Table 1. SOX11 negative correlated genes (correlation analysis based on 10490 TCGA RNA-seq samples)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IDX | Symbol | Correlation | Pvalue | Abs(Correlation) |
| 22238 | STAT6 | -0.33418 | 4.67E-272 | 0.334184 |
| 45894 | ZDHHC5 | -0.25582 | 2.19E-156 | 0.255817 |
| 57603 | CCNDBP1 | -0.25415 | 2.58E-154 | 0.254153 |
| 43301 | FAM120A | -0.25302 | 6.47E-153 | 0.253021 |
| 6449 | MYO1C | -0.25097 | 2.15E-150 | 0.250967 |
| 42829 | PIGB | -0.25006 | 2.71E-149 | 0.250064 |
| 13670 | TMBIM1 | -0.24271 | 1.72E-140 | 0.242708 |
| 9421 | SCAMP2 | -0.23981 | 4.19E-137 | 0.239809 |
| 35756 | TRIP4 | -0.23874 | 7.22E-136 | 0.238741 |
| 52893 | PSD4 | -0.23867 | 8.67E-136 | 0.238672 |
| 16383 | SP100 | -0.23737 | 2.77E-134 | 0.237366 |
| 50801 | RBM47 | -0.2368 | 1.24E-133 | 0.236796 |
| 38395 | NUMB | -0.23446 | 5.61E-131 | 0.234465 |
| 54457 | NT5DC1 | -0.23439 | 6.88E-131 | 0.234386 |
| 43845 | LTBR | -0.23245 | 1.03E-128 | 0.232454 |
| 32732 | MARVELD2 | -0.232 | 3.31E-128 | 0.232002 |
| 37767 | TRADD | -0.2316 | 9.27E-128 | 0.231602 |
| 34582 | RREB1 | -0.23123 | 2.39E-127 | 0.231233 |
| 1287 | CRB3 | -0.23115 | 3.00E-127 | 0.231145 |
| 46142 | ANXA11 | -0.22976 | 1.03E-125 | 0.229762 |
| 45748 | HEXB | -0.22873 | 1.41E-124 | 0.228733 |
| 40850 | NMRK1 | -0.22806 | 7.82E-124 | 0.228056 |
| 21834 | ARHGEF5 | -0.22729 | 5.34E-123 | 0.227294 |
| 52928 | PPCS | -0.225 | 1.66E-120 | 0.225003 |
| 36371 | TXNDC11 | -0.22486 | 2.36E-120 | 0.224861 |
| 52290 | CAST | -0.22462 | 4.26E-120 | 0.224623 |
| 37766 | MAPK13 | -0.22323 | 1.33E-118 | 0.223234 |
| 22501 | LRRFIP1 | -0.22286 | 3.31E-118 | 0.222865 |
| 49188 | MKNK2 | -0.22221 | 1.66E-117 | 0.222209 |
| 48042 | OSTF1 | -0.2219 | 3.58E-117 | 0.221896 |
| 32373 | DNASE1L1 | -0.22172 | 5.44E-117 | 0.221725 |
| 42422 | MVP | -0.22145 | 1.07E-116 | 0.22145 |
| 47768 | STXBP2 | -0.22132 | 1.48E-116 | 0.221317 |
| 24620 | EPS8L2 | -0.21878 | 7.04E-114 | 0.218779 |
| 5889 | ERP44 | -0.21739 | 1.99E-112 | 0.217391 |
| 27632 | ELMO3 | -0.21704 | 4.55E-112 | 0.217045 |
| 56757 | PSME1 | -0.21532 | 2.80E-110 | 0.215316 |
| 55895 | CD46 | -0.21445 | 2.18E-109 | 0.21445 |
| 4330 | COASY | -0.21428 | 3.29E-109 | 0.214275 |
| 23681 | PRRG2 | -0.21423 | 3.68E-109 | 0.214227 |
| 11524 | WHAMM | -0.21379 | 1.03E-108 | 0.21379 |
| 13084 | ANXA7 | -0.21359 | 1.64E-108 | 0.213592 |
| 38092 | PHF11 | -0.21348 | 2.12E-108 | 0.213484 |
| 1078 | EML2 | -0.21335 | 2.88E-108 | 0.213353 |
| 47264 | ILDR1 | -0.21297 | 7.11E-108 | 0.212968 |
| 56963 | DIAPH1 | -0.21295 | 7.43E-108 | 0.21295 |
| 26776 | DENND2D | -0.2109 | 8.83E-106 | 0.210901 |
| 42127 | ZBTB7A | -0.21062 | 1.68E-105 | 0.210623 |
| 13325 | HPS1 | -0.21018 | 4.65E-105 | 0.210183 |
| 31359 | ALG2 | -0.20865 | 1.57E-103 | 0.208653 |
| 50431 | KHNYN | -0.20849 | 2.30E-103 | 0.208488 |
| 42508 | BET1L | -0.20828 | 3.73E-103 | 0.208277 |
| 9488 | TMEM30B | -0.20809 | 5.71E-103 | 0.20809 |
| 19224 | CIB1 | -0.20806 | 6.14E-103 | 0.208059 |
| 14693 | CASP8 | -0.20754 | 2.00E-102 | 0.207541 |
| 40844 | RNF149 | -0.20746 | 2.42E-102 | 0.207457 |
| 41882 | TNK1 | -0.20635 | 2.98E-101 | 0.206353 |
| 40886 | PTPN3 | -0.2061 | 5.23E-101 | 0.206104 |
| 50480 | SH2D4A | -0.20584 | 9.48E-101 | 0.205841 |
| 9741 | IRF2 | -0.20524 | 3.65E-100 | 0.205244 |

