.750439079 | 4.003487923 |
| BCL2L11 | ENSG00000153094.22 | 3.023970654 | 3.007508184 | 3.432018842 |
| AC138932.1 | ENSG00000183458.13 | 2.340494473 | 2.174217972 | 3.905205209 |
| MATR3 | ENSG00000280987.4 | 5.673691514 | 3.140976651 | 5.464556745 |
| SPIN4 | ENSG00000186767.6 | 3.408348874 | 2.493434982 | 2.188191375 |
| MKLN1-AS | ENSG00000236753.5 | 2.361333593 | 3.65986316 | 3.302541611 |
| AC109460.3 | ENSG00000261067.7 | 2.187461362 | 2.981924251 | 2.388920328 |
| RPL21P16 | ENSG00000220842.6 | 3.521677805 | 2.27940648 | 2.165196383 |
| NRIP3 | ENSG00000175352.10 | 1.993495901 | 5.801565384 | 6.298857262 |
| ADGRB2 | ENSG00000121753.12 | 3.202282214 | 1.975905543 | 2.770038294 |
| C20orf196 | ENSG00000171984.14 | 3.316317217 | 2.516775018 | 1.85036473 |
| HASPIN | ENSG00000177602.5 | 4.61783719 | 2.953519509 | 1.85490215 |
| GIN1 | ENSG00000145723.16 | 2.539442277 | 2.098834103 | 2.683044939 |
| CLIP3 | ENSG00000105270.14 | 4.813098707 | 5.009099622 | 5.811502143 |
| ZNF14 | ENSG00000105708.8 | 2.843368716 | 2.479361758 | 2.353304312 |
| AP001324.1 | ENSG00000227615.1 | 3.422776531 | 2.255667681 | 2.090772983 |
| ATP6V1B1-AS | ENSG00000239322.1 | 3.46269487 | 3.897604486 | 1.814209097 |
| ZNF112 | ENSG00000062370.16 | 2.705502702 | 1.732422625 | 2.792279215 |
| TRAPPC9 | ENSG00000167632.14 | 3.739139907 | 3.115092509 | 4.741550199 |
| MAPK8IP1 | ENSG00000121653.11 | 4.534599573 | 4.110161174 | 4.375592261 |
| HOXA1 | ENSG00000105991.7 | 2.807704478 | 4.106719117 | 3.531698139 |
| TIGD5 | ENSG00000179886.5 | 3.055598903 | 2.54696668 | 1.911941563 |
| MAGI3 | ENSG00000081026.18 | 2.672078476 | 2.403333614 | 3.114617261 |
| CRY2 | ENSG00000121671.11 | 2.168777281 | 3.543539934 | 3.529155954 |
| FGFR1OP | ENSG00000213066.11 | 3.175840103 | 2.601973635 | 2.496326686 |
| VAMP1 | ENSG00000139190.16 | 2.571349031 | 1.719770485 | 2.342882304 |
| CLEC11A | ENSG00000105472.12 | 1.844101071 | 1.917867282 | 8.03732527 |
| RFXAP | ENSG00000133111.3 | 3.547742013 | 2.315731185 | 2.212997825 |
| VN1R81P | ENSG00000268357.1 | 2.298805144 | 2.05744261 | 2.361074277 |
| AC144652.1 | ENSG00000273117.1 | 2.063301304 | 2.735189273 | 1.868194453 |
| FAM117B | ENSG00000138439.11 | 3.347475856 | 3.269349966 | 2.482866178 |
| NFIB | ENSG00000147862.15 | 5.144047014 | 2.089279198 | 3.30194435 |
| ZNF71 | ENSG00000197951.8 | 1.994600337 | 2.441562398 | 1.95462933 |
| PLCD1 | ENSG00000187091.13 | 2.717974206 | 3.407510245 | 2.818399914 |
| TRAPPC6A | ENSG00000007255.10 | 1.875779462 | 3.917790608 | 4.424847731 |
| HCFC2 | ENSG00000111727.11 | 3.287716145 | 1.799153929 | 2.582118046 |
| ADCK1 | ENSG00000063761.15 | 2.052621167 | 2.036703258 | 2.537988303 |
| SGCD | ENSG00000170624.13 | 1.829784524 | 3.969315511 | 5.010696598 |
| ZNF33A | ENSG00000189180.15 | 3.461269338 | 1.84568529 | 3.07250474 |
| ZNF791 | ENSG00000173875.13 | 3.454156598 | 2.237868731 | 2.7422943 |
| ID2 | ENSG00000115738.9 | 2.205326141 | 2.260737317 | 3.285688563 |
| SH2B2 | ENSG00000160999.10 | 2.584927607 | 3.271460909 | 2.357846553 |
| ZNF543 | ENSG00000178229.7 | 2.509760282 | 1.752810507 | 3.022541282 |
| LCMT2 | ENSG00000168806.7 | 3.899430791 | 3.07972612 | 1.889608547 |
| E2F8 | ENSG00000129173.12 | 3.184605443 | 2.146773909 | 1.803884424 |
| SHC4 | ENSG00000185634.11 | 3.567778465 | 4.453289799 | 3.96000091 |

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| ZNF286A | ENSG00000187607.15 | 4.25047873 | 2.751326444 | 2.252781448 |
| NBPF12 | ENSG00000268043.7 | 2.222891229 | 2.135084865 | 2.152477746 |
| AC022415.1 | ENSG00000242615.1 | 2.914774384 | 2.96331224 | 2.678447543 |
| TRIM34 | ENSG00000258659.6 | 1.860606119 | 3.214568464 | 4.082921126 |
| AC126474.2 | ENSG00000280088.1 | 2.12440518 | 2.172596196 | 1.974731362 |
| DHFR2 | ENSG00000178700.7 | 2.847600736 | 3.053548204 | 4.040979653 |
| ZBTB9 | ENSG00000213588.5 | 2.706133307 | 3.120495475 | 2.744945748 |
| MAMDC4 | ENSG00000177943.13 | 2.25760034 | 3.028321942 | 4.191068618 |
| HIVEP1 | ENSG00000095951.16 | 2.523910232 | 2.304224335 | 2.296254478 |
| MDP1 | ENSG00000213920.8 | 2.730478793 | 2.020024358 | 3.540791445 |
| HLA-DMA | ENSG00000204257.14 | 6.268225705 | 2.999260199 | 1.903808857 |
| NUDT8 | ENSG00000167799.9 | 2.702523263 | 3.38262233 | 2.074125811 |
| DNAJC12 | ENSG00000108176.14 | 4.027883102 | 3.957553692 | 2.478651383 |
| APH1B | ENSG00000138613.13 | 1.880405943 | 4.283100102 | 3.579742819 |
| PHACTR1 | ENSG00000112137.17 | 1.757463962 | 5.784618499 | 5.637734102 |
| BICRAL | ENSG00000112624.12 | 2.898195049 | 3.178868437 | 3.116189858 |
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| DNAL1 | ENSG00000119661.14 | 2.361760527 | 2.223462783 | 2.80069889 |
| AL050341.2 | ENSG00000259943.1 | 3.322785045 | 2.836129697 | 2.885196839 |
| FICD | ENSG00000198855.6 | 1.889519795 | 3.366828525 | 2.485976764 |
| INAFM1 | ENSG00000257704.3 | 2.781601213 | 1.931948602 | 3.457385634 |
| THAP8 | ENSG00000161277.10 | 3.201799701 | 2.641074195 | 1.920195523 |
| SNORA64 | ENSG00000207405.1 | 4.432699782 | 3.515526003 | 2.534484692 |
| EMILIN2 | ENSG00000132205.10 | 3.800732628 | 6.25029518 | 4.565063235 |
| RRN3P3 | ENSG00000257122.5 | 2.127714135 | 2.663563656 | 3.681944161 |
| ZNF124 | ENSG00000196418.12 | 4.171482987 | 1.786378121 | 2.534217625 |
| AC139530.1 | ENSG00000262049.1 | 2.196375124 | 1.820912692 | 2.059233216 |
| AC007996.1 | ENSG00000277534.1 | 2.676864278 | 2.967867033 | 2.628300343 |
| TBC1D24 | ENSG00000162065.12 | 3.61653672 | 3.150262092 | 4.986601968 |
| NDRG1 | ENSG00000104419.14 | 6.176439037 | 3.258822853 | 6.716440143 |
| FAM131A | ENSG00000175182.14 | 3.512529816 | 4.077601287 | 3.777021541 |
| LIME1 | ENSG00000203896.9 | 2.323385797 | 3.113333541 | 2.648216988 |
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| AC097359.2 | ENSG00000270194.1 | 2.509830826 | 3.259758717 | 2.40050526 |
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| UBL7-AS1 | ENSG00000247240.7 | 2.718794956 | 2.682306435 | 1.978612892 |
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| XYLT1 | ENSG00000103489.11 | 2.594536722 | 1.760143048 | 4.146624749 |
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| ZNF524 | ENSG00000171443.6 | 3.117541841 | 2.750337541 | 4.294347983 |
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| ZNF254 | ENSG00000213096.10 | 3.163244735 | 2.818852228 | 1.778729994 |
| ZNF674-AS1 | ENSG00000230844.2 | 2.111402866 | 2.320921836 | 2.149374037 |
| MLPH | ENSG00000115648.13 | 1.994437761 | 8.719615393 | 7.98473225 |
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| TXNDC16 | ENSG00000087301.8 | 2.288271687 | 1.738408665 | 3.170339154 |
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| C3orf33 | ENSG00000174928.15 | 2.794288606 | 2.888730424 | 2.918930712 |
| DYNC111 | ENSG00000158560.14 | 2.207091757 | 4.925969574 | 4.382453206 |
| AC007485.2 | ENSG00000279059.1 | 2.91839248 | 2.908635051 | 2.751914956 |
| JMY | ENSG00000152409.8 | 4.135860504 | 2.631620876 | 3.435910638 |
| CCDC189 | ENSG00000196118.11 | 3.923739402 | 1.897045594 | 2.338864288 |
| AL353763.2 | ENSG00000280077.1 | 2.705729714 | 2.153191932 | 2.358311768 |
| RTKN2 | ENSG00000182010.10 | 2.676762197 | 1.71211325 | 2.771403237 |
| KAT6B | ENSG00000156650.12 | 3.630598335 | 2.833263992 | 2.990708797 |
| EDNRB | ENSG00000136160.14 | 5.236135658 | 5.520032506 | 6.365204224 |
| RRAGB | ENSG00000083750.12 | 3.567446594 | 3.232881732 | 3.719699891 |
| FRMD4B | ENSG00000114541.14 | 5.524695703 | 5.605069316 | 6.144502953 |
| AUNIP | ENSG00000127423.10 | 4.428897726 | 3.393097285 | 1.740643685 |
| PTPN3 | ENSG00000070159.13 | 4.439497728 | 4.668715985 | 5.110518851 |
| PXN-AS1 | ENSG00000255857.5 | 3.202013007 | 2.756527268 | 3.018618411 |
| DDAH1 | ENSG00000153904.18 | 4.153228667 | 3.069435368 | 3.00482982 |
| LRRC20 | ENSG00000172731.13 | 2.67970029 | 3.534596219 | 2.907750653 |
| LMCD1 | ENSG00000071282.11 | 4.33276107 | 3.962628806 | 2.88532523 |
| ZNF510 | ENSG00000081386.12 | 3.349473123 | 3.422025979 | 2.004596786 |

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| HOMEZ | ENSG00000215271.7 | 1.759250936 | 3.103379563 | 2.875946038 |
| DOCK6 | ENSG00000130158.13 | 3.490484224 | 4.300657822 | 3.949558287 |
| SIPA1L3 | ENSG00000105738.10 | 4.411183244 | 3.149621999 | 4.580227148 |
| SPATA5 | ENSG00000145375.7 | 3.307570665 | 2.923826224 | 2.561368387 |
| ZNF569 | ENSG00000196437.10 | 2.693966282 | 1.984035197 | 1.897221781 |
| ZNF816 | ENSG00000180257.13 | 3.189310322 | 3.169584702 | 2.843592557 |
| F8A1 | ENSG00000277203.1 | 3.106816576 | 3.091371904 | 2.989005488 |
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| FTO | ENSG00000140718.20 | 3.83061792 | 3.497031586 | 4.133004546 |
| HERC6 | ENSG00000138642.14 | 2.291978514 | 3.078196039 | 2.007392991 |
| OAS2 | ENSG00000111335.12 | 2.970154575 | 2.914593067 | 1.729839752 |
| TNFAIP8L1 | ENSG00000185361.8 | 3.793112548 | 4.061490325 | 4.062422862 |
| ZNF813 | ENSG00000198346.10 | 1.860415725 | 2.138375786 | 2.95391504 |
| CHST6 | ENSG00000183196.8 | 3.712463851 | 3.775121956 | 2.663665727 |
| PGBD2 | ENSG00000185220.11 | 4.111744324 | 3.936258375 | 1.841045808 |
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| ANKRD36 | ENSG00000135976.17 | 2.088458071 | 3.229559738 | 3.08817582 |
| LOXL3 | ENSG00000115318.11 | 7.420816721 | 3.323154798 | 4.326970371 |
| BICC1 | ENSG00000122870.11 | 2.46825951 | 2.496059393 | 3.0638369 |
| TSPAN33 | ENSG00000158457.5 | 3.84181994 | 5.28121985 | 5.826744924 |
| RPL23AP53 | ENSG00000223508.5 | 2.893743517 | 1.814353049 | 3.60410157 |
| ENTPD3-AS1 | ENSG00000223797.5 | 2.380835169 | 2.716712006 | 2.475485189 |
| NBPF26 | ENSG00000273136.6 | 3.268767103 | 3.243932302 | 1.942152797 |
| AC004967.1 | ENSG00000243554.1 | 2.733147936 | 3.176596991 | 1.867830782 |
| GLI3 | ENSG00000106571.12 | 4.129220157 | 3.640808761 | 5.308232049 |
| CCDC18-AS1 | ENSG00000223745.7 | 1.955888089 | 3.072268772 | 3.194992526 |
| XRCC3 | ENSG00000126215.13 | 4.821005079 | 4.321464756 | 2.007181519 |
| SLC35E4 | ENSG00000100036.12 | 3.324254191 | 2.868404988 | 3.304471838 |
| RTN4RL2 | ENSG00000186907.7 | 2.328960293 | 3.939790462 | 3.615608498 |
| AL365205.1 | ENSG00000124593.15 | 2.038561743 | 5.028682624 | 3.930310408 |
| AMOT | ENSG00000126016.15 | 5.015270991 | 4.263695771 | 5.280251458 |
| AC009533.1 | ENSG00000111788.10 | 1.887743478 | 2.387518606 | 2.660379138 |
| CEP19 | ENSG00000174007.7 | 1.73968195 | 2.745880899 | 3.19861212 |
| SAMD9L | ENSG00000177409.11 | 2.666405958 | 4.189859734 | 1.86277964 |
| MCOLN2 | ENSG00000153898.12 | 3.098936523 | 4.173196184 | 3.425472557 |
| SPATA33 | ENSG00000167523.13 | 3.811647838 | 2.9070281 | 2.141187176 |
| SMIM8 | ENSG00000111850.10 | 1.925224859 | 2.550660704 | 2.703354054 |
| RFFL | ENSG00000092871.16 | 4.305232171 | 3.398134831 | 4.071785151 |
| DLGAP1-AS2 | ENSG00000262001.1 | 3.825351166 | 3.516028085 | 5.892623732 |
| AC138969.1 | ENSG00000183889.12 | 2.470074069 | 2.272081555 | 3.157049112 |
| PRELID3A | ENSG00000141391.13 | 2.0923751 | 2.920486066 | 1.782394652 |
| CPT1A | ENSG00000110090.12 | 5.498175957 | 4.125468046 | 3.367225169 |
| ADAT2 | ENSG00000189007.15 | 3.544936345 | 2.568432802 | 2.173907259 |
| ZBTB25 | ENSG00000089775.11 | 2.271731781 | 2.291594855 | 1.737063745 |
| U2AF1L4 | ENSG00000161265.14 | 3.262618242 | 3.102525507 | 3.305247429 |

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| ASTN2 | ENSG00000148219.16 | 1.980026125 | 3.807152085 | 2.129952258 |
| TEKT4P2 | ENSG00000188681.11 | 2.705592828 | 1.841864438 | 1.664087874 |
| PTPRG-AS1 | ENSG00000241472.6 | 1.76992243 | 3.081058164 | 2.301816488 |
| MLLT11 | ENSG00000213190.3 | 6.231323261 | 1.611343469 | 2.444961776 |
| RNF24 | ENSG00000101236.16 | 4.421455787 | 3.924335416 | 2.142654735 |
| HOXB5 | ENSG00000120075.5 | 2.899337025 | 2.393173274 | 1.683042297 |
| ELOVL4 | ENSG00000118402.5 | 4.122266612 | 2.821275772 | 2.601787281 |
| NAPRT | ENSG00000147813.15 | 4.894246386 | 1.843529158 | 4.505655925 |
| ERV3-1 | ENSG00000213462.4 | 2.309494286 | 2.480245359 | 2.029343246 |
| AC008771.1 | ENSG00000249042.5 | 3.225098625 | 2.317201224 | 4.072081045 |
| WDR25 | ENSG00000176473.13 | 3.404827555 | 2.550647976 | 1.596215207 |
| FUK | ENSG00000157353.16 | 3.424728288 | 3.504998106 | 4.312574308 |
| ZNF641 | ENSG00000167528.12 | 1.941993435 | 2.31940849 | 2.628196363 |
| NATD1 | ENSG00000274180.1 | 3.273006887 | 1.847057882 | 4.367421411 |
| ZNF500 | ENSG00000103199.13 | 2.687985768 | 2.363789794 | 2.776075473 |
| DUSP5 | ENSG00000138166.5 | 4.937297999 | 2.847121348 | 7.545051487 |
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| TYMSOS | ENSG00000176912.3 | 1.956813441 | 2.082280545 | 1.64795252 |
| SLC35E2 | ENSG00000215790.6 | 2.544778516 | 2.093885411 | 3.794083324 |
| ZNF57 | ENSG00000171970.12 | 2.311893344 | 3.322382077 | 2.812851383 |
| ZNF701 | ENSG00000167562.12 | 2.566290819 | 3.105706299 | 3.816961101 |
| KCNC4 | ENSG00000116396.14 | 1.884091626 | 2.697584632 | 2.391972412 |
| FZD5 | ENSG00000163251.3 | 1.639515904 | 2.289107252 | 2.2139641 |
| HDAC11 | ENSG00000163517.14 | 1.693554915 | 3.964350204 | 3.692912081 |
| AC016394.1 | ENSG00000272599.2 | 3.690790888 | 2.508563866 | 1.940181252 |
| PLP1 | ENSG00000123560.13 | 5.292076134 | 6.654398753 | 6.126835109 |
| IRS1 | ENSG00000169047.5 | 1.76741216 | 2.663841353 | 4.575354029 |
| TMEM147-AS | ENSG00000236144.6 | 3.913275325 | 3.694698641 | 2.051924235 |
| LINC00174 | ENSG00000179406.7 | 2.421556519 | 3.000835091 | 2.989946478 |
| KLHL25 | ENSG00000183655.12 | 2.200791852 | 2.001613171 | 2.016501427 |
| MLLT3 | ENSG00000171843.15 | 3.995473124 | 2.522151787 | 2.462013223 |
| OTUD1 | ENSG00000165312.6 | 2.377396585 | 2.877715856 | 3.339509782 |
| TMEM45A | ENSG00000181458.10 | 2.028157151 | 4.802123108 | 2.665345592 |
| NLRC5 | ENSG00000140853.15 | 3.633818398 | 2.219497426 | 3.156444057 |
| SDCBP2-AS1 | ENSG00000234684.6 | 2.137664246 | 2.338124339 | 1.644711547 |
| AC211429.1 | ENSG00000242073.2 | 2.357204176 | 2.944873627 | 2.181854714 |
| TESK2 | ENSG00000070759.16 | 3.173409227 | 5.068080439 | 3.950799108 |
| SLC27A3 | ENSG00000143554.13 | 2.654907184 | 7.469131288 | 1.929184326 |
| CPEB2 | ENSG00000137449.15 | 1.958799847 | 3.165982442 | 5.483609189 |
| APOBEC3G | ENSG00000239713.8 | 3.916928834 | 1.9190979 | 4.238107926 |
| ZSCAN16 | ENSG00000196812.4 | 2.647490312 | 2.275028653 | 2.970595333 |
| ZNF577 | ENSG00000161551.14 | 1.953657239 | 3.366459946 | 3.443558416 |
| CDC14A | ENSG00000079335.18 | 3.030965933 | 1.715537715 | 2.028001963 |
| VPS9D1 | ENSG00000075399.13 | 3.283760942 | 3.857998258 | 3.917759614 |
| IKBKG | ENSG00000269335.5 | 3.145289596 | 2.382666742 | 2.538011398 |

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| TGFB3 | ENSG00000069702.10 | 1.807659478 | 4.317772069 | 2.256966997 |
| CAMK2N1 | ENSG00000162545.5 | 6.553308183 | 4.77368283 | 1.667808595 |
| AP000525.1 | ENSG00000272872.1 | 1.837053965 | 2.620662924 | 3.488151348 |
| PUS10 | ENSG00000162927.13 | 1.826083846 | 3.400931099 | 3.151575474 |
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| AMN1 | ENSG00000151743.10 | 3.231951922 | 1.796765747 | 3.354973913 |
| SLC1A3 | ENSG00000079215.13 | 2.525390483 | 2.187914609 | 1.749921136 |
| FAM234B | ENSG00000084444.13 | 3.274924809 | 3.316499104 | 3.504998502 |
| RHOBTB1 | ENSG00000072422.16 | 1.643118949 | 3.436178939 | 2.563237501 |
| VIM-AS1 | ENSG00000229124.6 | 4.322686956 | 3.47715797 | 3.315411905 |
| AC012510.1 | ENSG00000273466.1 | 3.05004563 | 2.092843448 | 1.846024611 |
| AC024075.1 | ENSG00000267904.1 | 2.458446812 | 3.447876853 | 2.57344606 |
| TRAF1 | ENSG00000056558.10 | 5.353245232 | 1.893243583 | 4.938908464 |
| SIRT5 | ENSG00000124523.15 | 1.662942246 | 3.597869216 | 4.098223882 |
| NPM1P27 | ENSG00000249353.2 | 4.07570676 | 2.918688644 | 3.268897373 |
| ZNF605 | ENSG00000196458.10 | 2.947601524 | 2.778129564 | 1.633291193 |
| HHLA3 | ENSG00000197568.13 | 2.834921225 | 2.37721435 | 1.781286429 |
| ATXN7L2 | ENSG00000162650.16 | 3.326295502 | 1.978353227 | 1.714673973 |
| ZNRF3 | ENSG00000183579.15 | 2.581687669 | 2.9761567 | 4.450442375 |
| TMEM140 | ENSG00000146859.6 | 1.631352222 | 4.52668563 | 4.646219181 |
| ZNF222 | ENSG00000159885.13 | 2.751910948 | 1.813389801 | 3.397058571 |
| ACBD4 | ENSG00000181513.14 | 3.015575666 | 4.063865898 | 4.006730929 |
| IQCC | ENSG00000160051.11 | 3.195016882 | 1.803988032 | 1.66621334 |
| ZSWIM4 | ENSG00000132003.9 | 4.451586053 | 3.831533373 | 3.412059587 |
| CALML4 | ENSG00000129007.14 | 1.97018789 | 1.947759982 | 2.175616427 |
| JAM3 | ENSG00000166086.12 | 4.657099431 | 4.539674527 | 1.811934427 |
| COX10-AS1 | ENSG00000236088.9 | 4.075522521 | 1.792314313 | 3.036819847 |
| snoU109 | ENSG00000238832.1 | 2.199377539 | 3.516383426 | 1.77202721 |
| PNPLA3 | ENSG00000100344.10 | 3.239987853 | 4.364143756 | 1.684971248 |
| ZSCAN22 | ENSG00000182318.5 | 2.61565961 | 2.058070409 | 2.216029497 |
| ACVR2A | ENSG00000121989.14 | 2.393289128 | 2.05926263 | 2.686206251 |
| AKAP2 | ENSG00000241978.9 | 5.187123034 | 6.009242087 | 5.848997768 |
| ZBTB26 | ENSG00000171448.8 | 3.471189611 | 3.393890693 | 2.841363047 |
| AC125232.1 | ENSG00000231259.4 | 2.3200439 | 2.497078481 | 2.220761951 |
| SNPH | ENSG00000101298.13 | 2.918311841 | 3.564680724 | 1.643905974 |
| NOP14-AS1 | ENSG00000249673.6 | 3.306646405 | 2.525155003 | 3.786290496 |
| MROH6 | ENSG00000204839.8 | 3.114779823 | 2.149823711 | 2.481761037 |
| PRKCH | ENSG00000027075.14 | 4.266897327 | 4.778671085 | 3.273267934 |
| LCAT | ENSG00000213398.7 | 1.819085958 | 1.925324393 | 2.20550558 |
| BCL7A | ENSG00000110987.8 | 2.293658407 | 3.218255414 | 4.896431825 |
| USP46-AS1 | ENSG00000248866.1 | 3.30139552 | 2.304314161 | 2.206893691 |
| ZNF594 | ENSG00000180626.9 | 3.068024058 | 2.47689448 | 2.800188017 |
| LY6G5B | ENSG00000240053.8 | 2.099118604 | 3.002601915 | 3.113628619 |
| KANSL1L | ENSG00000144445.16 | 1.919934467 | 3.008281197 | 3.528620495 |
| AL035541.1 | ENSG00000227297.1 | 6.158453988 | 6.346458763 | 1.514700399 |

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| HDAC9 | ENSG00000048052.21 | 1.654649391 | 4.373749374 | 4.316959929 |
| SMAGP | ENSG00000170545.16 | 4.918348125 | 2.878010095 | 3.043217558 |
| CEP112 | ENSG00000154240.16 | 1.793198948 | 2.100601363 | 3.354717778 |
| GPR89B | ENSG00000188092.14 | 2.254469816 | 1.900941095 | 2.00240853 |
| AC116050.1 | ENSG00000143429.10 | 2.843783279 | 3.43950463 | 2.012499289 |
| TMEM229B | ENSG00000198133.8 | 4.46489964 | 4.107192998 | 4.821486906 |
| HIC2 | ENSG00000169635.9 | 1.953532648 | 2.291815157 | 2.131212073 |
| TMEM117 | ENSG00000139173.9 | 3.282937162 | 3.954335412 | 1.880785129 |
| AC010186.2 | ENSG00000256594.8 | 1.501452375 | 3.453488923 | 3.713440127 |
| MTMR9 | ENSG00000104643.9 | 3.661763741 | 1.531936902 | 3.494973461 |
| MMP25-AS1 | ENSG00000261971.6 | 3.473975283 | 3.273664338 | 2.573685451 |
| PGGHG | ENSG00000142102.15 | 2.818770335 | 4.755712235 | 3.999702773 |
| CGREF1 | ENSG00000138028.15 | 4.149444843 | 4.394539048 | 1.582309831 |
| GRASP | ENSG00000161835.10 | 1.863904705 | 3.411347238 | 2.426706563 |
| FOXO1 | ENSG00000150907.7 | 3.750383468 | 3.671886688 | 2.182770684 |
| TRAF3 | ENSG00000131323.14 | 3.141208059 | 3.235818151 | 1.932841667 |
| ZNF548 | ENSG00000188785.11 | 4.00556625 | 1.712657245 | 4.134587204 |
| ZNF182 | ENSG00000147118.11 | 2.930195875 | 3.334915991 | 2.82785242 |
| KITLG | ENSG00000049130.14 | 1.639553473 | 3.442599634 | 2.565564098 |
| PAQR8 | ENSG00000170915.8 | 2.937474896 | 4.235552915 | 1.703365363 |
| NAT1 | ENSG00000171428.13 | 1.942802234 | 2.210502187 | 2.521749436 |
| AL136370.1 | ENSG00000272579.1 | 1.939029333 | 2.897691477 | 4.085451129 |
| TRMT10B | ENSG00000165275.9 | 3.306965287 | 1.947341193 | 2.432832657 |
| PPP1R13B | ENSG00000088808.16 | 3.271783915 | 2.769252046 | 2.832882174 |
| SYNM | ENSG00000182253.14 | 5.825325011 | 4.914823602 | 6.099781412 |
| USP31 | ENSG00000103404.14 | 3.167892117 | 2.28900919 | 2.198500779 |
| RALGPS2 | ENSG00000116191.17 | 3.829490445 | 3.236591589 | 1.673725948 |
| NUP50-AS1 | ENSG00000226328.6 | 3.583709678 | 3.973826776 | 2.927799256 |
| IRAK4 | ENSG00000198001.13 | 3.290064088 | 3.363902123 | 1.71597227 |
| RHOF | ENSG00000139725.7 | 4.128442267 | 3.616751075 | 2.454336822 |
| CLHC1 | ENSG00000162994.15 | 2.286414227 | 3.467171954 | 1.603428744 |
| PKD1P6-NPIP | ENSG00000270580.5 | 4.121211775 | 2.537389725 | 3.070855881 |
| KBTBD8 | ENSG00000163376.11 | 2.475139381 | 2.046968697 | 1.601248939 |
| SARM1 | ENSG00000004139.13 | 3.944558985 | 4.396479852 | 2.546464895 |
| C18orf54 | ENSG00000166845.13 | 2.583201113 | 3.189662758 | 3.040073573 |
| EFCAB2 | ENSG00000203666.12 | 2.431366675 | 2.219961659 | 2.337550968 |
| MAML2 | ENSG00000184384.13 | 4.677329532 | 2.144281401 | 5.030206457 |
| CA13 | ENSG00000185015.7 | 2.08933375 | 2.706664857 | 2.950559026 |
| AC016876.1 | ENSG00000233223.2 | 5.378040907 | 1.798383365 | 2.516143591 |
| ARL3 | ENSG00000138175.8 | 4.11393598 | 2.446135497 | 3.453080336 |
| FAM50B | ENSG00000145945.5 | 3.058758772 | 4.425977518 | 4.388868344 |
| ZFP30 | ENSG00000120784.15 | 1.513164111 | 2.829364373 | 3.247756716 |
| EPHA2 | ENSG00000142627.12 | 6.051747361 | 1.674806736 | 7.744002443 |
| ZNF738 | ENSG00000172687.13 | 4.954123597 | 3.323896859 | 1.835666018 |
| SACS | ENSG00000151835.14 | 3.293449516 | 2.474331539 | 2.869922201 |
| RRAGD | ENSG00000025039.14 | 3.80573535 | 5.453829486 | 5.693517915 |

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| CA11 | ENSG00000063180.8 | 2.910728839 | 4.394761151 | 2.677419052 |
| NBR2 | ENSG00000198496.10 | 3.559124045 | 2.384881284 | 5.842024024 |
| EID2B | ENSG00000176401.5 | 2.91197669 | 3.332664003 | 1.803945534 |
| PLEKHG3 | ENSG00000126822.16 | 2.646160943 | 3.157055798 | 2.910171783 |
| RPS27AP16 | ENSG00000224631.4 | 3.581813898 | 2.654916241 | 1.99656647 |
| GDPD5 | ENSG00000158555.14 | 3.085166208 | 4.084427452 | 5.001031435 |
| IGIP | ENSG00000182700.4 | 1.540727842 | 1.611055495 | 2.623933488 |
| LIMD2 | ENSG00000136490.8 | 3.283004444 | 3.653090345 | 3.771584601 |
| PINK1-AS | ENSG00000117242.7 | 2.950599091 | 1.633482993 | 1.524201429 |
| PER3 | ENSG00000049246.14 | 1.843117134 | 3.373893736 | 4.478154637 |
| MIR647 | ENSG00000207554.1 | 2.481895483 | 2.719302082 | 3.544086006 |
| FDXACB1 | ENSG00000255561.6 | 2.303530973 | 1.696727671 | 2.201312291 |
| AC010326.4 | ENSG00000270804.1 | 2.120237977 | 2.020164298 | 1.856131676 |
| MT-TS1 | ENSG00000210151.2 | 5.153322394 | 5.629676556 | 3.685562435 |
| UBE2FP1 | ENSG00000224080.1 | 3.333806375 | 2.668977083 | 2.560546513 |
| GLCCI1 | ENSG00000106415.12 | 2.320838375 | 3.02513399 | 3.740616599 |
| CHN1 | ENSG00000128656.13 | 4.885507914 | 3.289222331 | 4.522464044 |
| AC012360.3 | ENSG00000272994.1 | 1.493464632 | 2.54186554 | 2.192269885 |
| PTPN4 | ENSG00000088179.8 | 2.464571551 | 2.770705419 | 3.653970759 |
| MYC | ENSG00000136997.17 | 3.865190435 | 4.202297397 | 4.927138067 |
| ZNF528 | ENSG00000167555.13 | 2.053304636 | 4.060215128 | 4.584609191 |
| TTC30B | ENSG00000196659.9 | 2.507270666 | 2.476014022 | 1.623981531 |
| BCL3 | ENSG00000069399.14 | 4.743729435 | 2.490495832 | 1.537396005 |
| AC024060.1 | ENSG00000271870.1 | 2.783661363 | 3.055587087 | 2.677014649 |
| KIAA1328 | ENSG00000150477.14 | 2.279762785 | 2.682036479 | 2.248564104 |
| ASMTL-AS1 | ENSG00000236017.8 | 2.045457595 | 2.622084875 | 1.57481338 |
| FAM86EP | ENSG00000251669.5 | 2.459793358 | 2.023819127 | 1.665132255 |
| GPR19 | ENSG00000183150.7 | 2.632104241 | 3.501130769 | 3.094653119 |
| ZNF461 | ENSG00000197808.11 | 1.899943361 | 2.510281853 | 2.395757926 |
| ZNF484 | ENSG00000127081.13 | 2.89620561 | 3.297867547 | 1.95250779 |
| ZNF280C | ENSG00000056277.15 | 2.590736456 | 2.940752135 | 1.494647442 |
| AC023509.1 | ENSG00000257379.1 | 3.305161805 | 4.456964426 | 3.652411414 |
| ARHGAP39 | ENSG00000147799.11 | 2.727570392 | 2.0964146 | 1.615604347 |
| LACC1 | ENSG00000179630.10 | 1.545473454 | 2.904559447 | 2.942345005 |
| ZNF230 | ENSG00000159882.12 | 2.26174526 | 1.541118589 | 1.604688834 |
| TRIM36 | ENSG00000152503.9 | 3.414554079 | 1.667305733 | 2.260539611 |
| ZNF25 | ENSG00000175395.15 | 1.46350437 | 2.093465271 | 3.132005228 |
| AL157392.3 | ENSG00000239665.8 | 2.472930724 | 3.196983549 | 3.408637228 |
| SHROOM2 | ENSG00000146950.12 | 5.678098759 | 4.119242904 | 3.540154219 |
| ARMCX5 | ENSG00000125962.14 | 2.73196988 | 3.45938805 | 4.169309403 |
| AC024592.3 | ENSG00000267740.5 | 2.135470689 | 3.118795162 | 2.0629599 |
| RPARP-AS1 | ENSG00000269609.5 | 3.698078579 | 2.117912681 | 3.553664925 |
| NR4A2 | ENSG00000153234.13 | 4.122621149 | 3.659176241 | 1.657728 |
| ZNF699 | ENSG00000196110.7 | 1.691655394 | 2.778574618 | 2.743859002 |
| AC004812.2 | ENSG00000277283.1 | 1.72470771 | 1.584973704 | 2.57693904 |
| AL160006.1 | ENSG00000258634.3 | 2.992160571 | 3.280792681 | 2.078991626 |

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| SMIM14 | ENSG00000163683.11 | 2.706072501 | 2.761689465 | 4.090064744 |
| ABHD18 | ENSG00000164074.14 | 2.748770209 | 1.513374919 | 2.60213273 |
| TMOD2 | ENSG00000128872.9 | 2.929935648 | 1.698240746 | 3.832009144 |
| OSCP1 | ENSG00000116885.18 | 3.249154847 | 2.174553753 | 1.655449389 |
| AC000123.3 | ENSG00000280347.1 | 2.095436254 | 1.532038175 | 2.350253279 |
| AC145207.5 | ENSG00000263731.1 | 2.809146156 | 2.344358629 | 1.482240263 |
| CHAC2 | ENSG00000143942.4 | 4.763562493 | 3.751496377 | 1.691853669 |
| ZNF841 | ENSG00000197608.11 | 2.185309954 | 3.355487045 | 2.295536216 |
| MORN1 | ENSG00000116151.13 | 4.433890357 | 3.854053215 | 1.530146504 |
| EOGT | ENSG00000163378.13 | 4.111040986 | 3.831533947 | 5.128921955 |
| F11R | ENSG00000158769.17 | 2.929429166 | 5.568098826 | 3.676493924 |
| SEMA3B | ENSG00000012171.19 | 6.993274515 | 2.38845484 | 1.868799763 |
| GNAO1 | ENSG00000087258.14 | 5.069113621 | 4.295102358 | 3.75553902 |
| ZNF235 | ENSG00000159917.15 | 2.585060394 | 1.776542625 | 2.537163521 |
| ADGRG6 | ENSG00000112414.14 | 4.974597639 | 5.421309158 | 5.223761102 |
| PYGL | ENSG00000100504.16 | 6.948155574 | 8.249314573 | 2.716786471 |
| ANO8 | ENSG00000074855.10 | 3.72263825 | 2.96687473 | 3.856774374 |
| SMCO4 | ENSG00000166002.6 | 1.609144477 | 3.120340025 | 3.144855547 |
| EPOP | ENSG00000273604.1 | 4.542868389 | 3.683217071 | 1.506267778 |
| APBB2 | ENSG00000163697.16 | 3.667692412 | 3.13687541 | 5.949662201 |
| ZNF674 | ENSG00000251192.7 | 2.179009877 | 1.990682407 | 2.207040848 |
| C11orf96 | ENSG00000187479.5 | 1.893133382 | 7.694121659 | 5.224561753 |
| TIAM2 | ENSG00000146426.17 | 3.371541185 | 1.708162725 | 2.912390067 |
| AC002467.1 | ENSG00000241764.3 | 2.681887726 | 3.709398671 | 1.791957443 |
| STXBP4 | ENSG00000166263.13 | 1.84224649 | 1.660423892 | 2.392179404 |
| SEL1L3 | ENSG00000091490.10 | 4.881395696 | 4.031462598 | 4.541929124 |
| FJX1 | ENSG00000179431.6 | 4.621739105 | 4.134397006 | 2.774862523 |
| RGL3 | ENSG00000205517.12 | 3.848120125 | 3.875165779 | 3.377996683 |
| JUP | ENSG00000173801.16 | 1.596430974 | 3.985662444 | 2.737910765 |
| SNORA71B | ENSG00000235408.5 | 2.840965769 | 2.923195355 | 1.78308775 |
| ZSWIM3 | ENSG00000132801.6 | 2.412985698 | 1.660260331 | 2.368952731 |
| OXCT1 | ENSG00000083720.12 | 5.806225493 | 5.324114215 | 6.22542283 |
| GIMAP2 | ENSG00000106560.10 | 2.031732319 | 1.678046325 | 3.381086617 |
| ERVK13-1 | ENSG00000260565.6 | 2.855165736 | 2.498337221 | 2.981950674 |
| DLG3 | ENSG00000082458.11 | 3.224605253 | 2.174831483 | 2.277048328 |
| LGR4 | ENSG00000205213.13 | 3.202015757 | 2.955943274 | 3.023323096 |
| TTC7B | ENSG00000165914.14 | 1.893075343 | 2.835465967 | 1.919363703 |
| FBXL2 | ENSG00000153558.13 | 1.660041758 | 2.610710132 | 2.705560648 |
| AC018647.2 | ENSG00000271122.1 | 3.44349971 | 3.494039798 | 3.119844297 |
| DIXDC1 | ENSG00000150764.13 | 5.118626706 | 2.530930768 | 1.871600639 |
| BTN3A3 | ENSG00000111801.15 | 3.26485112 | 3.412456375 | 1.453513414 |
| C19orf57 | ENSG00000132016.11 | 2.85530888 | 2.738468278 | 3.515871116 |
| LURAP1 | ENSG00000171357.5 | 2.113341537 | 3.420173474 | 1.988959485 |
| SH3D21 | ENSG00000214193.10 | 2.853050463 | 2.150372386 | 2.42811271 |
| ZNF416 | ENSG00000083817.8 | 2.689510886 | 1.43784692 | 2.769804264 |
| FAM78B | ENSG00000188859.6 | 4.242153627 | 1.617629587 | 3.148251735 |

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| TET2 | ENSG00000168769.13 | 2.911652615 | 1.993331191 | 3.166541118 |
| RAB40B | ENSG00000141542.10 | 2.121205111 | 1.991802599 | 2.467050469 |
| ANKRD42 | ENSG00000137494.13 | 3.562967543 | 2.082992397 | 2.313836231 |
| ZNF775 | ENSG00000196456.11 | 2.046610422 | 2.516477821 | 3.363948933 |
| EEF1AKMT3 | ENSG00000123427.16 | 2.013917733 | 1.879400668 | 5.16211255 |
| ZNF561-AS1 | ENSG00000267106.5 | 1.752554504 | 2.21663379 | 2.872865476 |
| TMEM106A | ENSG00000184988.8 | 2.249073564 | 3.292471416 | 2.948868034 |
| TRIM52-AS1 | ENSG00000248275.1 | 3.311616947 | 1.583806673 | 3.927586966 |
| TMEM182 | ENSG00000170417.15 | 1.950610995 | 3.199606646 | 2.849382648 |
| AC007406.5 | ENSG00000261799.1 | 1.667056867 | 2.381361319 | 3.544256907 |
| MT-TM | ENSG00000210112.1 | 2.444797952 | 2.923149604 | 8.114706901 |
| ADCY7 | ENSG00000121281.12 | 4.079388146 | 2.918770118 | 1.753771601 |
| AC012615.1 | ENSG00000261526.2 | 1.667100452 | 1.779640288 | 3.176650796 |
| NUDT18 | ENSG00000275074.1 | 2.367351273 | 3.428430685 | 2.51712161 |
| GAREM2 | ENSG00000157833.12 | 1.636201972 | 3.638748181 | 2.799765705 |
| EXO5 | ENSG00000164002.11 | 3.83549884 | 3.270609677 | 2.155274582 |
| APOLD1 | ENSG00000178878.12 | 1.632533416 | 8.188825791 | 5.763028703 |
| DISC1 | ENSG00000162946.21 | 1.407845635 | 2.207423727 | 3.616527115 |
| MIR1244-3 | ENSG00000283429.1 | 3.448693639 | 2.862718902 | 1.828582705 |
| AC138123.1 | ENSG00000256393.1 | 3.623548682 | 2.985443499 | 1.919789897 |
| ZNF341 | ENSG00000131061.13 | 2.394999908 | 1.816684588 | 1.410931818 |
| CCDC120 | ENSG00000147144.12 | 1.402329028 | 2.976744586 | 1.811559415 |
| AC009275.1 | ENSG00000273297.1 | 1.618125403 | 2.458676853 | 3.283013402 |
| PIK3CD-AS2 | ENSG00000231789.2 | 1.809087666 | 3.8891679 | 3.776223018 |
| ZSCAN16-AS1 | ENSG00000269293.2 | 1.552562467 | 1.84918145 | 2.486087103 |
| HLA-F-AS1 | ENSG00000214922.9 | 1.433793702 | 5.661955482 | 2.961424085 |
| ZNF527 | ENSG00000189164.14 | 2.577022885 | 2.177748526 | 2.488493761 |
| YY2 | ENSG00000230797.2 | 1.982953444 | 2.197397707 | 3.530380412 |
| ZNF33B | ENSG00000196693.14 | 3.749172539 | 1.664778009 | 3.527920759 |
| ZNF264 | ENSG00000083844.10 | 3.445218313 | 2.14526218 | 2.378720991 |
| GATA6 | ENSG00000141448.8 | 1.516487598 | 1.471297292 | 2.980534522 |
| AC012467.2 | ENSG00000271976.1 | 3.245483621 | 2.778181363 | 1.598940313 |
| CCDC15 | ENSG00000149548.14 | 3.142090288 | 1.355132164 | 2.575856452 |
| ZNF805 | ENSG00000204524.6 | 2.383243482 | 2.162426611 | 2.800509361 |
| TAPBPL | ENSG00000139192.11 | 2.874933283 | 1.406564501 | 2.091122397 |
| RASSF7 | ENSG00000099849.14 | 1.930440642 | 2.921400129 | 3.022058241 |
| NUDT13 | ENSG00000166321.13 | 1.814072339 | 1.563133974 | 2.65364025 |
| CAB39L | ENSG00000102547.18 | 1.459278006 | 3.864449393 | 4.30918095 |
| TTLL7 | ENSG00000137941.16 | 1.891922128 | 3.004430584 | 1.576704478 |
| GLYCTK | ENSG00000168237.17 | 3.951955478 | 3.125457317 | 3.137461038 |
| PANK1 | ENSG00000152782.16 | 2.504158238 | 1.925117706 | 1.608898034 |
| AC048341.3 | ENSG00000275180.1 | 3.412570829 | 3.230767018 | 2.924878053 |
| ZNF704 | ENSG00000164684.13 | 2.461453238 | 4.599389128 | 5.72430597 |
| NFKBID | ENSG00000167604.14 | 2.702254158 | 3.41776809 | 2.229150169 |
| CTDSPL | ENSG00000144677.14 | 3.252454839 | 3.769782849 | 1.992854621 |
| CARF | ENSG00000138380.17 | 1.636510482 | 1.797804905 | 1.814470087 |

