

S1 Table: Predicted mRNA targets of miR-23a-3p

| Official Gene Symbol | Gene Name | Official Gene Symbol | Gene Name | Official Gene Symbol | Gene Name | Official Gene Symbol | Gene Name |
|-----------------------------|--|-----------------------------|---|-----------------------------|--|-----------------------------|--|
| BCLAF1 | BCL2-associated transcription factor 1 | ACTN2 | actinin alpha 2 | HNRPDL | heterogeneous nuclear ribonucleoprotein D-like | PKIA | protein kinase (cAMP-dependent, catalytic) inhibitor alpha |
| CTCF | CCCTC-binding factor (zinc finger protein) | ABT1 | activator of basal transcription 1 | IRS2 | insulin receptor substrate 2 | RXRG | retinoid X receptor gamma |
| CNOT2 | CCR4-NOT transcription complex, subunit 2 | ADNP | activity-dependent neuroprotector homeobox | IRF2 | interferon regulatory factor 2 | RNF10 | ring finger protein 10 |
| GPBP1 | GC-rich promoter binding protein 1 | ATRX | alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, <i>S. cerevisiae</i>) | LRPPRC | leucine-rich PPR-motif containing | RUNX1T1 | runt-related transcription factor 1; translocated to, 1 (cyclin D-related) |
| GZF1 | GDNF-inducible zinc finger protein 1 | AHR | aryl hydrocarbon receptor | KDM4A | lysine (K)-specific demethylase 4A | SAFB | scaffold attachment factor B |
| JAZF1 | JAZF zinc finger 1 | ARNT | aryl hydrocarbon receptor nuclear translocator | MED14 | mediator complex subunit 14 | H3F3B | similar to H3 histone, family 3B; similar to Zgc:56193; similar to H3 histone, family 3A; H3 histone, family 3B; similar to Histone H3.3; similar to histone 1, H2ai |
| KLF10 | Kruppel-like factor 10 | BLOC1S2 | biogenesis of lysosomal organelles complex-1, subunit 2 | MTERF | mitochondrial transcription termination factor | HMGN2 | similar to Nonhistone chromosomal protein HMG-17 (High-mobility group nucleosome binding domain 2); high mobility group nucleosomal binding |

| | | | | | | | |
|---------|---|---------|---|--------|---|---------|--|
| | | | | | | | domain 2 |
| MEIS2 | Meis homeobox 2 | BAZ2B | bromodomain adjacent to zinc finger domain, 2B | MAPK14 | mitogen activated protein kinase 14 | SSBP2 | single-stranded DNA binding protein 2 |
| PTK2B | PTK2B protein tyrosine kinase 2 beta | CCK | cholecystokinin | NFIB | nuclear factor I/B | SNCA | synuclein, alpha (non A4 component of amyloid precursor) |
| SKP1 | S-phase kinase-associated protein 1 | CBFA2T2 | core-binding factor, runt domain, alpha subunit 2, translocated to, 2 (human) | NCOA6 | nuclear receptor coactivator 6 | TERF2 | telomeric repeat binding factor 2 |
| SATB2 | SATB homeobox 2 | CCND1 | cyclin D1 | NPM1 | nucleophosmin (nucleolar phosphoprotein B23, numatrin) | TRAPPC2 | trafficking protein particle complex 2; sedlin-like |
| SRPK1 | SFRS protein kinase 1 | CCNL2 | cyclin L2 | OBFC2A | oligonucleotide/oligosacch aride-binding fold containing 2A | TSNAX | translin-associated factor X |
| SMAD3 | SMAD family member 3 | ETV1 | ets variant 1 | PEBP1 | phosphatidylethanolamine binding protein 1 | ZC3H8 | zinc finger CCCH type containing 8 |
| SMARCC1 | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1 | FGF2 | fibroblast growth factor 2 | PBRM1 | polybromo 1 | ZFR | zinc finger RNA binding protein |
| ANP32A | acidic (leucine-rich) nuclear phosphoprotein 32 family, member A | FOXK1 | forkhead box K1 | PDCD4 | programmed cell death 4 | ZBTB38 | zinc finger and BTB domain containing 38 |