Table 2. SOX11 positive correlated genes (correlation analysis based on 10490 TCGA RNA-seq samples)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Symbol | cor | pval | absCOR |
| 27814 | SOX11 | 1 | 0 | 1 |
| 48638 | GPC2 | 0.594285 | 0 | 0.594285 |
| 31920 | ATAT1 | 0.539696 | 0 | 0.539696 |
| 48623 | TUBB2B | 0.505869 | 0 | 0.505869 |
| 40639 | ZNF286B | 0.500896 | 0 | 0.500896 |
| 26199 | TRO | 0.495723 | 0 | 0.495723 |
| 7392 | DPYSL5 | 0.495443 | 0 | 0.495443 |
| 27523 | CRMP1 | 0.482324 | 0 | 0.482324 |
| 42947 | GAREM2 | 0.482145 | 0 | 0.482145 |
| 31821 | SALL3 | 0.477823 | 0 | 0.477823 |
| 15743 | DPF1 | 0.473077 | 0 | 0.473077 |
| 58778 | PURG | 0.472782 | 0 | 0.472782 |
| 57631 | OLIG2 | 0.472631 | 0 | 0.472631 |
| 44034 | GPR173 | 0.471688 | 0 | 0.471688 |
| 204 | NLGN2 | 0.469292 | 0 | 0.469292 |
| 39821 | NOVA1 | 0.468981 | 0 | 0.468981 |
| 31182 | CACNG7 | 0.465573 | 0 | 0.465573 |
| 42836 | DPYSL4 | 0.461255 | 0 | 0.461255 |
| 1682 | APBA2 | 0.461157 | 0 | 0.461157 |
| 46600 | C2orf80 | 0.45986 | 0 | 0.45986 |
| 46826 | AC006115.7 | 0.458284 | 0 | 0.458284 |
| 50837 | MKRN3 | 0.458197 | 0 | 0.458197 |
| 22046 | ZNF711 | 0.456367 | 0 | 0.456367 |
| 25482 | CCDC88A | 0.454628 | 0 | 0.454628 |
| 59658 | ZNF853 | 0.453261 | 0 | 0.453261 |
| 27238 | SRSF12 | 0.45195 | 0 | 0.45195 |
| 56366 | POU3F2 | 0.450548 | 0 | 0.450548 |
| 18310 | SLC35F1 | 0.450039 | 0 | 0.450039 |
| 3625 | QKI | 0.44847 | 0 | 0.44847 |
| 885 | NLGN3 | 0.448428 | 0 | 0.448428 |
| 4598 | PTPRZ1 | 0.448048 | 0 | 0.448048 |
| 13466 | C1orf61 | 0.447804 | 0 | 0.447804 |
| 16482 | OLIG1 | 0.447045 | 0 | 0.447045 |
| 49899 | TMEFF1 | 0.447026 | 0 | 0.447026 |
| 48781 | MARCKS | 0.446401 | 0 | 0.446401 |
| 57200 | MMP16 | 0.445902 | 0 | 0.445902 |
| 51020 | CSMD2 | 0.443753 | 0 | 0.443753 |
| 48903 | BCAN | 0.44329 | 0 | 0.44329 |
| 56336 | SLITRK2 | 0.442931 | 0 | 0.442931 |
| 21998 | DCLK2 | 0.442449 | 0 | 0.442449 |
| 45001 | WSCD1 | 0.440552 | 0 | 0.440552 |
| 51121 | MEX3A | 0.440074 | 0 | 0.440074 |
| 19635 | TUBA1A | 0.438503 | 0 | 0.438503 |
| 6954 | GPM6A | 0.437942 | 0 | 0.437942 |
| 59006 | CADM4 | 0.434289 | 0 | 0.434289 |
| 20249 | FAM131B | 0.433582 | 0 | 0.433582 |
| 22271 | ADGRL3 | 0.433209 | 0 | 0.433209 |
| 49620 | CRB1 | 0.433139 | 0 | 0.433139 |
| 30663 | CLIP2 | 0.432905 | 0 | 0.432905 |
| 11185 | TRIM9 | 0.431981 | 0 | 0.431981 |
| 21190 | NKAIN4 | 0.431922 | 0 | 0.431922 |
| 10699 | CSPG5 | 0.430499 | 0 | 0.430499 |
| 1656 | FXYD6 | 0.428496 | 0 | 0.428496 |
| 4965 | ARHGAP33 | 0.427085 | 0 | 0.427085 |
| 22607 | DSCAM | 0.427006 | 0 | 0.427006 |
| 26234 | DNAJC18 | 0.426878 | 0 | 0.426878 |
| 19400 | ARL10 | 0.426666 | 0 | 0.426666 |
| 4007 | GRID2 | 0.426639 | 0 | 0.426639 |
| 58038 | RFTN2 | 0.426285 | 0 | 0.426285 |
| 54142 | LINC00461 | 0.426245 | 0 | 0.426245 |
| 3580 | RP11-566E18.3 | 0.425017 | 0 | 0.425017 |
| 38912 | LHFPL3 | 0.424024 | 0 | 0.424024 |
| 18256 | GPSM1 | 0.423061 | 0 | 0.423061 |
| 9377 | SALL2 | 0.422581 | 0 | 0.422581 |
| 3012 | ASIC1 | 0.421372 | 0 | 0.421372 |
| 14186 | SYT11 | 0.420693 | 0 | 0.420693 |
| 10957 | RP11-629G13.1 | 0.420668 | 0 | 0.420668 |
| 2929 | FOXG1 | 0.420097 | 0 | 0.420097 |
| 52688 | SNTG1 | 0.419004 | 0 | 0.419004 |
| 3466 | ILDR2 | 0.418635 | 0 | 0.418635 |