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| PHLPP2 | ENSG00000040199.18 | 3.335812253 | 2.648011721 | 3.118818074 |
| ZNF329 | ENSG00000181894.14 | 2.139101444 | 3.537738601 | 3.194655217 |
| CAMK2N2 | ENSG00000163888.3 | 2.390590867 | 2.572964323 | 1.932816107 |
| RCBTB2 | ENSG00000136161.12 | 1.78215501 | 2.954722287 | 3.999228183 |
| MIR4442 | ENSG00000283971.1 | 3.312289849 | 2.753969013 | 2.999719835 |
| ZNF589 | ENSG00000164048.13 | 3.413128814 | 3.213000953 | 2.954705113 |
| SLC7A8 | ENSG00000092068.19 | 1.517602706 | 6.541881879 | 7.684779166 |
| TRIM45 | ENSG00000134253.9 | 1.800142441 | 2.903776007 | 2.467947188 |
| ZNF823 | ENSG00000197933.12 | 2.617742351 | 1.387146596 | 2.140063434 |
| MFSD4B | ENSG00000173214.5 | 2.119503012 | 3.031038642 | 2.0551767 |
| GTF2H5 | ENSG00000272047.1 | 2.266944099 | 1.344134267 | 1.716275051 |
| CCDC24 | ENSG00000159214.12 | 2.333344179 | 3.459751621 | 2.908979463 |
| TRIM16L | ENSG00000108448.21 | 4.365970917 | 2.170127811 | 2.633363272 |
| C14orf80 | ENSG00000185347.17 | 4.385262371 | 3.488598163 | 1.416824175 |
| RNF217 | ENSG00000146373.16 | 2.287728132 | 1.725535609 | 2.406719218 |
| AC021097.1 | ENSG00000272661.1 | 2.170058606 | 2.674239188 | 1.718666261 |
| SLC2A6 | ENSG00000160326.13 | 2.933135366 | 5.040926627 | 1.481102655 |
| C17orf49 | ENSG00000258315.5 | 3.111396993 | 1.758085282 | 2.56002038 |
| ZNF460 | ENSG00000197714.8 | 2.488176301 | 1.358996949 | 2.792087707 |
| PCNX2 | ENSG00000135749.18 | 4.347575874 | 2.825494355 | 3.678749099 |
| FKRP | ENSG00000181027.10 | 4.420804866 | 2.201654068 | 3.594963016 |
| SNORD17 | ENSG00000212232.1 | 5.185616267 | 3.555559796 | 1.729256058 |
| MIR6835 | ENSG00000276404.1 | 2.604348579 | 1.758900403 | 1.850388922 |
| MEX3A | ENSG00000254726.2 | 4.672006778 | 3.139279165 | 1.681918775 |
| TGFA | ENSG00000163235.15 | 8.572803089 | 4.421665364 | 1.907918912 |
| AC022400.7 | ENSG00000279088.1 | 2.697679692 | 2.405381978 | 2.687675087 |
| BEND3 | ENSG00000178409.13 | 2.713861851 | 2.516368588 | 1.375557195 |
| IRF7 | ENSG00000185507.19 | 2.039101769 | 2.676258221 | 4.249654506 |
| PUS7L | ENSG00000129317.14 | 3.577923899 | 2.96712503 | 1.646490282 |
| ZNF232 | ENSG00000167840.13 | 4.048369327 | 1.589165369 | 2.657644839 |
| ZNF431 | ENSG00000196705.8 | 2.740760027 | 2.297526018 | 1.630435257 |
| PPP4R1L | ENSG00000124224.16 | 3.111282937 | 3.175262654 | 1.670690241 |
| PPP1R3E | ENSG00000235194.8 | 2.253155446 | 1.523791594 | 1.754141723 |
| DGKH | ENSG00000102780.16 | 2.79704774 | 2.449463013 | 2.699939324 |
| FAM171A2 | ENSG00000161682.14 | 1.930207359 | 2.43065154 | 1.707213055 |
| RAB20 | ENSG00000139832.4 | 4.323873378 | 4.788407688 | 1.459337101 |
| AL138724.1 | ENSG00000272269.1 | 1.445955896 | 1.692421604 | 2.127172745 |
| NT5M | ENSG00000205309.13 | 1.974810974 | 2.487855324 | 2.106261472 |
| VASH1-AS1 | ENSG00000258301.3 | 1.84171137 | 2.156064456 | 3.753785915 |
| TDP1 | ENSG00000042088.13 | 4.392117142 | 3.111957582 | 1.690219246 |
| EFNA4 | ENSG00000243364.7 | 3.123141399 | 3.408494176 | 1.431863153 |
| ZBTB49 | ENSG00000168826.15 | 2.196514574 | 1.614094235 | 3.260515013 |
| FZD4 | ENSG00000174804.3 | 3.805566503 | 2.237149087 | 1.289846626 |
| AZIN2 | ENSG00000142920.16 | 2.144955039 | 2.817338065 | 1.425660371 |
| ZXDB | ENSG00000198455.4 | 2.715034365 | 2.427238757 | 2.638813197 |
| AC092368.3 | ENSG00000261512.2 | 1.382855882 | 2.801063018 | 2.830979034 |

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| NPAS1 | ENSG00000130751.9 | 3.572622153 | 5.029428788 | 5.297948601 |
| AL731577.2 | ENSG00000249456.1 | 3.597490191 | 2.385005452 | 3.477445789 |
| GNG4 | ENSG00000168243.10 | 5.716943019 | 3.023565007 | 4.385143204 |
| AC068870.2 | ENSG00000277782.1 | 2.437848019 | 3.212403305 | 4.810128173 |
| PARD6G | ENSG00000178184.15 | 2.997197154 | 5.186376521 | 3.794110089 |
| C16orf95 | ENSG00000260456.6 | 1.368183281 | 2.159473574 | 1.713178527 |
| FRS3 | ENSG00000137218.10 | 2.00514856 | 2.639108306 | 2.473400025 |
| COL27A1 | ENSG00000196739.14 | 4.08065722 | 3.83345272 | 4.085525411 |
| AC015813.1 | ENSG00000264112.1 | 1.579211314 | 3.166858383 | 2.693580421 |
| NAT6 | ENSG00000243477.5 | 3.944222988 | 3.561399897 | 1.583489307 |
| DAGLA | ENSG00000134780.9 | 2.391226362 | 1.330507799 | 3.067615798 |
| AC091982.4 | ENSG00000275765.5 | 2.261400286 | 1.569944411 | 1.533594523 |
| MIR3681HG | ENSG00000224184.5 | 2.999791161 | 1.534902352 | 2.07857178 |
| MTCO2P12 | ENSG00000229344.1 | 1.51079533 | 3.251255321 | 3.475406087 |
| TCEANC2 | ENSG00000116205.12 | 2.469859862 | 1.698090594 | 1.420439031 |
| FO538757.1 | ENSG00000279457.4 | 2.133913347 | 1.50994576 | 3.375703552 |
| PSTK | ENSG00000179988.13 | 2.807412556 | 1.85734158 | 1.291604652 |
| FAM185A | ENSG00000222011.8 | 2.668121006 | 2.30812989 | 1.523173065 |
| MTND1P23 | ENSG00000225972.1 | 1.470802442 | 3.235015824 | 2.05875309 |
| RGS20 | ENSG00000147509.13 | 1.474167266 | 5.031453557 | 5.070033952 |
| AC009237.14 | ENSG00000272913.1 | 3.897921858 | 1.419776763 | 3.87092348 |
| PIM1 | ENSG00000137193.13 | 3.103042561 | 1.445097152 | 2.735185383 |
| DDX58 | ENSG00000107201.9 | 1.486738938 | 2.016963434 | 1.266877595 |
| HYI | ENSG00000178922.16 | 4.54048352 | 2.989853305 | 3.502611093 |
| AC083899.1 | ENSG00000204745.3 | 1.313261022 | 1.825986868 | 1.459504153 |
| CXorf57 | ENSG00000147231.13 | 2.489107101 | 2.95175912 | 4.494445125 |
| ZNF530 | ENSG00000183647.10 | 2.614953045 | 1.600327997 | 1.87494078 |
| BX322557.1 | ENSG00000215447.7 | 3.951372158 | 3.223738483 | 2.333302316 |
| NKX6-1 | ENSG00000163623.9 | 2.989055455 | 2.098951116 | 2.11513871 |
| DNAJC15 | ENSG00000120675.5 | 2.016246293 | 3.89634978 | 3.43244439 |
| AL604028.1 | ENSG00000230896.1 | 2.23152223 | 1.821693612 | 2.24944897 |
| ZNF606 | ENSG00000166704.11 | 2.045605057 | 1.457917563 | 2.780094339 |
| PTPN21 | ENSG00000070778.12 | 2.021997048 | 1.335488977 | 2.126296959 |
| LRRC49 | ENSG00000137821.11 | 3.216297178 | 2.333226165 | 3.099581023 |
| AC073335.2 | ENSG00000273142.1 | 2.58426877 | 3.836531031 | 3.142278613 |
| TMPPE | ENSG00000188167.8 | 2.160967399 | 2.218490451 | 1.689126991 |
| TLR3 | ENSG00000164342.12 | 2.601332918 | 2.228088231 | 2.212619865 |
| AC012513.3 | ENSG00000279348.1 | 2.502164022 | 1.522911944 | 1.237892761 |
| NOTCH2NL | ENSG00000264343.5 | 5.294308038 | 2.514543515 | 2.449749249 |
| GLUD2 | ENSG00000182890.4 | 2.189716808 | 4.393766664 | 3.232394023 |
| SNORA52 | ENSG00000199785.1 | 3.123125034 | 3.072428409 | 2.409094468 |
| LINC01560 | ENSG00000196741.5 | 2.668164301 | 1.661272339 | 1.943865252 |
| ZNF260 | ENSG00000254004.6 | 3.147426134 | 3.689119349 | 2.386411038 |
| ZNF772 | ENSG00000197128.11 | 4.157305753 | 1.482044735 | 2.709366242 |
| RAB30 | ENSG00000137502.9 | 2.057637263 | 1.838613001 | 3.000081352 |
| ZDHHC14 | ENSG00000175048.16 | 2.079150756 | 1.747885274 | 2.688810709 |

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| KDM7A | ENSG00000006459.10 | 2.832465987 | 2.052967478 | 3.281925573 |
| MCM3AP-AS1 | ENSG00000215424.9 | 1.61496197 | 2.417056946 | 2.111729649 |
| CCDC121 | ENSG00000176714.9 | 2.312192795 | 1.974220174 | 2.339319555 |
| MDM4 | ENSG00000198625.12 | 3.224567706 | 2.494673822 | 3.421782096 |
| ZNF133 | ENSG00000125846.15 | 2.985398354 | 2.792384633 | 2.162192278 |
| AL021707.2 | ENSG00000228274.3 | 2.601866363 | 2.493759732 | 2.949536695 |
| AC022509.3 | ENSG00000256894.1 | 1.848967653 | 3.111770778 | 2.750948443 |
| NP1PA1 | ENSG00000183426.16 | 2.469732532 | 2.65792679 | 3.814531989 |
| TTC7A | ENSG00000068724.15 | 3.840293292 | 3.258783579 | 1.429730656 |
| HCN3 | ENSG00000143630.9 | 1.383098725 | 2.11891032 | 1.624077169 |
| RECK | ENSG00000122707.11 | 2.448289649 | 3.261362546 | 1.510086811 |
| SP140L | ENSG00000185404.16 | 4.127962603 | 4.186420661 | 1.515863 |
| ZNF597 | ENSG00000167981.5 | 1.510255847 | 2.929367807 | 1.749881714 |
| GABPB1-AS1 | ENSG00000244879.6 | 4.20016833 | 4.262471687 | 3.001741327 |
| AF117829.1 | ENSG00000251136.8 | 2.712151581 | 1.615067469 | 3.572626118 |
| TEAD2 | ENSG00000074219.13 | 4.673123617 | 5.391920896 | 1.334911585 |
| PPP2R3A | ENSG00000073711.10 | 3.983993803 | 4.072262784 | 1.659193189 |
| PRAG1 | ENSG00000275342.4 | 1.667297607 | 2.265248813 | 4.519228272 |
| snoU2_19 | ENSG00000201592.1 | 3.159383505 | 1.609044368 | 2.976806426 |
| CCDC28B | ENSG00000160050.14 | 4.936886167 | 1.479626144 | 3.344719033 |
| ZNF619 | ENSG00000177873.12 | 2.302293573 | 2.56852371 | 2.946923661 |
| HERC2P3 | ENSG00000180229.12 | 3.821676663 | 3.527950551 | 3.825171037 |
| AC135983.2 | ENSG00000223509.8 | 2.198283828 | 1.672559936 | 2.62652315 |
| LRMDA | ENSG00000148655.14 | 1.612612282 | 3.769261619 | 5.862360736 |
| ARID3B | ENSG00000179361.17 | 1.762857625 | 3.717401633 | 1.940988271 |
| ZNF782 | ENSG00000196597.11 | 2.226398649 | 2.663761586 | 2.0633807 |
| RILP | ENSG00000167705.11 | 2.333119276 | 2.17939409 | 3.210323269 |
| ZNF445 | ENSG00000185219.16 | 2.881561235 | 3.159243279 | 2.450782347 |
| PGM2L1 | ENSG00000165434.7 | 1.359320661 | 2.825824075 | 1.94733157 |
| FBXL20 | ENSG00000108306.11 | 4.271530594 | 3.62542221 | 4.01162186 |
| SLC7A2 | ENSG00000003989.17 | 3.021690075 | 4.337744883 | 3.779169209 |
| AC092919.2 | ENSG00000279673.1 | 1.830725442 | 2.921024919 | 1.970412973 |
| AC109322.1 | ENSG00000255224.1 | 2.637561891 | 3.310675752 | 2.213511412 |
| NRG2 | ENSG00000158458.19 | 3.135531775 | 1.430928875 | 1.571681224 |
| ALG10 | ENSG00000139133.6 | 3.299486751 | 2.537950093 | 1.393761344 |
| ZNF77 | ENSG00000175691.8 | 2.270060565 | 3.337730239 | 3.109558423 |
| AP002387.1 | ENSG00000254682.1 | 3.122361624 | 3.148889348 | 1.520071787 |
| SLC37A2 | ENSG00000134955.11 | 5.356176006 | 4.323497117 | 1.389925232 |
| ZNF221 | ENSG00000159905.14 | 1.778357508 | 1.981300365 | 1.614894558 |
| GALNT12 | ENSG00000119514.6 | 1.359397675 | 4.170123371 | 2.95935982 |
| EFCAB13 | ENSG00000178852.15 | 2.491749277 | 2.42095125 | 2.13597703 |
| TTC21A | ENSG00000168026.18 | 2.129852486 | 2.581427622 | 2.756972485 |
| MSTO2P | ENSG00000203761.5 | 2.124455718 | 2.314609702 | 1.740870972 |
| KLF12 | ENSG00000118922.17 | 2.799071988 | 3.109862038 | 4.156543161 |
| LRP5 | ENSG00000162337.11 | 5.466718123 | 5.27284022 | 4.364341231 |
| ZNF17 | ENSG00000186272.12 | 2.639043337 | 1.664919556 | 2.330313692 |

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| DPF1 | ENSG00000011332.19 | 3.720577889 | 2.760534314 | 1.619854186 |
| PDIA3P1 | ENSG00000180867.10 | 2.23532603 | 2.328830308 | 2.733519558 |
| ZNF41 | ENSG00000147124.12 | 3.552778976 | 2.144985753 | 2.175711226 |
| OTX1 | ENSG00000115507.9 | 1.642434708 | 3.094756144 | 2.301323252 |
| EPAS1 | ENSG00000116016.13 | 1.22964807 | 7.03422545 | 7.999532341 |
| PCOLCE2 | ENSG00000163710.7 | 4.342018312 | 4.702888762 | 2.803354677 |
| ZBTB43 | ENSG00000169155.9 | 1.83132076 | 2.882481527 | 2.655356349 |
| ZDHHC21 | ENSG00000175893.11 | 4.00442899 | 3.116471898 | 2.958119667 |
| HTD2 | ENSG00000255154.7 | 4.392840511 | 4.286370838 | 1.64676708 |
| SNORD48 | ENSG00000201823.1 | 2.87561752 | 2.584226207 | 2.232484224 |
| TBC1D12 | ENSG00000108239.8 | 3.025246419 | 1.661828625 | 2.88403408 |
| THAP10 | ENSG00000129028.8 | 2.953179806 | 1.440816026 | 1.75095696 |
| LRIG3 | ENSG00000139263.11 | 4.665211447 | 2.790075642 | 1.552246004 |
| AC009506.1 | ENSG00000224152.1 | 1.581520052 | 2.25004357 | 2.013735668 |
| CAPS2 | ENSG00000180881.19 | 1.58113717 | 2.325140278 | 4.268042868 |
| ZBTB12 | ENSG00000204366.3 | 3.577953614 | 2.364667518 | 3.310162822 |
| FGFR1 | ENSG00000077782.19 | 4.065064489 | 3.780410836 | 5.664568908 |
| LINC01963 | ENSG00000260804.3 | 3.346374094 | 2.30342393 | 1.232061411 |
| GSEC | ENSG00000280832.1 | 3.017682891 | 1.325501021 | 1.354510837 |
| TTC30A | ENSG00000197557.6 | 2.784007939 | 2.756461311 | 1.278769978 |
| RPL3P4 | ENSG00000232573.1 | 3.217611477 | 2.304382823 | 2.365856814 |
| SALL2 | ENSG00000165821.11 | 2.260521352 | 2.892779864 | 2.988339597 |
| ZNF136 | ENSG00000196646.11 | 2.523929615 | 1.627616671 | 2.03218683 |
| LINC00205 | ENSG00000223768.1 | 3.096914022 | 2.386481961 | 1.592738446 |
| PQLC3 | ENSG00000162976.12 | 1.352049524 | 5.203864735 | 4.534836016 |
| TRANK1 | ENSG00000168016.13 | 2.904258761 | 3.484327167 | 1.32877782 |
| AC026304.1 | ENSG00000268129.1 | 1.717034582 | 2.672746312 | 1.401805863 |
| AL391244.3 | ENSG00000272455.1 | 3.804268675 | 2.606387574 | 1.463437608 |
| CDHR3 | ENSG00000128536.15 | 1.639355235 | 2.026773549 | 2.568393854 |
| SHF | ENSG00000138606.19 | 2.389515493 | 2.476586877 | 3.007315313 |
| AC242426.3 | ENSG00000237188.3 | 2.281297236 | 2.169809206 | 2.644286869 |
| FIGN | ENSG00000182263.13 | 1.653147332 | 2.835076326 | 3.390610416 |
| AP001107.9 | ENSG00000255468.6 | 1.839093523 | 1.512846376 | 2.972015578 |
| AC008966.1 | ENSG00000247796.2 | 2.01686953 | 1.478495354 | 1.710161034 |
| TBC1D32 | ENSG00000146350.13 | 2.145950123 | 1.434963829 | 1.418983968 |
| NFATC2 | ENSG00000101096.19 | 7.01855785 | 1.64797981 | 7.598598259 |
| DDIAS | ENSG00000165490.12 | 3.43286354 | 2.778812869 | 2.339579409 |
| AC016065.1 | ENSG00000246089.3 | 2.533065184 | 1.254921088 | 2.978601514 |
| TTC28 | ENSG00000100154.14 | 1.593230266 | 1.802324142 | 3.178542251 |
| C1orf74 | ENSG00000162757.4 | 2.877949205 | 1.237264308 | 2.18303161 |
| ZNF570 | ENSG00000171827.10 | 1.892086677 | 2.022195491 | 1.126835173 |
| TEX9 | ENSG00000151575.14 | 1.988322288 | 2.536681655 | 3.542017275 |
| FAM122C | ENSG00000156500.14 | 2.021000854 | 1.913406063 | 2.653872169 |
| SH2D5 | ENSG00000189410.11 | 1.462676608 | 1.247147257 | 1.258728608 |
| TNFRSF21 | ENSG00000146072.6 | 6.227090391 | 4.76071506 | 1.382228707 |
| SLC41A2 | ENSG00000136052.9 | 3.158012495 | 3.476750495 | 2.307981497 |

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| U62317.3 | ENSG00000272821.1 | 2.379511123 | 1.824855509 | 2.037384117 |
| RAB3IP | ENSG00000127328.21 | 2.90353635 | 2.667172218 | 5.124178982 |
| AC125807.2 | ENSG00000250899.3 | 3.413356011 | 1.30503245 | 1.87344493 |
| SLC4A11 | ENSG00000088836.12 | 2.603957482 | 3.049521178 | 1.746642574 |
| TRIM32 | ENSG00000119401.10 | 2.21687606 | 3.650416374 | 1.90208797 |
| ZNF852 | ENSG00000178917.15 | 1.781481113 | 2.071820369 | 2.355798171 |
| CXADR | ENSG00000154639.18 | 1.866983317 | 4.177888291 | 1.97792614 |
| RPL15P3 | ENSG00000212802.4 | 2.673901701 | 2.035471311 | 1.520605658 |
| IQCK | ENSG00000174628.16 | 2.59492564 | 1.805348869 | 2.931925138 |
| LINC00641 | ENSG00000258441.1 | 1.245484518 | 1.515925977 | 1.426359763 |
| CCDC125 | ENSG00000183323.12 | 3.555692018 | 3.138860318 | 3.780355632 |
| AC009061.2 | ENSG00000270049.2 | 1.856634213 | 1.243030708 | 2.728361876 |
| EFR3B | ENSG00000084710.13 | 1.210852189 | 3.523519105 | 3.301404078 |
| TOR3A | ENSG00000186283.13 | 6.203456251 | 5.012927513 | 5.343449672 |
| NCK1-AS1 | ENSG00000239213.5 | 1.359406845 | 2.813363906 | 2.375285252 |
| AC005076.1 | ENSG00000224046.1 | 1.711490642 | 1.314797135 | 1.748162475 |
| CYB5R4 | ENSG00000065615.13 | 2.513807666 | 2.549805726 | 2.367094748 |
| BCLAF3 | ENSG00000173681.16 | 2.377227471 | 2.145874135 | 3.624885991 |
| AL451165.2 | ENSG00000272288.5 | 1.333065672 | 2.195089526 | 2.207049909 |
| PPM1M | ENSG00000164088.17 | 3.89544005 | 3.283970837 | 2.639236417 |
| MTCP1 | ENSG00000214827.9 | 3.121814927 | 2.803211946 | 2.810105144 |
| DCBLD1 | ENSG00000164465.18 | 3.448296088 | 2.676326403 | 3.976301604 |
| AC114271.1 | ENSG00000274425.1 | 3.139220154 | 2.397438363 | 1.097298045 |
| HIST2H2BE | ENSG00000184678.10 | 1.419470752 | 4.805766014 | 1.284328176 |
| MVB12B | ENSG00000196814.14 | 3.31743042 | 3.545721896 | 2.904639907 |
| ST3GAL6-AS1 | ENSG00000239445.5 | 2.121560592 | 3.690026248 | 4.647522934 |
| TMEM44-AS1 | ENSG00000231770.5 | 2.912138821 | 3.614430671 | 1.468620365 |
| SLC27A5 | ENSG00000083807.9 | 4.010411553 | 1.668435818 | 2.038705843 |
| KBTBD3 | ENSG00000182359.14 | 2.549818821 | 1.895106795 | 2.412200209 |
| ZNF85 | ENSG00000105750.14 | 3.881721023 | 2.936811107 | 1.340475524 |
| NRDE2 | ENSG00000119720.17 | 2.675582789 | 2.154207313 | 1.115151135 |
| ARRDC4 | ENSG00000140450.8 | 2.420867866 | 3.788576177 | 1.237059113 |
| SIX4 | ENSG00000100625.8 | 3.411030628 | 2.50478926 | 2.372695345 |
| ATP2A1-AS1 | ENSG00000260442.5 | 3.940255143 | 2.069258511 | 2.081760655 |
| STXBP6 | ENSG00000168952.15 | 1.142517275 | 3.335794854 | 4.804162165 |
| ATP7B | ENSG00000123191.14 | 1.971519353 | 3.449176186 | 4.114493698 |
| EPM2A | ENSG00000112425.14 | 2.497503914 | 1.951947678 | 2.09017501 |
| ZNF223 | ENSG00000178386.12 | 1.611865507 | 1.735963288 | 2.289892917 |
| STARD7-AS1 | ENSG00000204685.6 | 1.382076832 | 2.839398109 | 2.164951536 |
| VASH1 | ENSG00000071246.10 | 3.624913454 | 1.275203326 | 4.646703551 |
| KLF5 | ENSG00000102554.13 | 5.059094645 | 3.564976349 | 1.709062129 |
| FTX | ENSG00000230590.9 | 2.951952015 | 3.878193581 | 2.078231919 |
| KIF24 | ENSG00000186638.16 | 2.582254453 | 1.369957392 | 1.091083451 |
| FBXL15 | ENSG00000107872.12 | 4.000176456 | 3.342752792 | 3.121206678 |
| ZNF250 | ENSG00000196150.13 | 2.471693548 | 1.405648631 | 2.476665558 |
| LINC00630 | ENSG00000223546.6 | 2.482551883 | 3.059955836 | 2.843023963 |

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| MT-TN | ENSG00000210135.1 | 3.486892594 | 3.744449134 | 2.666848909 |
| SNORA24 | ENSG00000275994.1 | 3.616375035 | 2.468911935 | 2.125117318 |
| CYB5D1 | ENSG00000182224.11 | 2.55031605 | 1.242718344 | 1.403126869 |
| SLC31A2 | ENSG00000136867.10 | 2.76401938 | 4.84136693 | 1.364120784 |
| MAP1B | ENSG00000131711.14 | 4.93943943 | 4.859149289 | 7.5048444 |
| GFOD1 | ENSG00000145990.10 | 1.337767604 | 3.396372307 | 2.522921203 |
| EEPD1 | ENSG00000122547.10 | 1.637992113 | 3.57754747 | 2.358082982 |
| ABHD8 | ENSG00000127220.5 | 4.801733547 | 4.321498487 | 4.427996635 |
| SNORA5C | ENSG00000201772.1 | 2.554462423 | 3.242425002 | 2.432907236 |
| ZNF839 | ENSG00000022976.15 | 2.879207789 | 2.971649454 | 1.432670242 |
| PDCD4-AS1 | ENSG00000203497.2 | 2.646623164 | 2.454307346 | 3.548411047 |
| RUNX1 | ENSG00000159216.18 | 4.768201199 | 4.203031711 | 1.092051765 |
| PDCL | ENSG00000136940.13 | 5.074326524 | 5.168085273 | 1.417193703 |
| ZFP1 | ENSG00000184517.11 | 3.724664765 | 2.925488354 | 3.977912565 |
| AP006621.3 | ENSG00000255284.1 | 2.899173496 | 3.348281422 | 1.288300447 |
| TNFAIP8 | ENSG00000145779.7 | 1.82131948 | 1.46282639 | 1.680602489 |
| GCH1 | ENSG00000131979.18 | 2.232788492 | 1.126762778 | 3.224611289 |
| AC040169.1 | ENSG00000260018.1 | 1.261360295 | 1.725507274 | 1.831181417 |
| ZNF84 | ENSG00000198040.10 | 3.816669427 | 3.513508156 | 1.578983888 |
| ZNF615 | ENSG00000197619.13 | 2.768822817 | 2.130746204 | 2.25838272 |
| AC083880.1 | ENSG00000273391.1 | 2.484935513 | 1.772049117 | 2.296490493 |
| AL691447.3 | ENSG00000282886.1 | 2.418170502 | 1.731653369 | 1.424751229 |
| A2M | ENSG00000175899.14 | 5.543726942 | 7.030302451 | 7.922212568 |
| PELI2 | ENSG00000139946.9 | 2.978496247 | 3.174941072 | 3.811548333 |
| ANKRD36C | ENSG00000174501.14 | 2.101395204 | 2.43893485 | 1.083675197 |
| MIR22HG | ENSG00000186594.14 | 2.504068027 | 2.285922385 | 3.533172281 |
| ZNF324 | ENSG00000083812.11 | 3.350404222 | 2.378698824 | 2.267108437 |
| TRAM2-AS1 | ENSG00000225791.6 | 2.136537901 | 1.964466359 | 2.791316372 |
| FSCN1 | ENSG00000075618.17 | 8.717375563 | 1.353396471 | 6.657951875 |
| RPLPOP6 | ENSG00000213553.4 | 2.900254273 | 1.508660017 | 2.631810388 |
| ZNF627 | ENSG00000198551.9 | 3.670074596 | 2.972416859 | 3.193035803 |
| ERBB2 | ENSG00000141736.13 | 5.41600921 | 5.229339847 | 1.32732337 |
| PDZRN3 | ENSG00000121440.14 | 3.552760807 | 5.614247242 | 4.869020608 |
| RASSF4 | ENSG00000107551.20 | 1.590409363 | 1.687983161 | 1.983587776 |
| HIST1H2AC | ENSG00000180573.9 | 1.482576327 | 4.896805708 | 1.410606959 |
| FAXC | ENSG00000146267.11 | 1.201532306 | 1.961225343 | 2.239803091 |
| ZNF724 | ENSG00000196081.9 | 4.283691256 | 2.503420801 | 1.140254326 |
| GOLGA7B | ENSG00000155265.10 | 3.943533016 | 4.277250778 | 3.97368124 |
| PARGP1 | ENSG00000239883.8 | 2.37440849 | 1.830786717 | 1.837577429 |
| TMTC1 | ENSG00000133687.15 | 1.255148003 | 3.735815833 | 2.796356712 |
| HOXD13 | ENSG00000128714.5 | 3.496623003 | 3.471525206 | 3.292607116 |
| LINC01481 | ENSG00000257815.5 | 2.393590872 | 1.378199517 | 3.199838169 |
| LBH | ENSG00000213626.11 | 1.149505028 | 4.22232129 | 5.549097511 |
| AL118516.1 | ENSG00000260708.1 | 3.851372217 | 3.559162638 | 3.189211911 |
| AC024075.2 | ENSG00000269044.2 | 2.624274858 | 3.401206099 | 2.569027469 |
| AC138696.2 | ENSG00000272172.1 | 2.081477055 | 2.333294598 | 1.463494786 |

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| SCN1B | ENSG00000105711.11 | 2.124434937 | 2.658259848 | 1.912604149 |
| AP003486.1 | ENSG00000255455.2 | 1.770519004 | 1.101863299 | 2.467912716 |
| TNFSF9 | ENSG00000125657.4 | 4.182765424 | 1.539713516 | 4.347872105 |
| ZNF696 | ENSG00000185730.7 | 3.309466356 | 2.135847991 | 3.07641102 |
| MIR186 | ENSG00000207721.1 | 2.738671637 | 2.108629146 | 2.561303055 |
| ZBTB37 | ENSG00000185278.15 | 2.056997248 | 2.029715602 | 1.753067539 |
| ZNF419 | ENSG00000105136.20 | 3.052799702 | 1.102917969 | 2.581214848 |
| MINDY4 | ENSG00000106125.14 | 4.192843534 | 2.809327358 | 1.529038628 |
| COL7A1 | ENSG00000114270.17 | 3.364077724 | 2.494944897 | 2.445435293 |
| AL133520.1 | ENSG00000273893.1 | 1.686162755 | 2.047307461 | 3.019336606 |
| FAM3C2 | ENSG00000174028.6 | 2.561562071 | 1.769918115 | 1.28938455 |
| IL18BP | ENSG00000137496.17 | 1.270919175 | 1.926520309 | 1.671821191 |
| TPT1-AS1 | ENSG00000170919.15 | 3.669782122 | 4.320092629 | 3.00628296 |
| PLXNA2 | ENSG00000076356.6 | 1.384409764 | 1.140390712 | 5.836570735 |
| SNORA73B | ENSG00000200087.1 | 4.386517116 | 3.350583274 | 1.383176308 |
| IRX5 | ENSG00000176842.14 | 3.226931367 | 2.536934497 | 3.214354682 |
| LINC01293 | ENSG00000230836.1 | 5.004265235 | 1.311395692 | 2.030152005 |
| PHKA1 | ENSG00000067177.14 | 4.141747392 | 2.988448925 | 3.987439692 |
| AC127502.2 | ENSG00000270055.1 | 1.638663216 | 1.577439125 | 2.366936597 |
| ACVR2B | ENSG00000114739.13 | 2.974480825 | 3.595901008 | 2.839757097 |
| ZNF23 | ENSG00000167377.17 | 2.400041666 | 2.279432569 | 3.405843964 |
| TNFSF12 | ENSG00000239697.10 | 1.070738032 | 2.689172541 | 4.927487657 |
| AP006621.5 | ENSG00000279672.1 | 2.505082888 | 2.877177718 | 1.706551619 |
| AL035587.1 | ENSG00000231113.2 | 1.74513445 | 1.783989164 | 1.717501372 |
| 44077 | ENSG00000100167.19 | 2.259811757 | 4.535973811 | 5.181780123 |
| SNORD69 | ENSG00000212452.1 | 2.086786792 | 2.554498111 | 1.299190707 |
| AL162231.1 | ENSG00000187186.14 | 2.317245273 | 3.383998726 | 2.420519372 |
| FAM83H | ENSG00000180921.6 | 0.996126871 | 5.221714526 | 2.240518651 |
| C17orf100 | ENSG00000256806.5 | 1.434396823 | 1.304807181 | 2.899485528 |
| SLC22A18AS | ENSG00000254827.5 | 1.171992674 | 2.649768389 | 4.234714334 |
| FAM72B | ENSG00000188610.12 | 3.582392924 | 1.767243406 | 1.143161209 |
| TXNIP | ENSG00000265972.5 | 4.334200394 | 5.063896917 | 2.008638106 |
| TMEM158 | ENSG00000249992.1 | 5.291775 | 4.884260592 | 4.019895819 |
| ADAT3 | ENSG00000213638.5 | 2.70324269 | 2.891944199 | 2.381617161 |
| BMF | ENSG00000104081.13 | 2.836473675 | 1.485653661 | 4.203163259 |
| FANCB | ENSG00000181544.13 | 4.247797397 | 2.460328579 | 1.104948635 |
| FMNL1 | ENSG00000184922.13 | 1.082077447 | 4.229973483 | 3.836932434 |
| CORO1A | ENSG00000102879.15 | 3.868757509 | 1.397906052 | 1.634077965 |
| SYT14 | ENSG00000143469.18 | 2.195239049 | 3.322809636 | 1.45501918 |
| ITPRIP | ENSG00000148841.15 | 5.7788808 | 6.002459868 | 1.019097517 |
| MLKL | ENSG00000168404.12 | 4.675904607 | 2.725975775 | 2.59912975 |
| AC068580.4 | ENSG00000250644.3 | 2.507951966 | 4.762644218 | 4.22611017 |
| AC022107.1 | ENSG00000280187.1 | 2.901857173 | 1.73771322 | 0.996842613 |
| INTU | ENSG00000164066.12 | 0.99205449 | 1.765612017 | 2.244660363 |
| CDK18 | ENSG00000117266.15 | 3.85601137 | 2.840645087 | 2.548546384 |
| NXN | ENSG00000167693.16 | 1.193980671 | 3.723131509 | 5.756990037 |

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| C9orf172 | ENSG00000232434.2 | 2.182632724 | 2.719158119 | 2.997994206 |
| AL450405.1 | ENSG00000230202.1 | 5.216605014 | 2.536608315 | 2.253003808 |
| ARMCX5-GPR | ENSG00000271147.7 | 1.473417782 | 2.815397671 | 3.294531995 |
| AC069281.2 | ENSG00000274272.1 | 1.176833352 | 3.020477592 | 2.372283203 |
| ELF4 | ENSG00000102034.16 | 3.404418173 | 4.474443819 | 4.752231136 |
| GPR146 | ENSG00000164849.9 | 1.545219345 | 1.420437573 | 1.908858448 |
| RPAP2 | ENSG00000122484.8 | 1.983217546 | 2.063057873 | 1.635546051 |
| TLCD2 | ENSG00000185561.9 | 1.887212174 | 1.272074241 | 3.320586078 |
| AC087388.1 | ENSG00000262251.1 | 3.187675518 | 1.41733104 | 1.818331376 |
| ATF3 | ENSG00000162772.16 | 2.972789744 | 1.643653753 | 5.10447218 |
| ROPN1B | ENSG00000114547.9 | 2.967208892 | 3.853927967 | 4.589478436 |
| ZDHHC23 | ENSG00000184307.14 | 2.272325813 | 2.889537408 | 5.070680649 |
| TRPS1 | ENSG00000104447.12 | 3.838401803 | 3.074381166 | 3.102643548 |
| MT-TR | ENSG00000210174.1 | 1.559899857 | 4.036380868 | 1.445466904 |
| DUXAP8 | ENSG00000271672.1 | 2.795954332 | 1.854663367 | 3.000807785 |
| TMCC1-AS1 | ENSG00000271270.5 | 1.095411143 | 2.738382135 | 2.083806314 |
| TM7SF2 | ENSG00000149809.14 | 2.580791602 | 4.170545765 | 4.324409745 |
| AL590867.2 | ENSG00000218426.5 | 2.425068068 | 1.852531581 | 1.319337992 |
| CAMKK1 | ENSG00000004660.14 | 1.588387227 | 1.781696373 | 1.053607877 |
| TBKBP1 | ENSG00000198933.9 | 2.800149605 | 3.9373474 | 4.036200699 |
| AC127024.5 | ENSG00000266490.1 | 3.167116873 | 2.048811868 | 2.1438775 |
| MC1R | ENSG00000258839.3 | 2.837345307 | 3.916548322 | 4.379278325 |
| SNORD62B | ENSG00000231587.1 | 2.438097932 | 3.120666194 | 1.363410674 |
| ZFP82 | ENSG00000181007.8 | 3.344442068 | 1.706912876 | 2.953906549 |
| SNORA5A | ENSG00000206838.1 | 2.1013803 | 3.242577329 | 2.922760447 |
| AC006538.1 | ENSG00000261342.1 | 1.647352844 | 2.106081983 | 1.555183954 |
| MAN1C1 | ENSG00000117643.14 | 2.923143646 | 2.112373607 | 3.187925605 |
| ARHGEF26 | ENSG00000114790.12 | 3.815188697 | 3.938282882 | 1.174288121 |
| AC010642.2 | ENSG00000283103.1 | 2.177843223 | 1.550846855 | 1.491186489 |
| AC141586.1 | ENSG00000215154.6 | 1.746385792 | 2.704369201 | 3.392300428 |
| FAM86B3P | ENSG00000173295.7 | 2.682797013 | 3.138418563 | 2.311513416 |
| C3orf62 | ENSG00000188315.7 | 2.472951417 | 2.106070644 | 1.195619334 |
| AL662795.2 | ENSG00000280128.1 | 2.345251158 | 2.227018763 | 2.087896402 |
| DNASE1 | ENSG00000213918.10 | 1.930159537 | 2.807563139 | 3.88686808 |
| RTP4 | ENSG00000136514.2 | 1.017013681 | 2.458018352 | 2.382007119 |
| RPS3AP26 | ENSG00000214389.2 | 2.481976086 | 1.272046085 | 1.803287486 |
| UBOX5 | ENSG00000185019.16 | 2.014485376 | 2.475229123 | 0.965329132 |
| AC019069.1 | ENSG00000272711.1 | 3.319751882 | 4.066089619 | 1.121798596 |
| PLXNC1 | ENSG00000136040.8 | 0.951050437 | 4.801549379 | 4.996707687 |
| INSR | ENSG00000171105.13 | 3.887609014 | 3.446265872 | 3.620677808 |
| DAPK1 | ENSG00000196730.12 | 1.283384113 | 5.21652 | 3.517421919 |
| WASH7P | ENSG00000227232.5 | 1.203267328 | 1.771964167 | 2.771816103 |
| HNRNPCP1 | ENSG00000258900.1 | 2.084150811 | 1.359454984 | 2.553259027 |
| DTNA | ENSG00000134769.21 | 1.951406519 | 4.409833943 | 1.762195106 |
| JRK | ENSG00000234616.8 | 3.203595672 | 1.776021849 | 2.88102488 |
| CAPS | ENSG00000105519.15 | 5.503709041 | 3.772560716 | 6.960643252 |

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| C1QTNF6 | ENSG00000133466.13 | 1.063659169 | 1.500965167 | 2.249945437 |
| SPRYD4 | ENSG00000176422.13 | 2.07456893 | 2.76912525 | 1.01559189 |
| PRR22 | ENSG00000212123.3 | 3.327481839 | 1.662075192 | 1.79631407 |
| ACYP2 | ENSG00000170634.12 | 2.83119238 | 2.666517125 | 3.077466767 |
| AL355488.2 | ENSG00000273373.1 | 1.253717489 | 1.089093621 | 1.04701504 |
| SLC18B1 | ENSG00000146409.10 | 5.604142379 | 4.837465193 | 3.420441455 |
| AC073842.2 | ENSG00000242798.1 | 1.418415812 | 2.532251726 | 1.687559812 |
| CYP1A1 | ENSG00000140465.13 | 2.090685123 | 3.29499849 | 3.46558115 |
| SNORD14A | ENSG00000272034.1 | 2.825062356 | 3.045010675 | 1.484856269 |
| AL513165.1 | ENSG00000234160.1 | 4.504576351 | 2.763393245 | 1.909639237 |
| BCDIN3D | ENSG00000186666.5 | 3.177176166 | 2.389350176 | 1.167054535 |
| SWSAP1 | ENSG00000173928.2 | 2.675724522 | 1.802220289 | 1.593456401 |
| NANOS1 | ENSG00000188613.6 | 4.706370231 | 2.776754069 | 4.747525624 |
| GALNT4 | ENSG00000257594.3 | 2.247485758 | 1.921853223 | 2.061819599 |
| FMO4 | ENSG00000076258.9 | 1.085647014 | 2.2336445 | 2.986229901 |
| AL163051.2 | ENSG00000276182.1 | 2.265892828 | 1.149692215 | 1.054149931 |
| MAP3K9 | ENSG00000006432.15 | 2.877587531 | 2.467727242 | 1.431603013 |
| ARHGAP27P1 | ENSG00000215769.8 | 2.214875101 | 2.900414204 | 1.299510236 |
| TCAF1P1 | ENSG00000223459.5 | 1.705317757 | 2.073370215 | 1.5567331 |
| KANTR | ENSG00000232593.7 | 3.245785091 | 3.494797566 | 2.934892338 |
| CSF1 | ENSG00000184371.13 | 3.162715692 | 4.165727981 | 1.169988901 |
| AC092279.1 | ENSG00000268362.5 | 3.732315275 | 3.413535687 | 1.157902301 |
| AC015871.3 | ENSG00000278600.1 | 1.476700592 | 2.467983681 | 2.787267052 |
| C17orf97 | ENSG00000187624.8 | 2.085978784 | 1.592925418 | 2.302601759 |
| AC007611.1 | ENSG00000260086.2 | 1.63421259 | 1.214327855 | 3.42636919 |
| TFAP2A-AS1 | ENSG00000229950.1 | 1.142192124 | 3.868417904 | 2.046063534 |
| HYAL3 | ENSG00000186792.16 | 2.842467247 | 2.008928778 | 0.911287225 |
| FSD1L | ENSG00000106701.11 | 2.128186665 | 2.364712967 | 1.364011503 |
| PLSCR4 | ENSG00000114698.14 | 1.058566011 | 3.276008576 | 2.268769231 |
| AP003068.2 | ENSG00000254614.2 | 0.995275661 | 2.368241771 | 3.776829981 |
| BRICD5 | ENSG00000182685.7 | 1.464226079 | 1.816435222 | 1.549466431 |
| NBPF19 | ENSG00000271383.6 | 1.458166629 | 1.677925802 | 0.99113463 |
| AL691432.2 | ENSG00000272106.1 | 1.901515509 | 2.152275346 | 1.336188193 |
| SOX5 | ENSG00000134532.15 | 6.97039032 | 2.905742078 | 5.101720076 |
| TMEM216 | ENSG00000187049.9 | 3.982743641 | 3.278571143 | 2.835517253 |
| AP001000.1 | ENSG00000254612.2 | 1.315871462 | 1.198162919 | 1.386567716 |
| LAMTOR5-AS | ENSG00000224699.8 | 2.172929493 | 2.270225887 | 1.628889321 |
| LPP-AS2 | ENSG00000270959.1 | 1.678260398 | 2.240749387 | 1.414284191 |
| GXYLT2 | ENSG00000172986.12 | 4.224072753 | 3.410483037 | 1.894117579 |
| NEK8 | ENSG00000160602.13 | 1.994955024 | 1.710741536 | 2.89885036 |
| DNAJC27 | ENSG00000115137.11 | 1.329023575 | 2.573357179 | 2.282873523 |
| SPATA2L | ENSG00000158792.15 | 3.801882324 | 3.384054271 | 3.898962703 |
| BTN2A3P | ENSG00000124549.14 | 1.158147833 | 1.884131557 | 1.607859636 |
| HOXC13 | ENSG00000123364.4 | 4.343451654 | 2.324964956 | 2.317124707 |
| RALY-AS1 | ENSG00000228265.5 | 2.050426569 | 2.924118425 | 1.238433706 |
| SSR4P1 | ENSG00000235374.2 | 1.108015332 | 1.304274941 | 3.857620281 |

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| SNORA33 | ENSG00000200534.1 | 3.872434136 | 2.645759974 | 1.385104067 |
| AC027097.1 | ENSG00000267040.6 | 1.557988997 | 3.130295753 | 2.241985694 |
| AL121753.2 | ENSG00000279253.1 | 1.608944185 | 1.297274012 | 1.505551465 |
| C8orf37 | ENSG00000156172.5 | 2.250416575 | 1.990837824 | 1.174634042 |
| MIEF2 | ENSG00000177427.12 | 1.270030572 | 1.489534375 | 1.396088868 |
| METTL25 | ENSG00000127720.7 | 2.227896426 | 1.962247506 | 1.60173642 |
| ZNF155 | ENSG00000204920.10 | 2.636702695 | 2.252675668 | 2.558713105 |
| DUSP19 | ENSG00000162999.12 | 1.053061162 | 2.512567308 | 2.923744554 |
| LINC01137 | ENSG00000233621.1 | 2.240881887 | 1.642892479 | 1.273638609 |
| AP001453.3 | ENSG00000257086.1 | 1.835273929 | 1.733191629 | 1.695194315 |
| IFI27L1 | ENSG00000165948.10 | 3.25115301 | 3.803904496 | 1.129303239 |
| ZNF70 | ENSG00000187792.4 | 1.439430222 | 3.345340244 | 2.808096764 |
| CBR3-AS1 | ENSG00000236830.6 | 1.78955507 | 1.576033423 | 1.433011536 |
| SRGAP2C | ENSG00000171943.11 | 2.355868657 | 2.302856625 | 0.996243254 |
| LINC01521 | ENSG00000213888.3 | 2.826923623 | 2.354784562 | 1.899761399 |
| SCRN1 | ENSG00000136193.16 | 7.556326514 | 5.742884396 | 7.086651843 |
| SNAI2 | ENSG00000019549.9 | 3.891186103 | 7.229862047 | 1.063086599 |
| LRR8B | ENSG00000197147.13 | 2.195855906 | 2.60012249 | 3.871696757 |
| FUOM | ENSG00000148803.11 | 4.292287472 | 4.616626679 | 2.827875134 |
| LINC00327 | ENSG00000232977.6 | 2.33429464 | 1.258566824 | 2.780792624 |
| ZNF629 | ENSG00000102870.5 | 3.664272836 | 3.372311171 | 3.804577896 |
| TCP11L2 | ENSG00000166046.10 | 3.254006488 | 2.868356405 | 2.347359475 |
| ZNF506 | ENSG00000081665.13 | 3.567272387 | 2.897089987 | 2.920579422 |
| ELOA-AS1 | ENSG00000236810.5 | 2.70268982 | 3.143076771 | 1.857180256 |
| ZNF140 | ENSG00000196387.9 | 2.934039396 | 3.03260584 | 1.47954143 |
| VPS37D | ENSG00000176428.5 | 1.264886624 | 2.631767162 | 2.26538303 |
| RWDD2A | ENSG00000013392.7 | 1.475449395 | 2.098479325 | 2.102673197 |
| ZC3HAV1L | ENSG00000146858.7 | 1.161169712 | 1.181662712 | 3.375209214 |
| PEG10 | ENSG00000242265.5 | 1.268373102 | 4.175798643 | 2.279756657 |
| LIPT1 | ENSG00000144182.16 | 2.255407854 | 2.478169957 | 3.085845714 |
| RPS6KA5 | ENSG00000100784.10 | 2.350296919 | 2.134678854 | 2.17956635 |
| RPS6KA2 | ENSG00000071242.11 | 3.521192028 | 5.429825644 | 6.479253483 |
| AL031775.1 | ENSG00000272345.1 | 1.34355662 | 0.924527244 | 1.830363582 |
| RFX2 | ENSG00000087903.12 | 3.021150993 | 1.543062203 | 1.895794269 |
| SNORD63B | ENSG00000222937.1 | 2.394360949 | 3.063574265 | 3.747715228 |
| MEIS1 | ENSG00000143995.19 | 2.544895917 | 2.349931162 | 0.879968013 |
| ZNF141 | ENSG00000131127.13 | 3.630004523 | 2.809491971 | 3.353685471 |
| Z68871.1 | ENSG00000239407.5 | 1.845251719 | 2.293802193 | 2.054707335 |
| ZFP28 | ENSG00000196867.7 | 1.88850393 | 2.206375741 | 2.548149029 |
| DISP1 | ENSG00000154309.8 | 2.561869532 | 1.291402999 | 1.882896128 |
| AC004893.2 | ENSG00000242687.2 | 1.658307935 | 0.938198504 | 1.18190299 |
| DUSP18 | ENSG00000167065.13 | 2.309489319 | 2.53461472 | 3.542391315 |
| IRF1 | ENSG00000125347.13 | 3.06322146 | 0.968874377 | 2.885104003 |
| FGGY | ENSG00000172456.17 | 1.331872282 | 1.736571048 | 3.018412343 |
| AC073621.1 | ENSG00000215030.5 | 2.858649449 | 1.83227452 | 2.236546637 |
| CD9 | ENSG00000010278.12 | 7.517302448 | 7.994059546 | 7.87004046 |

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|--------------|--------------------|-------------|-------------|-------------|
| RPL21P28 | ENSG00000220749.4 | 2.847950598 | 2.057476861 | 1.163040067 |
| EXD3 | ENSG00000187609.15 | 2.598100354 | 2.890196163 | 2.863317312 |
| RHOJ | ENSG00000126785.12 | 1.93199431 | 2.89266863 | 3.174127936 |
| AC073111.5 | ENSG00000284691.1 | 1.817315422 | 1.8622724 | 3.590017903 |
| N4BP2 | ENSG00000078177.13 | 3.308128147 | 0.82192714 | 3.383587997 |
| GBP1 | ENSG00000117228.9 | 3.671340873 | 1.426598082 | 1.015389197 |
| ZNF503-AS2 | ENSG00000237149.5 | 1.985284068 | 2.800588584 | 2.956102976 |
| C19orf68 | ENSG00000185453.12 | 2.79484751 | 3.668467803 | 2.223154373 |
| GPR75 | ENSG00000119737.5 | 1.951717103 | 1.366384711 | 0.957649042 |
| LURAP1L | ENSG00000153714.5 | 1.716040871 | 2.561972871 | 2.1958107 |
| RNF207 | ENSG00000158286.12 | 2.87110569 | 2.476034143 | 1.656512048 |
| MAFG-AS1 | ENSG00000265688.1 | 3.734294721 | 2.142836056 | 2.106212861 |
| SORBS2 | ENSG00000154556.17 | 4.57331012 | 5.267092887 | 1.051947668 |
| ARVCF | ENSG00000099889.13 | 0.971756214 | 2.872275818 | 3.709633794 |
| ZNF48 | ENSG00000180035.12 | 2.908022693 | 1.719106397 | 2.494698072 |
| AP002990.1 | ENSG00000255508.7 | 3.225392097 | 5.965106392 | 2.914673346 |
| STON1 | ENSG00000243244.5 | 2.016284417 | 1.948696203 | 0.947639294 |
| CAPG | ENSG00000042493.15 | 6.630621195 | 8.126791105 | 7.683999035 |
| AC068888.1 | ENSG00000257337.6 | 2.532835922 | 2.92236529 | 1.080240989 |
| AC083843.2 | ENSG00000259820.1 | 2.226390404 | 2.776457997 | 1.530101691 |
| AC067838.1 | ENSG00000272338.2 | 1.672044635 | 1.818742161 | 0.898691568 |
| RPL23AP7 | ENSG00000240356.6 | 1.083881675 | 3.359653546 | 3.180926341 |
| AC106791.1 | ENSG00000250159.6 | 2.839295817 | 1.753094432 | 3.681957052 |
| CTBP1-AS2 | ENSG00000196810.4 | 3.209902118 | 1.519468047 | 2.848115745 |
| NPPA-AS1_2 | ENSG00000278852.1 | 1.333674826 | 2.285967767 | 2.308857817 |
| RPL10P16 | ENSG00000178464.6 | 3.718088879 | 2.773738563 | 2.459969967 |
| MLYCD | ENSG00000103150.5 | 1.529686589 | 1.782413446 | 1.997857523 |
| AC000123.2 | ENSG00000279265.1 | 2.798725344 | 2.182127561 | 2.539409818 |
| ZNF354C | ENSG00000177932.6 | 2.391866893 | 2.646764747 | 2.537799358 |
| MIR3648-2 | ENSG00000264462.1 | 4.211474617 | 4.898559717 | 3.523549114 |
| AC073046.1 | ENSG00000235499.1 | 3.302610825 | 1.898624648 | 1.937358612 |
| AC090114.3 | ENSG00000280828.1 | 1.485250246 | 2.035489752 | 2.5849191 |
| FAM229B | ENSG00000203778.7 | 0.931403609 | 2.610376395 | 2.944241557 |
| SNORA11F | ENSG00000221164.1 | 3.576566161 | 1.697359669 | 2.106770966 |
| ZIK1 | ENSG00000171649.11 | 3.135527558 | 0.902180244 | 2.844457304 |
| LTBP1 | ENSG00000049323.15 | 1.550432508 | 4.146604446 | 1.018006003 |
| MFAP3L | ENSG00000198948.11 | 1.357920514 | 4.005993291 | 4.074968987 |
| RNFT2 | ENSG00000135119.14 | 2.926535012 | 2.616808798 | 2.115052798 |
| SNORA25 | ENSG00000207112.1 | 3.158946282 | 1.729034833 | 4.507279602 |
| ZNF383 | ENSG00000188283.11 | 2.215256751 | 2.235632333 | 1.614198497 |
| ZNF433 | ENSG00000197647.11 | 2.082903757 | 1.759647499 | 2.730483765 |
| MSRB3 | ENSG00000174099.10 | 3.735355206 | 3.665825463 | 3.821588111 |
| TRAF3IP2-AS1 | ENSG00000231889.7 | 1.963892367 | 2.95193364 | 2.841702388 |
| EEF1AKMT1 | ENSG00000150456.10 | 3.095315695 | 1.032306776 | 3.236625142 |
| HEBP2 | ENSG00000051620.10 | 2.178739356 | 3.004689134 | 3.470614858 |
| PPP1R3F | ENSG00000049769.12 | 0.861763449 | 3.54704836 | 2.15157447 |

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| RPS7P1 | ENSG00000263266.2 | 2.844600768 | 2.453674286 | 1.411349392 |
| SCAND2P | ENSG00000176700.19 | 2.230281784 | 2.736889995 | 1.886454796 |
| C21orf58 | ENSG00000160298.17 | 3.819985443 | 2.934045412 | 1.339047514 |
| FTH1P8 | ENSG00000219507.4 | 1.587772902 | 1.667097621 | 1.51457101 |
| FOXD2-AS1 | ENSG00000237424.1 | 2.666925811 | 2.170027994 | 1.253682279 |
| AC004448.1 | ENSG00000189343.7 | 2.750156709 | 1.364443914 | 0.930750312 |
| REL | ENSG00000162924.13 | 2.002966783 | 3.01297622 | 1.476046773 |
| DNMT3B | ENSG00000088305.18 | 2.386539094 | 1.035336274 | 1.533163382 |
| SYTL4 | ENSG00000102362.15 | 2.554193484 | 3.677920526 | 3.505004834 |
| KCNIP3 | ENSG00000115041.12 | 2.538094002 | 3.59000653 | 3.333994895 |
| NPIPBA | ENSG00000185864.16 | 2.17117931 | 3.208763333 | 3.438125414 |
| SPRY4-IT1 | ENSG00000281881.1 | 2.874618931 | 1.747084826 | 4.895352826 |
| HNRNPH2 | ENSG00000126945.8 | 6.89471904 | 5.120318863 | 5.217831123 |
| LINC00473 | ENSG00000223414.2 | 5.997616024 | 6.378730855 | 0.850174323 |
| AC104581.1 | ENSG00000179859.9 | 2.177817296 | 0.987399721 | 1.249252409 |
| GEMIN8P4 | ENSG00000228175.3 | 2.65499161 | 1.39097229 | 1.382224292 |
| PGBD4 | ENSG00000182405.5 | 2.423551545 | 2.183604179 | 1.693454854 |
| PI4KAP2 | ENSG00000183506.17 | 1.16306417 | 2.025947287 | 2.790484058 |
| CMPK2 | ENSG00000134326.11 | 2.351519797 | 2.171755298 | 2.463931476 |
| RPL7P9 | ENSG00000137970.7 | 2.48273104 | 1.632821239 | 1.154612741 |
| DYRK1B | ENSG00000105204.13 | 4.235602451 | 4.103706925 | 2.954222401 |
| OPN3 | ENSG00000054277.13 | 2.075549645 | 2.694923306 | 2.657236926 |
| ZNF517 | ENSG00000197363.9 | 1.469009056 | 1.480411964 | 1.605806095 |
| ZNF774 | ENSG00000196391.10 | 1.488224925 | 1.200569128 | 1.033744167 |
| MAGEE1 | ENSG00000198934.4 | 0.973687533 | 2.226974481 | 1.67312515 |
| SNORD99 | ENSG00000221539.1 | 4.477395399 | 1.269694953 | 2.382163419 |
| LLGL2 | ENSG00000073350.13 | 2.16643729 | 2.711131868 | 3.981215445 |
| KIAA1211 | ENSG00000109265.13 | 3.71044264 | 4.392527777 | 4.710430836 |
| THAP2 | ENSG00000173451.6 | 2.064560294 | 1.047390905 | 1.90339814 |
| KCNAB2 | ENSG00000069424.14 | 3.36242681 | 6.314930289 | 5.84748024 |
| AP001157.1 | ENSG00000258297.1 | 1.957402372 | 1.422119623 | 2.244995894 |
| RHOQP1 | ENSG00000258568.1 | 1.367358217 | 1.211942646 | 1.365947735 |
| FCF1P2 | ENSG00000228638.1 | 2.650463736 | 1.762170917 | 2.778892796 |
| HM13-IT1 | ENSG00000235313.1 | 1.605887991 | 1.604977253 | 1.081947803 |
| ZNF846 | ENSG00000196605.7 | 0.832622227 | 2.978814155 | 2.036205201 |
| PIH1D2 | ENSG00000150773.10 | 1.933424716 | 0.929597481 | 1.796601083 |
| ZNF624 | ENSG00000197566.9 | 1.670496713 | 0.881198637 | 2.250242631 |
| JPH1 | ENSG00000104369.4 | 3.926468426 | 2.93929058 | 2.497524809 |
| WVOX | ENSG00000186153.16 | 3.764134417 | 2.739963775 | 1.806264192 |
| C15orf61 | ENSG00000189227.5 | 2.561161562 | 1.403322524 | 2.335702697 |
| AC131009.3 | ENSG00000273568.1 | 2.555816553 | 2.525725136 | 3.908759311 |
| ZNF225 | ENSG00000256294.7 | 2.838089755 | 1.335853706 | 2.588152305 |
| STAMBPL1 | ENSG00000138134.11 | 4.825933217 | 0.839944872 | 4.829242015 |
| TSPAN5 | ENSG00000168785.7 | 3.140897613 | 0.916688186 | 6.195094521 |
| CDC42EP2 | ENSG00000149798.4 | 4.413628301 | 2.563478134 | 0.910766336 |
| CPEB1 | ENSG00000214575.9 | 1.974903431 | 5.564428533 | 4.926251228 |

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| ZFP14 | ENSG00000142065.13 | 1.857935722 | 1.059902057 | 2.287003532 |
| EEF1A1P6 | ENSG00000233476.3 | 2.264978978 | 1.161278848 | 1.461171871 |
| VMAC | ENSG00000187650.3 | 2.90836036 | 3.181321887 | 3.425027122 |
| SOBP | ENSG00000112320.11 | 3.503293689 | 2.099719345 | 1.214092822 |
| AL137058.2 | ENSG00000273784.4 | 2.458105761 | 1.135627141 | 1.840721329 |
| MCTS2P | ENSG00000101898.5 | 3.965001861 | 2.505578609 | 3.74390639 |
| CCDC106 | ENSG00000173581.7 | 5.255211152 | 3.996662078 | 4.435726181 |
| TVP23C | ENSG00000175106.16 | 2.861763866 | 2.165654291 | 1.03829528 |
| ENPP1 | ENSG00000197594.11 | 2.063574848 | 3.513358986 | 1.074731928 |
| LINC02381 | ENSG00000250742.2 | 4.099623939 | 2.596055365 | 0.877266102 |
| HNRNPA3P6 | ENSG00000213300.5 | 1.267912158 | 1.385030606 | 1.469391924 |
| C9orf72 | ENSG00000147894.14 | 3.869658392 | 2.462192764 | 2.779696649 |
| ZBTB3 | ENSG00000185670.7 | 2.375905349 | 2.083549905 | 1.979268103 |
| B9D2 | ENSG00000123810.7 | 3.289341148 | 0.778019401 | 2.013013003 |
| ARHGEF39 | ENSG00000137135.17 | 3.700091738 | 2.888775239 | 0.958737516 |
| CENPP | ENSG00000188312.13 | 2.212794092 | 1.566166429 | 0.868443821 |
| AC138356.2 | ENSG00000233170.4 | 1.14461663 | 1.073189999 | 1.429500318 |
| UFSP1 | ENSG00000176125.4 | 2.535100675 | 2.644790923 | 0.821988656 |
| SH3BGR | ENSG00000185437.13 | 1.008767763 | 2.275181173 | 3.807446605 |
| RAP1GAP | ENSG00000076864.19 | 1.986727492 | 4.950969015 | 3.358017927 |
| FLVCR2 | ENSG00000119686.9 | 0.814617343 | 1.570478364 | 1.804598149 |
| FAM228B | ENSG00000219626.8 | 0.975633016 | 1.874867381 | 3.533974334 |
| MPP2 | ENSG00000108852.14 | 3.287876469 | 2.908445974 | 0.912890832 |
| AGAP4 | ENSG00000188234.13 | 2.429220826 | 1.847107463 | 1.950882912 |
| EFNA5 | ENSG00000184349.12 | 3.386585263 | 0.990691546 | 4.134843152 |
| GLUD1P3 | ENSG00000250959.2 | 1.792140373 | 1.359450869 | 2.228884517 |
| MCOLN3 | ENSG00000055732.12 | 3.012101579 | 4.645637858 | 7.400638492 |
| AK4 | ENSG00000162433.14 | 4.883501478 | 3.843217664 | 1.850089679 |
| AC239868.4 | ENSG00000272993.1 | 1.613959261 | 1.650129272 | 0.991582686 |
| IKZF4 | ENSG00000123411.14 | 2.125114871 | 1.717877583 | 1.0127785 |
| ZNF653 | ENSG00000161914.9 | 3.122505754 | 1.547258868 | 2.024091312 |
| LAT | ENSG00000213658.11 | 0.843850535 | 2.868133356 | 0.803706373 |
| Z98884.2 | ENSG00000269925.1 | 1.438731115 | 1.841718501 | 1.838794514 |
| WDR31 | ENSG00000148225.15 | 1.001160708 | 2.342144483 | 0.757707148 |
| LINC02035 | ENSG00000273033.2 | 0.985339722 | 2.789743064 | 1.056526928 |
| AC008982.2 | ENSG00000269688.1 | 1.431122282 | 2.029624637 | 1.531861308 |
| AC073861.1 | ENSG00000242299.1 | 1.952776951 | 1.612961657 | 1.294241666 |
| ZNF93 | ENSG00000184635.15 | 3.655918176 | 3.105125844 | 1.85721653 |
| AC105052.2 | ENSG00000213385.3 | 2.00448569 | 1.151824492 | 2.23258856 |
| SMG1P7 | ENSG00000261556.9 | 2.794771547 | 1.400881609 | 1.432734137 |
| MPP3 | ENSG00000161647.18 | 2.408539612 | 3.311152638 | 0.762423495 |
| HIST1H2BD | ENSG00000158373.8 | 2.130657244 | 4.807634027 | 1.041329318 |
| SUGCT | ENSG00000175600.15 | 1.181846509 | 2.550331294 | 2.621048942 |
| ZNF821 | ENSG00000102984.14 | 2.702627394 | 2.557471832 | 2.753403746 |
| MIR7161 | ENSG00000278571.1 | 2.11794951 | 1.453923105 | 3.152841433 |
| CADPS2 | ENSG00000081803.15 | 1.915248968 | 3.506386905 | 4.243455454 |

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| AC026412.1 | ENSG00000188002.10 | 3.275657767 | 3.299541224 | 2.112705458 |
| AC005261.4 | ENSG00000268713.1 | 1.716406509 | 1.769642144 | 2.547649686 |
| TNFAIP3 | ENSG00000118503.14 | 3.010473489 | 6.426306968 | 4.332878666 |
| AL161421.1 | ENSG00000275202.1 | 1.688411367 | 2.038196952 | 1.653847245 |
| RRN3P1 | ENSG00000248124.7 | 1.127924904 | 1.152061546 | 4.104176976 |
| KCTD12 | ENSG00000178695.5 | 1.799156105 | 2.92880746 | 4.335333645 |
| AC132192.2 | ENSG00000268403.2 | 1.579447761 | 1.638945098 | 1.551919782 |
| PLEKHH2 | ENSG00000152527.13 | 2.041021273 | 4.297990673 | 3.95687746 |
| AMER1 | ENSG00000184675.9 | 2.665235885 | 1.699230696 | 0.714129623 |
| AP000873.2 | ENSG00000247137.8 | 3.819659304 | 2.468105077 | 2.340161613 |
| AC026271.1 | ENSG00000174977.8 | 1.923328234 | 2.014082184 | 1.417417336 |
| C8orf88 | ENSG00000253250.2 | 4.684007121 | 3.947690979 | 4.445200885 |
| FAM227B | ENSG00000166262.15 | 0.7653244 | 2.068987221 | 2.987774062 |
| DEPDC4 | ENSG00000166153.16 | 1.362625354 | 1.556914852 | 1.013956061 |
| AC007382.1 | ENSG00000279519.1 | 2.120551026 | 0.743436487 | 1.542636124 |
| FLJ20021 | ENSG00000254531.1 | 1.430684993 | 1.749422711 | 3.599091357 |
| ZHX1-C8orf76 | ENSG00000259305.6 | 1.914778849 | 1.220110015 | 1.463820072 |
| MIR6821 | ENSG00000276753.1 | 1.998490914 | 2.74098991 | 2.380690266 |
| DUXAP9 | ENSG00000225210.9 | 2.703705064 | 0.750538643 | 2.509351824 |
| PATJ | ENSG00000132849.19 | 1.846873096 | 2.882942658 | 3.595845235 |
| LINC01534 | ENSG00000225975.6 | 0.899536025 | 1.12446742 | 2.175373765 |
| CR381653.1 | ENSG00000278932.3 | 3.332432039 | 3.186939379 | 2.108854246 |
| ZNF438 | ENSG00000183621.15 | 1.735394739 | 0.690820526 | 2.964827482 |
| FAM120C | ENSG00000184083.11 | 4.49468568 | 3.201510854 | 1.746836207 |
| FGD4 | ENSG00000139132.14 | 4.30674772 | 4.380553869 | 3.759528371 |
| STARD9 | ENSG00000159433.11 | 1.255150786 | 2.315591019 | 2.023727361 |
| CCNT2-AS1 | ENSG00000224043.7 | 1.320907011 | 1.030257875 | 0.808081958 |
| ZNF529-AS1 | ENSG00000233527.8 | 1.96010713 | 2.189190469 | 2.200015983 |
| SYP | ENSG00000102003.10 | 1.235374794 | 3.248369825 | 1.163565175 |
| LINC00869 | ENSG00000277147.4 | 3.195602211 | 3.22722912 | 1.10506688 |
| LUM | ENSG00000139329.4 | 0.865704851 | 6.020368576 | 2.995612933 |
| AL096870.2 | ENSG00000260669.2 | 3.09010068 | 1.695468025 | 1.93155527 |
| AC004918.3 | ENSG00000270157.1 | 1.68958365 | 2.473436968 | 2.768285005 |
| GLDC | ENSG00000178445.9 | 4.826240064 | 3.030545021 | 2.784755562 |
| AC009053.1 | ENSG00000214331.8 | 3.45090542 | 2.079046316 | 3.106325943 |
| FTCDNL1 | ENSG00000226124.6 | 1.864874133 | 3.066260073 | 2.952170967 |
| AMIGO1 | ENSG00000181754.6 | 2.738066429 | 1.285056576 | 1.734785649 |
| AGER | ENSG00000204305.13 | 2.08842992 | 2.698326503 | 1.811301536 |
| LINC00106 | ENSG00000236871.7 | 1.635241951 | 2.216864238 | 1.053043667 |
| AC025171.1 | ENSG00000177738.3 | 2.600402909 | 2.339493399 | 0.806855501 |
| LIPT2 | ENSG00000175536.6 | 1.931701624 | 1.074890214 | 1.503668102 |
| FAM174B | ENSG00000185442.12 | 2.07084556 | 5.080267893 | 5.691367759 |
| ZBTB8A | ENSG00000160062.14 | 1.911473785 | 2.115470264 | 0.629666986 |
| TPBG | ENSG00000146242.8 | 4.186605215 | 3.022896517 | 1.10447329 |
| PER2 | ENSG00000132326.11 | 0.97218507 | 0.763645118 | 1.758472132 |
| CRIP2 | ENSG00000182809.10 | 5.994621164 | 1.743426916 | 3.492396502 |

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| DNAJC9-AS1 | ENSG00000227540.1 | 1.994894412 | 1.176574184 | 2.048281889 |
| JMJD7 | ENSG00000243789.10 | 1.703336473 | 1.344330662 | 1.467233033 |
| ZNF324B | ENSG00000249471.7 | 3.110605402 | 1.963098944 | 1.284564765 |
| AC005229.4 | ENSG00000273314.1 | 2.274171925 | 2.064807489 | 0.874385843 |
| HSD11B1L | ENSG00000167733.13 | 4.4524987 | 3.118476655 | 3.330298017 |
| FBXO34 | ENSG00000178974.9 | 4.050282147 | 3.867935045 | 3.076826278 |
| PLCG2 | ENSG00000197943.9 | 1.361377561 | 2.950805737 | 2.262361107 |
| SLC2A13 | ENSG00000151229.12 | 4.027186009 | 3.931774809 | 0.594586962 |
| MTURN | ENSG00000180354.15 | 1.494579289 | 4.073956678 | 2.240375801 |
| RPSAP58 | ENSG00000225178.5 | 2.807279484 | 1.275139135 | 0.851217362 |
| ZKSCAN3 | ENSG00000189298.13 | 0.816417232 | 2.127173297 | 2.842829691 |
| AC010969.2 | ENSG00000269973.1 | 2.083540442 | 0.874032858 | 0.647706595 |
| SFXN2 | ENSG00000156398.12 | 3.691232915 | 2.060671812 | 1.892217294 |
| ZNF618 | ENSG00000157657.14 | 3.580798866 | 3.783940028 | 1.221799419 |
| AC120114.2 | ENSG00000260114.2 | 1.763392719 | 1.801439121 | 2.115370936 |
| LINC00920 | ENSG00000246898.1 | 0.935050961 | 2.846767705 | 4.95930319 |
| AL450326.1 | ENSG00000230555.2 | 1.745023059 | 0.877466555 | 1.806439537 |
| MIRLET7BHG | ENSG00000197182.14 | 2.766049421 | 2.718750733 | 5.421447819 |
| PRELID2 | ENSG00000186314.11 | 0.787572846 | 3.0051288 | 5.266921628 |
| AC005034.5 | ENSG00000271452.1 | 2.96600157 | 2.83294241 | 1.610874755 |
| TTLL11 | ENSG00000175764.14 | 2.418382362 | 2.370469137 | 1.637950455 |
| ZNF514 | ENSG00000144026.11 | 2.816559186 | 4.058803769 | 3.384024474 |
| AC015982.1 | ENSG00000272606.1 | 2.448928459 | 2.483402454 | 0.668024644 |
| C14orf79 | ENSG00000140104.13 | 3.324079319 | 3.583673386 | 0.803956216 |
| POU6F1 | ENSG00000184271.16 | 1.268935692 | 2.105188464 | 2.188373979 |
| MX1 | ENSG00000157601.13 | 2.792599762 | 1.980724329 | 3.62511943 |
| NPIPP1 | ENSG00000188599.17 | 4.172671379 | 2.215125561 | 1.829321345 |
| AC006504.8 | ENSG00000281468.1 | 0.964681903 | 2.441799087 | 2.914563257 |
| ASH1L-AS1 | ENSG00000235919.4 | 2.353890782 | 2.039238849 | 0.7484807 |
| ZC3H12A | ENSG00000163874.10 | 2.208027682 | 2.024890798 | 0.925095308 |
| HAS2 | ENSG00000170961.6 | 1.173188435 | 3.428861613 | 2.702349465 |
| TMEM173 | ENSG00000184584.12 | 4.990025639 | 0.7635926 | 3.950519227 |
| PSPN | ENSG00000125650.4 | 1.781946945 | 0.649728444 | 0.724289261 |
| TMEM170B | ENSG00000205269.5 | 1.537575133 | 2.145641017 | 3.729454333 |
| RPPH1 | ENSG00000277209.1 | 1.087593969 | 2.465968283 | 1.653961695 |
| AC006978.1 | ENSG00000235859.5 | 0.640629531 | 2.538106305 | 2.719506256 |
| GPX8 | ENSG00000164294.13 | 4.707914474 | 5.370358651 | 0.892271987 |
| AC069499.1 | ENSG00000241634.1 | 1.174580799 | 1.277419465 | 1.730797194 |
| ITGA5 | ENSG00000161638.10 | 7.287744416 | 5.334573518 | 0.709916546 |
| GAN | ENSG00000261609.5 | 2.011937324 | 2.271728631 | 2.288358664 |
| DNAJC28 | ENSG00000177692.11 | 0.880166273 | 1.738757021 | 2.320215282 |
| REEP2 | ENSG00000132563.15 | 4.027271182 | 2.557299834 | 3.530726487 |
| ZNF169 | ENSG00000175787.16 | 2.060557186 | 2.563332201 | 0.74043063 |
| CIB2 | ENSG00000136425.12 | 1.16996481 | 4.158369371 | 4.132769841 |
| AL135999.1 | ENSG00000258727.1 | 2.254191597 | 3.554470423 | 1.070094748 |
| AC022413.1 | ENSG00000280161.1 | 1.831637015 | 0.794683214 | 1.513113232 |

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| ZNF778 | ENSG00000170100.13 | 3.593941518 | 2.728647491 | 2.903925213 |
| TRDMT1 | ENSG00000107614.21 | 2.678208315 | 2.101867348 | 2.797939805 |
| AC120053.1 | ENSG00000271971.1 | 1.180281278 | 0.823859115 | 1.649056031 |
| EFCAB11 | ENSG00000140025.15 | 2.965274223 | 1.98586987 | 0.948060809 |
| AC004803.1 | ENSG00000250132.6 | 1.956180296 | 1.608234722 | 2.707595515 |
| AC068134.3 | ENSG00000251485.1 | 1.367154222 | 1.012004549 | 2.384230945 |
| AC090181.2 | ENSG00000269951.1 | 1.88426414 | 2.363184899 | 2.472479783 |
| SNORD3B-2 | ENSG00000262074.6 | 2.831796618 | 2.128958858 | 1.26123819 |
| GBAP1 | ENSG00000160766.14 | 1.763825346 | 2.365552918 | 0.858063967 |
| CCDC18 | ENSG00000122483.17 | 3.053189261 | 3.258338319 | 1.325755948 |
| AC008124.1 | ENSG00000273015.2 | 1.86797578 | 1.449419761 | 2.185016375 |
| ZFPM2-AS1 | ENSG00000251003.7 | 5.427800077 | 5.081044894 | 3.231096973 |
| HLX | ENSG00000136630.12 | 2.066362956 | 0.704655312 | 2.428767824 |
| ZNF493 | ENSG00000196268.11 | 3.2201972 | 2.807795886 | 1.983764668 |
| ZNF887P | ENSG00000267500.1 | 2.215037927 | 0.787832644 | 1.308834221 |
| AP001160.3 | ENSG00000269176.2 | 2.406273099 | 1.628174741 | 1.056457812 |
| AL353194.1 | ENSG00000229539.1 | 3.435901867 | 1.71388503 | 1.00900843 |
| RPL9P9 | ENSG00000237550.5 | 3.857105407 | 1.501668456 | 4.181867125 |
| AC115837.1 | ENSG00000253341.1 | 2.116070755 | 0.798078106 | 0.750140351 |
| TGFB3 | ENSG00000119699.7 | 2.826312769 | 2.035344442 | 1.121651496 |
| AL513314.2 | ENSG00000276997.4 | 1.514131422 | 1.552501913 | 2.015214466 |
| RGS2 | ENSG00000116741.7 | 4.517447019 | 2.598735668 | 0.692324865 |
| AC005726.2 | ENSG00000258472.8 | 2.042420837 | 3.038179611 | 1.043569025 |
| IBA57 | ENSG00000181873.12 | 2.795129046 | 0.619439037 | 1.564614424 |
| CD200 | ENSG00000091972.18 | 0.779707208 | 4.014583338 | 4.325339536 |
| AC006058.1 | ENSG00000261786.1 | 1.98496408 | 2.280507872 | 2.47085691 |
| ZNF684 | ENSG00000117010.15 | 2.451681089 | 1.933115605 | 1.122784499 |
| SYS1-DBNDD | ENSG00000254806.5 | 2.457096139 | 1.821548865 | 2.080014509 |
| PPM1L | ENSG00000163590.13 | 1.521513348 | 2.722485335 | 2.205476331 |
| HELB | ENSG00000127311.9 | 2.54739356 | 1.932379375 | 0.858132497 |
| AL136295.5 | ENSG00000259529.1 | 1.329764205 | 1.291842154 | 2.775836017 |
| PHOSPHO2 | ENSG00000144362.11 | 0.937955998 | 2.902656885 | 2.833130386 |
| GPR155 | ENSG00000163328.13 | 0.838028085 | 2.660196524 | 2.833847959 |
| AC068338.2 | ENSG00000260274.1 | 2.396713674 | 1.536006708 | 1.20686473 |
| ZNF658 | ENSG00000274349.4 | 1.842694252 | 1.970657031 | 1.374394084 |
| NBEA | ENSG00000172915.18 | 2.463044656 | 3.292505331 | 3.278455116 |
| CRIM1 | ENSG00000150938.9 | 5.420422943 | 3.519918099 | 0.655987954 |
| ANKAR | ENSG00000151687.14 | 1.086587789 | 0.799000549 | 2.356992926 |
| AC138035.1 | ENSG00000238035.8 | 1.653979338 | 2.252259932 | 1.751025987 |
| KIF6 | ENSG00000164627.17 | 1.612562817 | 1.539212269 | 2.570661526 |
| MST1 | ENSG00000173531.15 | 1.463478373 | 2.684495183 | 2.49995087 |
| HNRNPA1P1 | ENSG00000262333.1 | 2.380316873 | 0.984428748 | 2.213464288 |
| AL118558.3 | ENSG00000271780.1 | 2.094485992 | 2.220732446 | 0.704402536 |
| CCDC85C | ENSG00000205476.8 | 2.006140377 | 1.737709474 | 1.15285479 |
| HSPE1-MOB4 | ENSG00000270757.1 | 0.894932748 | 2.048388594 | 1.516585689 |
| PRR16 | ENSG00000184838.14 | 0.96136738 | 0.90813475 | 0.994185714 |

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| AC020915.4 | ENSG00000268516.2 | 0.864201625 | 1.430999203 | 0.519851092 |
| RAPGEFL1 | ENSG00000108352.11 | 3.063881893 | 3.625555034 | 2.153920117 |
| AC068473.5 | ENSG00000274828.1 | 1.74598552 | 2.632479316 | 1.878759222 |
| AC022211.2 | ENSG00000263843.1 | 1.504481401 | 1.391983781 | 0.981173095 |
| YBX1P10 | ENSG00000213866.3 | 1.670907117 | 0.926266367 | 0.950589322 |
| ASB2 | ENSG00000100628.11 | 1.926378086 | 1.360929539 | 4.13377551 |
| TAF1A-AS1 | ENSG00000225265.1 | 0.795056732 | 1.004155247 | 1.52455251 |
| FAM72A | ENSG00000196550.10 | 3.71733387 | 0.973145576 | 0.49742875 |
| TPK1 | ENSG00000196511.14 | 2.156562763 | 2.517036903 | 2.11334188 |
| KLHL26 | ENSG00000167487.11 | 3.454643833 | 3.062032619 | 1.7276632 |
| AL121845.3 | ENSG00000273154.3 | 1.13386207 | 2.518398119 | 2.445616755 |
| SRR | ENSG00000167720.12 | 2.388849439 | 0.956733228 | 2.19909991 |
| AP000924.1 | ENSG00000254416.5 | 1.366384843 | 3.996578085 | 1.469251296 |
| AL133243.2 | ENSG00000276334.1 | 1.936758095 | 2.168622727 | 1.193660434 |
| RPL18AP3 | ENSG00000213442.5 | 3.185472467 | 2.508516366 | 0.956799548 |
| SERPINI1 | ENSG00000163536.12 | 0.841117148 | 3.271694604 | 4.366750153 |
| ST20-AS1 | ENSG00000259642.2 | 1.199635046 | 2.39505536 | 2.043387337 |
| NUDT11 | ENSG00000196368.4 | 2.232901974 | 3.231684253 | 0.70950878 |
| IL7 | ENSG00000104432.13 | 2.070779182 | 1.703522645 | 0.641690171 |
| ARSE | ENSG00000157399.14 | 3.219503497 | 0.781699968 | 2.438099214 |
| ELOVL2 | ENSG00000197977.3 | 1.855933062 | 4.39547829 | 2.760414096 |
| FBXO48 | ENSG00000204923.3 | 0.581793682 | 0.605085294 | 1.654392653 |
| SMURF2P1 | ENSG00000248121.8 | 1.231242268 | 1.313779693 | 2.126803719 |
| NKRF | ENSG00000186416.13 | 3.159024482 | 2.364409488 | 3.833982167 |
| TLE6 | ENSG00000104953.19 | 2.112247519 | 3.155936955 | 3.112599363 |
| ZNF30 | ENSG00000168661.14 | 1.941489597 | 1.558564462 | 1.343202629 |
| AL606834.2 | ENSG00000269906.1 | 1.569095831 | 2.745409963 | 2.736741148 |
| TCF7L1 | ENSG00000152284.4 | 2.11271479 | 3.412412727 | 1.856620554 |
| DACT1 | ENSG00000165617.14 | 0.51557288 | 2.016877047 | 1.903678215 |
| AP002360.1 | ENSG00000179240.9 | 2.012996462 | 1.48438101 | 1.642863556 |
| CAPN3 | ENSG00000092529.23 | 0.785089528 | 6.769800304 | 8.315541657 |
| TMEM86B | ENSG00000180089.5 | 1.799033538 | 1.838423447 | 1.060368186 |
| ZNF542P | ENSG00000240225.10 | 2.569394754 | 2.886380714 | 3.45374251 |
| SIRT4 | ENSG00000089163.4 | 1.285134594 | 0.888427083 | 1.069203622 |
| CYB561D1 | ENSG00000174151.14 | 2.020105363 | 1.505230091 | 2.582987415 |
| AC106886.5 | ENSG00000282034.1 | 3.463197349 | 1.879687211 | 0.93398938 |
| AC127496.7 | ENSG00000280351.2 | 1.65501807 | 0.621914414 | 2.239923714 |
| CEMIP | ENSG00000103888.16 | 6.799832322 | 6.028596811 | 0.765079219 |
| LRIG1 | ENSG00000144749.13 | 2.294117186 | 3.596123414 | 0.544833619 |
| ZNF34 | ENSG00000196378.11 | 2.146615919 | 1.502534189 | 1.288023639 |
| INE1 | ENSG00000224975.1 | 0.922177971 | 1.951872011 | 0.833273105 |
| CBWD3 | ENSG00000196873.15 | 0.722644198 | 2.737587289 | 0.723328888 |
| AL139260.1 | ENSG00000228436.2 | 0.600724399 | 1.377240345 | 1.25624552 |
| HTR7P1 | ENSG00000183935.5 | 1.349220198 | 1.139250948 | 1.590940567 |
| CA5B | ENSG00000169239.12 | 4.489362744 | 1.61321271 | 2.147907223 |
| RPS23P8 | ENSG00000230629.2 | 2.654988251 | 1.678134267 | 1.853020102 |

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| ZNF35 | ENSG00000169981.10 | 2.715805715 | 2.296141556 | 2.95331979 |
| TSSK6 | ENSG00000178093.13 | 2.113459853 | 1.747917716 | 1.39506138 |
| LRRC27 | ENSG00000148814.17 | 2.66187865 | 2.428586516 | 1.789805889 |
| AC096887.2 | ENSG00000280417.1 | 1.122569923 | 1.857927837 | 0.536960517 |
| GAPDHP62 | ENSG00000251013.1 | 1.069705258 | 1.529061954 | 0.80397183 |
| MEX3B | ENSG00000183496.5 | 1.928359964 | 0.585399438 | 1.042081404 |
| AC102953.2 | ENSG00000273230.1 | 3.033568068 | 4.180636375 | 0.849139065 |
| GLIPR2 | ENSG00000122694.15 | 0.547365924 | 1.83504935 | 3.368255434 |
| UBE3D | ENSG00000118420.16 | 1.617198944 | 1.656377648 | 1.182649054 |
| MBLAC1 | ENSG00000214309.4 | 1.722207676 | 3.051449966 | 0.937974335 |
| DHRS4L2 | ENSG00000187630.15 | 3.437441851 | 1.884524519 | 1.193454634 |
| MACROD1 | ENSG00000133315.10 | 5.076424779 | 4.044156816 | 4.691807689 |
| SCAI | ENSG00000173611.17 | 1.814895235 | 2.693872526 | 1.627513476 |
| HOXA13 | ENSG00000106031.7 | 0.93311341 | 2.071689101 | 0.719198848 |
| AC090607.2 | ENSG00000259562.2 | 0.935926895 | 2.338222952 | 2.095896591 |
| PKNOX2 | ENSG00000165495.15 | 3.440405272 | 2.901281184 | 1.113988451 |
| ASIC1 | ENSG00000110881.11 | 3.330743604 | 3.514674053 | 0.808301077 |
| AC009902.2 | ENSG00000254027.1 | 2.002483202 | 3.007804807 | 1.508636024 |
| TMEM187 | ENSG00000177854.7 | 0.95161468 | 2.010666324 | 0.655961166 |
| AC093726.1 | ENSG00000272760.1 | 1.283217978 | 0.875735267 | 2.270872735 |
| TMSB15A | ENSG00000158164.6 | 0.8267014 | 1.599431512 | 3.005683934 |
| AC008608.2 | ENSG00000271737.1 | 1.37726533 | 1.142592666 | 0.99656763 |
| AP4S1 | ENSG00000100478.14 | 2.427187197 | 0.95626403 | 0.55742782 |
| TET1 | ENSG00000138336.8 | 1.803477783 | 0.925617854 | 0.677732488 |
| C3AR1 | ENSG00000171860.4 | 1.731477145 | 2.016025939 | 2.944899521 |
| ZNRD1ASP | ENSG00000204623.9 | 0.710547809 | 1.685358124 | 2.726936967 |
| BOLA1 | ENSG00000178096.8 | 1.474657859 | 3.772592818 | 3.050097253 |
| SNORD63 | ENSG00000206989.1 | 1.23437111 | 1.441519736 | 3.173517078 |
| AC012146.1 | ENSG00000234327.7 | 5.648694244 | 0.71265984 | 3.282704395 |
| PTPRH | ENSG00000080031.9 | 3.493575345 | 0.653743616 | 4.173088284 |
| GNAZ | ENSG00000128266.8 | 1.471441495 | 1.787879498 | 0.51670518 |
| ADM5 | ENSG00000224420.3 | 3.266205231 | 2.434474094 | 1.852054286 |
| ZNF790 | ENSG00000197863.8 | 1.721887698 | 1.789969794 | 0.439098976 |
| NLGN1 | ENSG00000169760.17 | 3.38272064 | 3.405776718 | 2.163547251 |
| PALM2-AKAP | ENSG00000157654.17 | 2.988876986 | 4.458133763 | 0.809317603 |
| ZNF268 | ENSG00000090612.20 | 2.36020947 | 1.806879922 | 1.170412751 |
| GPSM3 | ENSG00000213654.9 | 2.353048056 | 0.562954857 | 1.221663942 |
| FAM110A | ENSG00000125898.12 | 2.220426292 | 1.632836985 | 0.856464713 |
| PPFIA4 | ENSG00000143847.15 | 2.479798211 | 1.335081123 | 0.943256126 |
| USP2 | ENSG00000036672.15 | 0.672122014 | 1.322685892 | 1.673893169 |
| AC004943.2 | ENSG00000259768.5 | 0.841511289 | 1.705030605 | 1.934173858 |
| AC004890.2 | ENSG00000244560.6 | 2.308652526 | 3.085504708 | 2.184178449 |
| AC091057.3 | ENSG00000269974.1 | 1.039954104 | 0.804436164 | 0.829081902 |
| RNF144A-AS1 | ENSG00000228203.6 | 3.406907289 | 4.566537921 | 0.674523825 |
| SEMA7A | ENSG00000138623.9 | 4.473469507 | 3.310656867 | 0.561105782 |
| RPS28P7 | ENSG00000227097.5 | 1.987730472 | 1.576909066 | 1.071553363 |

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| BX679664.3 | ENSG00000244716.3 | 1.990358418 | 2.364298417 | 1.188860566 |
| CDK3 | ENSG00000250506.7 | 1.461922004 | 1.47830293 | 2.200918509 |
| AL121603.2 | ENSG00000258738.1 | 1.539628352 | 0.727795151 | 2.095455632 |
| AC083798.2 | ENSG00000272758.5 | 2.280782516 | 1.770295156 | 2.000886981 |
| ALG14 | ENSG00000172339.9 | 1.393938575 | 2.377125069 | 0.711798028 |
| AC040162.1 | ENSG00000261884.2 | 1.344590267 | 1.124956753 | 2.501652935 |
| TTYH2 | ENSG00000141540.10 | 2.069342218 | 7.110911431 | 6.546347381 |
| AL441992.1 | ENSG00000223478.1 | 3.395377885 | 4.249652255 | 0.675044901 |
| AC007191.1 | ENSG00000279407.1 | 2.040026281 | 0.538250559 | 2.10320449 |
| ANKRD34A | ENSG00000272031.2 | 3.674411877 | 3.472664446 | 0.763753299 |
| USP49 | ENSG00000164663.14 | 0.742811282 | 0.750267443 | 1.514892094 |
| AFG1L | ENSG00000135537.16 | 1.440436643 | 1.26277848 | 2.209859741 |
| ZNF747 | ENSG00000169955.7 | 0.408412532 | 1.396799522 | 3.21606016 |
| TSGA10 | ENSG00000135951.14 | 0.885426436 | 2.896213058 | 2.88726182 |
| SOS1-IT1 | ENSG00000229692.3 | 1.547728617 | 0.830447443 | 1.353918854 |
| TBC1D8B | ENSG00000133138.19 | 0.984784632 | 4.471518632 | 2.822386262 |
| MMP16 | ENSG00000156103.15 | 6.275385828 | 1.540277202 | 2.94899376 |
| MIPEPP3 | ENSG00000233325.3 | 2.383808607 | 0.988314655 | 1.853981732 |
| FLT3LG | ENSG00000090554.12 | 3.122721286 | 2.694940517 | 0.905126524 |
| MSH5-SAPCD | ENSG00000255152.8 | 1.670194439 | 2.929032689 | 1.222164342 |
| ZNF613 | ENSG00000176024.17 | 1.299018921 | 1.789294774 | 1.683819603 |
| TSPAN10 | ENSG00000182612.10 | 0.703535188 | 5.515770949 | 2.662044776 |
| ZNF547 | ENSG00000152433.14 | 1.714307619 | 1.013713737 | 2.38871624 |
| SH3BP5-AS1 | ENSG00000224660.1 | 1.401272987 | 1.719664538 | 1.604346427 |
| AC092123.2 | ENSG00000274627.1 | 1.486380502 | 1.418990663 | 2.427177033 |
| BBS12 | ENSG00000181004.9 | 2.366512296 | 2.120980443 | 1.90706942 |
| RNF208 | ENSG00000212864.3 | 2.378081474 | 2.453717503 | 3.096724759 |
| ISG20 | ENSG00000172183.14 | 5.540763499 | 4.244466728 | 2.072519559 |
| Z83843.1 | ENSG00000271533.1 | 1.240201071 | 2.247415103 | 1.241673966 |
| ZNF532 | ENSG00000074657.13 | 5.650591735 | 4.500317929 | 5.731012011 |
| AL135925.1 | ENSG00000272447.1 | 2.361244728 | 0.499871161 | 2.122432731 |
| EMB | ENSG00000170571.11 | 4.928672212 | 3.65278335 | 1.703022485 |
| ZNF425 | ENSG00000204947.8 | 0.913804114 | 0.975261308 | 2.333139213 |
| CCDC171 | ENSG00000164989.16 | 2.06520138 | 0.993889268 | 0.821096876 |
| AC126755.1 | ENSG00000205746.9 | 0.629743975 | 1.105579883 | 1.310419337 |
| EGFL8 | ENSG00000241404.6 | 1.390726778 | 3.22047476 | 1.786734714 |
| SYNE3 | ENSG00000176438.12 | 3.281382678 | 1.145156577 | 1.705808947 |
| HR | ENSG00000168453.14 | 6.656786752 | 6.657296784 | 2.989149659 |
| TP1P2 | ENSG00000230359.5 | 2.1168836 | 2.766276297 | 1.200202202 |
| SNORD59A | ENSG00000207031.1 | 2.086897057 | 1.372271255 | 1.954560381 |
| GFPT2 | ENSG00000131459.12 | 5.458181158 | 0.529741318 | 4.136008853 |
| AC105285.1 | ENSG00000245213.6 | 0.907116188 | 1.026757414 | 1.401510407 |
| SNHG20 | ENSG00000234912.11 | 2.135681385 | 1.981778309 | 3.423181113 |
| DHRS12 | ENSG00000102796.10 | 1.837559393 | 3.146537585 | 3.945539955 |
| AC091271.1 | ENSG00000273702.1 | 1.705712137 | 1.363516127 | 1.125525516 |
| ZNF555 | ENSG00000186300.11 | 1.014083232 | 1.561549701 | 2.181630584 |

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| HNRNPCP2 | ENSG00000204253.4 | 2.266821747 | 1.04626019 | 0.681701289 |
| AC092821.3 | ENSG00000284634.1 | 3.433238523 | 3.1575939 | 3.488408457 |
| DNAJC6 | ENSG00000116675.15 | 4.596450609 | 2.404622766 | 1.311037207 |
| TMEM231 | ENSG00000205084.10 | 2.735395945 | 1.969611721 | 1.992200259 |
| DENND1B | ENSG00000213047.12 | 2.628427571 | 1.673209757 | 2.86375263 |
| ROM1 | ENSG00000149489.8 | 3.663796273 | 0.823438034 | 1.913768963 |
| DZANK1 | ENSG00000089091.16 | 2.025915095 | 2.279130866 | 0.495905509 |
| VSIG10L | ENSG00000186806.5 | 2.609104825 | 2.169167648 | 0.881952354 |
| TEC | ENSG00000135605.12 | 0.711327162 | 1.818577515 | 3.219592731 |
| P2RX7 | ENSG00000089041.16 | 0.544251361 | 3.29881856 | 5.438346079 |
| CYR61 | ENSG00000142871.16 | 5.538246653 | 3.233741534 | 0.665835633 |
| CCDC122 | ENSG00000151773.12 | 2.273304994 | 0.725096919 | 3.677797515 |
| KTN1-AS1 | ENSG00000186615.10 | 2.133428698 | 1.196508616 | 1.621322527 |
| RPL9P7 | ENSG00000238103.4 | 2.568766374 | 1.248020106 | 2.574943133 |
| SEMA6A | ENSG00000092421.16 | 2.24717126 | 6.752036813 | 1.53517162 |
| TRIP6 | ENSG00000087077.13 | 6.929348965 | 6.513436732 | 0.298821147 |
| ANO7 | ENSG00000146205.13 | 1.776764627 | 3.488807779 | 1.365868044 |
| AL354920.1 | ENSG00000254473.1 | 0.726451643 | 2.443130484 | 1.425771692 |
| ZNF814 | ENSG00000204514.9 | 5.147466365 | 2.813377299 | 3.01161319 |
| TECPR2 | ENSG00000196663.15 | 3.072229073 | 3.717291734 | 0.366202663 |
| C14orf28 | ENSG00000179476.7 | 0.529049698 | 0.863329654 | 1.292047325 |
| TEN1-CDK3 | ENSG00000261408.6 | 2.587148891 | 2.022972662 | 2.931293856 |
| TMEM169 | ENSG00000163449.10 | 1.3397042 | 2.112256513 | 1.212417319 |
| FBXO43 | ENSG00000156509.13 | 2.733663036 | 1.319545202 | 0.446252074 |
| AC242376.2 | ENSG00000274471.1 | 2.011294685 | 0.435467499 | 1.630624958 |
| MIR590 | ENSG00000207741.1 | 1.205612757 | 2.223189319 | 1.775683056 |
| OTUB2 | ENSG00000089723.9 | 2.088939826 | 1.644426858 | 0.409093622 |
| PCDH7 | ENSG00000169851.15 | 4.563381785 | 0.345044594 | 6.141931228 |
| REP15 | ENSG00000174236.3 | 2.341326302 | 1.731896752 | 0.925381104 |
| FGF2 | ENSG00000138685.13 | 4.032868579 | 2.211685017 | 4.197375026 |
| AC015813.5 | ENSG00000279069.1 | 2.215561816 | 2.265214639 | 2.353800124 |
| SEMA3C | ENSG00000075223.13 | 5.336482602 | 4.296150721 | 4.349347881 |
| LINC01004 | ENSG00000228393.3 | 1.302645496 | 1.990837581 | 2.203661463 |
| DOPEY1 | ENSG00000083097.14 | 2.842023152 | 2.20514739 | 2.320323491 |
| PRSS23 | ENSG00000150687.11 | 6.960708385 | 4.141671945 | 0.458756781 |
| RSPH3 | ENSG00000130363.11 | 2.813114069 | 2.136913235 | 2.174865844 |
| SYDE2 | ENSG00000097096.8 | 0.644307354 | 1.1526884 | 0.969741839 |
| AC007066.2 | ENSG00000261094.2 | 1.147935921 | 1.562206968 | 1.604202985 |
| MAN2B2 | ENSG00000013288.8 | 2.928094277 | 4.308991709 | 5.175230344 |
| AL080317.1 | ENSG00000230177.1 | 1.059604541 | 2.37222612 | 1.511414602 |
| AC087741.1 | ENSG00000262580.5 | 3.812926261 | 2.784933293 | 3.003522247 |
| ZNF792 | ENSG00000180884.9 | 1.855677865 | 2.615107371 | 1.627478754 |
| ZNF678 | ENSG00000181450.17 | 1.494864718 | 0.504447213 | 1.098600216 |
| GGACT | ENSG00000134864.10 | 0.725651834 | 2.298647906 | 2.794098736 |
| ABLIM1 | ENSG00000099204.18 | 3.348656481 | 3.204796469 | 6.942136081 |
| LIPE-AS1 | ENSG00000213904.8 | 1.545215265 | 2.941656333 | 1.671497719 |

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| ALG10B | ENSG00000175548.8 | 3.132405686 | 2.278104566 | 0.625363298 |
| Z97634.1 | ENSG00000236829.9 | 1.907216253 | 2.901052706 | 2.886547826 |
| AC130324.3 | ENSG00000275185.1 | 1.509766958 | 1.996192257 | 1.080010162 |
| OAZ3 | ENSG00000143450.16 | 0.79246549 | 2.667305483 | 1.21348927 |
| ZNF799 | ENSG00000196466.10 | 1.79365388 | 0.876548871 | 2.156424905 |
| C8orf46 | ENSG00000169085.11 | 0.401683181 | 2.884432022 | 1.597427047 |
| AC245100.8 | ENSG00000280649.2 | 2.062353352 | 2.397770639 | 1.016711523 |
| TMEM86A | ENSG00000151117.8 | 1.760901025 | 2.600165255 | 2.139944892 |
| AGBL3 | ENSG00000146856.14 | 1.357670576 | 0.983523538 | 1.9334875 |
| RNU6-33P | ENSG00000207524.1 | 2.273884116 | 3.390600622 | 0.449667551 |
| AC034236.1 | ENSG00000185641.6 | 2.636409985 | 0.354810527 | 1.294407359 |
| ZNF862 | ENSG00000106479.10 | 0.899700683 | 3.108641402 | 4.515546173 |
| LZTS3 | ENSG00000088899.14 | 1.493325927 | 2.929032269 | 0.384095789 |
| KLF15 | ENSG00000163884.3 | 3.348682376 | 4.709988159 | 3.72624461 |
| AL513165.2 | ENSG00000256966.6 | 2.24939674 | 1.873162758 | 1.473581255 |
| AC099343.3 | ENSG00000271646.1 | 2.020958859 | 0.658985193 | 0.698594725 |
| TBC1D2 | ENSG00000095383.19 | 1.216194654 | 2.302675247 | 3.951575274 |
| SLC6A15 | ENSG00000072041.16 | 6.430619671 | 6.107794956 | 5.352147596 |
| AP005482.3 | ENSG00000267249.1 | 0.647321835 | 1.463592667 | 0.702017179 |
| LENG8-AS1 | ENSG00000226696.5 | 2.741250767 | 1.696183609 | 3.014451217 |
| AC055811.4 | ENSG00000278864.1 | 2.465291405 | 0.512560967 | 2.086007399 |
| CDR2L | ENSG00000109089.7 | 3.523806252 | 1.309387295 | 0.658403965 |
| AP002495.1 | ENSG00000254469.7 | 2.724320323 | 1.383262503 | 1.509130234 |
| TTC39B | ENSG00000155158.20 | 1.651597155 | 0.663441442 | 2.246209717 |
| EGFL7 | ENSG00000172889.15 | 2.268988304 | 6.315599605 | 4.124467932 |
| AC018797.2 | ENSG00000246560.2 | 0.804825782 | 1.592979115 | 2.183078174 |
| AC064807.1 | ENSG00000228801.5 | 1.422330308 | 1.691249096 | 0.787930748 |
| EGR3 | ENSG00000179388.8 | 4.69706263 | 5.212754988 | 5.134399867 |
| AL109811.3 | ENSG00000271895.2 | 1.337124114 | 1.186914842 | 2.032084023 |
| AC012073.1 | ENSG00000271936.1 | 3.197985541 | 2.078778243 | 0.600349099 |
| JDP2 | ENSG00000140044.12 | 0.996514737 | 2.342171996 | 3.314008676 |
| RBPMS-AS1 | ENSG00000254109.5 | 0.842440588 | 2.991726894 | 0.925915928 |
| WDR17 | ENSG00000150627.15 | 2.275544281 | 2.134873811 | 2.571675398 |
| ENOX1 | ENSG00000120658.13 | 0.579106165 | 2.965954044 | 2.246779548 |
| ZNF19 | ENSG00000157429.15 | 1.08877762 | 1.116483616 | 2.208531878 |
| CEBPD | ENSG00000221869.4 | 3.530153971 | 3.460872911 | 0.577605345 |
| RPL7P1 | ENSG00000214485.6 | 2.422165922 | 1.422694905 | 1.238194991 |
| KDM4D | ENSG00000186280.6 | 1.878995149 | 0.465354373 | 2.083945404 |
| SPACA6 | ENSG00000182310.13 | 3.167840749 | 2.23712604 | 0.420557068 |
| ZNF628 | ENSG00000197483.9 | 2.207367313 | 0.815706706 | 1.779361253 |
| AL021707.6 | ENSG00000272669.1 | 2.121456145 | 2.368995692 | 0.779426214 |
| FOSB | ENSG00000125740.13 | 2.803805317 | 0.882724654 | 1.214782393 |
| CAPN10-AS1 | ENSG00000260942.1 | 0.405453298 | 1.128428444 | 1.166688313 |
| GPR135 | ENSG00000181619.11 | 1.338805213 | 0.389311056 | 0.725639652 |
| PCDHB13 | ENSG00000187372.11 | 1.634411841 | 0.231259162 | 0.971248736 |
| ATP6V0E2-AS | ENSG00000204934.10 | 1.191300303 | 0.778019135 | 1.978977978 |

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| LONRF3 | ENSG00000175556.16 | 3.575007977 | 4.758633436 | 4.558856754 |
| SMIM27 | ENSG00000235453.9 | 1.649281236 | 0.69081441 | 1.420912125 |
| PARD6B | ENSG00000124171.8 | 2.045444461 | 1.554633427 | 2.761015222 |
| LPAR6 | ENSG00000139679.15 | 2.758670462 | 2.393651012 | 1.590706246 |
| C12orf60 | ENSG00000182993.3 | 1.151996309 | 2.55102127 | 2.338476131 |
| TOLLIP-AS1 | ENSG00000255153.1 | 0.9554082 | 1.297043784 | 0.679701013 |
| SLC22A17 | ENSG00000092096.16 | 0.80155567 | 3.185340649 | 0.538793758 |
| EPS8L1 | ENSG00000131037.14 | 0.491294153 | 2.85289919 | 3.250929737 |
| IL17D | ENSG00000172458.4 | 0.906798571 | 2.211183008 | 1.740936029 |
| THAP9 | ENSG00000168152.12 | 1.372793603 | 1.47128148 | 1.058484224 |
| SLCO3A1 | ENSG00000176463.13 | 4.355028059 | 4.626625716 | 2.821600781 |
| EBLN2 | ENSG00000255423.1 | 1.158392759 | 1.277785592 | 0.630174736 |
| EPHX4 | ENSG00000172031.6 | 3.924147242 | 3.576905573 | 3.402940711 |
| RPL36A-HNR1 | ENSG00000257529.5 | 1.512016478 | 3.545238054 | 2.991551225 |
| DNHD1 | ENSG00000179532.12 | 2.845736649 | 3.592552681 | 1.229626594 |
| ZNF286B | ENSG00000249459.8 | 2.579512584 | 1.226718914 | 0.762423335 |
| AC004918.1 | ENSG00000244701.1 | 1.283091884 | 1.85054626 | 1.155502101 |
| FLVCR1-AS1 | ENSG00000198468.7 | 2.741586933 | 0.582402076 | 2.029181348 |
| TLR6 | ENSG00000174130.12 | 2.506636652 | 2.302884473 | 4.735542281 |
| NLRP1 | ENSG00000091592.15 | 2.816969028 | 0.406390361 | 0.73313359 |
| AC009303.4 | ENSG00000279227.1 | 0.501773458 | 2.03980275 | 1.584724379 |
| ZNF583 | ENSG00000198440.9 | 0.794864664 | 0.441237617 | 0.898461003 |
| ZNF436-AS1 | ENSG00000249087.6 | 1.907594724 | 0.97882856 | 1.273711176 |
| Z99129.4 | ENSG00000279453.1 | 1.781705341 | 1.116612567 | 0.171229597 |
| ASPHD2 | ENSG00000128203.6 | 1.602680376 | 2.731164499 | 0.503839382 |
| AC120114.4 | ENSG00000279789.1 | 1.499863462 | 1.576302287 | 1.326720366 |
| DSTNP2 | ENSG00000248593.3 | 3.205817458 | 3.133070458 | 3.545151634 |
| SPATA25 | ENSG00000149634.4 | 1.155647237 | 0.909940304 | 0.704950981 |
| MAP1A | ENSG00000166963.12 | 3.887058652 | 0.420163252 | 2.356259608 |
| AC008115.3 | ENSG00000275560.1 | 1.922430986 | 1.515562717 | 1.872087061 |
| RNU6-8 | ENSG00000202337.1 | 1.939894116 | 0.782817815 | 0.428223998 |
| FCRLB | ENSG00000162746.14 | 2.416260716 | 1.928813715 | 0.424834836 |
| AL162377.1 | ENSG00000231856.2 | 0.512021424 | 0.566744522 | 0.959699542 |
| ADAMTS7 | ENSG00000136378.14 | 1.039770612 | 1.567052877 | 2.143167677 |
| PSMG3-AS1 | ENSG00000230487.7 | 0.729891427 | 4.215400259 | 1.368432496 |
| AL512625.1 | ENSG00000170161.6 | 3.553748529 | 1.669753846 | 0.532854773 |
| CFAP69 | ENSG00000105792.19 | 1.02202586 | 1.645665308 | 0.774409481 |
| DOK3 | ENSG00000146094.13 | 2.858942058 | 2.122501364 | 0.95278719 |
| AC092902.2 | ENSG00000241288.7 | 1.661791507 | 1.668338861 | 0.578776496 |
| PPP1R26 | ENSG00000196422.10 | 4.224623973 | 5.386084159 | 5.244875884 |
| AC068724.1 | ENSG00000205871.5 | 1.763921541 | 0.968940507 | 0.98456413 |
| AL645568.1 | ENSG00000203739.3 | 0.973897441 | 0.93089362 | 0.618581893 |
| LRRC29 | ENSG00000125122.15 | 2.003082767 | 1.848987405 | 1.647262672 |
| MAST4 | ENSG00000069020.18 | 1.462930412 | 2.177596571 | 2.683188467 |
| CDKL5 | ENSG00000008086.11 | 0.653848043 | 1.144377221 | 3.06272046 |
| SNX24 | ENSG00000064652.10 | 4.759162829 | 4.460068344 | 0.503385804 |

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| NFYC-AS1 | ENSG00000272145.1 | 1.016774914 | 0.722320938 | 0.489195032 |
| AC093484.4 | ENSG00000265401.1 | 0.899124852 | 0.433172797 | 0.798980158 |
| AC002546.1 | ENSG00000267194.1 | 2.071598468 | 0.626875013 | 2.96681473 |
| APOC1 | ENSG00000130208.9 | 2.530019618 | 0.499839473 | 8.934613092 |
| AC011468.5 | ENSG00000275055.1 | 1.167648053 | 0.982126492 | 0.930916721 |
| SCARNA12 | ENSG00000238795.1 | 2.379396199 | 2.21841822 | 1.542671837 |
| MELTF | ENSG00000163975.11 | 7.109001246 | 6.761835462 | 4.286102637 |
| SRGAP1 | ENSG00000196935.8 | 1.258729685 | 2.200275412 | 3.434907254 |
| IL4R | ENSG00000077238.13 | 2.564181441 | 2.82174683 | 0.289353413 |
| GDPGP1 | ENSG00000183208.12 | 1.012951526 | 1.738136761 | 2.03886018 |
| AC135048.1 | ENSG00000261487.1 | 1.976792761 | 2.304748891 | 1.694828435 |
| SMO | ENSG00000128602.9 | 4.677318392 | 5.361817738 | 5.154024805 |
| ZNF784 | ENSG00000179922.5 | 2.287393142 | 0.427583268 | 1.747616185 |
| AC132938.3 | ENSG00000265458.1 | 2.596399342 | 0.600356163 | 1.155161987 |
| AC007114.1 | ENSG00000263004.1 | 0.486508219 | 1.552423186 | 2.494079208 |
| FAM149A | ENSG00000109794.13 | 0.784125989 | 2.441648599 | 3.293699957 |
| ARHGEF28 | ENSG00000214944.9 | 3.469956275 | 1.361434715 | 2.700399667 |
| FAM53A | ENSG00000174137.12 | 0.914112672 | 0.61671225 | 2.66878342 |
| LINC01588 | ENSG00000214900.9 | 0.504152176 | 2.46663465 | 2.531298956 |
| ARSJ | ENSG00000180801.13 | 3.707940124 | 0.284542141 | 0.356508786 |
| IDH1-AS1 | ENSG00000231908.1 | 0.17631123 | 1.786908787 | 1.090550224 |
| AL445250.1 | ENSG00000225096.2 | 1.506676169 | 2.148159075 | 1.061953011 |
| TTC25 | ENSG00000204815.9 | 2.88039257 | 2.27179103 | 0.981133569 |
| MRC2 | ENSG00000011028.13 | 5.83763341 | 5.821005893 | 4.304647967 |
| C19orf73 | ENSG00000221916.3 | 1.15970781 | 1.047091407 | 0.952561994 |
| SLC22A23 | ENSG00000137266.14 | 0.48857342 | 4.091350954 | 2.859442437 |
| GTF2IP12 | ENSG00000283050.1 | 0.73681615 | 1.577660261 | 0.972803508 |
| ZNF888 | ENSG00000213793.5 | 2.053682123 | 1.701426341 | 1.756122555 |
| AC005726.4 | ENSG00000264608.1 | 1.285581347 | 2.061724085 | 0.918699931 |
| RNF122 | ENSG00000133874.1 | 0.383222411 | 1.880076739 | 1.582392869 |
| LRTOMT | ENSG00000184154.13 | 2.450662747 | 0.993207111 | 2.856075037 |
| CYP2U1 | ENSG00000155016.17 | 0.462115594 | 3.758478502 | 4.511179351 |
| ZNF253 | ENSG00000256771.3 | 2.738901172 | 1.444368763 | 1.396348126 |
| MXD1 | ENSG00000059728.10 | 2.231132694 | 2.189395162 | 1.658328226 |
| MZF1-AS1 | ENSG00000267858.5 | 2.969808195 | 1.398571306 | 1.3610402 |
| RANBP17 | ENSG00000204764.13 | 2.622906614 | 2.464987296 | 0.460225293 |
| NFATC1 | ENSG00000131196.17 | 2.605338937 | 4.030269316 | 2.943089336 |
| AC012313.10 | ENSG00000279611.1 | 1.360111856 | 0.821840418 | 1.628107681 |
| ZBTB42 | ENSG00000179627.9 | 1.969058854 | 1.440705641 | 0.263642876 |
| TDRKH-AS1 | ENSG00000203288.3 | 1.558420574 | 0.945971685 | 1.567849058 |
| RPL21P75 | ENSG00000213860.4 | 2.257552387 | 1.46303633 | 0.915332325 |
| PARD6A | ENSG00000102981.9 | 1.998261571 | 0.937279685 | 1.787854639 |
| RPL41P2 | ENSG00000256338.2 | 1.911458157 | 1.148612183 | 0.41474413 |
| ZNF525 | ENSG00000203326.11 | 2.058182991 | 2.781387397 | 2.202366892 |
| CCDC183-AS1 | ENSG00000228544.1 | 2.11878071 | 1.489303974 | 2.42587535 |
| LINC00526 | ENSG00000264575.1 | 0.645643277 | 1.402685121 | 1.068534499 |

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| CCDC69 | ENSG00000198624.12 | 1.801931419 | 0.359217147 | 2.208125696 |
| L3MBTL1 | ENSG00000185513.14 | 0.64098113 | 3.797507831 | 3.282906998 |
| AC010618.3 | ENSG00000269439.5 | 3.289434769 | 2.948596085 | 2.317742304 |
| GTF2IP13 | ENSG00000272556.2 | 0.283098691 | 1.273598884 | 1.465326425 |
| CSGALNACT1 | ENSG00000147408.14 | 5.126619975 | 3.399186594 | 4.442472994 |
| COBLL1 | ENSG00000082438.15 | 2.54902882 | 2.685622756 | 4.135764812 |
| ZNF300 | ENSG00000145908.12 | 3.645954826 | 3.247860183 | 1.968748272 |
| RAB11B-AS1 | ENSG00000269386.5 | 2.471848318 | 1.897610515 | 0.720515076 |
| COLGALT2 | ENSG00000198756.10 | 2.130275975 | 3.656258009 | 4.039284336 |
| AL353743.1 | ENSG00000165121.11 | 1.982961967 | 1.966609104 | 1.563686197 |
| ATP11C | ENSG00000101974.14 | 4.320298094 | 4.814527109 | 3.601395286 |
| AC090589.3 | ENSG00000270060.1 | 1.210616188 | 1.131215772 | 1.284990183 |
| GMDS-AS1 | ENSG00000250903.8 | 0.914779073 | 1.463554765 | 2.038203358 |
| CYP27B1 | ENSG00000111012.9 | 4.054723398 | 0.83864585 | 2.262958004 |
| DACT3 | ENSG00000197380.10 | 0.128956506 | 1.80100295 | 2.675959129 |
| SGMS2 | ENSG00000164023.14 | 0.31891337 | 2.353550661 | 2.230304228 |
| ETV2 | ENSG00000105672.14 | 0.801353821 | 1.629745579 | 2.238665695 |
| AC087501.5 | ENSG00000271851.1 | 0.434089324 | 0.796693622 | 1.856326729 |
| AL358472.4 | ENSG00000282386.1 | 1.460852326 | 1.538410964 | 0.302561945 |
| AP003392.4 | ENSG00000255121.2 | 3.434543981 | 0.939217589 | 0.361899153 |
| ARHGAP27 | ENSG00000159314.11 | 2.828983314 | 3.355135928 | 3.235113725 |
| ETFBKMT | ENSG00000139160.13 | 0.788609282 | 0.780597436 | 0.295312711 |
| NR4A3 | ENSG00000119508.17 | 0.299735981 | 6.857485623 | 2.327672471 |
| C1QL4 | ENSG00000186897.4 | 0.711468318 | 2.664475399 | 0.468445569 |
| SPIN2B | ENSG00000186787.8 | 1.812818827 | 2.130817071 | 1.777067655 |
| AC134772.2 | ENSG00000282827.2 | 1.508686841 | 0.857579474 | 0.479768124 |
| UBE2Q2P1 | ENSG00000189136.8 | 0.648443271 | 1.970841243 | 2.00082115 |
| FAM86C2P | ENSG00000160172.10 | 2.529559265 | 2.298712912 | 0.452403698 |
| AP005329.3 | ENSG00000272688.1 | 1.526774786 | 2.876116393 | 2.495617507 |
| STX16-NPEPL | ENSG00000254995.4 | 1.624358455 | 1.290349562 | 4.004274456 |
| FLRT2 | ENSG00000185070.10 | 1.818421482 | 1.838408199 | 0.803358071 |
| PCDHB15 | ENSG00000113248.5 | 1.272458922 | 0.297564073 | 0.516059192 |
| FAM229A | ENSG00000225828.1 | 2.729566934 | 2.662079138 | 0.344772815 |
| AC005696.1 | ENSG00000262050.1 | 0.619844932 | 0.980209914 | 1.979732107 |
| EFNB3 | ENSG00000108947.4 | 2.509033907 | 1.755032998 | 0.229157398 |
| SNORA71A | ENSG00000225091.3 | 2.419602649 | 2.172572558 | 0.760787788 |
| SNORD46 | ENSG00000200913.1 | 2.778149512 | 1.742950375 | 0.976328537 |
| FXYD3 | ENSG00000089356.18 | 6.967227962 | 3.758229481 | 7.853245441 |
| CADM4 | ENSG00000105767.2 | 6.985782013 | 3.682887696 | 6.291158292 |
| HDX | ENSG00000165259.13 | 1.221167976 | 1.243340099 | 1.385794197 |
| CYP2J2 | ENSG00000134716.9 | 1.909298259 | 3.633394903 | 2.65384909 |
| MAST1 | ENSG00000105613.9 | 0.479961532 | 3.834846323 | 3.580720134 |
| SPRY4-AS1 | ENSG00000231185.6 | 3.621618401 | 2.158819827 | 3.236164552 |
| ALMS1-IT1 | ENSG00000230002.2 | 1.571934297 | 1.602102121 | 2.347062199 |
| CHKB-AS1 | ENSG00000205559.3 | 0.972594483 | 1.960010716 | 1.46377127 |
| FLJ37453 | ENSG00000179743.4 | 1.6078896 | 0.682389495 | 0.338772682 |

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| SRGN | ENSG00000122862.4 | 2.936839684 | 3.370880812 | 0.737731734 |
| SNORA3B | ENSG00000212607.1 | 2.585992916 | 1.966431193 | 1.698000507 |
| ZBED6 | ENSG00000257315.2 | 4.612449151 | 4.181696723 | 1.722680905 |
| KLF2 | ENSG00000127528.5 | 2.937289582 | 2.329159177 | 0.858206758 |
| HIST1H1E | ENSG00000168298.6 | 2.606351204 | 1.813626332 | 0.5781126 |
| MGLL | ENSG00000074416.13 | 4.099687176 | 3.49187002 | 0.643027484 |
| AC107375.1 | ENSG00000259891.1 | 0.665744248 | 0.682362771 | 0.858753965 |
| ARID5A | ENSG00000196843.15 | 1.259261935 | 2.756221009 | 0.320476473 |
| PDGFRL | ENSG00000104213.12 | 1.568445327 | 3.922546061 | 0.748246098 |
| AZIN1-AS1 | ENSG00000253320.5 | 0.54511847 | 0.958847824 | 2.127683598 |
| SNORA71C | ENSG00000201512.1 | 2.660909635 | 1.667346646 | 1.869770165 |
| RN7SL81P | ENSG00000244218.3 | 0.459179614 | 3.254613038 | 2.130765404 |
| GBP3 | ENSG00000117226.11 | 0.370357825 | 3.997182404 | 2.82136071 |
| AC079922.2 | ENSG00000237753.1 | 0.093733361 | 1.72652368 | 0.849177658 |
| VGF | ENSG00000128564.6 | 6.336806607 | 9.679697914 | 5.368967164 |
| UBAC2-AS1 | ENSG00000228889.6 | 1.33276568 | 2.403769999 | 0.918647533 |
| ZNF66 | ENSG00000160229.11 | 1.906777477 | 1.17167672 | 0.26237234 |
| MIR6807 | ENSG00000275924.1 | 2.049102495 | 1.509045195 | 0.728948477 |
| AC026740.1 | ENSG00000271781.1 | 1.473163241 | 0.906852944 | 0.842875425 |
| SPAG4 | ENSG00000061656.9 | 1.913022658 | 0.743762747 | 2.376508937 |
| TMPO-AS1 | ENSG00000257167.2 | 3.150833127 | 0.692994537 | 0.174647477 |
| PROSER2 | ENSG00000148426.12 | 3.30300074 | 3.724894049 | 3.631964433 |
| AL928654.2 | ENSG00000251602.6 | 2.030825981 | 1.889955926 | 0.459729168 |
| AC239868.2 | ENSG00000261716.1 | 0.997241637 | 1.434750504 | 0.199806967 |
| SLC25A45 | ENSG00000162241.12 | 3.02063806 | 2.459210905 | 0.277248551 |
| PCAT6 | ENSG00000228288.6 | 2.580271695 | 2.989614186 | 0.830838796 |
| COL9A2 | ENSG00000049089.13 | 4.016299291 | 4.100665923 | 3.743427655 |
| LTBP4 | ENSG00000090006.17 | 5.907866574 | 5.822416768 | 5.045195623 |
| DDX11-AS1 | ENSG00000245614.3 | 1.070828366 | 0.868993651 | 0.815258352 |
| AC026979.3 | ENSG00000271869.1 | 0.676807524 | 1.469465465 | 1.963191889 |
| AL161935.3 | ENSG00000237797.1 | 2.193375027 | 0.616408484 | 3.714509938 |
| TMEM136 | ENSG00000181264.8 | 2.722521428 | 0.773193409 | 1.957094468 |
| AL596094.1 | ENSG00000272764.1 | 1.363744342 | 1.090349564 | 0.40275477 |
| AL441883.1 | ENSG00000261071.1 | 0.641387653 | 1.665362618 | 0.380514151 |
| AP000580.1 | ENSG00000219529.2 | 3.174334139 | 3.301925387 | 3.028538732 |
| AC016727.1 | ENSG00000270820.5 | 0.803855055 | 2.562944157 | 0.68876687 |
| RPS10P7 | ENSG00000223396.3 | 1.135418849 | 0.243802477 | 2.085455894 |
| AC106782.2 | ENSG00000260219.2 | 1.852178221 | 0.625342588 | 0.294531962 |
| ELOCP19 | ENSG00000241975.1 | 0.211563922 | 1.262842069 | 1.099321783 |
| COBL | ENSG00000106078.17 | 3.279238228 | 3.894648901 | 2.775997942 |
| NFIA | ENSG00000162599.15 | 2.605510679 | 2.484839679 | 2.10367733 |
| LAMB3 | ENSG00000196878.14 | 3.862348943 | 0.789567883 | 2.092135494 |
| AC012676.5 | ENSG00000280063.1 | 1.984001185 | 2.029628494 | 1.612816491 |
| SPATA7 | ENSG00000042317.16 | 0.996699616 | 1.653463052 | 0.855525829 |
| CERS4 | ENSG00000090661.11 | 3.172741663 | 3.721529107 | 2.435769473 |
| ZNF565 | ENSG00000196357.11 | 1.459484197 | 1.43534236 | 1.52350026 |

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| MMACHC | ENSG00000132763.14 | 4.199629007 | 0.090173584 | 3.31101819 |
| AC122688.3 | ENSG00000279233.1 | 0.373088948 | 0.327427562 | 1.46553626 |
| ZNF850 | ENSG00000267041.5 | 1.209206054 | 2.794102991 | 0.117853301 |
| PROCR | ENSG00000101000.5 | 5.493460431 | 6.396298214 | 4.99423994 |
| RALGPS1 | ENSG00000136828.18 | 0.554649277 | 1.090625186 | 3.374941859 |
| AC108488.1 | ENSG00000242282.6 | 3.146819751 | 2.023858264 | 0.166756271 |
| AC113935.1 | ENSG00000226084.5 | 1.877856943 | 2.051368976 | 1.017708836 |
| HNRNPA1P48 | ENSG00000224578.4 | 4.492044516 | 2.659631522 | 2.698956384 |
| CORO2A | ENSG00000106789.12 | 2.855628771 | 3.24049377 | 1.394021242 |
| C2orf72 | ENSG00000204128.5 | 0.5916928 | 1.622351963 | 1.662098817 |
| HNRNPA1P7 | ENSG00000215492.6 | 2.71614334 | 0.788917628 | 0.807582491 |
| HSPA1L | ENSG00000204390.9 | 0.147669869 | 1.715779615 | 2.12327516 |
| SNORA66 | ENSG00000207523.1 | 1.893985987 | 1.910289747 | 0.709772135 |
| PDZD4 | ENSG00000067840.12 | 1.419770961 | 3.459981378 | 3.150665879 |
| AC007038.2 | ENSG00000272807.1 | 1.024034933 | 2.034744093 | 1.807007287 |
| DEPTOR | ENSG00000155792.9 | 3.088046394 | 2.546161351 | 2.589090497 |
| PTK2B | ENSG00000120899.17 | 1.231970061 | 1.749955247 | 2.285286149 |
| DNAJC3-AS1 | ENSG00000247400.3 | 1.764702202 | 0.84658702 | 1.78933646 |
| NEK3 | ENSG00000136098.16 | 0.375036881 | 1.777349592 | 3.883769649 |
| ZSCAN18 | ENSG00000121413.12 | 1.357242334 | 2.094005785 | 1.199101775 |
| AC025181.2 | ENSG00000272086.1 | 0.733935645 | 1.494157125 | 1.295066332 |
| AC092910.3 | ENSG00000242622.1 | 1.412058188 | 1.232706794 | 1.285421514 |
| AL035461.2 | ENSG00000275632.1 | 3.02533292 | 1.690774767 | 0.411314227 |
| MIPOL1 | ENSG00000151338.18 | 1.961390251 | 1.602495722 | 2.378360231 |
| AC025857.2 | ENSG00000269899.1 | 0.625445819 | 2.46983096 | 6.800458035 |
| DNAAF4 | ENSG00000256061.7 | 3.057854454 | 3.120604552 | 2.131260034 |
| BEST1 | ENSG00000167995.15 | 0.88296584 | 4.436524034 | 5.665915589 |
| SNORD125 | ENSG00000239127.1 | 2.812692251 | 2.88614445 | 1.815675467 |
| AC004922.1 | ENSG00000284292.1 | 6.346263877 | 7.234930063 | 0.392634222 |
| JHDM1D-AS1 | ENSG00000260231.1 | 2.274803074 | 1.406678266 | 2.191898259 |
| NR6A1 | ENSG00000148200.16 | 0.553663764 | 2.462647526 | 0.196503774 |
| VAX2 | ENSG00000116035.2 | 1.516519274 | 1.80181978 | 0.188449412 |
| AC016026.1 | ENSG00000093100.13 | 0.667456484 | 2.229116668 | 0.897473134 |
| AL161772.1 | ENSG00000278291.1 | 2.44199531 | 2.656176139 | 2.364328449 |
| CROCCP3 | ENSG00000080947.14 | 0.975558198 | 1.526303195 | 2.157322245 |
| AL354740.1 | ENSG00000225339.3 | 1.774654188 | 1.29735026 | 0.21952029 |
| AC107918.4 | ENSG00000284610.1 | 1.317777389 | 3.340866797 | 4.363806601 |
| POLR2J2 | ENSG00000267645.5 | 2.504225812 | 1.70529636 | 3.287644472 |
| ATP1A1-AS1 | ENSG00000203865.9 | 0.560096879 | 0.958714757 | 0.579012038 |
| AC064836.3 | ENSG00000273456.1 | 0.843633722 | 1.967595956 | 2.425370824 |
| MECOM | ENSG00000085276.17 | 2.416753562 | 2.72967273 | 3.028676731 |
| ST6GALNAC2 | ENSG00000070731.10 | 0.540279994 | 4.124325618 | 5.814028732 |
| RPS24P8 | ENSG00000224094.1 | 2.746272683 | 0.378494969 | 1.355425641 |
| DPYSL3 | ENSG00000113657.12 | 4.842891882 | 4.15873976 | 5.040988483 |
| ZHX2 | ENSG00000178764.7 | 2.23959714 | 2.278081905 | 1.829133608 |
| SNORD68 | ENSG00000200084.1 | 4.054124998 | 3.735223836 | 1.596187948 |

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| PCDHGA6 | ENSG00000253731.2 | 0.724625064 | 0.210767444 | 0.405439063 |
| AC107068.1 | ENSG00000259959.1 | 2.280489383 | 0.467451091 | 1.719675834 |
| AURKAPS1 | ENSG00000213033.4 | 1.425268776 | 0.333540881 | 2.130898214 |
| AC074143.1 | ENSG00000265690.7 | 0.469764301 | 1.489096721 | 2.177221214 |
| NPTN-IT1 | ENSG00000281183.1 | 0.21212765 | 0.845440003 | 1.095384628 |
| AC241585.2 | ENSG00000272419.6 | 3.163139241 | 3.394206836 | 2.656706238 |
| EN2 | ENSG00000164778.4 | 4.348207311 | 5.805945797 | 0.535919776 |
| AC026403.1 | ENSG00000229119.3 | 2.357677608 | 1.095452467 | 2.114197436 |
| SNORA72 | ENSG00000207067.1 | 2.407399838 | 1.485441086 | 0.401208776 |
| DENND3 | ENSG00000105339.10 | 2.507327332 | 0.485789028 | 3.231892852 |
| ZNF418 | ENSG00000196724.12 | 0.697571258 | 1.425853052 | 0.560795318 |
| LINC02482 | ENSG00000251580.1 | 2.358499161 | 0.162260974 | 3.588406239 |
| RPP25 | ENSG00000178718.6 | 5.434227122 | 5.895475378 | 0.246379389 |
| BTG2 | ENSG00000159388.5 | 3.498629464 | 3.696407611 | 3.918497781 |
| AC006449.6 | ENSG00000277969.1 | 1.558074846 | 0.971760565 | 1.653976409 |
| AC104506.1 | ENSG00000273204.1 | 1.42056672 | 0.317143415 | 0.278950967 |
| AC048344.4 | ENSG00000277342.1 | 1.958120955 | 1.302717602 | 1.427459844 |
| HOXB8 | ENSG00000120068.6 | 4.569555697 | 2.01267616 | 3.430648363 |
| AC009237.3 | ENSG00000229689.3 | 2.377155765 | 0.532458181 | 2.134744303 |
| METTL27 | ENSG00000165171.10 | 4.546673736 | 2.423128874 | 0.847602274 |
| FOXN3-AS1 | ENSG00000258920.1 | 0.822005565 | 0.182462789 | 0.60746295 |
| AC017100.1 | ENSG00000259985.1 | 2.617019268 | 2.370081675 | 2.981557103 |
| CHST2 | ENSG00000175040.5 | 3.932279565 | 4.790888304 | -0.023946928 |
| NCR3LG1 | ENSG00000188211.8 | 3.102997908 | 3.192837521 | 1.004927592 |
| NAP1L4P1 | ENSG00000177173.5 | 0.726327184 | 1.720026258 | 2.594138147 |
| GRAMD1B | ENSG00000023171.16 | 7.641499482 | 5.507182058 | 2.052886234 |
| ICAM5 | ENSG00000105376.4 | 3.857346692 | 3.908430556 | 2.185865326 |
| SENP8 | ENSG00000166192.14 | 0.593858059 | 0.055005662 | 0.755552806 |
| ZNF443 | ENSG00000180855.15 | 2.366977917 | 0.993387508 | 2.2747725 |
| C2orf81 | ENSG00000284308.1 | 3.656471016 | 1.130321782 | 0.498470432 |
| ICA1L | ENSG00000163596.16 | 1.599550789 | 1.093440374 | 3.050492233 |
| FAM161B | ENSG00000156050.8 | 1.819056453 | 0.321123284 | 2.308706557 |
| 43893 | ENSG00000173926.5 | 0.296153413 | 1.11888568 | 4.020294338 |
| ZNF345 | ENSG00000251247.10 | 0.843665078 | 1.004473499 | 1.349908662 |
| UBA7 | ENSG00000182179.12 | 2.523778845 | 3.052402042 | 0.333662152 |
| FAM212B | ENSG00000197852.9 | 4.232227396 | 1.579880673 | 1.926899184 |
| AL158152.1 | ENSG00000269929.1 | 1.460850839 | 1.783787124 | 1.023325557 |
| FBXL19-AS1 | ENSG00000260852.1 | 1.785194755 | 2.162082086 | 1.236441743 |
| OSR2 | ENSG00000164920.9 | 1.610474636 | 0.110257147 | 0.75078937 |
| IQCJ-SCHIP1 | ENSG00000283154.2 | 5.347817433 | 3.799082774 | 2.976213963 |
| AC139768.1 | ENSG00000278126.1 | 0.487195995 | 1.282080606 | 1.505694152 |
| AL928921.2 | ENSG00000284693.1 | 0.561058839 | 0.435209153 | 0.383988116 |
| HCN2 | ENSG00000099822.2 | 0.346094213 | 4.031045492 | 4.835333716 |
| PDGFRA | ENSG00000134853.11 | 1.903526434 | 0.807441842 | 0.840765667 |
| BAHCC1 | ENSG00000266074.8 | 3.890018587 | 4.613019414 | 5.884715017 |
| HMG1N1P36 | ENSG00000235734.4 | 0.623468469 | 0.257886386 | 0.218764621 |

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| AL121906.2 | ENSG00000275223.1 | 0.721771177 | 1.268219679 | 1.557991121 |
| SAPCD1 | ENSG00000228727.8 | 2.333024779 | 3.070400561 | 1.740145392 |
| TBC1D8-AS1 | ENSG00000272902.2 | 0.159319356 | 0.831041218 | 0.917913912 |
| RBMS3 | ENSG00000144642.21 | 3.930735188 | 0.460490759 | 2.440888162 |
| FST | ENSG00000134363.11 | 7.4654621 | 2.537756191 | 1.360282692 |
| AL022328.4 | ENSG00000273253.2 | 0.954307368 | 1.258948642 | 2.757711094 |
| HMGB1P10 | ENSG00000213707.2 | 2.633052482 | 1.081771299 | 0.50369722 |
| CCDC78 | ENSG00000162004.16 | 2.894685939 | 4.561467405 | 4.473339066 |
| AC105202.1 | ENSG00000247317.3 | 2.756704367 | 3.325422409 | 2.847244013 |
| AC005839.1 | ENSG00000279089.1 | 0.601680076 | 0.563627731 | 1.411120357 |
| ZRANB3 | ENSG00000121988.17 | 2.31983147 | 3.090201891 | 0.746370281 |
| AC133552.6 | ENSG00000275494.1 | 0.611665068 | 1.137864266 | 1.364534389 |
| ADAM11 | ENSG00000073670.13 | 1.631890493 | 3.251407004 | 0.645665742 |
| CEP126 | ENSG00000110318.13 | 1.670213459 | 0.752818188 | 1.21101862 |
| ZNF709 | ENSG00000242852.6 | 1.649316278 | 0.336356146 | 1.479129498 |
| TM4SF1 | ENSG00000169908.11 | 6.917615141 | 2.511016214 | 1.097691078 |
| GSDMB | ENSG00000073605.18 | 1.43379421 | 3.081663202 | 0.561884057 |
| AC008393.1 | ENSG00000245317.2 | 0.630402348 | 0.135035207 | 0.989619079 |
| GOLGA2P7 | ENSG00000225151.10 | 1.305809358 | 1.266611155 | 2.778350863 |
| AC243964.3 | ENSG00000279095.1 | 2.974540963 | 1.208682069 | 0.550182432 |
| TIPARP-AS1 | ENSG00000243926.1 | 1.384987425 | 1.295121604 | 0.861070845 |
| AC098487.1 | ENSG00000248161.5 | 0.878168127 | 0.625939595 | 0.504248309 |
| AC090114.2 | ENSG00000273270.1 | 1.089082861 | 1.197667176 | 1.893329646 |
| AP003108.2 | ENSG00000256591.5 | 3.26345618 | 0.929528721 | 1.803882187 |
| GPR176 | ENSG00000166073.10 | 4.203830843 | 1.930564365 | 2.02004163 |
| ANXA1 | ENSG00000135046.13 | 10.0955134 | 2.615188289 | 0.395509326 |
| LRRC46 | ENSG00000141294.9 | 1.833721106 | -0.067144254 | 1.573239965 |
| FLJ27354 | ENSG00000231999.6 | 0.027857193 | 1.113744093 | 3.488614529 |
| CBS | ENSG00000160200.17 | 0.835369311 | 3.357284626 | 4.221439283 |
| ATXN3 | ENSG00000066427.21 | 2.711149752 | 1.584910429 | 0.66589997 |
| PANX2 | ENSG00000073150.13 | 1.308895907 | 3.154417848 | 0.434195261 |
| ZP3 | ENSG00000188372.14 | 2.076675714 | 2.10339849 | 0.007547144 |
| LCA5 | ENSG00000135338.13 | 1.687478525 | 1.01528715 | 1.853998132 |
| CARD8-AS1 | ENSG00000268001.1 | 1.334144369 | 1.222755976 | 2.428294383 |
| ARHGAP29 | ENSG00000137962.12 | 2.419039878 | 2.51198724 | -0.008976707 |
| AC133041.1 | ENSG00000272710.2 | 2.162343227 | 3.102301079 | 1.923448428 |
| TSPAN12 | ENSG00000106025.8 | 4.901640435 | 3.398818693 | 5.354479749 |
| PROCA1 | ENSG00000167525.13 | 1.081883569 | 0.786999997 | -0.060479175 |
| CNIH2 | ENSG00000174871.10 | 4.069877467 | 0.230712958 | 2.167168172 |
| SRGAP2D | ENSG00000270872.2 | 3.410682781 | 3.05221628 | 0.415304229 |
| C1orf53 | ENSG00000203724.10 | 3.493444283 | 0.778431666 | 0.107624624 |
| RAB11FIP4 | ENSG00000131242.17 | 0.832015539 | 5.989791017 | 5.003485854 |
| SRP54-AS1 | ENSG00000258704.6 | 1.317746193 | 0.61500397 | 0.298843868 |
| FAM185BP | ENSG00000214439.3 | 0.20871536 | 0.647887212 | 0.663268381 |
| AC011511.1 | ENSG00000167807.15 | 1.272299532 | 0.547657364 | 0.880129497 |
| FAM83G | ENSG00000188522.14 | 4.311772001 | 3.183511982 | 2.867129953 |

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| AL589666.1 | ENSG00000271793.1 | 2.797591371 | 1.631285393 | 0.560431888 |
| AC023043.1 | ENSG00000260552.1 | 4.851767395 | 3.687618107 | 0.752306153 |
| CCDC88B | ENSG00000168071.21 | 1.779168343 | 2.271269369 | 3.139830628 |
| PLEKHG5 | ENSG00000171680.21 | 4.28312879 | 3.339540608 | 1.981014787 |
| AL513550.1 | ENSG00000228506.1 | 2.503182335 | 1.295983207 | 2.260301584 |
| HSD3B7 | ENSG00000099377.13 | 0.967048183 | 3.035180617 | 0.09649599 |
| CERS1 | ENSG00000223802.7 | 4.187700215 | 4.376998983 | 2.157859556 |
| NP1PB3 | ENSG00000169246.16 | 1.24178611 | 2.354964367 | 1.85924377 |
| PFN4 | ENSG00000176732.6 | 1.866631312 | 0.747314292 | 0.3927435 |
| BOLA2B | ENSG00000169627.7 | 2.258049414 | 1.706713381 | 1.961649647 |
| AC026271.4 | ENSG00000264885.1 | 2.74286542 | 0.20465227 | 1.633198675 |
| DYSF | ENSG00000135636.13 | 0.277409964 | 1.864497336 | 0.246587089 |
| ZNF551 | ENSG00000204519.10 | 2.333341607 | 0.706392978 | 1.005646311 |
| C15orf65 | ENSG00000261652.2 | 2.246773882 | 0.834280935 | 3.388592315 |
| BFSP1 | ENSG00000125864.13 | 3.029896984 | 0.312154117 | 1.759914933 |
| EFEMP2 | ENSG00000172638.12 | 2.260455231 | 2.129665487 | 3.044251771 |
| RHPN1-AS1 | ENSG00000254389.3 | 2.184959102 | 0.873453059 | 0.652584842 |
| AC096992.2 | ENSG00000273486.1 | -0.144168545 | 1.135199812 | 1.161405296 |
| ENC1 | ENSG00000171617.13 | 5.149764754 | 2.624955325 | 3.206529644 |
| AL669831.5 | ENSG00000237491.8 | 1.476548925 | 2.732472932 | 0.177257894 |
| KIAA1958 | ENSG00000165185.14 | 2.725661962 | 2.381756658 | 1.34065524 |
| SMAD6 | ENSG00000137834.14 | 3.777343023 | 2.487630964 | -0.012441229 |
| HOXB13 | ENSG00000159184.7 | 3.550253632 | 2.783041271 | 0.039140007 |
| SLC25A5-AS1 | ENSG00000224281.4 | 0.323832141 | 0.340168619 | 1.524136341 |
| AC002310.1 | ENSG00000235560.3 | 1.010580102 | 0.030953229 | 1.17036104 |
| SCARNA15 | ENSG00000252690.3 | 1.31218421 | 0.157939918 | 0.669292264 |
| ZNF554 | ENSG00000172006.11 | 1.49902523 | 0.949524631 | 0.837149862 |
| BBOF1 | ENSG00000119636.15 | 0.97895702 | 1.669012574 | 1.408632723 |
| RAB6B | ENSG00000154917.10 | 2.423323615 | 4.655198891 | 5.976130875 |
| CCDC149 | ENSG00000181982.18 | 3.825097266 | 0.35936742 | 5.117877419 |
| LIMCH1 | ENSG00000064042.17 | 5.658653673 | 3.38686096 | 0.082994125 |
| FKBP1B | ENSG00000119782.13 | 2.289419362 | 3.058774372 | 2.683245641 |
| GSTM2 | ENSG00000213366.12 | 2.795656577 | 4.832309818 | 4.271813878 |
| DDX11L2 | ENSG00000236397.3 | 0.190501081 | 1.883457771 | -0.074184449 |
| PABPC5 | ENSG00000174740.7 | 0.079436946 | 1.30607768 | 2.886403276 |
| LRFN1 | ENSG00000128011.4 | 3.670723795 | 4.289444664 | -0.017469169 |
| ZFYVE28 | ENSG00000159733.13 | 2.729471753 | 0.516126451 | 0.142556366 |
| AC009318.2 | ENSG00000273680.1 | 0.73301236 | 1.493737152 | 0.324289301 |
| ASAH2B | ENSG00000204147.9 | 2.247366955 | 1.596767278 | 1.506973038 |
| ZNF585B | ENSG00000245680.9 | 2.53911751 | 1.982096144 | 1.994896163 |
| TMCC3 | ENSG00000057704.12 | 2.130732141 | 1.662980122 | 2.772687664 |
| MIR6850 | ENSG00000283764.1 | 2.1843125 | 1.638171025 | 0.113029975 |
| AC026356.1 | ENSG00000274964.1 | 2.036608961 | 1.617359659 | 0.592172348 |
| PRICKLE1 | ENSG00000139174.11 | 1.930599507 | 0.243205939 | 0.029358727 |
| LY96 | ENSG00000154589.6 | 0.762784898 | 1.253223647 | 4.885192051 |
| LINC00476 | ENSG00000175611.11 | 2.763517382 | 2.134098173 | 1.365988342 |

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| AL139287.1 | ENSG00000240731.1 | 2.500372703 | 2.866339367 | 1.249742706 |
| CTSO | ENSG00000256043.2 | -0.043746849 | 0.158584023 | 1.816208773 |
| AC026471.1 | ENSG00000260267.1 | 3.430079197 | 3.046609943 | 0.168024254 |
| SNHG10 | ENSG00000247092.6 | 3.776261948 | 2.488668702 | 0.411060113 |
| AC092821.1 | ENSG00000214776.11 | 3.295184503 | 2.897966965 | 3.907917281 |
| AC092295.2 | ENSG00000267309.1 | 1.743131546 | 0.948381512 | 0.784120079 |
| ELMO3 | ENSG00000102890.14 | 1.589465882 | 0.273624762 | 0.607409499 |
| AC093157.1 | ENSG00000233184.6 | 0.021673475 | 1.981790256 | 1.402062843 |
| LINC00342 | ENSG00000232931.5 | 1.659545336 | 2.55200754 | -0.125366941 |
| WASF4P | ENSG00000188459.4 | 0.97748209 | 0.929032546 | 0.703152966 |
| RNU6-2 | ENSG00000207357.1 | 1.227846162 | 2.724634021 | 0.170874826 |
| AC006001.2 | ENSG00000226824.6 | 1.664357879 | 3.551834371 | 0.599329473 |
| MGMT | ENSG00000170430.9 | 3.656681342 | 4.416489488 | 4.255489645 |
| STARD5 | ENSG00000172345.13 | -0.227538062 | 1.924491108 | 1.085008242 |
| SNORD19 | ENSG00000212493.1 | 2.632662109 | 2.641911827 | 0.602554442 |
| U91328.2 | ENSG00000272462.2 | -0.212019287 | 1.207790213 | 2.278452458 |
| EDA2R | ENSG00000131080.14 | 2.211897481 | 4.933320513 | 5.659493 |
| PDGFA | ENSG00000197461.13 | 1.75380904 | -0.044329725 | 4.535616022 |
| ZNF815P | ENSG00000235944.8 | 2.31199736 | 2.549371911 | 1.775223461 |
| AP003469.4 | ENSG00000261087.1 | 0.189053532 | 0.149686019 | 0.96036325 |
| AC113398.1 | ENSG00000242814.2 | 0.82363285 | -0.130231106 | 0.810771056 |
| MIR6894 | ENSG00000277474.1 | 1.394554518 | 1.782936896 | 1.827775153 |
| TCTE3 | ENSG00000184786.5 | 0.566526608 | 0.346943224 | 0.682327036 |
| AC112220.4 | ENSG00000271643.1 | 1.048964548 | 1.456178388 | 1.016526122 |
| ZNF880 | ENSG00000221923.8 | 3.238979789 | 4.654537889 | 4.218975729 |
| TMEM255B | ENSG00000184497.12 | 3.25696115 | 0.347580821 | 3.077976982 |
| AC245060.5 | ENSG00000274422.1 | -0.156915075 | 1.78059508 | 1.424505515 |
| SYCP2 | ENSG00000196074.12 | -0.029011145 | 3.164887216 | 4.162322882 |
| AP001062.1 | ENSG00000184441.4 | 0.735738401 | -0.220299304 | 0.241736498 |
| MIR503HG | ENSG00000223749.9 | 2.943119442 | 1.3157432 | 2.25481318 |
| AC008741.2 | ENSG00000274925.1 | 0.82258703 | 1.525038667 | 1.262024626 |
| SOCS2-AS1 | ENSG00000246985.7 | 1.870648545 | 2.085384483 | 0.203694596 |
| ENHO | ENSG00000168913.6 | -0.151236764 | 0.2094107 | 1.406089893 |
| MCIDAS | ENSG00000234602.7 | 3.063427416 | 2.226984228 | 1.122564239 |
| ANKRD36B | ENSG00000196912.12 | 1.733924436 | 1.25882559 | -0.242271169 |
| SNORA75 | ENSG00000206885.1 | 0.836517237 | 1.325395578 | 0.908187322 |
| AC034231.1 | ENSG00000249572.1 | 2.384391867 | 2.189255783 | 2.204084796 |
| LTB4R2 | ENSG00000213906.9 | 1.928781073 | 1.658484368 | 1.349106483 |
| HNRNPA1P1C | ENSG00000214223.4 | 2.112245887 | 0.121973375 | 0.761819974 |
| ZNF10 | ENSG00000256223.5 | 2.136498056 | 2.914985062 | 1.223932338 |
| LSMEM1 | ENSG00000181016.9 | -0.199401091 | 2.065366315 | 0.105462741 |
| AC232271.1 | ENSG00000270012.1 | 0.471084637 | 1.378467391 | 0.85999158 |
| AC009113.1 | ENSG00000259877.2 | 2.498932684 | 1.703055609 | 1.212301176 |
| ZNF571 | ENSG00000180479.13 | 0.60709987 | 1.1098593 | 2.258908696 |
| NDUFV2-AS1 | ENSG00000266053.2 | -0.120405912 | 1.198782727 | 0.332505626 |
| FGFBP3 | ENSG00000174721.9 | 1.008278655 | 0.123310031 | 1.03456408 |

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| TMEM56 | ENSG00000152078.9 | 2.093982753 | 3.969689105 | 2.672849133 |
| AC097534.2 | ENSG00000272870.1 | 1.861889724 | 0.509614326 | 1.702086866 |
| AL606760.1 | ENSG00000226754.1 | 1.250533273 | 0.857704186 | 0.455409076 |
| AC117503.3 | ENSG00000278861.1 | 1.0998217 | 0.282827147 | 0.467852907 |
| AC004771.3 | ENSG00000262227.1 | 1.512247498 | 0.570381595 | 1.404521542 |
| FAM198B | ENSG00000164125.15 | 2.437115986 | 4.84422288 | 0.046541216 |
| AL021068.1 | ENSG00000213062.4 | 1.579726802 | 2.171911951 | 0.957169027 |
| FAM167B | ENSG00000183615.5 | 0.370871224 | 5.297445972 | 1.497164596 |
| AC007040.2 | ENSG00000258881.6 | 1.370087608 | 1.0979588 | 0.280632862 |
| TAS2R14 | ENSG00000212127.5 | 1.203147546 | 1.133676958 | 2.265525647 |
| SNORD101 | ENSG00000206754.1 | 3.815727309 | 0.975963982 | 0.557783388 |
| SUPT3H | ENSG00000196284.15 | 1.901862125 | 2.308141495 | 3.096550871 |
| ZNF546 | ENSG00000187187.13 | 0.476012493 | 1.158934735 | 0.317539703 |
| RPL12P4 | ENSG00000185834.10 | 1.919871267 | 1.298258352 | 0.255144015 |
| KCNIP2 | ENSG00000120049.18 | 0.298828403 | 2.257936367 | 1.316443081 |
| PRKAA2 | ENSG00000162409.10 | 2.09708154 | 2.319490218 | 0.878616017 |
| PBLD | ENSG00000108187.15 | 0.955865572 | -0.071416312 | 1.669834953 |
| AL139035.1 | ENSG00000280710.2 | 1.675384731 | 1.153795923 | 1.561333574 |
| SCOC-AS1 | ENSG00000196951.10 | 0.51105327 | -0.051975273 | 2.699602139 |
| LETM2 | ENSG00000165046.12 | 2.45150696 | 0.147951404 | 1.353543074 |
| AC112220.2 | ENSG00000271020.1 | 2.024710143 | 1.914782485 | 1.820429337 |
| P2RX6 | ENSG00000099957.16 | 1.378292956 | 2.531034331 | 0.206466551 |
| FAM151B | ENSG00000152380.9 | 0.958298148 | -1.4055E-05 | 2.116252427 |
| INO80B | ENSG00000115274.14 | 4.746863595 | 5.099288507 | 3.359859505 |
| PKIA | ENSG00000171033.12 | 1.694920962 | 0.301810188 | 3.476122941 |
| SLC9A3-AS1 | ENSG00000225138.7 | -0.166097956 | 6.546896457 | 3.562048754 |
| CDKN1C | ENSG00000129757.12 | 3.367409927 | 3.01340216 | 2.52137979 |
| ARMC2 | ENSG00000118690.12 | 1.636917401 | 0.598295544 | 1.888901091 |
| AP001893.1 | ENSG00000254694.1 | 0.619113552 | 0.505223646 | 1.030121876 |
| NPPA-AS1 | ENSG00000242349.5 | 0.973555676 | 1.803556296 | 2.393488678 |
| SLC2A10 | ENSG00000197496.5 | 0.084825273 | 5.704785131 | 4.963554855 |
| PLEKHA8P1 | ENSG00000134297.6 | 3.621627326 | 2.813598153 | 0.17986559 |
| AL136295.4 | ENSG00000259522.3 | 4.732299694 | 3.635029817 | 4.322196574 |
| KALRN | ENSG00000160145.15 | 3.726112734 | 0.53263325 | 3.355133216 |
| C4orf36 | ENSG00000163633.10 | 0.224212488 | 1.973125674 | 4.520858433 |
| MAGI2 | ENSG00000187391.19 | 1.274757284 | 3.050512624 | 3.483024375 |
| AL049840.5 | ENSG00000270108.1 | 0.977643262 | 0.445820741 | 0.761130895 |
| RHBDL1 | ENSG00000103269.13 | 1.891102804 | 1.941934905 | 1.608110528 |
| ZFP69B | ENSG00000187801.14 | 3.837471958 | 0.268335167 | 1.062234701 |
| AC011815.1 | ENSG00000268573.1 | 1.119517071 | 2.709980515 | 0.374977711 |
| AC096919.1 | ENSG00000226360.5 | 1.755319917 | 1.142310966 | 0.92074434 |
| SAMD5 | ENSG00000203727.3 | 1.626974197 | 2.843861179 | -0.232485013 |
| AC012313.4 | ENSG00000268543.1 | 2.592785046 | 1.381836366 | 0.864827799 |
| AL360181.2 | ENSG00000235245.1 | 1.823475026 | 1.05525064 | 0.641267643 |
| MRPL45P2 | ENSG00000228782.7 | 3.404415877 | 3.324716036 | 3.680074708 |
| PCDHGB2 | ENSG00000253910.2 | 1.689191173 | 1.353934718 | 0.546843312 |

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| AC078846.1 | ENSG00000273329.1 | 1.260623184 | 1.291893102 | 0.016485929 |
| SSBP2 | ENSG00000145687.16 | 2.749754121 | 0.118655421 | 1.410311419 |
| WWC1 | ENSG00000113645.14 | 1.682618212 | 2.907685352 | 2.281323382 |
| GPR37 | ENSG00000170775.2 | 2.995244784 | 3.79221717 | 2.882895011 |
| GUSBP11 | ENSG00000228315.11 | 0.704589201 | 2.569702264 | 1.693049519 |
| AC090181.3 | ENSG00000278991.1 | 0.224409348 | 0.2751929 | 1.009232735 |
| MMP1 | ENSG00000196611.4 | -0.094273178 | 0.801289509 | 2.974974014 |
| AC093525.8 | ENSG00000279520.1 | 0.187360428 | 1.313462499 | 1.584153601 |
| FNDC10 | ENSG00000228594.3 | 3.488640114 | 4.80319117 | -0.181336493 |
| SRGAP3 | ENSG00000196220.15 | 1.674449181 | 1.813981841 | 0.839181797 |
| SLC43A2 | ENSG00000167703.14 | 1.944899893 | 0.099714455 | -0.127011725 |
| PMEL | ENSG00000185664.14 | 0.631144185 | 12.92081373 | 10.03109443 |
| SLC26A10 | ENSG00000135502.17 | 1.099590772 | 2.048709552 | 3.327259558 |
| AC004706.4 | ENSG00000282936.1 | 0.949071177 | 0.037120037 | -0.33313895 |
| FAM86JP | ENSG00000171084.15 | 2.695478424 | 3.012797716 | -0.102034964 |
| SOX6 | ENSG00000110693.17 | 0.041581568 | 4.12092896 | 2.781778589 |
| AC073896.1 | ENSG00000144785.8 | 1.579951482 | -0.154351654 | 2.061720904 |
| FOLH1 | ENSG00000086205.16 | 1.487831142 | 3.071150848 | 2.516265513 |
| Z95115.1 | ENSG00000261188.1 | 3.328249974 | 2.170946442 | 2.46352588 |
| LOH12CR2 | ENSG00000205791.3 | 0.082272169 | 0.183159383 | 2.540549916 |
| AC011503.2 | ENSG00000269397.1 | 1.031701557 | 0.297493942 | -0.255770012 |
| DLX6 | ENSG00000006377.10 | 0.808677833 | 2.049740007 | 1.554400553 |
| SP2-AS1 | ENSG00000234494.7 | 1.220093963 | 1.24645064 | 1.496431012 |
| ERO1B | ENSG00000086619.13 | 4.885046186 | 2.256013598 | 3.323089256 |
| MIR4690 | ENSG00000266041.1 | 2.22762632 | 1.734333526 | 0.782134251 |
| AC244669.1 | ENSG00000223804.5 | 3.146940834 | 2.845958206 | 1.648651103 |
| AC025449.1 | ENSG00000270558.1 | 2.081224521 | 0.462993159 | 0.196212436 |
| AC008870.2 | ENSG00000260751.2 | 0.677870013 | 1.074571412 | 1.417477386 |
| MIR616 | ENSG00000208028.1 | 1.264930492 | 2.237477921 | 5.000176212 |
| AL137782.1 | ENSG00000261553.5 | 1.350793149 | 0.467025862 | 1.221242083 |
| HCG4 | ENSG00000176998.4 | 0.097594261 | 0.851733341 | -0.343982251 |
| LSAMP | ENSG00000185565.11 | 2.316278682 | 3.266651398 | 2.207651923 |
| HIST4H4 | ENSG00000197837.3 | 0.99097394 | 2.30531032 | 1.363638908 |
| SCML2 | ENSG00000102098.17 | 3.243033645 | 1.194033629 | 0.067287182 |
| AC012181.2 | ENSG00000261114.1 | 1.769092592 | 2.791171004 | 1.440490179 |
| PMEP1 | ENSG00000124225.15 | 6.74127394 | 5.227181369 | -0.149807241 |
| AC008736.1 | ENSG00000267475.1 | 2.031966807 | 1.497444457 | 1.732995511 |
| AC018690.1 | ENSG00000273306.1 | 1.353670725 | 0.368917663 | 0.881604856 |
| AC022400.5 | ENSG00000272140.2 | 1.179948169 | 0.358985488 | 1.072095321 |
| IFITM3 | ENSG00000142089.15 | 8.780543928 | 3.887261302 | 6.488951113 |
| AP000347.1 | ENSG00000272578.5 | 0.33210591 | 1.15936182 | 2.390388456 |
| H3F3AP6 | ENSG00000178458.5 | 2.449682485 | 0.230388397 | 0.090145894 |
| AP001453.1 | ENSG00000256116.1 | 0.298546419 | -0.018005508 | 1.2907174 |
| CU633906.2 | ENSG00000278903.3 | 1.049951673 | -0.147676707 | 0.509342889 |
| ARIH2OS | ENSG00000221883.2 | 0.966392975 | 0.336207143 | 0.032238961 |
| AL137002.2 | ENSG00000283828.1 | -0.220039514 | 0.996199448 | 2.046105467 |

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| MIR210HG | ENSG00000247095.2 | 0.249581903 | 0.613698946 | 0.144552601 |
| H1FX-AS1 | ENSG00000206417.8 | 3.367547277 | 0.175981426 | 1.696745767 |
| ARMCX4 | ENSG00000196440.11 | 1.041781282 | 3.462211825 | 2.778418764 |
| FAM86HP | ENSG00000253540.5 | 2.223910068 | 2.236621402 | -0.098172369 |
| AC145423.2 | ENSG00000274427.1 | 0.597347573 | 1.039609405 | 3.568880444 |
| CLEC2D | ENSG00000069493.14 | -0.267296505 | 2.736653094 | 2.717686735 |
| SPTY2D1-AS1 | ENSG00000247595.4 | 1.48829807 | 1.895822659 | 1.213071807 |
| LRRC37A3 | ENSG00000176809.10 | -0.364487377 | 1.717345757 | 1.220506122 |
| RFX3 | ENSG00000080298.15 | 2.666406148 | 2.048915962 | 2.452561518 |
| MACROD2 | ENSG00000172264.16 | 0.696284559 | 0.737245209 | 0.392994076 |
| TYW1B | ENSG00000277149.4 | 2.35486116 | 3.380217901 | 0.707436286 |
| THAP7-AS1 | ENSG00000230513.1 | 2.610269517 | 2.979996404 | 0.224898834 |
| SNORA14B | ENSG00000207181.1 | 2.765740542 | 0.7551516 | 0.90056584 |
| JMJD7-PLA2G | ENSG00000168970.22 | 1.377469624 | 1.976246011 | 2.132182327 |
| TFEB | ENSG00000112561.17 | 1.032100104 | 1.893140022 | 2.146664608 |
| FCGR2A | ENSG00000143226.13 | 5.498133213 | 4.483740408 | 4.220538573 |
| MDH1B | ENSG00000138400.12 | 0.783014271 | 1.815646656 | -0.040000542 |
| ZNF396 | ENSG00000186496.10 | 0.344914754 | 2.116951973 | 1.460533646 |
| CNKS3 | ENSG00000153721.18 | 2.555391363 | 1.002243504 | 2.625936768 |
| EEF1A1P13 | ENSG00000250182.3 | 1.285072288 | 0.262206591 | 0.450884213 |
| WWTR1-AS1 | ENSG00000241313.2 | 0.571665162 | 1.327065239 | 0.535624807 |
| AL596202.1 | ENSG00000235381.1 | 3.188078493 | -0.142873202 | -0.180013737 |
| CATSPER2 | ENSG00000166762.16 | 0.22332002 | 1.989551664 | 2.03224877 |
| ULK2 | ENSG00000083290.19 | 0.925350236 | 1.238032243 | 4.312049462 |
| P2RX4 | ENSG00000135124.14 | 0.383046514 | 4.957452771 | 4.294031021 |
| LINC01311 | ENSG00000260924.2 | 0.662452173 | 0.866334129 | 0.331325176 |
| HIST1H4H | ENSG00000158406.4 | 1.029084615 | 3.451202178 | 0.140040351 |
| AC115618.1 | ENSG00000204620.3 | 1.427104564 | 0.193363816 | 0.411270165 |
| NOTCH1 | ENSG00000148400.9 | 3.776146057 | 3.740986446 | 2.849018612 |
| ZNF137P | ENSG00000123870.10 | 0.569361045 | 1.452519089 | 1.816277719 |
| GREB1 | ENSG00000196208.13 | 0.148888656 | 6.547414638 | 6.366254946 |
| BHLHB9 | ENSG00000198908.11 | 0.365511767 | 0.391246171 | 0.030877798 |
| AC139795.2 | ENSG00000247679.2 | 0.566341069 | 0.875571966 | -0.138143179 |
| LMNTD2 | ENSG00000185522.8 | 0.167464422 | 2.364765414 | 3.064424288 |
| AC120114.1 | ENSG00000247735.2 | 1.788529167 | 0.637550424 | -0.177834122 |
| CCDC7 | ENSG00000216937.13 | 0.743353015 | 0.281429797 | 2.044538111 |
| TTPA | ENSG00000137561.4 | 1.374112043 | 1.349984857 | -0.344916629 |
| GAPDHP1 | ENSG00000228232.1 | 1.339025111 | 0.430456162 | 0.455226513 |
| GJB1 | ENSG00000169562.9 | 4.844220006 | 6.172854491 | 8.613329418 |
| RASEF | ENSG00000165105.9 | -0.328014692 | 5.10495135 | 5.603206746 |
| NPIP14P | ENSG00000226232.8 | 2.055105874 | 1.610562448 | 3.548606817 |
| AC139795.1 | ENSG00000246596.6 | 2.353259384 | 1.745815211 | 2.470235564 |
| SYN3 | ENSG00000185666.14 | 0.793892286 | 2.209045614 | -0.056667275 |
| ZSCAN12 | ENSG00000158691.14 | 1.469812524 | 2.399420416 | 2.777049803 |
| AC138409.2 | ENSG00000215158.9 | 1.302083712 | 1.251181232 | 1.630425933 |
| YJEFN3 | ENSG00000250067.11 | 4.295869257 | 2.754331198 | 1.454682727 |

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| RCN3 | ENSG00000142552.7 | 2.988973599 | 6.828297332 | 0.01570964 |
| PRSS53 | ENSG00000151006.7 | 2.293689276 | 1.70047846 | 0.92586264 |
| SNORD30 | ENSG00000277846.1 | 3.504796889 | 2.254342296 | 1.040868906 |
| VDAC1P1 | ENSG00000073905.8 | 0.142249232 | -0.146436703 | 0.009176874 |
| MESP1 | ENSG00000166823.5 | 2.067666543 | -0.013123228 | 2.05511706 |
| AC034236.2 | ENSG00000271918.1 | 0.907487774 | -0.224671607 | 1.099531789 |
| PCSK6 | ENSG00000140479.16 | 1.537637386 | 5.197740085 | 8.501027744 |
| RPS7P11 | ENSG00000213326.4 | 1.277871836 | 0.894527293 | -0.106669427 |
| ADAM22 | ENSG00000008277.14 | 3.022349589 | 0.085373206 | 2.106838741 |
| SNORD38A | ENSG00000202031.1 | 3.157740496 | 2.887343339 | 0.853729439 |
| UBBP4 | ENSG00000263563.5 | 2.991492743 | 0.874392845 | 2.401628672 |
| PRR13P5 | ENSG00000187534.6 | 1.037621615 | 1.084781064 | 0.63719944 |
| AC007405.3 | ENSG00000239467.5 | 0.03909436 | 2.764895528 | 4.76037756 |
| LIFR | ENSG00000113594.9 | 4.215543821 | 2.072621328 | -0.263858411 |
| MAP3K5 | ENSG00000197442.9 | 1.741304536 | 2.764682543 | 3.66131969 |
| SPEG | ENSG00000072195.14 | 2.58719357 | 3.307032296 | -0.245260779 |
| ZNF737 | ENSG00000237440.8 | 3.072284013 | 2.907241904 | 1.420335699 |
| DNAJB5 | ENSG00000137094.14 | 1.909728217 | 1.835686425 | 0.116324686 |
| FAM218A | ENSG00000250486.3 | 0.669337202 | -0.401951455 | 0.117660767 |
| AC018755.3 | ENSG00000269388.1 | -0.081878309 | 1.391058522 | 1.466332194 |
| CCDC157 | ENSG00000187860.10 | 1.481549841 | 0.22641936 | 1.64310037 |
| AP003119.3 | ENSG00000261578.1 | -0.149226484 | -0.076919973 | 3.135456388 |
| AF274858.3 | ENSG00000260081.1 | 0.433766228 | 1.628138194 | 0.614340484 |
| FRAT1 | ENSG00000165879.8 | 3.21454079 | 0.766989616 | 1.345987769 |
| SNORA26 | ENSG00000212588.1 | 3.543140054 | 0.426567054 | 2.393299158 |
| TMC7 | ENSG00000170537.12 | 2.279854064 | 0.958016115 | 0.014022248 |
| ICA1 | ENSG00000003147.17 | 3.419028695 | 2.901523927 | 5.057292807 |
| HMG2N2P5 | ENSG00000234664.1 | 3.32208252 | 1.622482457 | -0.103987195 |
| RAC1P2 | ENSG00000249936.3 | 0.854624756 | 0.520324071 | 0.142083206 |
| LINC00702 | ENSG00000233117.2 | -0.011265743 | 1.953588965 | 0.51109824 |
| AC012640.2 | ENSG00000259802.1 | 1.971923471 | 1.3948273 | 0.014975227 |
| MSANTD3-TM | ENSG00000251349.3 | 1.79235648 | 1.681239098 | 0.323766665 |
| AK3P3 | ENSG00000230042.1 | 0.113312854 | 1.710620214 | 1.652189033 |
| KCTD21-AS1 | ENSG00000246174.7 | 2.907106138 | 0.648647596 | 2.546033973 |
| AC138866.1 | ENSG00000253816.3 | 1.965525861 | 1.041029757 | 1.666586575 |
| AC090739.1 | ENSG00000254165.1 | 0.018622407 | 0.679889052 | 1.355457724 |
| RTN4R | ENSG00000040608.13 | 1.2135887 | 4.256141789 | 3.567116156 |
| AC090825.1 | ENSG00000259363.5 | 1.594708588 | 1.579195479 | 2.951106533 |
| ERMAP | ENSG00000164010.13 | 1.41876581 | 1.211688561 | -0.069110989 |
| PCDHGA4 | ENSG00000262576.2 | 2.208628029 | 1.140142496 | -0.212326228 |
| U2AF1 | ENSG00000160201.11 | 0.68475582 | 1.670822607 | 0.806297495 |
| CCT6P3 | ENSG00000234585.6 | 0.553425863 | 1.780761479 | 0.04613004 |
| AFF3 | ENSG00000144218.18 | 0.188548384 | 3.630446993 | 4.477311348 |
| AL121658.1 | ENSG00000272716.1 | 1.919207619 | 0.699073238 | -0.323717219 |
| KIAA1217 | ENSG00000120549.17 | 5.23086038 | -0.279645335 | 3.540110643 |
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| FRMD6-AS1 | ENSG00000273888.1 | 1.551251883 | 1.07095481 | 0.012647408 |
| AL136295.7 | ENSG00000278784.1 | 1.18423501 | 0.395928776 | 0.335093015 |
| SAMD15 | ENSG00000100583.4 | 2.414105098 | 0.232205042 | 0.237742581 |
| ZNF44 | ENSG00000197857.13 | 3.750739821 | 1.3569625 | 3.127491093 |
| FZD2 | ENSG00000180340.6 | 3.967964067 | 3.102672605 | -0.034342275 |
| AL034549.1 | ENSG00000275784.1 | 0.378232615 | 0.60538648 | -0.108105871 |
| ANG | ENSG00000214274.9 | -0.230382309 | 1.557048708 | 1.749385726 |
| KLF4 | ENSG00000136826.14 | 5.12782294 | 1.439984144 | 0.915748323 |
| ID4 | ENSG00000172201.11 | 3.196299575 | 2.285785242 | 6.287604735 |
| USP27X-AS1 | ENSG00000234390.4 | -0.288685625 | 0.283609214 | 0.888801659 |
| MIR762HG | ENSG00000260083.1 | 1.481155633 | 0.109742492 | 0.052962086 |
| REC8 | ENSG00000100918.12 | 0.193127772 | 0.0228018 | 1.8515684 |
| KDM4A-AS1 | ENSG00000236200.5 | 1.971140507 | 1.14092588 | 0.052516275 |
| C5 | ENSG00000106804.7 | -0.144506966 | -0.13154895 | 0.091764276 |
| RUNX2 | ENSG00000124813.20 | 1.944201846 | 1.26385189 | 3.483531932 |
| MIR17HG | ENSG00000215417.12 | 2.43108605 | 1.694324743 | 0.484764147 |
| FGFBP2 | ENSG00000137441.7 | 2.746633055 | 2.224495611 | 8.438837861 |
| AC107027.3 | ENSG00000261167.1 | 0.197380203 | 0.532845799 | 1.053057776 |
| EIF2S2P4 | ENSG00000128692.8 | -0.027170492 | 0.123749615 | 1.015577561 |
| AC133065.5 | ENSG00000275673.1 | 0.321021991 | 0.598106679 | 2.315851474 |
| AC026250.1 | ENSG00000245522.2 | 1.430724084 | 0.865910011 | 0.748642219 |
| AC003102.1 | ENSG00000260793.2 | 1.384673379 | 1.271425455 | 0.612401194 |
| CD274 | ENSG00000120217.13 | 1.871946535 | 1.020137359 | 4.166072764 |
| AC004908.2 | ENSG00000272812.1 | 0.676541974 | -0.090879661 | 1.012516898 |
| AC004477.1 | ENSG00000263412.1 | 0.513238407 | 0.598283209 | 1.087442757 |
| CASTOR1 | ENSG00000239282.7 | 1.011388539 | 2.34994531 | 2.193605671 |
| MIR1254-1 | ENSG00000221184.1 | 1.301833422 | 0.894552417 | 1.084275585 |
| NBPF10 | ENSG00000271425.7 | 0.83140126 | 0.824521643 | -0.451794297 |
| HOXD1 | ENSG00000128645.14 | -0.194507326 | 2.134415279 | 1.468465414 |
| C15orf52 | ENSG00000188549.12 | 4.647405904 | 4.814307783 | 0.113465658 |
| ZC3H6 | ENSG00000188177.13 | 0.169183138 | 2.312824402 | 3.095540178 |
| TSSK3 | ENSG00000162526.6 | 1.126983388 | 0.397072602 | 0.162071137 |
| C10orf35 | ENSG00000171224.8 | 1.68359148 | 3.430213703 | -0.353131998 |
| LHPP | ENSG00000107902.13 | 2.306491908 | 2.315606294 | 2.409553902 |
| SYNC | ENSG00000162520.14 | 1.365888963 | 3.919474035 | 1.658245356 |
| AC004816.1 | ENSG00000259153.1 | 2.355318507 | 1.154056044 | 0.345461597 |
| CLDN1 | ENSG00000163347.5 | 0.174361826 | 0.48937745 | -0.548955762 |
| S100A1 | ENSG00000160678.11 | 8.486485392 | 7.184752905 | 5.590743525 |
| EML2-AS1 | ENSG00000267757.4 | 3.762975696 | 1.528141141 | -0.069558217 |
| AC097468.3 | ENSG00000272644.1 | 1.745104719 | 1.424024476 | 0.115070477 |
| FRMD3 | ENSG00000172159.15 | 4.833544019 | 4.264956546 | 3.081183172 |
| PVRIG2P | ENSG00000235333.3 | 2.365142495 | 3.519380234 | 3.542521466 |
| Z82243.1 | ENSG00000273243.1 | 1.295266442 | 1.894769896 | 1.635299558 |
| FTH1P23 | ENSG00000242960.1 | 1.348422558 | 1.03045639 | 0.077323895 |
| PCOTH | ENSG00000205861.11 | 1.007523902 | 2.259485371 | -0.12750655 |
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| FLRT3 | ENSG00000125848.9 | 5.20731382 | 1.264635776 | -0.162596153 |
| AL031727.1 | ENSG00000226396.1 | 0.274811148 | 1.764956257 | 2.440094983 |
| LINC01355 | ENSG00000261326.2 | 0.317101887 | 0.956148277 | -0.559706433 |
| RPL7AP6 | ENSG00000242071.3 | 1.908062304 | 1.884825613 | -0.31269517 |
| MAN1B1-AS1 | ENSG00000268996.3 | 1.101138659 | 1.368295613 | -0.449552857 |
| AL162595.1 | ENSG00000177788.5 | 2.313813891 | 0.623786637 | 1.282321083 |
| YTHDF3-AS1 | ENSG00000270673.1 | 0.362212496 | 0.26723995 | -0.000629012 |
| CPN1 | ENSG00000120054.11 | 4.319893789 | 4.229305988 | 4.812678256 |
| PPM1N | ENSG00000213889.10 | 1.555073824 | 2.074766362 | 1.248524506 |
| IFITM2 | ENSG00000185201.16 | 5.002955025 | 2.437232211 | -0.306387637 |
| ZSCAN31 | ENSG00000235109.7 | -0.097336615 | 0.136713113 | 0.635010453 |
| AC022007.1 | ENSG00000206567.9 | 0.653897471 | 1.873577626 | 1.910304961 |
| ZNF320 | ENSG00000182986.12 | 4.692219978 | 4.00485474 | 4.870757687 |
| AC060780.3 | ENSG00000267595.1 | 1.851040738 | 1.927002535 | 2.57689295 |
| FCER1G | ENSG00000158869.10 | 1.046594923 | 3.606972497 | 5.06051557 |
| AL928654.5 | ENSG00000279495.1 | -0.379658691 | 1.265639679 | 1.397296218 |
| AC010186.3 | ENSG00000257027.1 | -0.317197205 | 2.306955322 | 2.547720867 |
| AC098820.1 | ENSG00000232485.2 | -0.314598704 | 0.94177796 | -0.160982236 |
| RDM1 | ENSG00000278023.5 | 1.884801207 | 1.817057519 | 2.124121868 |
| Y_RNA | ENSG00000222881.1 | 1.238519816 | 0.78717112 | -0.208748975 |
| AC087499.1 | ENSG00000188013.6 | 1.435264989 | 1.769466542 | 3.028813679 |
| LINC01547 | ENSG00000183250.11 | 2.308991729 | 0.482587298 | 0.016713753 |
| CD302 | ENSG00000241399.6 | 3.543868274 | 3.628655216 | 4.867385108 |
| AC084125.2 | ENSG00000255182.2 | 1.576000937 | 2.10218503 | 0.147214922 |
| MT-TL2 | ENSG00000210191.1 | 1.587827843 | 2.449860056 | 0.445951231 |
| PCDH1 | ENSG00000156453.13 | 4.670325649 | 1.640312659 | -0.576836332 |
| SCNN1D | ENSG00000162572.20 | 0.074158486 | 1.715828733 | -0.151728695 |
| GBP2 | ENSG00000162645.12 | 5.885151846 | 0.379591929 | 5.395718687 |
| GRAMD1C | ENSG00000178075.19 | 1.906307709 | 2.247968864 | 2.035894054 |
| GHET1 | ENSG00000281189.1 | 0.536722865 | 0.685992329 | 0.527116889 |
| RHPN1 | ENSG00000158106.13 | 4.044505769 | 2.985545499 | 2.404489168 |
| AC124242.1 | ENSG00000245281.6 | 1.156592544 | 0.002961629 | 2.188442022 |
| LRRK2 | ENSG00000188906.14 | 4.181029252 | 3.096719302 | -0.564987342 |
| MTND4LP30 | ENSG00000198868.3 | 0.533584891 | 1.202201432 | 1.466351805 |
| CASC10 | ENSG00000204682.5 | 2.250900573 | 1.651394028 | 0.89346407 |
| AC079250.1 | ENSG00000230979.3 | 1.765120482 | 1.424122486 | 0.313644099 |
| STON2 | ENSG00000140022.9 | 1.193843215 | 2.408021468 | 1.770203859 |
| EVI2A | ENSG00000126860.11 | 1.745788052 | -0.191791194 | 3.964370848 |
| AP002748.3 | ENSG00000255517.6 | 2.485920393 | 2.19196121 | 2.21546247 |
| AC004241.3 | ENSG00000276390.1 | 2.278486119 | 0.718934934 | 0.022886753 |
| AL133215.2 | ENSG00000273162.1 | 1.879318737 | -0.162555439 | 0.18054707 |
| AC006058.3 | ENSG00000272121.1 | 0.832429111 | 0.693913698 | 1.038176753 |
| KLHL29 | ENSG00000119771.14 | 2.77994416 | 3.876938136 | -0.498550852 |
| ARF4-AS1 | ENSG00000272146.5 | 2.143377311 | 1.301462713 | 0.499529747 |
| NAGS | ENSG00000161653.10 | -0.375943321 | 1.140121633 | 2.195491414 |
| MPZ | ENSG00000158887.15 | 4.140380478 | 1.640206399 | -0.077570577 |

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| AC023043.4 | ENSG00000274849.1 | 4.404932421 | 3.774735291 | 2.677249994 |
| AC087500.1 | ENSG00000261879.5 | 0.821771609 | -0.09881933 | 0.033866105 |
| SLC29A3 | ENSG00000198246.7 | 2.371475023 | 2.46026383 | -0.20268624 |
| SNORD6 | ENSG00000202314.1 | 2.334971265 | 0.491077389 | 2.547735006 |
| DGCR11 | ENSG00000273311.1 | -0.655534519 | 1.822656648 | 0.687166835 |
| AC005546.1 | ENSG00000266897.1 | 0.581172079 | -0.10830161 | -0.059865102 |
| AP001330.5 | ENSG00000271882.1 | -0.113045387 | 1.534846503 | 0.835294795 |
| HEY2 | ENSG00000135547.8 | 2.077448108 | 2.353464022 | 3.090640257 |
| C9orf116 | ENSG00000160345.12 | 3.10804112 | 3.126941977 | 0.965644774 |
| AL158206.1 | ENSG00000260912.1 | 1.387213432 | 0.801757735 | 1.176068406 |
| MDK | ENSG00000110492.15 | 5.644512692 | 5.950362063 | 8.020566009 |
| NPPC | ENSG00000163273.3 | 1.635509205 | 1.963446518 | 3.632773642 |
| PCDHB14 | ENSG00000120327.6 | 0.942504935 | -0.478421169 | 1.28036533 |
| LINC00115 | ENSG00000225880.5 | 1.236799698 | 1.464353261 | 1.194278035 |
| AL161891.1 | ENSG00000276672.1 | 2.882735201 | 0.902188398 | -0.429829314 |
| RPS7P3 | ENSG00000231940.1 | 1.286536285 | 0.385669994 | -0.404076747 |
| AL512353.1 | ENSG00000228192.7 | 3.262128065 | 2.31551971 | -0.165112854 |
| ZNF321P | ENSG00000213801.4 | 0.721860417 | 0.816089473 | 1.001505822 |
| PKDCC | ENSG00000162878.12 | 2.871753573 | 1.999340638 | 0.950925552 |
| PPM1H | ENSG00000111110.11 | 2.15371936 | 4.840313783 | 5.201505125 |
| SLC1A1 | ENSG00000106688.11 | 5.1454223 | 2.572643908 | 2.22347566 |
| KPNA5 | ENSG00000196911.10 | 1.076800895 | 0.762482401 | 1.339971852 |
| snoR1 | ENSG00000281010.1 | 4.564421257 | 3.103853448 | 1.858661692 |
| RANP1 | ENSG00000236603.2 | 1.123305089 | 0.302005217 | 2.043016883 |
| PDE4A | ENSG00000065989.15 | 4.569668003 | 3.189748837 | 3.656804258 |
| IL17RD | ENSG00000144730.17 | 0.367503644 | 1.622809946 | 5.872060277 |
| FAM78A | ENSG00000126882.12 | 4.489946667 | 1.454550627 | -0.648856736 |
| AL133517.1 | ENSG00000232450.1 | 0.364848107 | 0.739967361 | -0.445354955 |
| LYPD1 | ENSG00000150551.10 | 5.59880969 | 5.040599927 | -0.26527045 |
| SNORD20 | ENSG00000207280.1 | 1.169965749 | 1.794939045 | -0.391675342 |
| GDPD3 | ENSG00000102886.14 | -0.116552823 | -0.53195466 | 1.817096419 |
| TSTD3 | ENSG00000228439.5 | 1.617895603 | 1.15994101 | 0.307334468 |
| DLL3 | ENSG00000090932.10 | 2.039466559 | 7.063263555 | 3.114310458 |
| AL359504.2 | ENSG00000271576.1 | 0.002022606 | 0.562707201 | 0.180341639 |
| SHROOM1 | ENSG00000164403.14 | 3.360392229 | 2.649622532 | 3.658604113 |
| GKAP1 | ENSG00000165113.12 | 1.85565486 | 1.979942617 | 2.010274354 |
| AC090198.1 | ENSG00000253106.1 | 0.683728719 | -0.406857569 | 1.197586835 |
| AL357079.1 | ENSG00000237950.1 | 0.166528914 | -0.066866378 | 1.669704506 |
| AC008038.1 | ENSG00000283041.1 | 1.31214503 | 0.939350652 | 1.318314734 |
| AC006504.1 | ENSG00000261770.1 | 0.112314801 | 0.53571889 | 1.528156837 |
| DUSP8P5 | ENSG00000235316.1 | 0.776933063 | -0.146718638 | 0.602829959 |
| LYPD6 | ENSG00000187123.14 | -0.454950248 | 2.956539233 | 2.508340282 |
| LINC01024 | ENSG00000245146.6 | 0.930269725 | -0.229789846 | 1.325570774 |
| AC022098.1 | ENSG00000267169.1 | 1.618931728 | 1.556072439 | 1.461524744 |
| TUBB4A | ENSG00000104833.11 | 2.99509022 | 6.465717399 | 5.717593095 |
| AL136981.2 | ENSG00000275318.1 | 1.879878178 | 2.245473587 | 0.081603164 |

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| RBKS | ENSG00000171174.13 | -0.188744266 | 2.580928508 | 0.204522348 |
| MMAA | ENSG00000151611.13 | 0.90899318 | 1.385367208 | 0.7364034 |
| BATF3 | ENSG00000123685.8 | 2.131171517 | 2.303170809 | 1.480214408 |
| AC008555.8 | ENSG00000280106.1 | -0.101029622 | 0.345500428 | 0.292247774 |
| ZNF22 | ENSG00000165512.4 | 4.727671778 | 1.165991092 | 4.46767216 |
| SMIM25 | ENSG00000224397.5 | -0.043288973 | 4.636781785 | 4.525047646 |
| SEMA4G | ENSG00000095539.15 | 2.083474617 | 3.172654838 | 2.99281155 |
| TBX6 | ENSG00000149922.10 | 1.452261056 | 1.148338144 | 0.78040898 |
| ZNF470 | ENSG00000197016.11 | 1.605886406 | 1.380159535 | 0.450134206 |
| NRROS | ENSG00000174004.5 | 2.213837402 | 2.728010003 | 6.072198589 |
| HMG2N2P6 | ENSG00000257179.1 | 2.021475889 | -0.191759143 | 1.190862655 |
| AC073548.1 | ENSG00000279861.1 | -0.225511998 | -0.074730516 | 0.561467683 |
| SEMA6C | ENSG00000143434.15 | 1.567787476 | 2.775595101 | 1.480617339 |
| AC002116.2 | ENSG00000267698.1 | 1.45696773 | 0.491623487 | -0.25028256 |
| SLC7A5P2 | ENSG00000258186.2 | 0.443351191 | 1.970977566 | 2.190556605 |
| SLC9A5 | ENSG00000135740.16 | 2.892953769 | 1.372479336 | 1.888330558 |
| GOLGA6L5P | ENSG00000230373.8 | -0.125324387 | 0.706666512 | 0.452897857 |
| YBX1P2 | ENSG00000231167.3 | 0.965226333 | -0.193180824 | 0.086070058 |
| TCEANC | ENSG00000176896.8 | 0.62011341 | -0.167719054 | 1.703888304 |
| AC005840.3 | ENSG00000256433.2 | 2.557000586 | 1.177542796 | 1.48685342 |
| AC010327.5 | ENSG00000276570.1 | -0.436678749 | 0.071486739 | 0.590416168 |
| AC093297.2 | ENSG00000251141.5 | 4.280106437 | 3.272536909 | 3.557198152 |
| TTC3P1 | ENSG00000215105.4 | 0.21681268 | 0.890107958 | -0.50196915 |
| AF001548.2 | ENSG00000263335.1 | 2.073586432 | -0.515534256 | 2.30328965 |
| CBX3P2 | ENSG00000266405.3 | 1.605904007 | -0.122817216 | 0.065953949 |
| HES4 | ENSG00000188290.10 | 0.249875855 | 4.192872401 | 2.544360983 |
| LINC00894 | ENSG00000235703.5 | 0.7783471 | 0.827391944 | 0.576372262 |
| AC079944.2 | ENSG00000241889.1 | 0.30820452 | 2.130034572 | 1.785220417 |
| PPM1E | ENSG00000175175.5 | 2.465175953 | 2.536122579 | 3.34170288 |
| AL117379.1 | ENSG00000273759.1 | 0.751585316 | 1.091422037 | 0.98615706 |
| DDR2 | ENSG00000162733.16 | 6.327672665 | 3.905401315 | 5.177056409 |
| KIAA0513 | ENSG00000135709.12 | 1.906980196 | 1.454059872 | 1.71648831 |
| SEC14L1P1 | ENSG00000213693.4 | 1.415938817 | 1.524582358 | 2.628698107 |
| DTX3 | ENSG00000178498.15 | 4.388213225 | 2.453874267 | 6.098862528 |
| ARPC4-TTLL3 | ENSG00000250151.9 | 0.636917402 | 1.881321709 | 1.371767241 |
| AL591845.1 | ENSG00000116883.8 | 1.0651242 | 1.376846916 | 0.518261388 |
| GATA2 | ENSG00000179348.11 | 3.984752383 | 2.631363315 | -0.582823172 |
| FGFR4 | ENSG00000160867.14 | 3.152619322 | 4.598513633 | -0.744622106 |
| GNRHR2 | ENSG00000211451.12 | 0.71231165 | 0.533635658 | 0.447433852 |
| AL117336.3 | ENSG00000271335.5 | 2.939997761 | 1.178323657 | 1.217457672 |
| PDE10A | ENSG00000112541.13 | 2.012430065 | 3.246350516 | 0.489171307 |
| TRAM1L1 | ENSG00000174599.5 | 2.273941923 | 2.097476451 | 1.264718873 |
| CD27-AS1 | ENSG00000215039.6 | 4.136523654 | -0.250179967 | 3.939528651 |
| HCG27 | ENSG00000206344.7 | 0.495170344 | -0.181195097 | -0.260700352 |
| SDAD1P1 | ENSG00000228451.3 | 0.940565964 | 0.609368255 | 1.129944736 |
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| PRRG4 | ENSG00000135378.3 | 1.552997413 | 2.865593244 | 2.919950262 |
| AC009486.1 | ENSG00000261117.1 | 0.308471505 | -0.314265349 | 1.173274601 |
| FNDC4 | ENSG00000115226.9 | 1.678119414 | 2.060091389 | 0.890684222 |
| AC099789.1 | ENSG00000225475.1 | 2.417446076 | 0.703648794 | 0.785614118 |
| AL590094.1 | ENSG00000233593.8 | -0.132649877 | 2.914292435 | 2.48675823 |
| AC007878.1 | ENSG00000281195.1 | -0.520328022 | 0.375995885 | -0.07811672 |
| MAGIX | ENSG00000269313.5 | 0.605603611 | 1.100198225 | 0.447136267 |
| ZNF620 | ENSG00000177842.11 | 0.853176439 | 2.899853951 | 2.684625749 |
| RNU6-1016P | ENSG00000252498.1 | 0.695242712 | 1.576939081 | 1.099302549 |
| MIR3125 | ENSG00000264370.1 | 0.227864312 | 0.408466116 | 2.351554012 |
| AC244197.3 | ENSG00000241489.7 | 0.233860528 | 0.954395606 | 0.71640221 |
| MAML3 | ENSG00000196782.12 | 4.416481689 | 1.484121066 | 1.907612241 |
| AL390719.1 | ENSG00000217801.9 | 2.414098986 | 4.251174996 | 5.284531527 |
| AC135050.5 | ENSG00000262766.1 | 0.048842631 | 0.727794547 | 0.440254804 |
| AC022364.1 | ENSG00000247934.4 | 0.708256105 | 0.401179272 | 0.41313837 |
| CCDC103 | ENSG00000167131.16 | 0.918909358 | 1.442481946 | 0.734714367 |
| ZNF528-AS1 | ENSG00000269834.5 | -0.334129088 | 2.413194603 | 3.454188264 |
| AC004540.1 | ENSG00000214870.8 | 1.348426629 | 1.75940935 | 1.695253187 |
| AL355472.1 | ENSG00000231663.1 | 1.535090267 | -0.268347784 | 1.117912078 |
| METTL12 | ENSG00000214756.7 | 4.097509224 | 0.350693721 | 1.305720888 |
| AC011603.2 | ENSG00000258017.1 | 1.871518616 | 1.129699993 | -0.055726788 |
| AC099336.2 | ENSG00000236439.4 | 1.803368303 | 1.120173207 | 0.72802817 |
| AC091133.1 | ENSG00000230532.1 | -0.455482032 | 0.276062318 | 0.07434827 |
| AC008536.1 | ENSG00000270067.1 | 1.02611401 | 0.005128551 | 2.11813322 |
| AC021092.1 | ENSG00000186019.10 | 1.693874978 | -0.429079296 | -0.143650547 |
| AC097103.2 | ENSG00000248932.5 | 1.30092565 | 0.066938164 | 1.399710657 |
| ADAMTS17 | ENSG00000140470.13 | 0.466131361 | 2.235383593 | 3.706830608 |
| AC118344.2 | ENSG00000279759.1 | 0.051841871 | 0.304846162 | 0.146213636 |
| BISPR | ENSG00000282851.1 | 1.169805304 | -0.295987288 | 1.245475933 |
| RPS6KL1 | ENSG00000198208.11 | 2.730848948 | 1.054401568 | 0.983929526 |
| AC009404.1 | ENSG00000236255.1 | 0.288385043 | 1.631470963 | 0.801610942 |
| ZNF487 | ENSG00000243660.9 | 0.429048785 | 0.261367399 | 1.439742343 |
| PTMAP5 | ENSG00000214182.5 | 1.647409705 | 1.093967374 | -0.135386835 |
| AOC2 | ENSG00000131480.8 | 1.138200511 | 3.192676448 | 0.064904435 |
| AC040970.1 | ENSG00000253210.1 | -0.265694386 | 1.582443129 | 2.940684591 |
| AL358472.3 | ENSG00000273026.1 | 0.172972051 | 1.092023475 | -0.458192998 |
| AL451085.2 | ENSG00000271380.1 | 1.499623336 | 1.285610679 | 0.328066811 |
| ADM | ENSG00000148926.9 | 3.323704046 | 4.934348119 | 6.226946623 |
| FREM2 | ENSG00000150893.10 | 2.88568811 | -0.603462613 | 2.985571692 |
| AC125437.1 | ENSG00000267655.1 | 0.348782141 | 1.333778544 | 2.975687703 |
| SNORD12B | ENSG00000222365.1 | 3.509902973 | 1.612844114 | 1.172634729 |
| GSTO2 | ENSG00000065621.14 | 0.858190626 | 1.493763699 | -0.519672739 |
| FRY | ENSG00000073910.20 | 0.128061828 | 1.982114877 | 2.966014698 |
| VWA5A | ENSG00000110002.15 | 5.207591466 | 2.432648917 | 5.105607463 |
| PDZD7 | ENSG00000186862.17 | 3.058313455 | 1.512958501 | 1.402916837 |
| LPIN3 | ENSG00000132793.11 | 1.344722732 | 4.65320158 | -0.722969804 |

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| LINC00910 | ENSG00000188825.13 | 0.416528266 | 1.577490466 | 2.269146979 |
| DOCK11 | ENSG00000147251.15 | 3.270591492 | 2.662143318 | 3.795227802 |
| AC104118.1 | ENSG00000271862.1 | 1.0903279 | -0.774682312 | -0.22304696 |
| CNFN | ENSG00000105427.9 | 1.326684716 | 1.834925467 | 0.189056039 |
| AC018809.1 | ENSG00000269894.1 | -0.32691351 | 0.612021624 | -0.344892554 |
| MIR6859-1 | ENSG00000278267.1 | 1.236674493 | 3.197083872 | 4.193807904 |
| ADAMTS6 | ENSG00000049192.14 | -0.706480478 | -0.005254605 | -0.350050054 |
| RN7SL3 | ENSG00000278771.1 | 4.028402618 | 2.964585645 | 3.498317909 |
| PRKCA | ENSG00000154229.11 | 4.165043597 | -0.2843047 | 3.692374787 |
| AC010435.1 | ENSG00000279557.1 | 0.18072287 | 0.508651019 | 0.939463561 |
| CHKB-CPT1B | ENSG00000254413.8 | 2.440577814 | 2.910242585 | 3.485166529 |
| AC023509.4 | ENSG00000270175.1 | 1.968852263 | 0.750669673 | -0.301117426 |
| PPIAP31 | ENSG00000217094.2 | 1.113041758 | 1.042561759 | -0.268229295 |
| MIR4653 | ENSG00000264425.1 | 1.524813784 | 2.70261617 | 0.715908468 |
| AC004520.1 | ENSG00000273237.1 | 1.955306904 | 1.379925182 | -0.033952587 |
| SPCS2P4 | ENSG00000228589.3 | 0.265321899 | 0.234491189 | -0.074792992 |
| DFNB59 | ENSG00000204311.12 | -0.467148952 | 1.716539038 | 0.883590603 |
| ZNF165 | ENSG00000197279.3 | 0.188929419 | 0.484369339 | -0.42732835 |
| AC023509.3 | ENSG00000267281.2 | 0.10726244 | 1.135502518 | -0.488234388 |
| EPHX2 | ENSG00000120915.13 | -0.607669107 | 2.162648644 | 1.792816319 |
| LINC00685 | ENSG00000226179.6 | 1.24493506 | 1.14257038 | 0.561826642 |
| AC012531.1 | ENSG00000260597.1 | 1.442301328 | 0.239750828 | -0.632499292 |
| AC126755.2 | ENSG00000233024.7 | 1.748908918 | 0.928410191 | 1.988506237 |
| CBLN3 | ENSG00000139899.10 | 0.009877833 | 0.093589415 | 0.681493914 |
| AL121832.3 | ENSG00000275437.1 | -0.168331516 | -0.164090668 | 0.508120409 |
| AC105036.3 | ENSG00000260269.5 | 1.818803406 | 1.213382202 | 1.186642941 |
| AC025594.2 | ENSG00000272899.3 | 0.576129204 | -0.580242053 | -0.3755424 |
| MTMR9LP | ENSG00000220785.7 | -0.408978756 | 3.09142447 | 0.260816435 |
| AK9 | ENSG00000155085.15 | -0.125252442 | 2.450358283 | 2.648647548 |
| AC004877.2 | ENSG00000280149.1 | -0.871932259 | 0.65918241 | 2.720757404 |
| CAVIN4 | ENSG00000170681.6 | 0.199753154 | 1.741049856 | -0.01212 |
| AP003084.1 | ENSG00000254783.1 | 1.625149951 | 0.143209729 | 1.126229483 |
| GAREM1 | ENSG00000141441.15 | 3.5453317 | 2.87054708 | 0.678167542 |
| SNORD19 | ENSG00000222345.1 | 1.847264856 | 1.438587875 | 1.853813907 |
| AC025171.2 | ENSG00000215068.7 | 1.597798938 | 0.994059245 | -0.025865785 |
| DCST1-AS1 | ENSG00000232093.1 | 2.262741942 | 0.405229954 | -0.809278749 |
| KIAA1614-AS1 | ENSG00000232586.1 | 1.949359214 | 1.874913046 | 0.703308517 |
| SNORD14E | ENSG00000200879.1 | 3.127982155 | 1.212636636 | 0.125841667 |
| CLDN23 | ENSG00000253958.1 | 1.357106006 | 0.784052034 | 1.381332874 |
| SLC7A7 | ENSG00000155465.18 | -0.261886921 | 1.502905289 | 1.609357167 |
| CXCL16 | ENSG00000161921.14 | 3.070637231 | 1.848549588 | 2.857030212 |
| RPL10P9 | ENSG00000233913.7 | 1.149198526 | -0.235565336 | 0.384890696 |
| ATP8B3 | ENSG00000130270.16 | 0.366410633 | 2.10510107 | 0.03537086 |
| TRPC1 | ENSG00000144935.14 | 2.278052696 | 3.081561226 | 2.543817389 |
| ST7-AS1 | ENSG00000227199.1 | -0.359835602 | -0.140359089 | 2.135593791 |
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| PLCD4 | ENSG00000115556.13 | 0.703052404 | 2.130237793 | -0.616332179 |
| AC078814.1 | ENSG00000139239.7 | 0.663843894 | 0.916937442 | -0.568161929 |
| SCX | ENSG00000260428.2 | 1.100814388 | 2.68518549 | 0.460525648 |
| EIF3CL | ENSG00000205609.12 | 0.968410232 | 0.281189083 | 0.428019229 |
| IL12A | ENSG00000168811.6 | 0.628652769 | 1.16889549 | -0.228678779 |
| SLC9A9 | ENSG00000181804.14 | 0.582661912 | -0.204306691 | 2.807043251 |
| RFTN2 | ENSG00000162944.10 | 0.621360418 | 1.457909096 | -0.232336035 |
| N4BP2L2-IT2 | ENSG00000281026.1 | 0.142464957 | -0.404236594 | 0.234251823 |
| LINC00623 | ENSG00000226067.6 | 5.291932753 | 3.51514799 | 3.491468963 |
| EIF5AP4 | ENSG00000234743.1 | 1.287470478 | -0.610859123 | -0.477124719 |
| KCNG3 | ENSG00000171126.7 | -0.726273075 | 3.17713166 | 1.008581727 |
| HSD17B8 | ENSG00000204228.3 | 2.397150396 | 3.240625529 | 3.204901949 |
| SHROOM4 | ENSG00000158352.15 | 3.368531868 | 2.314619951 | 1.726727325 |
| AC231981.1 | ENSG00000235078.1 | 0.308263968 | -0.399311462 | 0.383037048 |
| PRDM11 | ENSG00000019485.13 | 2.247021816 | 2.093412965 | -0.319924857 |
| RPS19P3 | ENSG00000240463.1 | -0.659834356 | 0.722312247 | 0.309900079 |
| AC005288.1 | ENSG00000266469.1 | 1.197913621 | 1.245741256 | 0.534105324 |
| AC004982.2 | ENSG00000272894.5 | -0.155062484 | 1.163122904 | 1.538386865 |
| GAS1 | ENSG00000180447.6 | 3.555764529 | 4.266501638 | -0.856878586 |
| PCDHGA1 | ENSG00000204956.5 | 2.805838724 | -0.556868432 | 2.318093089 |
| GPR137C | ENSG00000180998.11 | -0.063677193 | -0.564302378 | 0.881543469 |
| DCLK2 | ENSG00000170390.15 | 0.28493223 | -0.590648152 | 2.429198077 |
| AC011978.2 | ENSG00000261542.1 | 0.06550526 | 0.394886695 | -0.719835087 |
| NDUFB2-AS1 | ENSG00000240889.1 | 0.798153197 | 1.449408321 | -0.103930708 |
| IRAK2 | ENSG00000134070.4 | 1.751161058 | 0.80071433 | 0.861982064 |
| ENOX2 | ENSG00000165675.16 | 4.563810995 | 5.074591852 | 4.677247607 |
| AC118344.1 | ENSG00000205041.1 | 0.865375956 | 0.989400759 | 2.237005635 |
| HECTD2 | ENSG00000165338.16 | 2.631433515 | 2.632692445 | 3.314365725 |
| LRRC56 | ENSG00000161328.10 | 1.978645058 | 1.307686895 | 0.161454565 |
| CREB5 | ENSG00000146592.16 | 0.137006816 | 5.406678285 | 3.605149649 |
| RIBC1 | ENSG00000158423.16 | 1.435376144 | 0.095313717 | 0.625911505 |
| C7orf57 | ENSG00000164746.13 | -0.096490322 | -0.607242477 | 0.27796619 |
| LRP5L | ENSG00000100068.11 | -0.806860279 | 1.978458011 | 2.067613205 |
| LINC01144 | ENSG00000281912.1 | -0.211278823 | -0.063382072 | -0.289326354 |
| AC090587.2 | ENSG00000229368.1 | -0.563391107 | 0.666964291 | 1.859570104 |
| MIR6848 | ENSG00000284229.1 | -0.33069602 | 0.280015382 | -0.473380808 |
| PCDH18 | ENSG00000189184.11 | 2.673800831 | 0.152153008 | -0.591091004 |
| SLC25A25-AS | ENSG00000234771.3 | 1.088704575 | 1.009626433 | 0.716219453 |
| KDM8 | ENSG00000155666.11 | 2.089551473 | -0.432116113 | 0.114703389 |
| AL365203.3 | ENSG00000273038.2 | 1.016462123 | 0.955690569 | 0.308009023 |
| AC104447.1 | ENSG00000280173.1 | 1.383788507 | 0.77842384 | -0.948814554 |
| GDPD1 | ENSG00000153982.10 | 3.823909848 | 3.965914916 | 3.929203101 |
| CGN | ENSG00000143375.14 | 1.291566616 | 3.099437367 | 2.651579035 |
| TRIM46 | ENSG00000163462.17 | 2.671551571 | 3.162579491 | -0.113989442 |
| AC009961.1 | ENSG00000226266.6 | 0.500971943 | 0.133435337 | 1.308351826 |
| CD22 | ENSG00000012124.16 | 3.01904215 | 2.495303447 | 5.73678587 |

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| AC022916.1 | ENSG00000266947.1 | 0.69304535 | 0.403788538 | 0.451473041 |
| WASH5P | ENSG00000282458.1 | -0.026404542 | 1.112967273 | 2.515750548 |
| HOXA3 | ENSG00000105997.22 | 3.95037936 | 3.363609326 | 3.409742288 |
| VILL | ENSG00000136059.14 | 0.482613389 | -0.500091462 | 2.648328543 |
| SATB2-AS1 | ENSG00000225953.2 | 0.006304818 | 0.532977458 | 1.275338362 |
| AC099778.1 | ENSG00000260236.1 | 0.881265508 | 1.389764624 | -0.662459098 |
| TMC3-AS1 | ENSG00000259343.6 | -0.483271229 | 1.985928684 | 0.779314221 |
| L1CAM | ENSG00000198910.12 | 4.461571546 | 8.854151667 | -0.17163405 |
| AL355001.2 | ENSG00000275964.1 | 2.80097672 | 1.375435277 | 1.361917985 |
| MIR4737 | ENSG00000264049.1 | 3.286595379 | 1.608557616 | 2.96376763 |
| AC138866.2 | ENSG00000254701.3 | 1.771465455 | 0.811779065 | 0.776218428 |
| TIAF1 | ENSG00000221995.5 | 0.217142222 | 1.019466149 | 1.587926499 |
| AC011477.2 | ENSG00000267481.1 | 1.013321811 | 1.005651779 | 0.404848419 |
| VAV3 | ENSG00000134215.15 | 0.741967984 | -0.757821288 | 2.602474709 |
| C20orf204 | ENSG00000196421.8 | 1.484544779 | 0.749658334 | 0.048863647 |
| AC015912.3 | ENSG00000274213.1 | 2.185005934 | 1.94775839 | -0.341277955 |
| AC005519.2 | ENSG00000258559.2 | 0.015743546 | -0.038904176 | 1.40232429 |
| APOL1 | ENSG00000100342.20 | 1.02844692 | -0.696639965 | 1.343443894 |
| CPEB3 | ENSG00000107864.14 | -0.034544894 | 0.169497517 | 0.755763923 |
| BMS1P1 | ENSG00000204177.10 | 0.429235936 | -0.167987446 | 0.075769043 |
| RBM26-AS1 | ENSG00000227354.6 | 1.144548718 | -0.040204231 | 0.371525517 |
| INTS6-AS1 | ENSG00000236778.7 | 1.04016788 | -0.115123428 | 0.763261125 |
| GOLGA6L9 | ENSG00000197978.9 | 0.58186095 | 0.513232702 | 2.228125626 |
| AL606834.3 | ENSG00000270062.1 | -0.232567553 | 1.670261678 | 2.183535671 |
| AL136018.1 | ENSG00000258657.5 | 3.725070475 | 3.33981195 | 1.769046576 |
| C1QL1 | ENSG00000131094.3 | 2.765186093 | -0.182445681 | -0.629007527 |
| DTX2P1-UPK3 | ENSG00000265479.6 | 1.163178286 | 1.443596082 | 0.329639172 |
| PCF11-AS1 | ENSG00000269939.1 | 1.562020459 | 0.713461092 | 0.32030551 |
| PPT2-EGFL8 | ENSG00000258388.7 | 1.850583213 | 2.272109055 | 2.401263939 |
| PPP1R13L | ENSG00000104881.15 | 1.910459806 | 0.665413061 | 1.488513656 |
| ABHD14A-AC | ENSG00000114786.16 | 2.347583782 | 1.71056007 | -0.396142398 |
| FGD6 | ENSG00000180263.13 | 2.032639115 | 0.747121068 | -0.436317787 |
| CASZ1 | ENSG00000130940.14 | 1.079133063 | 0.527095243 | 2.197440655 |
| PLS3-AS1 | ENSG00000271826.5 | -0.466617325 | 1.174882739 | -0.503612023 |
| HIST1H2BN | ENSG00000233822.4 | 0.759807678 | 1.170087974 | -0.371024379 |
| BCYRN1 | ENSG00000236824.2 | 1.638705678 | 3.600194038 | -0.175548001 |
| AC096677.1 | ENSG00000224536.2 | -0.088890933 | -0.657655434 | 1.766997543 |
| AC036214.2 | ENSG00000272518.1 | -0.131572215 | 1.905446111 | 2.221483379 |
| MRPS31P5 | ENSG00000243406.6 | 2.520401083 | 2.265739113 | 3.337209167 |
| GRHL1 | ENSG00000134317.17 | 1.015917085 | 1.356859899 | 2.05711253 |
| AL139099.1 | ENSG00000244270.1 | 0.230242333 | -0.331900445 | 0.05642905 |
| LPAR2 | ENSG00000064547.13 | 2.646634888 | 3.78058223 | 2.776409956 |
| HIST1H2AG | ENSG00000196787.3 | -0.624431734 | 1.349500886 | -0.62467209 |
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| SNORD124 | ENSG00000238793.1 | 0.281667066 | 0.898039309 | 2.215511734 |
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| LINC02246 | ENSG00000281903.2 | -0.008506619 | -0.098982432 | -0.56077945 |
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| AC006213.4 | ENSG00000277806.1 | 0.842391409 | 0.507773835 | -0.683320084 |
| C2orf27A | ENSG00000197927.12 | 1.447430242 | 1.825115902 | -0.761619188 |
| ACER2 | ENSG00000177076.5 | 1.365791343 | 0.570152833 | 0.928949193 |
| LINC01117 | ENSG00000224577.1 | -0.268464697 | 1.245896964 | 1.316773835 |
| P2RY1 | ENSG00000169860.6 | 2.080298902 | 1.791814221 | -0.071426465 |
| MYH14 | ENSG00000105357.15 | 4.472042336 | 4.898629741 | -0.133328898 |
| AC135721.2 | ENSG00000267681.1 | 1.231794745 | 1.623191795 | 3.825229583 |
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| RPL4P4 | ENSG00000229638.1 | 0.416910249 | 0.103608665 | 0.275430787 |
| KIF5C | ENSG00000168280.16 | 2.857582726 | 5.844643905 | 2.705834872 |
| AC040977.1 | ENSG00000262089.1 | 0.267940105 | 1.647653523 | 1.149447519 |
| AL590666.2 | ENSG00000229953.1 | 5.897972684 | 1.275010722 | -0.580403604 |
| MIF-AS1 | ENSG00000218537.1 | 1.210403289 | 0.023609444 | 0.292718221 |
| AL031985.3 | ENSG00000260920.2 | 3.31190197 | -0.159958534 | -0.067074803 |
| CSPG5 | ENSG00000114646.9 | 0.558875269 | 0.020398202 | 0.757829892 |
| PPFIBP2 | ENSG00000166387.11 | -0.972094837 | 4.349354152 | 4.26189132 |
| AC023813.3 | ENSG00000260052.1 | 0.137227639 | -0.528121744 | 1.555299432 |
| AC084125.4 | ENSG00000265393.1 | 0.587859238 | -0.894791401 | 0.215058302 |
| OCLM | ENSG00000262180.1 | 0.593589345 | -0.063167351 | 0.190612451 |
| PCDHB5 | ENSG00000113209.8 | 4.025359228 | -0.055163432 | 2.05087131 |
| MTCO2P2 | ENSG00000267541.1 | -0.291569817 | 0.232576627 | 0.723207272 |
| AL022394.1 | ENSG00000272407.1 | 1.345410213 | 0.324409934 | 2.360709546 |
| LRRC37A2 | ENSG00000238083.7 | 0.105844526 | 0.083025101 | 1.800073578 |
| AC090616.6 | ENSG00000266777.1 | -0.102568808 | 1.285538075 | 1.440780694 |
| ZNF404 | ENSG00000176222.8 | 0.258436657 | 0.13717052 | 2.474029174 |
| POU3F2 | ENSG00000184486.9 | 4.870497532 | 2.347362306 | -0.523310473 |
| AC020917.4 | ENSG00000280332.1 | -0.09896084 | 1.692062498 | 0.028961733 |
| GPR63 | ENSG00000112218.8 | -0.147108342 | 0.961073847 | 1.333625018 |
| AGBL2 | ENSG00000165923.15 | 0.178302862 | 0.916922387 | 1.547013898 |
| CSPG4 | ENSG00000173546.7 | 7.984866699 | 6.858087162 | 6.605470107 |
| ADCY10P1 | ENSG00000161912.17 | -0.19860043 | 1.086023879 | 0.633215087 |
| AC007000.1 | ENSG00000213542.3 | 0.929065868 | 0.207301702 | 1.822763251 |
| EYA1 | ENSG00000104313.17 | 5.862672299 | 1.082147476 | -0.979487291 |
| AKNA | ENSG00000106948.16 | 2.522768327 | 2.516033266 | 3.829620303 |
| MIR6783 | ENSG00000278223.1 | -0.227426998 | 0.531878092 | -0.55863122 |
| AC073415.1 | ENSG00000227470.1 | 1.316928031 | 0.889291412 | -0.406615444 |
| PHYHIP | ENSG00000168490.13 | 2.128787261 | 0.769691384 | -0.609995745 |
| LAMA1 | ENSG00000101680.14 | -0.923038475 | 7.428976737 | 4.691454798 |
| FCRLA | ENSG00000132185.16 | 5.174628307 | 5.692404333 | -0.764798434 |
| THBS1 | ENSG00000137801.10 | 7.667230227 | 3.1985246 | 1.275883361 |
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| AC009812.4 | ENSG00000260317.1 | 0.155489789 | -0.856357478 | -0.874041316 |
| MYADM | ENSG00000179820.15 | 6.504125467 | 4.8697648 | -0.853568569 |
| EEF1B2P3 | ENSG00000232472.1 | 0.224442138 | 0.708490567 | -0.726170158 |
| TNKS2-AS1 | ENSG00000228701.1 | 0.780044159 | 0.066444027 | -0.174152575 |
| N4BP2L1 | ENSG00000139597.17 | 1.972694019 | 0.080257464 | 3.120388166 |
| AC092115.3 | ENSG00000262136.1 | 0.745502986 | 1.059665785 | 0.416427677 |
| DNM3 | ENSG00000197959.13 | 3.766932357 | 0.004227508 | 1.048433945 |
| RASSF1-AS1 | ENSG00000281358.1 | -0.157610369 | 0.0807588 | -1.052365167 |
| SAMD13 | ENSG00000203943.8 | 0.909595041 | 0.076459378 | 1.716830619 |
| PLCB4 | ENSG00000101333.16 | 2.432368711 | 4.372901323 | 5.648556598 |
| B3GNT5 | ENSG00000176597.11 | 4.175341477 | 2.971941171 | 2.113634863 |
| HMGNI1P4 | ENSG00000224040.1 | 0.57371601 | -0.160683839 | -0.391268734 |
| AL031963.3 | ENSG00000272277.1 | 0.957807244 | 0.164154548 | 0.008475733 |
| RAB7B | ENSG00000276600.4 | 4.891734333 | 0.100423242 | -0.77850442 |
| CTSV | ENSG00000136943.10 | -0.375541113 | 5.053411776 | 2.89749151 |
| ZNF285 | ENSG00000267508.5 | 0.176816453 | 0.4575148 | -0.323086801 |
| HOXD3 | ENSG00000128652.11 | 0.325790492 | 0.862353923 | 2.403527365 |
| PKD1P1 | ENSG00000244257.5 | -0.284783923 | -0.313779607 | -0.60253876 |
| ZNF117 | ENSG00000152926.14 | 1.150716993 | 0.092359904 | 0.826078134 |
| FAM27C | ENSG00000154537.4 | 1.463752203 | 0.121662832 | 1.038284833 |
| C12orf45 | ENSG00000151131.10 | 2.951934528 | 1.725944023 | -0.264861932 |
| AC098934.1 | ENSG00000214796.8 | 2.923749888 | 1.164274277 | -0.554534411 |
| FZD6 | ENSG00000164930.11 | 5.59982844 | 5.846634311 | 6.115905073 |
| AC104958.2 | ENSG00000272502.1 | 4.643289426 | 0.428976749 | 4.04310143 |
| AP001033.2 | ENSG00000273284.1 | 0.023109149 | 2.184693395 | 1.836120267 |
| AC098934.2 | ENSG00000234996.4 | 1.024422256 | 0.496468656 | -0.811973562 |
| DOCK9-AS2 | ENSG00000260992.1 | -0.433508784 | -0.812244873 | 0.673289376 |
| TMTC2 | ENSG00000179104.8 | 5.548612497 | 5.130313424 | 5.040406458 |
| DPY19L1P1 | ENSG00000229358.3 | -0.329130993 | 0.128127808 | -0.507197045 |
| ARHGEF17 | ENSG00000110237.3 | 2.631933263 | 4.514089325 | -0.766661931 |
| CLMN | ENSG00000165959.11 | 4.144433077 | 2.480681012 | -0.467435927 |
| RRN3P2 | ENSG00000103472.10 | 0.642836205 | 0.08225421 | 0.526968306 |
| CTSS | ENSG00000163131.10 | 1.164753203 | 1.374427127 | -0.772437257 |
| RPL12P16 | ENSG00000204196.5 | 1.023591529 | 1.63088872 | -0.072811922 |
| AC106795.1 | ENSG00000170089.15 | 4.108326611 | -0.484320225 | 1.532504025 |
| AP001462.1 | ENSG00000269038.1 | 1.005750321 | 0.254496264 | 1.17028734 |
| PLCXD2 | ENSG00000240891.7 | -0.822739013 | 0.506839359 | 2.852851014 |
| PCDHB2 | ENSG00000112852.6 | 2.775899814 | 1.071685603 | 2.369945688 |
| PALM2 | ENSG00000243444.7 | 1.601618808 | 3.037170522 | 1.235370555 |
| SNAI1 | ENSG00000124216.3 | 5.421401642 | 1.805096612 | 4.06305145 |
| AC136469.2 | ENSG00000279827.1 | 0.56190279 | -0.039939315 | -0.657518846 |
| LNP1 | ENSG00000206535.7 | 1.736404895 | 2.450152141 | -0.490382851 |
| AL136295.6 | ENSG00000276698.1 | -0.323315517 | -0.475191132 | -0.035134746 |
| BMP7 | ENSG00000101144.12 | 1.001198153 | 2.043263005 | 7.294503338 |
| AKAP6 | ENSG00000151320.10 | -0.161121787 | 0.418171506 | 1.509613317 |
| AC083862.2 | ENSG00000272941.1 | -0.502242605 | 1.14676777 | 3.019688105 |

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| DCT | ENSG00000080166.15 | -0.200430957 | 7.856216485 | 2.084110608 |
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| C1orf220 | ENSG00000213057.5 | 0.770145844 | 0.083711499 | -0.583189812 |
| PDGFC | ENSG00000145431.10 | 2.263607648 | -0.063788359 | 4.127552973 |
| IKZF2 | ENSG00000030419.16 | 1.891931588 | -0.129728077 | 2.750832258 |
| CTXND1 | ENSG00000259417.2 | 1.167132276 | 2.473879687 | 4.129958702 |
| FNBP1P1 | ENSG00000257800.1 | 1.837196803 | 1.728686484 | 0.563949459 |
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| AC055855.1 | ENSG00000240821.1 | 1.354104592 | 0.609654663 | 1.646450842 |
| AL590235.1 | ENSG00000261643.1 | 0.026773794 | 0.235702066 | 2.437449772 |
| SRCIN1 | ENSG00000277363.4 | 4.092371361 | 4.074094485 | 1.206861272 |
| HIST1H3H | ENSG00000278828.1 | -0.460996018 | 1.340394239 | -1.091380699 |
| CEACAM1 | ENSG00000079385.21 | -0.574957554 | 4.977367934 | 4.874176419 |
| MIR6781 | ENSG00000278447.1 | 0.88965004 | 1.666730965 | 0.314491791 |
| AC007906.2 | ENSG00000277639.2 | 0.811993522 | 1.412772064 | 3.793191146 |
| HIST1H2BJ | ENSG00000124635.8 | 1.068254854 | 2.242673099 | -0.338614895 |
| AC020915.2 | ENSG00000267216.1 | 0.81525143 | 1.462265924 | 1.509373599 |
| AC006213.2 | ENSG00000267058.1 | -0.20824805 | 0.577193736 | 1.39356131 |
| PAIP2B | ENSG00000124374.8 | -0.320167557 | 0.032251138 | 1.01838172 |
| SIM2 | ENSG00000159263.15 | -0.504653276 | 2.757702675 | -0.048423839 |
| MIR7111 | ENSG00000276712.1 | 2.649139225 | 2.038558861 | 0.131235914 |
| AC145422.1 | ENSG00000256742.1 | 1.239975611 | 1.839456451 | 1.214327139 |
| AC093788.1 | ENSG00000273449.1 | 0.115544429 | -0.670390336 | -0.280786281 |
| EEF1A1P19 | ENSG00000249855.1 | 0.165870443 | -0.03687246 | -0.64942802 |
| CHST7 | ENSG00000147119.3 | 2.58335144 | 2.554614181 | 0.667238578 |
| MIR641 | ENSG00000207631.1 | 1.439797718 | 1.406214395 | 2.580592829 |
| HIST1H2AM | ENSG00000278677.1 | 1.084847373 | 0.764054007 | -0.624960143 |
| CATSPER2P1 | ENSG00000205771.6 | 0.777980968 | 0.990046418 | 1.365497983 |
| LSR | ENSG00000105699.16 | 1.284110313 | 2.633285876 | 6.084515861 |
| AP005136.2 | ENSG00000266783.1 | 0.261400419 | 0.352581839 | -0.019116208 |
| AC017116.1 | ENSG00000239775.1 | 1.6484411 | 1.552639274 | -0.370032839 |
| ANKRD29 | ENSG00000154065.16 | 3.583243017 | 2.119512796 | -0.675064009 |
| CCDC96 | ENSG00000173013.5 | 0.950478805 | 0.453356925 | 0.315652086 |
| LINC00893 | ENSG00000241769.7 | 2.179928223 | 1.947032391 | 1.115581174 |
| PRX | ENSG00000105227.14 | 0.482361318 | 0.947485435 | 1.050416883 |
| ATP6AP1L | ENSG00000205464.11 | -0.956570756 | 1.146626141 | 2.774830772 |
| ZNF284 | ENSG00000186026.6 | 2.764746705 | 1.589751366 | 0.483936599 |
| C1R | ENSG00000159403.15 | 3.766921429 | 2.946034174 | -0.770139003 |
| AL117332.1 | ENSG00000275457.1 | 2.057308428 | 1.172190439 | -1.139816034 |
| FOXD1 | ENSG00000251493.4 | 4.956711993 | 1.963563985 | -0.712146278 |
| SHOX2 | ENSG00000168779.19 | 3.573470522 | 4.207578021 | 3.365719632 |
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| AC099850.1 | ENSG00000224738.1 | -0.208678504 | 0.594562208 | 0.102844999 |
| GOLGA2P5 | ENSG00000238105.7 | 1.021442115 | 0.284965848 | -0.700452777 |
| PPARGC1A | ENSG00000109819.8 | -0.853330093 | 4.976498755 | 5.9701361 |
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| AL645941.1 | ENSG00000223837.2 | 0.822495073 | 0.422949818 | 0.871014599 |
| AC133552.2 | ENSG00000262587.2 | 0.916121669 | -0.577793413 | 0.314867665 |
| ZNF773 | ENSG00000152439.12 | 1.797865831 | 0.092146939 | 2.597056721 |
| NUP210 | ENSG00000132182.11 | 3.037345413 | 5.032447214 | 4.705008387 |
| AC016739.1 | ENSG00000218175.2 | 1.147536728 | 0.014197934 | 0.892163221 |
| SLC16A7 | ENSG00000118596.11 | 3.803262342 | -0.694205614 | 4.822845462 |
| AC097376.2 | ENSG00000273247.5 | 0.475293853 | -0.485415689 | 0.971630695 |
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| TRIM22 | ENSG00000132274.15 | -0.334896059 | 2.087715709 | 0.092773856 |
| AXIN2 | ENSG00000168646.12 | 0.05315587 | 1.870749563 | 5.597425413 |
| AC010359.1 | ENSG00000269961.1 | -0.531050313 | 0.569551857 | 0.353167018 |
| AC019080.1 | ENSG00000213963.6 | -0.791460212 | 0.982035842 | 0.851403837 |
| CIART | ENSG00000159208.15 | -0.531602462 | 3.902069626 | 3.814436975 |
| DUSP2 | ENSG00000158050.4 | 2.536896399 | 2.188393998 | -0.673360979 |
| AC005538.2 | ENSG00000279809.1 | -0.50123402 | -0.730599973 | -1.058208259 |
| AL353625.1 | ENSG00000213073.4 | -0.500490695 | 0.892041581 | 2.489762996 |
| AC105760.2 | ENSG00000227252.1 | -0.495047342 | 1.140728017 | -0.50327098 |
| AC073073.2 | ENSG00000272604.1 | 2.128032682 | 1.021004602 | -0.994049259 |
| ATP5EP2 | ENSG00000180389.6 | 0.239883158 | -0.492462785 | 0.161682881 |
| FKBP1C | ENSG00000198225.5 | 0.412115037 | 0.661575591 | -0.942560734 |
| SH3BGRL2 | ENSG00000198478.7 | 2.085484384 | 2.113008137 | 2.607288452 |
| DGCR6 | ENSG00000183628.12 | -0.518343221 | 2.939859654 | 2.1326553 |
| SNORD12C | ENSG00000209042.1 | 2.642548931 | 0.879799086 | -0.121870846 |
| ATRIP | ENSG00000164053.19 | 4.245320807 | 3.070622773 | 0.781820169 |
| LRRC75A | ENSG00000181350.11 | -1.126047373 | 0.915839124 | 4.454571463 |
| LINC00863 | ENSG00000224914.3 | 1.623475545 | -0.650212676 | 0.888446919 |
| FAM124A | ENSG00000150510.16 | 1.639035935 | 3.35993187 | 2.109048188 |
| FTH1P3 | ENSG00000213453.3 | -0.798300596 | -0.996079064 | -0.223499436 |
| AC100814.1 | ENSG00000272010.1 | -0.270291816 | 0.744584367 | 1.272016498 |
| AL669831.1 | ENSG00000228327.3 | 0.093836168 | 0.514966943 | -0.472969656 |
| PSMB8-AS1 | ENSG00000204261.8 | 0.982499094 | -0.580778607 | -0.322907492 |
| AC060780.2 | ENSG00000267340.1 | 1.721641017 | 1.720539379 | 2.423977852 |
| SCG2 | ENSG00000171951.4 | 3.04759525 | 3.390291663 | -0.958156658 |
| SCARNA7 | ENSG00000238741.1 | -0.119337375 | 1.626539494 | 1.036209378 |
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| AC016586.1 | ENSG00000268670.1 | 0.269176586 | 0.79545676 | 0.495731468 |
| ZBTB46 | ENSG00000130584.10 | 0.048690602 | -0.720880244 | 3.604974439 |
| AC016773.1 | ENSG00000270195.1 | 1.003287718 | -0.77605165 | 2.19078401 |
| RN7SL809P | ENSG00000241217.3 | 0.511923351 | 0.008240468 | -0.237091336 |
| SEMA6D | ENSG00000137872.16 | -0.389845613 | 4.574305559 | 2.592211234 |
| AL158212.3 | ENSG00000260917.1 | 1.842915633 | 1.265392135 | 2.243640407 |
| 44075 | ENSG00000180096.11 | -0.129897889 | -0.91014001 | -0.497493969 |
| FAM72D | ENSG00000215784.5 | 3.134076126 | 0.948324158 | -0.519559169 |
| VASN | ENSG00000168140.4 | 0.153720149 | 0.274024024 | -0.936355466 |
| CAHM | ENSG00000270419.1 | -0.142737529 | 0.423296273 | 1.208770642 |
| AC073195.1 | ENSG00000271855.1 | -1.149876179 | 0.093697893 | 0.299756034 |

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| C16orf86 | ENSG00000159761.14 | 2.569488718 | -0.103530932 | -0.305288265 |
| KCNK15-AS1 | ENSG00000244558.5 | 0.083164031 | 0.38980001 | -0.133636426 |
| NCKAP5 | ENSG00000176771.16 | 2.148044983 | 2.172967146 | 0.295668795 |
| AC023157.3 | ENSG00000276900.1 | 1.354642304 | 0.808944569 | -0.775626556 |
| AC010245.2 | ENSG00000272040.1 | -0.581440173 | -0.784252536 | 0.461134126 |
| PLEKHB1 | ENSG00000021300.13 | 3.238644375 | 2.886739258 | 2.035910025 |
| AC062029.1 | ENSG00000234028.3 | 0.493362299 | 0.389299708 | -0.722696292 |
| EML6 | ENSG00000214595.11 | 1.879074828 | -0.84098467 | 1.124154795 |
| Y_RNA | ENSG00000201555.1 | 0.464705344 | 0.675937842 | 1.399207654 |
| PGF | ENSG00000119630.13 | 2.417934968 | 4.477090476 | 3.764297019 |
| AC016355.1 | ENSG00000270964.1 | 0.930748068 | 0.786843342 | -0.418035512 |
| ULBP2 | ENSG00000131015.4 | 4.025320151 | 1.395929691 | -1.199463219 |
| MR1 | ENSG00000153029.14 | 1.829405644 | 2.458389156 | -0.468574894 |
| THSD4 | ENSG00000187720.14 | 2.977250877 | 0.219277217 | 0.197488022 |
| PCSK1N | ENSG00000102109.8 | 1.550097417 | 5.228550134 | 0.449015977 |
| UBAP1L | ENSG00000246922.8 | -0.904480679 | 4.900367245 | -0.834702777 |
| SNAI3-AS1 | ENSG00000260630.6 | -0.932405908 | 2.462590955 | 1.038191493 |
| APOBEC3D | ENSG00000243811.8 | 2.787894611 | -0.763527327 | 2.464225325 |
| AC124283.3 | ENSG00000262652.1 | -0.418637292 | -0.623446383 | 0.259584076 |
| AP000692.1 | ENSG00000228107.1 | -0.712748947 | -0.135010315 | 0.908477916 |
| VAMP5 | ENSG00000168899.4 | 6.026690179 | 0.02002952 | 5.564976159 |
| MT-TC | ENSG00000210140.1 | 4.869056544 | 5.154581738 | 4.493939781 |
| RNU6ATAC | ENSG00000221676.1 | 1.023623657 | 1.825094935 | 0.749425523 |
| AC123769.1 | ENSG00000226049.3 | -0.876423673 | -0.587447733 | -0.098694418 |
| RGS16 | ENSG00000143333.6 | 3.432498142 | 1.538759571 | 0.350354496 |
| AL513534.1 | ENSG00000260400.1 | 1.58392442 | 0.380346015 | -0.875088573 |
| PRRT2 | ENSG00000167371.17 | 1.889234074 | 0.209729806 | 1.212440175 |
| AC006252.1 | ENSG00000243224.1 | 1.163979563 | 1.223640143 | -0.897163138 |
| STK4-AS1 | ENSG00000227477.1 | -0.977999952 | -0.077357391 | -0.129762198 |
| AC217777.1 | ENSG00000260075.1 | -1.228952088 | 0.617823749 | 0.27643115 |
| LINC00957 | ENSG00000235314.1 | -0.955166157 | 2.837337782 | -0.401154235 |
| SNORA53 | ENSG00000212443.1 | 0.71823306 | 0.725529026 | -0.163061536 |
| MIR1244-1 | ENSG00000284378.1 | 6.022867596 | 5.573870215 | 4.898989832 |
| AC007663.4 | ENSG00000273343.1 | -0.622036161 | 0.655990181 | 0.867909973 |
| LINC00973 | ENSG00000240476.1 | 2.573310913 | 0.687468938 | 4.028512891 |
| TNFRSF10C | ENSG00000173535.13 | 2.588531757 | 2.445590789 | -0.514223373 |
| ARHGAP20 | ENSG00000137727.12 | -0.48402591 | -0.69791587 | 0.580042372 |
| TCAP | ENSG00000173991.5 | -0.267988748 | -0.521685518 | -0.968962824 |
| GABPB2 | ENSG00000143458.11 | 2.512215819 | 2.27463982 | -0.864921932 |
| LINC01569 | ENSG00000262468.5 | 2.164908073 | -0.016704767 | 1.259942351 |
| AC116913.1 | ENSG00000261351.2 | 1.307289886 | 0.198434907 | -0.17822442 |
| PAQR6 | ENSG00000160781.15 | 3.966538524 | 2.38530833 | -0.594472617 |
| AC233699.1 | ENSG00000261499.2 | 0.353113278 | -0.202129353 | 0.446354872 |
| HSD17B7P2 | ENSG00000099251.14 | -0.8405977 | 1.085963236 | 0.94904325 |
| DENND2C | ENSG00000175984.14 | -0.773456831 | 1.600291517 | 1.556789981 |
| HKDC1 | ENSG00000156510.12 | 3.600672856 | -0.936207974 | 1.000979948 |

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| TOB1-AS1 | ENSG00000229980.4 | -0.237286464 | -0.055370729 | 1.335943066 |
| SMG1P2 | ENSG00000205534.6 | 0.530885084 | 2.264905484 | 2.398204064 |
| CDK14 | ENSG00000058091.16 | 4.857024862 | 2.218111901 | 3.585226062 |
| GNRH1 | ENSG00000147437.9 | -0.809207936 | -0.729645584 | -0.60489614 |
| ZNF891 | ENSG00000214029.4 | 0.927680917 | 0.503245731 | -0.338200175 |
| AL442125.2 | ENSG00000276916.1 | 0.470669062 | -0.870742007 | -0.379212543 |
| AC068338.3 | ENSG00000275645.1 | 1.058989002 | -0.024363271 | 1.068801096 |
| AC092279.2 | ENSG00000279425.1 | 0.607704368 | -0.095734512 | -0.670297532 |
| CCDC30 | ENSG00000186409.14 | -0.335991747 | 1.052864599 | 0.722024885 |
| CCDC140 | ENSG00000163081.2 | -1.049710324 | 0.794721194 | 1.774439179 |
| PYROXD2 | ENSG00000119943.12 | 4.942865414 | 2.094025521 | 9.567119649 |
| AC024293.1 | ENSG00000244313.3 | 1.675077201 | 1.37707186 | 0.345648027 |
| NUPR1 | ENSG00000176046.8 | -0.884665404 | 3.870119662 | 7.957610565 |
| FLG-AS1 | ENSG00000237975.6 | 3.339924614 | 2.461568068 | -1.124865307 |
| CPQ | ENSG00000104324.15 | -0.638327227 | 5.840153808 | 5.698839163 |
| AL132780.5 | ENSG00000280129.1 | -0.163227796 | -0.124545827 | 0.102024064 |
| AC104986.2 | ENSG00000253948.1 | 1.582629313 | 0.566519798 | 0.44147896 |
| ZNF337-AS1 | ENSG00000213742.6 | 1.633223199 | 0.665533786 | -0.11333978 |
| AC008969.1 | ENSG00000176593.7 | -0.367222706 | -0.568101894 | 2.044593255 |
| RASSF5 | ENSG00000266094.7 | 1.998732682 | -0.5499412 | 1.838862103 |
| AC109347.1 | ENSG00000260526.1 | -0.713597503 | -0.323377279 | 0.809343737 |
| AC009245.1 | ENSG00000230383.1 | 1.172159662 | -0.490604668 | -0.368318632 |
| BMS1P10 | ENSG00000237238.2 | 3.803232729 | 1.720012069 | 3.389034278 |
| KCND1 | ENSG00000102057.9 | 1.179766118 | 0.756540343 | 1.132675007 |
| PSMD6-AS2 | ENSG00000239653.1 | -0.200021753 | -0.173335682 | 0.386063402 |
| KSR1 | ENSG00000141068.13 | 2.463073621 | 2.892464768 | -0.786139407 |
| AQP11 | ENSG00000178301.3 | -0.821310744 | 0.09419216 | 1.216977219 |
| AC006330.1 | ENSG00000280388.1 | -0.429664702 | 0.902785988 | -0.718511412 |
| TLN2 | ENSG00000171914.16 | 2.282733957 | -0.712902584 | 5.470620609 |
| GPC1 | ENSG00000063660.8 | 5.514307729 | 4.833643664 | -0.699289869 |
| AL353804.1 | ENSG00000228906.1 | 0.286376381 | -0.140730968 | 0.859402094 |
| TMEM121 | ENSG00000184986.10 | 3.428605513 | 2.897735378 | 0.396325232 |
| SGMS1-AS1 | ENSG00000226200.6 | -0.35783654 | -0.99859778 | 0.128286256 |
| PRSS12 | ENSG00000164099.3 | 3.504419305 | 3.685864497 | 3.354441722 |
| B3GNT9 | ENSG00000237172.3 | -1.14200763 | 2.609113144 | 1.860620279 |
| AC107959.1 | ENSG00000245025.2 | -0.144799373 | -0.599167246 | -0.342107889 |
| ATP2A1 | ENSG00000196296.13 | 0.87237085 | 0.662826938 | 0.737417226 |
| HNRNPA1L2 | ENSG00000139675.11 | -0.166476649 | -0.910876699 | -0.22769598 |
| BST2 | ENSG00000130303.12 | 1.851850908 | -0.615125904 | 1.543500486 |
| AC011468.1 | ENSG00000260160.1 | -0.569974158 | 2.613178268 | 0.008720517 |
| LEF1-AS1 | ENSG00000232021.6 | -0.673917794 | 2.772647111 | 2.843246529 |
| AL391069.3 | ENSG00000237976.1 | 1.833759899 | -0.156421679 | 0.887854842 |
| EIF4BP7 | ENSG00000225031.1 | 1.144811086 | -0.366617531 | -0.352435762 |
| ITGB1BP2 | ENSG00000147166.10 | 0.408329462 | 0.109540343 | -0.788201234 |
| FAM107B | ENSG00000065809.13 | 4.188324966 | 3.558173792 | -0.747889679 |
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| AC009120.1 | ENSG00000239763.2 | 1.264120695 | 2.173849985 | 0.066970699 |
| AC079414.3 | ENSG00000276007.1 | 0.359753492 | -0.169864201 | -0.534585876 |
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| AC144548.2 | ENSG00000258210.1 | 0.219162508 | 0.186625422 | -0.939347116 |
| MIR6739 | ENSG00000277681.1 | 1.542500095 | 0.258768469 | -0.508069355 |
| SYPL1P2 | ENSG00000265683.1 | 0.266578973 | 0.661225273 | 0.113659992 |
| SAMMSON | ENSG00000240405.6 | 2.570897184 | 2.268181928 | 1.547051916 |
| TAGLN | ENSG00000149591.16 | 0.893680488 | 0.570750039 | 0.376521017 |
| AC022211.3 | ENSG00000265800.1 | 0.555982938 | -0.176095647 | -0.960086129 |
| AC064875.1 | ENSG00000225649.5 | 2.869114154 | 4.151094902 | 4.291302186 |
| TMC6 | ENSG00000141524.15 | 3.716422214 | 7.078078759 | 7.067256257 |
| AC138207.4 | ENSG00000264456.1 | -0.081601123 | -0.26937903 | 0.546902022 |
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| FTH1P11 | ENSG00000237264.4 | -0.541161649 | 0.327654937 | -0.320684209 |
| PARD6G-AS1 | ENSG00000267270.5 | 0.967724798 | 0.038536194 | 0.597580694 |
| SNORD94 | ENSG00000208772.1 | 0.406963047 | 2.165299348 | 0.797751161 |
| RINL | ENSG00000187994.13 | 3.080243943 | 3.555844015 | 4.318181251 |
| BX322639.1 | ENSG00000215146.4 | 2.067208785 | 1.442781192 | -1.362941512 |
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| AL031673.1 | ENSG00000278383.1 | 1.246971914 | -0.889269499 | 0.002205169 |
| AC026362.1 | ENSG00000256028.2 | 1.171529011 | 0.440183492 | 2.719043512 |
| AC010615.1 | ENSG00000213976.4 | -0.005805738 | -0.802779227 | -0.788240158 |
| POLR2J4 | ENSG00000214783.9 | 1.047300044 | 1.178485064 | 1.266708781 |
| MTRNR2L12 | ENSG00000269028.3 | -0.347888566 | 1.456102639 | 2.486296911 |
| AL355987.4 | ENSG00000273066.5 | -0.185191077 | -0.031105569 | 0.899081801 |
| DLEU2L | ENSG00000116652.6 | -0.143516937 | 0.94517565 | -0.433657348 |
| HMGA1P8 | ENSG00000233155.1 | 3.117265664 | 0.92891539 | -0.112198309 |
| UQCRHL | ENSG00000233954.6 | -0.127027768 | -0.786268387 | -1.209630786 |
| AC025423.2 | ENSG00000256664.1 | -0.857103531 | -0.870120622 | -0.941893352 |
| AC127502.1 | ENSG00000215302.8 | -0.546450819 | 0.977693286 | 0.662639066 |
| HAS3 | ENSG00000103044.10 | 2.766988932 | -0.230350565 | -0.570714991 |
| AC253536.3 | ENSG00000232545.1 | 0.005323313 | 0.047118126 | 0.18745368 |
| HPSE | ENSG00000173083.14 | 1.523721476 | 1.998511113 | 2.195595361 |
| NUAK2 | ENSG00000163545.8 | 1.418843394 | -1.097610491 | 0.054877909 |
| AC111170.3 | ENSG00000279801.1 | 0.042153406 | 1.172955691 | 0.578824728 |
| HMGB1P3 | ENSG00000250011.1 | -0.394112383 | -0.719951029 | -0.344443215 |
| FAM20C | ENSG00000177706.8 | 7.337568814 | -1.09050196 | 4.445145809 |
| PTMAP2 | ENSG00000197744.5 | 1.002270322 | 0.584448308 | -0.332846782 |
| AL359643.3 | ENSG00000272142.1 | 1.915582226 | -0.826321319 | 0.890534777 |
| AL008729.1 | ENSG00000215022.7 | -0.665112125 | 2.271797497 | 1.506986227 |
| TRO | ENSG00000067445.20 | -0.676842049 | 3.563823526 | 3.531127957 |
| NBDY | ENSG00000204272.12 | 5.164786537 | 5.413189863 | 5.082135523 |
| AC008669.1 | ENSG00000260686.1 | -0.23521608 | 0.189376766 | 0.020940622 |
| AC010522.1 | ENSG00000268750.6 | 1.82837715 | 0.801708064 | 0.885277311 |
| IRF5 | ENSG00000128604.19 | 0.505702376 | 3.725380275 | 3.699277936 |
| AC145207.9 | ENSG00000278876.1 | 0.961704869 | 0.965742641 | -0.243390686 |

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| AL133338.1 | ENSG00000260000.2 | 1.031431589 | -0.538186507 | 0.335642246 |
| YPEL2 | ENSG00000175155.8 | 1.274883739 | 1.148813276 | 1.374651591 |
| NR2F1-AS1 | ENSG00000237187.8 | 1.299399582 | -0.118212236 | 2.537001349 |
| CDKL1 | ENSG00000100490.9 | 2.802266355 | 0.688463285 | -0.210861959 |
| AC027373.1 | ENSG00000260368.1 | -0.619416441 | -0.406049131 | -0.551715298 |
| FAM19A2 | ENSG00000198673.10 | 2.853224015 | -0.255712084 | 1.738053218 |
| AL162386.2 | ENSG00000234740.1 | 0.273283675 | 0.047399414 | -0.787742651 |
| AL132639.2 | ENSG00000258940.2 | 0.241737014 | -0.499110888 | -0.356741253 |
| C1orf54 | ENSG00000118292.8 | 0.1329699 | 1.884210836 | 1.730958796 |
| AC009120.2 | ENSG00000259972.2 | 2.817166658 | 2.973334641 | 1.144125967 |
| AC090948.1 | ENSG00000271964.1 | -0.219416852 | 0.063130773 | -0.62837153 |
| FYB1 | ENSG00000082074.15 | 1.225140689 | 3.973455369 | 1.631852683 |
| FKBP5 | ENSG00000096060.14 | 4.523545598 | 3.697219987 | 5.334107079 |
| AC079848.1 | ENSG00000250012.1 | -0.161285185 | 0.799521475 | 0.712596287 |
| TCEA1P4 | ENSG00000236184.1 | 0.354434409 | 0.076976992 | -0.42314616 |
| VSTM2B | ENSG00000187135.7 | 1.243123643 | -0.570514559 | 1.163732947 |
| AL442125.1 | ENSG00000276248.1 | -0.132313288 | -0.804358567 | 0.247141492 |
| AC137767.1 | ENSG00000256092.2 | 1.345643074 | 0.000664406 | 0.752370412 |
| AC022211.1 | ENSG00000263786.1 | 1.11828844 | 0.329815606 | -0.467898977 |
| WDFY3-AS2 | ENSG00000180769.8 | 0.174054226 | 0.527239273 | 1.449413222 |
| AC135507.1 | ENSG00000272182.1 | -0.315963461 | 0.457129052 | 1.462627559 |
| AC145423.3 | ENSG00000278112.1 | 1.291737331 | 1.662005774 | 2.747936788 |
| FTH1P15 | ENSG00000218980.2 | 0.887438905 | -0.110783532 | 1.093571246 |
| GTF2IRD2 | ENSG00000196275.13 | 0.029807885 | -0.504337219 | 2.144230684 |
| ACTA2 | ENSG00000107796.13 | 3.284210377 | 4.224268469 | 5.567269678 |
| NBPF20 | ENSG00000162825.16 | 0.496932768 | 0.299369448 | -1.044555762 |
| MYLK | ENSG00000065534.18 | 2.511775778 | 3.076814073 | -0.859544796 |
| AP001767.4 | ENSG00000279900.1 | 0.207806024 | -0.133696474 | 0.772698785 |
| KCNAB3 | ENSG00000170049.9 | 2.415157443 | 0.670304737 | 0.70279586 |
| CYBRD1 | ENSG00000071967.11 | 4.40783048 | 6.844635763 | 4.391430036 |
| FEZ1 | ENSG00000149557.12 | 5.635620028 | 3.402888025 | 4.858674123 |
| DFFBP1 | ENSG00000232303.2 | 1.310056115 | 0.225620421 | 0.709130763 |
| C1S | ENSG00000182326.14 | -0.86584048 | -0.290732327 | -0.834856596 |
| STX18-AS1 | ENSG00000247708.7 | 1.577943043 | 0.580693851 | 3.083353346 |
| KLRA1P | ENSG00000256667.6 | -0.270145385 | 0.259884936 | 1.773638887 |
| CMTM8 | ENSG00000170293.8 | 4.297245444 | 4.507540068 | 4.077703691 |
| RASL10B | ENSG00000270885.1 | -1.142176543 | 2.587288119 | 3.857091603 |
| SMC5-AS1 | ENSG00000268364.1 | 0.065941079 | 0.649141724 | -0.085461442 |
| AC048341.2 | ENSG00000257354.2 | -0.056556114 | 0.499386538 | 0.125918081 |
| CASC15 | ENSG00000272168.6 | -0.723563541 | 1.557650953 | 2.088794126 |
| ANKRD33B | ENSG00000164236.11 | 0.770940745 | 3.969885016 | 4.129526666 |
| AL035563.1 | ENSG00000273148.1 | 1.537965042 | 0.941733266 | -0.667645598 |
| TBX19 | ENSG00000143178.12 | 1.631409636 | 1.830861295 | -0.960483659 |
| CYGB | ENSG00000161544.9 | -0.958326335 | 8.376035514 | 8.842313906 |
| AL627171.2 | ENSG00000282885.1 | -0.453151598 | -0.845183438 | 1.984257522 |
| RAPGEF5 | ENSG00000136237.18 | 1.403031341 | 4.67260939 | 0.418957569 |

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| AL137003.2 | ENSG00000272341.1 | -0.110140067 | 0.126714365 | 1.695698611 |
| PWP2 | ENSG00000241945.7 | 3.355111925 | 2.407428675 | 2.133419687 |
| ADHFE1 | ENSG00000147576.15 | -0.821757123 | 0.805953293 | 1.098413672 |
| AC016590.2 | ENSG00000267682.1 | 0.319824782 | 0.21976083 | -0.046139458 |
| PPP1R12A-AS1 | ENSG00000257557.2 | -1.174138745 | -0.797238507 | 0.465206431 |
| CASC2 | ENSG00000177640.15 | 1.198781654 | 0.09722562 | 0.070911992 |
| AL359878.1 | ENSG00000205740.2 | -1.213606727 | 0.203869436 | -0.645187972 |
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| TEN1 | ENSG00000257949.6 | 0.668037287 | 0.137578211 | 1.416814357 |
| GSTT2 | ENSG00000099984.11 | -0.291465652 | 1.814033136 | 0.411484425 |
| AC090948.2 | ENSG00000272498.1 | 0.807391273 | -0.028952884 | -0.709152011 |
| LGALSL | ENSG00000119862.12 | 2.970317199 | 3.962714177 | 3.89484141 |
| LINC00663 | ENSG00000266904.5 | 0.735646622 | 0.11662931 | 1.800687245 |
| LMO2 | ENSG00000135363.11 | 1.16338398 | -1.28531867 | 2.573541624 |
| ABCA11P | ENSG00000251595.7 | 1.763582998 | 0.662984785 | 0.384218385 |
| ZCWPW1 | ENSG00000078487.17 | 1.520826188 | 1.323436528 | 1.583836733 |
| HSF2BP | ENSG00000160207.8 | -0.818118344 | -0.383276855 | 0.543617444 |
| AC006011.1 | ENSG00000244563.1 | 3.438018835 | 6.010219112 | 5.782266513 |
| AP002360.4 | ENSG00000272301.1 | 0.517236756 | 0.68171666 | 1.093433914 |
| AIF1L | ENSG00000126878.12 | 3.75474295 | 3.305329074 | -1.196870423 |
| PPIAP29 | ENSG00000214975.4 | 0.779564061 | 0.56674598 | -0.524053886 |
| AC009996.1 | ENSG00000259659.1 | 0.187278183 | -1.414788778 | -0.170304215 |
| AL078590.3 | ENSG00000232310.6 | -0.083465752 | 0.293517685 | 0.684611773 |
| FN3K | ENSG00000167363.13 | -0.65597504 | 5.958993479 | 7.305083242 |
| AL353796.1 | ENSG00000259994.1 | 0.426253463 | 0.180186017 | -0.484605315 |
| AC022306.2 | ENSG00000275580.1 | 0.186531444 | 0.356845997 | 0.740591448 |
| AC073529.1 | ENSG00000234129.7 | 0.9594712 | -0.496385051 | 0.710356374 |
| AC015813.2 | ENSG00000266086.1 | -0.952549374 | 2.101347949 | -0.327699891 |
| COX6A1P2 | ENSG00000226976.3 | 0.57932463 | -0.100104582 | 1.82599477 |
| AL133243.3 | ENSG00000276517.1 | 0.644703179 | 0.010281599 | -0.3240043 |
| USP3-AS1 | ENSG00000259248.5 | 0.775759209 | 0.789417921 | -0.69809292 |
| CCNB3 | ENSG00000147082.17 | 0.008455981 | -1.094408991 | -0.272916053 |
| CAMK1 | ENSG00000134072.10 | 1.379029435 | 4.017419801 | 2.648722544 |
| LDLRAD4 | ENSG00000168675.18 | -0.02757915 | 3.94271961 | 3.431543617 |
| TNFSF4 | ENSG00000117586.10 | -1.041464217 | 1.769078073 | 0.120923722 |
| AC018628.1 | ENSG00000279133.1 | -0.481864578 | 0.900963096 | 1.058607167 |
| HPDL | ENSG00000186603.5 | 4.627496829 | 3.030235185 | 1.812900015 |
| AC004148.2 | ENSG00000263272.1 | 1.871764459 | -0.630956713 | -0.85889388 |
| AL139089.1 | ENSG00000273723.1 | 1.242022868 | 0.518539028 | -0.203856622 |
| HLA-DPA1 | ENSG00000231389.7 | 7.839268383 | -0.712553825 | 3.122779743 |
| FOXD2 | ENSG00000186564.5 | 1.991979918 | 0.170251374 | -1.452261352 |
| AC239868.1 | ENSG00000220323.3 | -0.996129205 | 0.263022046 | -0.833307903 |
| AC079807.2 | ENSG00000233230.1 | -0.527074976 | 1.27196564 | 0.940997329 |
| CALHM2 | ENSG00000138172.10 | 5.408125762 | -0.691616544 | 5.214017758 |
| ZC3H11B | ENSG00000215817.5 | -0.832518058 | -1.11355075 | -0.944263803 |
| AC104452.1 | ENSG00000283189.2 | -0.570316819 | 1.347870685 | 1.503211451 |

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| AC110285.7 | ENSG00000279692.1 | 1.704974883 | 0.870685031 | 2.309658374 |
| LRRC24 | ENSG00000254402.6 | -1.095515289 | 0.969343084 | -0.369688898 |
| BX537318.1 | ENSG00000273145.1 | 0.3391814 | 0.853695805 | 0.846285541 |
| LDHD | ENSG00000166816.13 | -0.833543323 | -0.940420951 | -1.077552366 |
| AL355802.3 | ENSG00000271754.1 | 2.653796952 | 0.736026162 | -0.622523886 |
| AC007032.1 | ENSG00000273320.1 | -0.725582143 | 1.384897191 | 1.323639563 |
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| AP006621.2 | ENSG00000255142.1 | -0.169936618 | 1.118114051 | -0.247555169 |
| AC027237.3 | ENSG00000259426.5 | 0.682113415 | -0.440143803 | 0.921502913 |
| FTH1P16 | ENSG00000227376.1 | -0.878849715 | 0.431785978 | 1.459101455 |
| ARHGAP24 | ENSG00000138639.17 | 1.732214096 | 3.45065989 | 1.946632378 |
| AL034549.2 | ENSG00000276073.1 | -1.131694559 | -0.654172818 | -0.769084829 |
| CLCF1 | ENSG00000175505.10 | 3.636363913 | -0.363751335 | -0.890409062 |
| AC104763.1 | ENSG00000241157.1 | -0.684458329 | 2.200604914 | 3.621964236 |
| MIR1825 | ENSG00000284125.1 | -1.127063161 | -1.118727901 | -1.243696575 |
| HIST1H2BC | ENSG00000180596.7 | -0.324957135 | 3.475127593 | -0.415461173 |
| VEPH1 | ENSG00000197415.11 | 0.075441765 | 5.123691268 | 0.027642278 |
| 44078 | ENSG00000108387.14 | -1.046046091 | 5.727622887 | 1.763715401 |
| TUBBP1 | ENSG00000127589.4 | 0.235104735 | -0.365449803 | -1.163987827 |
| CFL1P5 | ENSG00000213830.3 | 0.293025668 | 0.228267467 | 0.387841028 |
| MADCAM1 | ENSG00000099866.14 | -1.079655949 | -0.505025848 | 0.364657178 |
| FBXO2 | ENSG00000116661.10 | 1.538596995 | 4.153954043 | 4.088163978 |
| SPRY3 | ENSG00000168939.11 | -0.968409075 | -0.496672054 | -0.872642449 |
| AL359091.4 | ENSG00000273186.1 | 0.492712792 | 1.91372095 | -0.618689918 |
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| RPS3AP6 | ENSG00000234797.5 | 1.439428333 | 0.377857614 | 0.663846799 |
| NPM1P9 | ENSG00000231066.3 | 2.156279521 | -0.472206223 | -0.956821484 |
| NGFR | ENSG00000064300.8 | 4.329384125 | 2.450387495 | 0.279864166 |
| AC102945.2 | ENSG00000279041.1 | -1.016776226 | 1.014237868 | 0.891509236 |
| LINC00472 | ENSG00000233237.6 | 0.424809496 | -0.474681483 | -1.149781621 |
| HIST1H4E | ENSG00000276966.2 | -0.427815839 | 0.220844977 | -0.925947491 |
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| DNAAF3 | ENSG00000167646.13 | 2.35677578 | 2.153030873 | -0.763406339 |
| ATP2B1-AS1 | ENSG00000271614.1 | -0.60377792 | -1.05808382 | -1.384214564 |
| ZNF185 | ENSG00000147394.18 | -0.063689645 | 1.623914886 | 0.606961161 |
| AP006333.1 | ENSG00000256341.1 | -1.132859 | -0.673473296 | -0.096382698 |
| AL356235.1 | ENSG00000248503.2 | -0.72876557 | -0.206118207 | -0.920385281 |
| RBPM52 | ENSG00000166831.8 | 3.752352762 | 3.220657337 | 4.874413612 |
| FBXO36 | ENSG00000153832.11 | 0.121045116 | -0.171307958 | -0.880967981 |
| ACVR2B-AS1 | ENSG00000229589.1 | 1.001075267 | 2.431545154 | 1.044134037 |
| AC064799.1 | ENSG00000212664.5 | -0.091841942 | 0.42694225 | -0.011921142 |
| SEC31B | ENSG00000075826.16 | 1.758441141 | 1.314016114 | 2.027797219 |
| AC009318.3 | ENSG00000274315.1 | -0.041610055 | 0.710668016 | -1.420438781 |
| HOXC-AS1 | ENSG00000250451.5 | 1.972889075 | -0.655812424 | 0.25531078 |
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| AC069544.1 | ENSG00000272853.1 | 0.210840309 | 0.089442549 | -0.22084797 |
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| FSIP1 | ENSG00000150667.6 | 1.637553684 | -0.704409744 | -0.249379348 |
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| FBXL7 | ENSG00000183580.9 | -1.239745901 | 6.201033791 | 2.347231568 |
| AC009065.4 | ENSG00000260778.5 | 0.920967956 | 0.581704435 | 1.161821753 |
| ATP6V1G2 | ENSG00000213760.10 | 1.174740743 | -0.165060933 | 0.03423625 |
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| AC027307.3 | ENSG00000268798.1 | 0.959158817 | -0.72234326 | -0.594220975 |
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| CCDC74B | ENSG00000152076.18 | 2.959179811 | 0.602327607 | 0.611702476 |
| AF127577.4 | ENSG00000235609.7 | -0.61841282 | -1.414439858 | -0.348746617 |
| EP300-AS1 | ENSG00000231993.1 | -0.545135954 | -1.355801098 | 0.719100264 |
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| TRPV1 | ENSG00000196689.11 | 1.200022134 | 0.41379031 | -0.343192395 |
| GTSE1-AS1 | ENSG00000277232.2 | -0.274639944 | 0.71690156 | 0.263646179 |
| U47924.2 | ENSG00000272173.1 | 1.821059381 | -0.706929109 | -1.079446731 |
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| LINC00518 | ENSG00000183674.11 | -0.775802769 | 5.494134329 | 5.543616805 |
| AL031009.1 | ENSG00000278987.1 | -0.997406579 | -1.140983139 | -0.419617137 |
| MIR3936HG | ENSG00000233006.6 | 0.935734992 | 0.849463841 | 2.51090916 |
| MAMSTR | ENSG00000176909.11 | 0.572248928 | 1.500447372 | 1.043550526 |
| LINC01021 | ENSG00000250337.5 | 2.639423092 | 5.586050872 | 5.02523948 |
| AC245140.2 | ENSG00000280195.1 | 1.587694227 | 0.511263762 | -0.992259243 |
| SEC24B-AS1 | ENSG00000247950.6 | 0.385394718 | -0.610986868 | 0.113559786 |
| AC068446.1 | ENSG00000237161.4 | -1.078262211 | -0.275298212 | 0.809317279 |
| AC018638.7 | ENSG00000271553.1 | -1.315676565 | -0.003896309 | 0.075267788 |
| AL356273.3 | ENSG00000279838.1 | -0.603512218 | 1.803789442 | -0.738315975 |
| AC243919.1 | ENSG00000278202.1 | 0.60707625 | -0.979208495 | 0.845119302 |
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| ACAP2-IT1 | ENSG00000229325.1 | -1.377966653 | -0.127782095 | -0.450610803 |
| NRCAM | ENSG00000091129.19 | 4.26132359 | 3.826902035 | -1.572671806 |
| RPL23AP2 | ENSG00000225067.4 | 1.863156122 | -0.367078445 | 0.435536517 |
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| AL359513.1 | ENSG00000278238.1 | 0.665165823 | -0.220866197 | 0.36869478 |
| PAXBP1-AS1 | ENSG00000238197.5 | 0.705667454 | 0.189700967 | -0.392789402 |
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| AC097461.1 | ENSG00000261428.2 | -0.017514989 | 0.382150868 | -0.973763235 |

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| BTG3-AS1 | ENSG00000280594.1 | -0.489226836 | 1.379958133 | 0.434688765 |
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| GIPR | ENSG00000010310.8 | -0.324650067 | 1.945182976 | 1.340976511 |
| RPSAP15 | ENSG00000237506.3 | 1.236425294 | 0.34757386 | -0.327805867 |
| ZFP37 | ENSG00000136866.13 | 2.11612467 | 2.47440388 | -1.073565579 |
| H2AFY2 | ENSG00000099284.13 | 3.839042142 | 0.748014111 | 1.771670822 |
| AC124798.1 | ENSG00000260196.1 | 1.885306764 | 1.905673919 | -1.066929179 |
| MIRLET7D | ENSG00000199133.3 | 1.971197238 | 1.557833435 | 0.80470552 |
| SRGAP2B | ENSG00000196369.11 | 2.124123802 | 1.431503317 | -0.994447136 |
| AC079684.1 | ENSG00000274943.1 | 0.544803651 | 2.349420316 | -1.062343019 |
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| B3GALT4 | ENSG00000235863.3 | -1.020852591 | 0.296927505 | -0.874494789 |
| LCP1 | ENSG00000136167.13 | -1.471240377 | 2.573878486 | 6.955911361 |
| NR2F1 | ENSG00000175745.11 | 1.896860498 | -1.079451475 | 1.210842524 |
| RPSAP12 | ENSG00000240087.3 | 1.492864843 | 0.151951392 | -1.220519973 |
| AC055713.1 | ENSG00000247373.3 | -0.869063849 | -0.312050172 | 0.6409566 |
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| AC093249.6 | ENSG00000261840.2 | 0.744111519 | -0.780944078 | -0.116757446 |
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| AL358472.2 | ENSG00000272654.1 | 1.559125756 | 0.806023909 | -1.123516368 |
| MALAT1 | ENSG00000278217.1 | -1.315807431 | -1.276436079 | -1.363202199 |
| EPHA3 | ENSG00000044524.10 | 6.149742566 | 3.8043221 | -1.666246999 |
| BZW1P2 | ENSG00000198406.7 | -0.247633077 | -0.814828506 | -1.117868048 |
| RPL23AP1 | ENSG00000239257.1 | 0.465159471 | 3.037791047 | 0.900823449 |
| BIRC3 | ENSG00000023445.13 | 0.491524954 | -1.356008767 | 3.186556168 |
| MIR4657 | ENSG00000284261.1 | -1.208340789 | -1.282255734 | -1.262079301 |
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| AC067931.1 | ENSG00000279766.1 | -0.399899367 | -0.598201858 | 0.026618195 |
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| IRAK1BP1 | ENSG00000146243.13 | 0.34818902 | 0.936771384 | 0.089563054 |
| FP565260.1 | ENSG00000275464.4 | 0.282105183 | 0.09750179 | -0.914181441 |
| AL590705.5 | ENSG00000254876.5 | -0.468955652 | 2.36078384 | 1.60085299 |
| AL031432.4 | ENSG00000284602.1 | 0.106855786 | 0.534323072 | -0.394417546 |
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| PCDHB6 | ENSG00000113211.5 | 4.033137669 | -1.070108145 | -1.323861004 |
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| AMT | ENSG00000145020.15 | -0.300875285 | 0.455529946 | 1.23876831 |
| AL354696.1 | ENSG00000277662.1 | 0.087890045 | 1.243301851 | -0.169690551 |
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| B3GALT1 | ENSG00000172318.5 | 0.716583666 | -1.226720135 | 2.787419508 |
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| AL078621.3 | ENSG00000279267.1 | -1.243440641 | -1.040969258 | -0.599982795 |
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| EXTL3-AS1 | ENSG00000246339.5 | -1.402564053 | -0.481387946 | -0.573966363 |
| C2CD2 | ENSG00000157617.16 | -0.836394481 | 2.360745783 | 3.070260194 |
| WBP1LP2 | ENSG00000250474.2 | -0.224449472 | -0.848507799 | 0.399160282 |
| AC012184.3 | ENSG00000261777.5 | 0.887315066 | 0.471994053 | 1.373158696 |
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| MICE | ENSG00000273340.1 | -1.203673967 | 3.352144531 | 1.263035199 |
| LINC00471 | ENSG00000181798.2 | -0.129734357 | -0.011912667 | 0.407509197 |
| CCT6B | ENSG00000132141.13 | -0.862519322 | 1.029665577 | 1.790806717 |
| AL136162.1 | ENSG00000271888.1 | 1.114418288 | 0.238658364 | 0.458355796 |
| AL356019.2 | ENSG00000258768.2 | 0.056827963 | -0.501324007 | 0.18859545 |
| AC009126.1 | ENSG00000247121.6 | -0.267100533 | -0.811365082 | 0.56543877 |
| AC027682.6 | ENSG00000276075.1 | -0.761187045 | -0.30603008 | -0.091209001 |
| AP000787.1 | ENSG00000245552.6 | 0.565714137 | 1.119271455 | 2.544499307 |
| AL391069.2 | ENSG00000232671.5 | 1.414188855 | 1.20582095 | -1.278845873 |
| AP001486.2 | ENSG00000260966.1 | 0.973905485 | -0.320707345 | -1.368802144 |
| FZD9 | ENSG00000188763.4 | 2.219197606 | 2.921470972 | -1.073703911 |
| RPL39P36 | ENSG00000239912.1 | 0.463331145 | 0.161511198 | -0.243425313 |
| DGKI | ENSG00000157680.15 | -1.118906957 | 2.308423066 | 2.952999439 |
| SLC4A4 | ENSG00000080493.15 | -0.904575945 | 1.632216125 | 0.031342876 |
| AC025165.5 | ENSG00000270039.1 | 0.302449014 | 0.617631956 | 2.982370308 |
| ROPN1L | ENSG00000145491.11 | 1.09919453 | 1.337225723 | -1.441802572 |
| ZDHHC11 | ENSG00000188818.12 | 3.685087361 | 4.758315676 | 0.965351457 |
| F8 | ENSG00000185010.13 | 0.654000184 | -0.594528803 | 2.673674038 |
| RAB36 | ENSG00000100228.12 | 3.475388262 | 3.333491866 | 2.256869172 |
| AC007038.1 | ENSG00000229127.1 | -0.938885536 | 0.750354198 | 0.867821151 |
| COL15A1 | ENSG00000204291.10 | 1.17266924 | 0.183108852 | 0.200484286 |
| FAM227A | ENSG00000184949.15 | 0.20781897 | 0.429501033 | -0.849070247 |

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| CTRL | ENSG00000141086.17 | 0.458648575 | -0.529604655 | -0.518526132 |
| MIR4647 | ENSG00000284427.1 | -1.354019032 | -1.37012132 | -1.487259891 |
| LINC01366 | ENSG00000235172.7 | 2.237255134 | 1.779704953 | 0.258446777 |
| AC019226.1 | ENSG00000281469.1 | -1.602891051 | 0.423398022 | 0.077994415 |
| AC020661.1 | ENSG00000251161.3 | 0.538887686 | 0.166608291 | -1.212806851 |
| SNORA41 | ENSG00000207406.1 | 0.533588773 | 1.857409468 | 1.439042781 |
| PIGY | ENSG00000255072.1 | -1.233921867 | -1.336713313 | -1.472502587 |
| PAN3-AS1 | ENSG00000261485.1 | 1.106730248 | 1.061835952 | 2.158662279 |
| SCN8A | ENSG00000196876.15 | -0.339355948 | -0.343992079 | 1.804266341 |
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| ISPD | ENSG00000214960.9 | 0.347573452 | 1.505427768 | -0.945828817 |
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| AC005070.3 | ENSG00000272918.1 | -0.237301059 | -0.294950506 | -0.471129126 |
| ZBED3-AS1 | ENSG00000250802.6 | 1.527043179 | -1.206750901 | 3.117469463 |
| OGFRP1 | ENSG00000182057.4 | 0.771023197 | 0.919859518 | 0.425653281 |
| AC005702.1 | ENSG00000267302.5 | -0.87792121 | -0.450865066 | 2.637433375 |
| PLAUR | ENSG00000011422.11 | 5.59730933 | 5.625512642 | 5.040585812 |
| CCDC113 | ENSG00000103021.9 | 2.599323943 | 2.319013011 | 0.715329945 |
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| NAALADL2 | ENSG00000177694.15 | 0.025657953 | 0.224141081 | -1.258993633 |
| ITPKA | ENSG00000137825.10 | 0.970837975 | -0.862155061 | 4.346613532 |
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| C3orf18 | ENSG00000088543.14 | 2.51848044 | 4.008680869 | 2.241535087 |
| RGPD5 | ENSG00000015568.12 | -0.755051794 | -0.360317402 | 0.086539585 |
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| PTP4A3 | ENSG00000184489.11 | -0.070290967 | 2.639851655 | 0.633510715 |
| PMS2P2 | ENSG00000278416.1 | -0.379609083 | -1.682973803 | -0.320160272 |
| AC092119.2 | ENSG00000274460.1 | -0.481531819 | -0.283520822 | 0.319493018 |
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| SLC44A3 | ENSG00000143036.16 | -1.520431002 | 3.330688153 | 3.56899282 |
| AC007773.1 | ENSG00000267213.4 | 1.469474984 | 1.154456279 | -0.077846242 |
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| AP000254.1 | ENSG00000273271.1 | 0.468787981 | -1.395602385 | 0.622763412 |
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| TLR1 | ENSG00000174125.7 | -0.027263415 | -0.572335993 | 2.00679077 |
| AC016949.1 | ENSG00000230732.4 | 0.584748405 | -0.524420678 | 0.396257598 |
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| ENO1P4 | ENSG00000241790.2 | 1.58913506 | 0.802391325 | 1.170198121 |
| BORCS8-MEF | ENSG00000064489.22 | 2.12920165 | 1.976260285 | -1.168616883 |
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| AC090519.1 | ENSG00000250130.1 | -1.173556736 | -0.22491934 | 0.582716439 |
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| MIR193BHG | ENSG00000262454.3 | 0.12006422 | 0.62533825 | 0.057856506 |
| LINC01505 | ENSG00000234323.6 | 0.443817298 | 3.487557628 | -0.943723509 |
| AC007541.1 | ENSG00000260329.1 | 0.902913763 | 0.641822917 | 0.09154337 |
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| AC008507.1 | ENSG00000266910.1 | -1.384035602 | 1.002809871 | -0.146467415 |
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| LINC01001 | ENSG00000230724.9 | 0.470534508 | 1.539837507 | 0.218313006 |
| AC104581.5 | ENSG00000280046.1 | -0.522900145 | -1.39196599 | -1.325413576 |
| AC145285.7 | ENSG00000275807.1 | 0.435944075 | -0.289236838 | 0.185216229 |
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| LINC00638 | ENSG00000258701.1 | -0.399534089 | 0.121138424 | -1.458551131 |
| AC097641.3 | ENSG00000277728.1 | 0.129049915 | -0.02856072 | -0.309162623 |
| AL162431.2 | ENSG00000243155.1 | 0.87939322 | 0.069930564 | -0.512390281 |
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| AC009779.3 | ENSG00000258311.5 | 1.922786875 | 1.493928073 | -1.455248089 |
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| SNORA31 | ENSG00000199477.1 | -0.313357131 | 0.41535532 | 0.412803182 |
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| AC092117.1 | ENSG00000276791.1 | 0.1291274 | 0.912687602 | -1.251453259 |
| AC015712.2 | ENSG00000259583.2 | 0.401647459 | 0.510900433 | -0.605084093 |
| RNA5-8SN4 | ENSG00000275215.1 | 0.763322178 | 0.253213604 | -0.378490591 |
| SUGT1P3 | ENSG00000239827.8 | 0.744439722 | 0.508854243 | 0.122679138 |
| AL662797.2 | ENSG00000272273.1 | -0.140789736 | -1.373405788 | 1.682385527 |
| TMEM240 | ENSG00000205090.8 | -0.21368292 | 0.846890968 | 2.282581478 |
| AP006545.1 | ENSG00000260949.1 | 1.384904124 | -0.342999754 | 0.819275165 |
| BEX2 | ENSG00000133134.11 | 2.468791758 | 4.749027519 | 6.925704299 |
| RN7SL431P | ENSG00000264384.2 | -0.264708591 | 0.173550691 | -1.44662317 |
| CYCSP24 | ENSG00000227666.1 | 0.483412568 | 2.009935684 | -0.544267906 |
| RN7SL657P | ENSG00000264293.2 | -0.426647183 | 2.481785833 | 2.637581656 |
| AMDHD1 | ENSG00000139344.7 | -0.661785698 | 1.458617897 | 0.157762885 |
| PTGER4 | ENSG00000171522.5 | -1.18857226 | -0.536125758 | 0.150507915 |
| AC040162.3 | ENSG00000263126.1 | -0.577616888 | -1.050162562 | 0.196229544 |
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| NTN1 | ENSG00000065320.8 | -1.003101614 | 0.22601112 | -0.37270453 |
| HSPD1P1 | ENSG00000213430.6 | -0.886994176 | -0.542879272 | -1.319205156 |
| KLF7 | ENSG00000118263.14 | 2.48117459 | 3.498334502 | 3.111013236 |
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| AC007216.3 | ENSG00000261560.1 | 0.176947407 | -1.182315502 | -0.367670516 |
| LINC01786 | ENSG00000230415.1 | -0.519682534 | 1.638397094 | 0.035135388 |
| SEMA6B | ENSG00000167680.15 | 5.05569373 | 4.923974777 | 7.304910819 |
| TPD52L1 | ENSG00000111907.20 | 6.431039058 | 3.81671265 | 6.024454143 |
| CYP39A1 | ENSG00000146233.7 | -1.312332937 | 0.461306306 | 0.657823926 |
| AP000873.1 | ENSG00000241020.1 | -1.32404758 | -1.219867727 | -1.264550762 |
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| BATF2 | ENSG00000168062.9 | 1.436693313 | -1.242207717 | 1.165218487 |
| AC008764.6 | ENSG00000269399.2 | 1.066360387 | 1.069255913 | -0.671836114 |
| Z92544.2 | ENSG00000261659.2 | 0.532918704 | 0.521644361 | 0.717343103 |
| LYRM9 | ENSG00000232859.9 | -0.040066962 | 2.378113558 | 2.468756222 |
| SNORD52 | ENSG00000201754.1 | -1.334926474 | -1.413062438 | -1.531291791 |
| MIR877 | ENSG00000216101.3 | -0.613181804 | 0.298561366 | -0.120348949 |
| AC092718.7 | ENSG00000278985.1 | -1.806928637 | -0.848716219 | -0.393575293 |
| MIR3176 | ENSG00000266235.1 | 3.526508378 | 1.682420427 | 2.498740816 |
| YPEL1 | ENSG00000100027.14 | -0.728851681 | -1.194878272 | 1.482251325 |
| MIR198 | ENSG00000284121.1 | -1.687474593 | -1.354862332 | -1.611832435 |
| TLE2 | ENSG00000065717.14 | 1.770589692 | 1.648776957 | 1.929865813 |
| AC137723.1 | ENSG00000264569.1 | -0.633184402 | -0.640156376 | -0.086703733 |
| SNHG22 | ENSG00000267322.2 | -0.956468996 | 1.862470624 | 1.60613556 |
| AC109587.1 | ENSG00000244513.6 | 1.214867153 | -0.682804225 | 0.417106762 |
| ZNF233 | ENSG00000159915.12 | -1.63188668 | -0.309683905 | 1.401520998 |
| AC092902.5 | ENSG00000284624.1 | 0.793011823 | 1.913619534 | 2.229547537 |
| CLSTN3 | ENSG00000139182.13 | 2.593651411 | 3.716646132 | 3.352773602 |
| RGS9 | ENSG00000108370.16 | 1.501649505 | -1.221994743 | 3.778689457 |
| LINC00310 | ENSG00000227456.7 | 0.530890353 | -1.103269617 | -0.427216376 |
| DICER1-AS1 | ENSG00000235706.7 | -0.547636879 | -0.343489635 | 0.467007949 |
| AC096586.1 | ENSG00000272936.1 | 0.763810657 | -0.497481898 | 1.077690985 |
| ARL17A | ENSG00000185829.17 | 0.106702889 | -0.669031517 | 1.886195693 |
| AL390195.1 | ENSG00000243960.1 | 0.877357582 | 0.763812081 | 0.13274148 |
| ARL17B | ENSG00000228696.8 | -0.583312238 | -0.726825674 | 2.175895925 |
| ZC3H10 | ENSG00000135482.6 | 2.608467526 | 1.843106741 | -0.675252567 |
| ZFH2-AS1 | ENSG00000157306.14 | 0.245961883 | 0.916461263 | -0.701273234 |
| AC008494.3 | ENSG00000271797.1 | -0.04062615 | -0.922544267 | -0.447818719 |
| RPL37P6 | ENSG00000241431.1 | 0.771992778 | 0.865947231 | -0.365302693 |
| IPO9-AS1 | ENSG00000231871.5 | 0.209578792 | -1.138783799 | -1.672995427 |
| AC116667.1 | ENSG00000271009.3 | -1.294291713 | -0.875791563 | -0.185237194 |
| MIR4700 | ENSG00000284143.1 | -1.659263771 | -1.514959699 | -1.677924149 |
| IQCH | ENSG00000103599.19 | 1.074782988 | 1.566047516 | 1.031868491 |
| AC080112.2 | ENSG00000266208.1 | 2.312372921 | 4.170975139 | 2.533386709 |
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| SNORD58C | ENSG00000202093.1 | 0.422942286 | 0.654261121 | 1.614694842 |
| Z98882.1 | ENSG00000277142.1 | 1.022671709 | 1.218522065 | 0.097761839 |
| AC020663.3 | ENSG00000275056.1 | -0.962664016 | -1.293949319 | -1.035259452 |
| CNTNAP1 | ENSG00000108797.11 | 4.664127358 | 3.877319256 | 2.75078203 |
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| AL604028.2 | ENSG00000234329.1 | -1.01414309 | -0.214481697 | -0.159372103 |
| MIR1182 | ENSG00000283799.1 | -1.385741547 | -1.424228358 | -1.50990712 |
| CRYGS | ENSG00000213139.7 | -1.499008112 | 1.154029976 | 1.745608703 |
| FAM160A1 | ENSG00000164142.15 | 1.75584147 | 0.732219303 | 1.743967767 |
| KLHDC1 | ENSG00000197776.7 | -1.808934762 | -0.946130768 | -1.186998284 |
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| CDNF | ENSG00000185267.9 | 0.676018834 | 1.472875608 | -1.051811871 |
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| AC087190.4 | ENSG00000263244.2 | 2.740804903 | 2.718768752 | 5.016403713 |
| AC110285.6 | ENSG00000275966.1 | -0.334552915 | 0.513677501 | 1.278941191 |
| SPTLC3 | ENSG00000172296.12 | -0.593907287 | 2.762323376 | -1.432731639 |
| AL035252.3 | ENSG00000277938.1 | 0.617229832 | 1.539772323 | -1.381646617 |
| MIR1914 | ENSG00000284433.1 | -1.781681513 | -1.355629078 | -1.47212538 |
| CYSRT1 | ENSG00000197191.4 | 0.929567531 | 1.599762105 | -0.369757676 |
| DNAJC19P5 | ENSG00000225808.1 | 1.031533225 | 0.427255691 | 2.068194506 |
| PCDHGB7 | ENSG00000254122.2 | -1.420649271 | -0.35854389 | 0.418534664 |
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| CDKL3 | ENSG00000006837.11 | 0.402530223 | -1.482429808 | 2.578543224 |
| MIR922 | ENSG00000284146.1 | -1.577711189 | -1.414937579 | -1.623625091 |
| AC009902.3 | ENSG00000272425.1 | -1.273035831 | -0.010296943 | 0.309266431 |
| PCDHB16 | ENSG00000272674.3 | 3.951152008 | -1.355772037 | 3.656164809 |
| AL359752.1 | ENSG00000261662.1 | 0.921356636 | -1.691692137 | 1.067265963 |
| AL390066.1 | ENSG00000224950.2 | 1.057593645 | 0.260536421 | -1.458612221 |
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| AL512408.1 | ENSG00000260063.1 | 1.047628317 | 0.091301481 | -1.642288746 |
| CETN4P | ENSG00000224786.2 | 0.040619313 | 0.253442549 | -0.112007666 |
| TMEM42 | ENSG00000169964.7 | 3.999768932 | 3.35229715 | 2.267204372 |
| PHF11 | ENSG00000136147.17 | 3.718860274 | 2.503690616 | 2.60817529 |
| ROCK1P1 | ENSG00000263006.6 | -1.388819773 | -0.444689609 | 0.529435961 |
| TMSB15B | ENSG00000158427.14 | 0.237361213 | 0.126823894 | 0.616724675 |
| RTL5 | ENSG00000242732.4 | 0.361885559 | 1.033017874 | -1.691748243 |
| AP001350.2 | ENSG00000280010.1 | 2.021291697 | -0.927055272 | 1.093187645 |
| RPL7P23 | ENSG00000244363.3 | 0.30442036 | -1.078482556 | -0.517660158 |
| MATN1-AS1 | ENSG00000186056.9 | 1.692241968 | 1.584129607 | -0.959160071 |
| NARF-IT1 | ENSG00000266236.1 | -0.513584349 | -0.218803094 | 0.447231711 |
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| NAPA-AS1 | ENSG00000268061.5 | 0.583473065 | -1.251588397 | -0.193001064 |
| BEND7 | ENSG00000165626.16 | 1.536686438 | 3.009061344 | 2.125003021 |
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| TTC28-AS1_2 | ENSG00000276150.1 | 0.639529784 | 0.301654483 | 1.327311634 |
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| AL109614.1 | ENSG00000276603.1 | -1.430369252 | 0.390323754 | 0.820639454 |
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| RN7SL608P | ENSG00000239884.3 | 0.507498474 | 1.163690302 | 1.244695884 |
| AC233728.1 | ENSG00000233250.1 | 0.711591897 | 0.684075121 | 0.602123767 |
| PNMA2 | ENSG00000240694.8 | -1.703438551 | 2.960666718 | 2.159406736 |
| AC091825.1 | ENSG00000280047.1 | -1.267390148 | -1.3455151 | -1.11759861 |
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| AC008764.8 | ENSG00000279529.1 | -0.604498445 | 1.002564467 | -0.213225353 |
| PLAG1 | ENSG00000181690.7 | 3.278334231 | 2.593588907 | -1.764902756 |
| AC092614.1 | ENSG00000227542.1 | -1.235267201 | -1.435602592 | -0.036447303 |
| AC012313.2 | ENSG00000268049.1 | 1.219023389 | 0.300048551 | -0.285531948 |
| AC110769.2 | ENSG00000270019.1 | -1.754191715 | -0.70663691 | -0.959748471 |
| ARNTL2 | ENSG00000029153.14 | 2.266395007 | 2.040868883 | 2.67301713 |
| AC008438.1 | ENSG00000249637.1 | 0.710626889 | 0.231459119 | -0.6888023 |
| GAS6 | ENSG00000183087.14 | 3.143478231 | 2.475587403 | 4.043951687 |
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| FHDC1 | ENSG00000137460.8 | 1.267396128 | 1.11769443 | 0.227427358 |
| STXBP2 | ENSG00000076944.15 | -1.446695178 | 5.584778169 | 2.097239263 |
| RNY3P15 | ENSG00000252106.2 | -1.487422882 | -1.441457116 | -1.539876257 |
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| TMEM38A | ENSG00000072954.6 | 2.572200945 | 3.151019509 | 0.633048071 |
| AL137077.2 | ENSG00000283078.1 | 0.812157947 | -0.970273808 | -0.182334958 |
| C11orf94 | ENSG00000234776.4 | 1.020679831 | -1.131178526 | -1.070877818 |
| MIR4751 | ENSG00000283842.1 | -1.602124139 | -1.632071092 | -1.723489412 |
| AC023908.3 | ENSG00000261136.1 | -0.367404623 | 0.123434246 | -0.351401497 |
| SNORD70 | ENSG00000212309.1 | 0.005742963 | -0.717645551 | -0.978777587 |
| ZNF763 | ENSG00000197054.11 | -0.14151926 | -1.20197738 | 0.066407279 |
| ELOVL7 | ENSG00000164181.13 | -1.177956946 | 4.546028819 | 5.02746289 |
| TMEM178B | ENSG00000261115.5 | 2.309206274 | -0.425559506 | 1.38183271 |
| RPL23P2 | ENSG00000176054.6 | -0.09502257 | 0.684296687 | 0.454613574 |
| ADAMTSL4-A | ENSG00000203804.4 | -0.123877505 | 0.097757024 | -1.60192185 |
| IRX6 | ENSG00000159387.7 | -0.467650679 | 3.208945267 | 3.764783932 |
| ZC2HC1C | ENSG00000119703.13 | -1.595841713 | 1.039606291 | 1.823656533 |
| MIR3198-2 | ENSG00000283803.1 | -1.682771278 | -1.886593836 | -1.850488171 |
| AL355802.2 | ENSG00000219470.1 | -0.686544756 | -1.230698201 | -0.830714599 |
| GPR162 | ENSG00000250510.7 | -0.764667358 | 0.652209037 | -1.216467822 |
| NRP1 | ENSG00000099250.17 | 5.360262923 | 3.393831261 | -0.067502534 |
| RASGRP3 | ENSG00000152689.17 | -1.834020233 | 2.297481084 | 4.799980061 |
| AC010980.1 | ENSG00000237732.9 | -0.765987802 | -0.864146315 | -1.023150832 |
| CDC42EP5 | ENSG00000167617.2 | 2.131633193 | 1.883794414 | 2.89308322 |
| RPL10P6 | ENSG00000230076.1 | 0.384222135 | -1.263823893 | -0.643853304 |
| SNORD102 | ENSG00000207500.1 | -1.461754756 | -1.470882583 | -1.7161338 |

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| MIR5587 | ENSG00000266124.1 | 0.895903289 | -0.226297804 | 2.201678882 |
| AC008610.1 | ENSG00000248367.1 | -0.005516372 | -0.305924723 | 0.599780702 |
| PPP3CB-AS1 | ENSG00000221817.9 | 2.090412548 | 1.14591346 | -0.366362793 |
| AC009237.15 | ENSG00000273305.1 | 0.705507045 | -0.77160132 | 1.722258441 |
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| EMG1 | ENSG00000268439.5 | 1.864678956 | 1.540227004 | 0.106424059 |
| IQGAP2 | ENSG00000145703.15 | 1.416052303 | -1.527916339 | 1.896036753 |
| AC027309.2 | ENSG00000253683.1 | 0.576695228 | 0.070866384 | -1.250109831 |
| SPTBN2 | ENSG00000173898.11 | 5.201016176 | 4.205494773 | 4.378441835 |
| AL662797.3 | ENSG00000272540.1 | 0.611015057 | 0.51522991 | -1.335347509 |
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| LINC02018 | ENSG00000272690.5 | 0.560729383 | -0.948161056 | -0.807453678 |
| Metazoa_SRF | ENSG00000277578.1 | -1.545612469 | -1.774155271 | -1.992992095 |
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| AP000526.1 | ENSG00000271127.1 | -0.209105279 | 0.243404699 | -1.261226521 |
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| UXT-AS1 | ENSG00000267064.1 | -0.742871179 | 0.320969125 | -0.407541114 |
| RPL7AP50 | ENSG00000213609.3 | 1.045600008 | 0.42464714 | -1.470248429 |
| SNORD51 | ENSG00000207047.2 | 0.305483299 | 0.586317455 | -0.54220391 |
| PMS2P6 | ENSG00000174384.9 | -0.033509049 | -0.266428518 | -0.264610171 |
| RFTN1 | ENSG00000131378.13 | 2.732355871 | 4.117288548 | -1.579801782 |
| GLIDR | ENSG00000278175.3 | 1.440647947 | 0.302689031 | -1.580148791 |
| CASP10 | ENSG00000003400.14 | 2.335566651 | 3.030541963 | 4.597350041 |
| TCF7 | ENSG00000081059.19 | 1.618669014 | 1.49196322 | 4.741946284 |
| ZNF582 | ENSG00000018869.16 | 1.455560714 | 0.771979998 | 0.900950841 |
| AC011461.1 | ENSG00000267197.1 | -0.113752447 | 0.057279821 | -0.158771129 |
| LINC01234 | ENSG00000249550.6 | 4.769552574 | 4.460288456 | 1.21590208 |
| AL031848.2 | ENSG00000271746.1 | -1.022084454 | -0.238849514 | -1.070274093 |
| Z97832.2 | ENSG00000272374.1 | -1.500439774 | -0.526299825 | -0.039862421 |
| AL669831.4 | ENSG00000230092.7 | 0.794740252 | 0.666809409 | 0.677370904 |
| TCEA1P2 | ENSG00000230409.3 | -0.17004306 | 0.078597578 | 0.54930271 |
| MYB | ENSG00000118513.18 | 1.651054263 | 1.137917347 | -1.703124514 |
| ACTG1P20 | ENSG00000241547.1 | 2.059280267 | -0.625731251 | -1.115170961 |
| AC068620.2 | ENSG00000269921.1 | 0.775759445 | 0.216420857 | 0.228904514 |
| Y_RNA | ENSG00000201217.1 | 0.146867612 | 0.955523906 | -0.252562155 |
| CHN2 | ENSG00000106069.21 | 1.608925196 | 3.428116799 | 6.743245112 |
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| GPR160 | ENSG00000173890.16 | 0.337024568 | 3.827724439 | 2.510387796 |
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| ATP10B | ENSG00000118322.12 | 3.020870019 | 2.527959265 | -1.167344931 |
| AC020898.1 | ENSG00000213757.3 | -0.661651108 | -1.123097949 | -1.276051025 |
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| LINC01023 | ENSG00000272523.1 | 1.150075904 | -0.346201141 | 1.701512109 |
| NP1PB11 | ENSG00000254206.5 | 0.014785016 | -1.02008372 | -0.203184534 |
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| RN7SKP269 | ENSG00000202415.1 | 1.021447868 | 0.071053289 | -0.870620712 |
| ZNF575 | ENSG00000176472.10 | 1.975457592 | 0.233641959 | 2.052910072 |
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| AL365181.3 | ENSG00000272405.1 | 6.048801905 | 1.253626468 | -1.413153413 |
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| AC020910.5 | ENSG00000279329.1 | 1.363411903 | 0.959114751 | -0.559765378 |
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| AL450003.2 | ENSG00000234779.1 | 1.484797634 | -0.457802824 | -0.875332604 |
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| AL357140.2 | ENSG00000228150.1 | 0.321888369 | 1.040494425 | -0.326859453 |
| AC093010.3 | ENSG00000259976.3 | 0.734951543 | -1.421663482 | 2.030789952 |
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| MAP6D1 | ENSG00000180834.7 | 0.130252745 | 2.992711421 | 2.604572274 |
| RPS13P2 | ENSG00000228929.1 | 0.131345379 | -0.556112182 | -0.53530379 |
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| C6orf52 | ENSG00000137434.11 | 0.050006287 | -1.374461473 | 0.780579029 |
| AP000487.1 | ENSG00000246889.2 | 0.496044561 | 0.198825185 | 0.61983022 |
| GNB3 | ENSG00000111664.10 | 2.238501081 | 2.030450335 | -0.531408938 |
| PDLIM1P4 | ENSG00000249274.1 | -0.233174556 | 2.180963704 | 3.541436912 |
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| CHRNA10 | ENSG00000129749.3 | -1.167028418 | -1.203037421 | -0.423312258 |
| JMJD1C-AS1 | ENSG00000272767.1 | -1.555819461 | -1.404923247 | -1.590187885 |
| COL4A1 | ENSG00000187498.14 | 7.7860434 | 6.563168783 | -1.269077963 |
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| C2orf82 | ENSG00000182600.9 | -0.745084286 | 1.578417917 | 0.045588405 |
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| SRRM3 | ENSG00000177679.15 | 3.027492938 | 4.799565835 | 3.109112038 |
| ITGB4 | ENSG00000132470.13 | -0.737188192 | 0.099818853 | 0.747215345 |
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| SAP30L-AS1 | ENSG00000245275.7 | -0.245388471 | -0.181555956 | 0.494212522 |
| ZNF626 | ENSG00000188171.15 | 3.086153555 | 2.609049102 | -1.552486462 |
| TSNAXIP1 | ENSG00000102904.14 | -0.633385168 | -0.983261831 | -0.091523677 |
| TAS2R15P | ENSG00000212125.2 | -1.895511091 | -0.986101714 | 1.183396323 |
| TPI1P1 | ENSG00000226415.1 | 0.290581673 | -0.864419477 | -1.071969067 |
| AC108673.3 | ENSG00000273437.1 | 0.256030028 | -0.202631387 | 0.026841743 |
| AC011979.1 | ENSG00000239470.3 | 0.793842858 | -0.250814724 | -0.831603419 |
| AC026691.1 | ENSG00000270021.1 | -0.698346587 | -0.249060289 | 0.386623741 |
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| AC084824.1 | ENSG00000257511.1 | -0.704256896 | -1.449306752 | -0.923111046 |
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| AC023055.1 | ENSG00000257390.5 | 4.162380501 | 0.126465749 | 0.599883811 |
| B4GALNT3 | ENSG00000139044.10 | 2.148551381 | 2.328041368 | 5.456704994 |
| HIST2H2AC | ENSG00000184260.5 | 2.342022213 | 1.781793928 | -1.586908128 |
| CISH | ENSG00000114737.15 | -1.429987312 | 1.867334778 | 0.731215493 |
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| HNRNPUL2-B | ENSG00000234857.2 | 3.111495841 | 1.81562824 | -0.803043482 |
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| EIF1B-AS1 | ENSG00000280739.2 | -1.560759373 | -0.929975015 | -0.906182535 |
| AC139530.3 | ENSG00000275902.1 | -0.889073649 | -0.398332011 | -0.970605662 |
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| AC124319.2 | ENSG00000263069.5 | -0.541135831 | -1.136175842 | 0.632302401 |
| IPO5P1 | ENSG00000269837.1 | 3.260087363 | 1.501506853 | 0.671334313 |
| PMS2P5 | ENSG00000123965.13 | 1.790252409 | 1.604706308 | 3.226617331 |
| AC096642.1 | ENSG00000277007.1 | -1.067497593 | -1.662130197 | -0.771160946 |
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| COL5A2 | ENSG00000204262.11 | 5.243503144 | 5.12328793 | 0.201438802 |
| NPPA-AS1_3 | ENSG00000275915.1 | -0.102552381 | 0.353030474 | 0.858797049 |
| AC021755.3 | ENSG00000259584.1 | -1.108079034 | -1.048017894 | 0.739467115 |
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| AC067750.1 | ENSG00000272631.1 | -0.121349977 | -0.960811362 | -1.013283502 |
| LCP2 | ENSG00000043462.11 | 1.409109187 | 5.784410767 | 5.95412357 |
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| AC078785.1 | ENSG00000240057.5 | 0.353365995 | -0.074464332 | 0.506564632 |
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| SDCBP2 | ENSG00000125775.14 | 0.550997874 | 1.813109732 | -0.378867884 |
| KCNK2 | ENSG00000082482.13 | -0.833546675 | -1.547574502 | -1.838594686 |
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| AL732372.2 | ENSG00000237094.12 | 1.873188543 | 1.492148836 | 0.564374488 |
| NPW | ENSG00000183971.6 | -0.214301355 | 0.019881791 | -0.091272826 |
| FBXO15 | ENSG00000141665.11 | -0.773922104 | -0.293894366 | 0.827896002 |
| SHB | ENSG00000107338.9 | 4.891149122 | 4.041576202 | 2.391979754 |
| AL163051.1 | ENSG00000260806.1 | -0.061485885 | -0.017766081 | -1.792504425 |
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| AC124016.2 | ENSG00000273156.1 | -0.281757965 | -0.963281355 | -1.260670056 |
| CCDC146 | ENSG00000135205.14 | -1.211059294 | 1.086211461 | 0.935388041 |
| PHOSPHO1 | ENSG00000173868.11 | -0.317850317 | 0.329294569 | -1.176097677 |
| SCARNA22 | ENSG00000249784.1 | 2.681311017 | -0.174563814 | -0.146378929 |
| AL031719.2 | ENSG00000280231.1 | 0.357719536 | -1.751300887 | 2.050361477 |
| SEMA3D | ENSG00000153993.13 | 2.280983727 | -1.726357847 | 2.946665208 |
| AC005005.3 | ENSG00000273387.1 | 0.789312887 | 2.168645874 | 0.853643991 |
| AP000866.6 | ENSG00000279342.2 | 0.051773056 | -0.833890166 | -0.850337537 |
| INPP5J | ENSG00000185133.13 | 1.134902292 | -1.539542928 | 0.045502128 |
| AC079305.1 | ENSG00000222043.2 | -1.366351273 | 0.069580662 | 0.007490551 |
| LCMT1-AS1 | ENSG00000260448.5 | 0.408532688 | 0.019098182 | 0.178729839 |
| MAP3K7CL | ENSG00000156265.15 | 0.22755117 | 1.530822348 | 1.34490269 |
| AC011499.1 | ENSG00000267157.1 | -0.309068805 | -1.003515239 | -0.683142483 |
| MIR3605 | ENSG00000284154.1 | 1.869259169 | 0.014818804 | 1.213296322 |
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| AC080080.1 | ENSG00000279048.1 | -1.544652068 | -0.351232955 | -0.583803702 |
| KCNG1 | ENSG00000026559.13 | 5.783956362 | 3.94981465 | -0.865860666 |
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| AC022558.1 | ENSG00000259767.1 | -0.879421831 | -0.980648154 | -1.078900361 |
| AL355032.1 | ENSG00000241494.1 | 0.086809574 | -1.399377375 | -0.781753309 |
| AC008622.2 | ENSG00000275719.1 | 1.006363324 | -0.416780651 | 2.179438326 |
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| AC156455.1 | ENSG00000256546.1 | -0.095314416 | 0.846607536 | 2.179196207 |
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| AC006001.4 | ENSG00000275400.1 | -1.721718912 | -1.443249599 | -2.142524591 |
| TIGD4 | ENSG00000169989.2 | 0.897250268 | 0.670030012 | 1.509229883 |
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| AL356299.2 | ENSG00000272945.1 | 0.268509074 | 0.331874076 | -0.744182016 |
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| TNFSF13 | ENSG00000161955.16 | -1.522853885 | -0.888673804 | 3.385991826 |
| PAQR7 | ENSG00000182749.5 | 3.84357165 | 3.109940181 | 3.858678228 |
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| CEP295NL | ENSG00000178404.9 | -1.287068095 | -0.10226564 | 0.648649054 |
| SSSCA1-AS1 | ENSG00000260233.3 | 0.444451507 | 0.838349735 | 1.008708207 |
| AL391825.1 | ENSG00000229808.1 | 1.656007916 | 1.465501954 | 0.589941464 |
| ZCCHC18 | ENSG00000166707.10 | -0.19839915 | -0.890440435 | -1.451336008 |
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| AL645940.1 | ENSG00000272217.1 | 1.091979981 | -0.32096678 | -0.245952445 |
| FTH1P7 | ENSG00000232187.1 | -1.134638937 | -1.294833648 | -0.744028901 |
| AC099522.2 | ENSG00000272525.1 | 1.908882831 | -0.663886127 | 1.231971452 |
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| HIST2H2BC | ENSG00000203819.6 | 0.69495486 | 0.652171755 | -1.254936466 |

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| FUT8-AS1 | ENSG00000276116.2 | 0.932629998 | -0.83643941 | -1.028268292 |
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| AL121772.1 | ENSG00000274414.1 | 2.993171432 | -0.319979236 | -1.804361741 |
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| RTCA-AS1 | ENSG00000224616.1 | 0.515812453 | 0.788307782 | -1.041712432 |
| FMR1-IT1 | ENSG00000236337.1 | -0.955825764 | 0.632926755 | -0.205002846 |
| SATB1 | ENSG00000182568.16 | 2.766150629 | 3.885118749 | 4.052933271 |
| U73166.1 | ENSG00000230454.1 | 1.834291115 | -0.268291805 | -1.954655485 |
| SNORA7B | ENSG00000207088.1 | 1.592443659 | 2.120841342 | -0.06351857 |
| AC007637.1 | ENSG00000256139.2 | -0.976018093 | 1.262278393 | -0.037177585 |
| FAHD2CP | ENSG00000231584.8 | 1.24368025 | 2.927629163 | 1.92058285 |
| AL138759.1 | ENSG00000244332.1 | 3.516290109 | 2.211660152 | -0.361890419 |
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| GNL3LP1 | ENSG00000215032.2 | 0.791611951 | 0.321966836 | 1.189938228 |
| AC009078.3 | ENSG00000280152.1 | -1.929984819 | -1.29040653 | -1.596480798 |
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| AC009309.1 | ENSG00000273080.1 | 1.866974954 | 1.322176166 | -0.411942989 |
| AC136632.1 | ENSG00000218227.3 | 0.086538106 | -0.876603351 | 0.029868406 |
| ZDHHC2 | ENSG00000104219.12 | 3.3370641 | 2.30890398 | 4.781898513 |
| AC022893.1 | ENSG00000253636.1 | -0.300010316 | -1.462763508 | -1.743773061 |
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| AC084824.4 | ENSG00000275854.1 | -0.82781366 | -0.128165952 | -0.399601031 |
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| TECRP1 | ENSG00000235043.3 | -0.303491699 | -0.974617901 | -0.103449235 |
| AC090004.1 | ENSG00000268279.4 | -0.386859356 | -0.287689729 | -1.053930391 |
| RASL11A | ENSG00000122035.6 | 1.800096866 | 0.373631941 | 0.298271724 |
| AC022150.4 | ENSG00000269825.1 | 3.008417034 | 1.772037337 | 2.924633066 |
| AC019205.3 | ENSG00000235174.1 | 1.911495855 | 0.490508652 | 1.296793411 |
| AC015712.6 | ENSG00000272808.3 | 0.828344498 | -1.998082661 | 2.838670949 |
| AC067931.2 | ENSG00000280303.2 | 0.957336272 | -1.55204128 | -2.208960702 |
| HCG25 | ENSG00000232940.5 | 1.409176046 | 0.355939502 | 1.839253277 |
| AC006111.2 | ENSG00000263235.1 | 2.0559078 | -0.426666822 | -1.688052377 |
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| AC127459.1 | ENSG00000260566.2 | 0.139720437 | -0.104545038 | 0.656169488 |
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| CEP83-AS1 | ENSG00000278916.1 | -0.68936874 | -0.421645265 | -1.24396939 |
| AC024909.3 | ENSG00000274021.1 | 0.085176282 | 1.151689119 | -1.718516799 |
| MORF4L2-AS1 | ENSG00000231154.1 | -1.966535026 | -1.381922483 | -1.418182605 |
| BCO2 | ENSG00000197580.11 | -1.637678242 | 0.827484425 | 0.819210704 |
| AC108673.2 | ENSG00000273174.1 | 0.138020591 | -1.337139593 | 0.195210556 |
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| LENG9 | ENSG00000275183.1 | 3.492516974 | 2.600191167 | -1.926337506 |
| ST20-MTHFS | ENSG00000259332.3 | 0.891764807 | 2.562328383 | 1.477372342 |
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| RUSC1-AS1 | ENSG00000225855.6 | 1.919446888 | 0.859903283 | 0.40747868 |
| PDIA3P2 | ENSG00000224677.1 | 0.719958082 | -0.196513797 | -1.304548324 |
| FAM169A | ENSG00000198780.11 | 3.417846754 | 1.419076184 | 3.376994591 |
| PSPC1P1 | ENSG00000227879.2 | -0.231212217 | -0.285174976 | -1.425247574 |
| NRTN | ENSG00000171119.2 | 1.716884689 | 2.482896069 | 2.966908542 |
| C14orf37 | ENSG00000139971.15 | -1.27860109 | 2.679578066 | 2.785568924 |
| FIRRE | ENSG00000213468.5 | 1.168957002 | 1.497042132 | -1.054079104 |
| uc_338 | ENSG00000274420.1 | -1.201143612 | -1.98834179 | -2.079029531 |
| ACBD7 | ENSG00000176244.6 | 1.802111925 | -1.175753001 | -0.212963584 |
| AC004839.1 | ENSG00000272854.1 | 0.069009638 | -0.894757936 | -1.680145573 |
| ASLP1 | ENSG00000244723.3 | -0.864955082 | 0.204634072 | -0.413625582 |
| AC073389.1 | ENSG00000268584.1 | 0.355106452 | -1.134722663 | -0.58904342 |
| HIST1H2BL | ENSG00000185130.5 | -1.018088771 | -1.05418106 | -1.619253551 |
| ADNP-AS1 | ENSG00000259456.3 | -1.147385174 | -0.755095654 | -1.290010039 |
| CRISPLD1 | ENSG00000121005.8 | 3.7154317 | 4.038322522 | 3.53449913 |
| AC073352.1 | ENSG00000272662.1 | -0.47200234 | -0.943603926 | -1.923716801 |
| AC138393.3 | ENSG00000278467.1 | 0.831463354 | -0.253094839 | -1.430030828 |
| AC013394.1 | ENSG00000279765.3 | 0.133274836 | -1.014899761 | 1.019884654 |
| AL365434.2 | ENSG00000273124.1 | 2.666115527 | -1.299337062 | -1.16365756 |
| AC017083.2 | ENSG00000273064.1 | -1.091446024 | -0.218928378 | -1.453987374 |
| AC021945.1 | ENSG00000279347.1 | 0.399825522 | -0.861917402 | -1.997728331 |
| NDUFA4L2 | ENSG00000185633.10 | 2.00347578 | 0.216842117 | 2.098274171 |
| IQCH-AS1 | ENSG00000259673.5 | 1.843508157 | -0.754601043 | 1.52006214 |
| LINC02021 | ENSG00000249846.6 | -0.283012627 | 0.668179486 | -0.597370595 |
| SLC9A7 | ENSG00000065923.9 | 2.917249118 | 2.935812113 | 3.083292493 |
| ZEB1 | ENSG00000148516.21 | 4.25287843 | 0.544063544 | 3.357407683 |
| RNA5SP244 | ENSG00000212238.1 | -1.49773729 | -1.860245687 | -1.91303586 |
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| KCNJ2 | ENSG00000123700.4 | -0.040979617 | -1.047129159 | -0.335994468 |
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| C1QTNF3 | ENSG00000082196.20 | 0.971497978 | -0.737496639 | 0.090232414 |
| C7orf61 | ENSG00000185955.4 | -0.797210906 | -0.753210758 | -1.24041603 |

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| SNORD14B | ENSG00000201403.1 | -1.80133586 | -1.914953286 | -2.066917768 |
| ENO1-IT1 | ENSG00000236269.1 | 0.068776011 | -0.266091529 | -0.11761682 |
| SUSD5 | ENSG00000173705.8 | 4.194248743 | 0.698515595 | 1.896810054 |
| CLDND2 | ENSG00000160318.6 | 2.154883718 | 0.078273207 | -1.007011113 |
| AC073107.1 | ENSG00000272693.3 | -1.299614009 | -0.864860601 | -2.065154373 |
| FAM72C | ENSG00000263513.5 | 2.175330477 | 0.76817818 | -1.25140498 |
| AC099343.2 | ENSG00000270426.1 | -1.476912839 | -0.998873796 | -0.956043605 |
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| SLC26A4 | ENSG00000091137.11 | -0.72830811 | 0.205896289 | 1.907509213 |
| AC241585.3 | ENSG00000281571.2 | 0.372707725 | 0.903485033 | -1.161824954 |
| NBPF25P | ENSG00000272150.5 | -0.984800604 | -0.361967171 | -1.445837322 |
| METTL7A | ENSG00000185432.11 | 1.715110197 | -1.840598422 | 2.520846169 |
| AC005329.1 | ENSG00000248015.6 | 0.902045891 | -0.368749213 | -1.049384553 |
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| AC010894.2 | ENSG00000226853.2 | 1.041685565 | 1.565329481 | 1.615828503 |
| AC027612.3 | ENSG00000232531.3 | -0.920207923 | -1.963549503 | -0.942345593 |
| AC009118.3 | ENSG00000276259.1 | 1.46175631 | -1.063983414 | -0.58589229 |
| RNU6-312P | ENSG00000201499.1 | -0.366490251 | 0.281531726 | 0.095733602 |
| LOXL2 | ENSG00000134013.15 | 6.3764687 | 2.815007143 | -1.864084731 |
| AC016629.1 | ENSG00000268784.1 | -1.613708684 | -1.741768828 | -1.810628994 |
| uc_338 | ENSG00000274051.1 | -0.345943089 | 0.976467255 | 0.358305215 |
| CCDC17 | ENSG00000159588.14 | -1.119972945 | -0.153285565 | -2.263146887 |
| AL356056.2 | ENSG00000231187.2 | 0.825481074 | -0.669696363 | -0.415558947 |
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| LINC01232 | ENSG00000280734.2 | 2.469227574 | -1.220345305 | 0.163149316 |
| PRKAG2-AS1 | ENSG00000239911.2 | 0.311809485 | 2.347951594 | 0.455847603 |
| DLG2 | ENSG00000150672.16 | 1.647436673 | -0.959846003 | 1.186832116 |
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| ADSSL1 | ENSG00000185100.10 | 1.550106967 | 2.719899969 | -1.803124034 |
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| AC018553.1 | ENSG00000277559.1 | 2.58170689 | 1.61602431 | 2.593901975 |
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| KIAA1456 | ENSG00000250305.8 | -2.409122565 | 3.150434936 | 3.329257993 |
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| RNU1-103P | ENSG00000252311.1 | -1.460365175 | 0.501536668 | 0.895029557 |
| AF129408.1 | ENSG00000272991.1 | -1.502939641 | -0.660726855 | -1.19864519 |
| CDK20 | ENSG00000156345.17 | 2.759835471 | 3.05134743 | 1.905738421 |
| SLC23A3 | ENSG00000213901.10 | -1.307291145 | 0.80000572 | 1.811233785 |
| AC006213.1 | ENSG00000266921.1 | -1.246409655 | -2.47082551 | -1.085591126 |
| RIMS3 | ENSG00000117016.9 | -1.819679438 | 0.017354143 | 3.014454708 |
| AC130650.2 | ENSG00000276564.1 | -1.287358266 | -0.542904579 | -0.059565904 |
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| AC009269.5 | ENSG00000259744.1 | -0.49784156 | -1.346335792 | 0.2089658 |
| AC025283.2 | ENSG00000262621.4 | -0.421527764 | 0.529926777 | 0.815879314 |
| SPOCD1 | ENSG00000134668.12 | 3.647214411 | 2.395367141 | -2.315578932 |
| DTX2P1 | ENSG00000186704.9 | -2.464618945 | 0.58096934 | 0.879101572 |
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| AC074212.1 | ENSG00000259605.3 | 0.203648932 | -0.052071079 | -1.559404358 |
| HNRNPA3P12 | ENSG00000219102.3 | -1.609393956 | -1.31035582 | -1.879399699 |
| NACAD | ENSG00000136274.8 | 0.07157132 | 1.684734574 | 1.492360549 |
| EGR2 | ENSG00000122877.15 | -0.906823857 | 2.426819543 | 2.424757101 |
| AL513477.1 | ENSG00000269896.2 | 1.38628984 | 1.858479157 | -2.329288471 |
| RPS20P14 | ENSG00000223803.1 | 0.143802302 | -2.083159334 | -0.98958542 |
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| EIF1AXP1 | ENSG00000236698.1 | 1.901088796 | -1.708877616 | -1.529052917 |
| AC025287.2 | ENSG00000276408.1 | 0.98390706 | -1.5376867 | 0.072866414 |
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| AC016876.3 | ENSG00000276384.1 | 1.181048056 | -1.102452012 | -0.137611194 |
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| AC006463.2 | ENSG00000235459.5 | -0.592169486 | -0.603166321 | -1.836625525 |
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| AC090616.7 | ENSG00000278867.1 | -1.636208854 | -1.297305873 | -0.23896306 |
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| SNORD118 | ENSG00000200463.1 | -1.61807638 | -2.218061177 | -2.843754012 |
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| LRRIQ3 | ENSG00000162620.15 | 0.373632216 | 0.05026041 | 0.013802903 |
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| UNC13D | ENSG00000092929.11 | -1.557110355 | -0.500396633 | 1.242559451 |
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| PCDHGA3 | ENSG00000254245.2 | 0.638594429 | -0.021372286 | -1.951395303 |
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| AC015909.5 | ENSG00000279792.1 | -1.703258676 | -1.666926564 | -1.259191936 |
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| GPX1 | ENSG00000233276.3 | 8.079464716 | 8.622443892 | 8.696591913 |
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| CYBA | ENSG00000051523.10 | 6.875393673 | 8.001929188 | 5.344462524 |
| AC114495.2 | ENSG00000229447.2 | 0.077288225 | -0.314785466 | -0.055357332 |
| AC004156.1 | ENSG00000267666.2 | -1.259244791 | 0.448133118 | -2.626924476 |
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| AC121761.2 | ENSG00000273987.1 | -1.789911307 | 0.803765469 | 1.497773505 |
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| AC079949.2 | ENSG00000278266.1 | 3.085546745 | 1.53361526 | -0.830414948 |
| AC107983.2 | ENSG00000273018.5 | 2.436272576 | -2.391183101 | 1.489584138 |
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| LINC00921 | ENSG00000281005.1 | -1.066445106 | -1.223312345 | -1.142750829 |
| AL138976.2 | ENSG00000259775.1 | -1.131371598 | 1.063051245 | -0.121142696 |
| GATM | ENSG00000171766.15 | -1.559451443 | 2.943971532 | 3.183178704 |
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| AC010331.1 | ENSG00000277383.1 | 0.151686783 | -0.447022907 | -1.063405871 |
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| ZNF582-AS1 | ENSG00000267454.5 | -0.087651823 | 0.531776355 | 0.394336366 |
| PCDH9 | ENSG00000184226.14 | 1.256348 | -3.137831478 | -1.142715535 |
| LMCD1-AS1 | ENSG00000227110.6 | 0.582608694 | 1.05448084 | 0.324541831 |
| VPS9D1-AS1 | ENSG00000261373.1 | 4.045758575 | 4.498799011 | -2.71425531 |
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| AC087294.1 | ENSG00000235530.6 | -0.730538435 | -0.892424872 | -1.090313051 |
| AP000692.2 | ENSG00000273199.1 | 0.201726439 | -1.335571856 | -2.822373996 |
| AL162171.1 | ENSG00000258789.1 | 0.624053763 | 0.045349108 | -0.971267306 |
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| SPON2 | ENSG00000159674.11 | 6.424378056 | 5.712204109 | 6.659414095 |
| NPAS3 | ENSG00000151322.18 | -0.779020858 | -1.395075565 | 0.982431675 |
| AC016027.1 | ENSG00000225335.3 | -0.448422263 | -1.750594026 | 0.705039834 |
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| AC106820.2 | ENSG00000259895.1 | -0.399169317 | -0.458120895 | -1.297017242 |
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| AL021878.2 | ENSG00000270083.1 | -0.529606068 | 2.214348299 | 0.88589671 |
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| Z93930.2 | ENSG00000226471.6 | -1.46741433 | 1.423751001 | 1.645250891 |
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| RPSAP26 | ENSG00000242735.1 | -0.09279074 | -1.312361861 | -0.502943954 |
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| AL596325.2 | ENSG00000272574.1 | -0.032901857 | -0.203414563 | -1.220101991 |
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| 7951_mRNA | HTB69_mRNA | SH4_mRNA |
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