Supplementary Information for

miR-302b-3p Promotes Self-Renewal Properties in Leukemia Inhibitory Factor-Withdrawn Embryonic Stem Cells

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| Human ortholog of target gene | Table S1: List of potential miR-302b-3p targets predicted by TargetScan |
|------------------------------|---------------------------------------------------------------------|
| ZNF800                       | TOX, MAP3K2, BCL6, HRNRNPUL2, OXR1, ZFPM2, HUWE1                   |
| TGFBR2                       | SUV39H1, COL17A1, EPHA4, MED12L, ZNF597, KLHL28, ZBTB11            |
| ZBTB5                        | LRT1, MFN2, ZNF2, RSRC2, TBC1D8B, C2CD2, SHC4                      |
| DDHD1                        | PLAGL2, TXNIP, RSBN1, FOXJ1, ANO6, PPP6C, BCL11B                  |
| FGD4                         | LEFTY2, TXPH5, IL28RA, ST3GAL1, ASH1L, ZBTB44, NEK9                |
| FBXL3                        | ZNF697, LEFTY1, CXADR, SLITRK3, PFKP, BCL11A, ARHGA29               |
| SYAP1                        | RASAL2, OLG2, SLC25A40, ATAD2, KLF3, ZBTB9, C1orf43               |
| LATS2                        | EDNRB, FZD3, SYDE1, MNT, UNK, YTHDF3, TSHZ3                       |
| ANKRKD32                     | DBR1, ITGB8, DPP8, SENP1, TMX1, CYBB, PRDM16                      |
| ELAVL2                       | ZNF3, ARHGEF17, KPN2, ACBD5, NRA2, MINK1, FBX011                   |
| HIF1AN                       | HIPIK3, RASSF2, FBL4, RNF6, C3orf18, APP, TSHZ2                    |
| PARP8                        | SYNC, PBX3, VSX1, PPP3R1, HCFC2, SLC16A12, MLL3                    |
| FMR1                         | ELK4, PK7, PRK16, TAP4P, MARCH8, POLE3, ESR1                      |
| IFR2BP2                      | MLLT6, REEP3, SAR1B, VLDLR, CROT, ADAMTS18, BAMB1                 |
| PHC3                         | TRIM36, ASF1B, ARID4A, CDK2AP2, PTGDR, SS18L1, FAM134C            |
| PCGF5                        | PRDM4, RGMA, C10orf140, MKNK2, RBMS2, FOXL2, GTDC1                |
| LHX6                         | WDR37, FGE9, REST, DNAJ2, RBL1, C5orf22, GLDN                     |
| LCORL                        | TEM123, LRP2, HMBOX1, CIRBP, UBE2Q2, TNRC18, ADAM9                |
| LCOR                         | GDF11, IRF9, IKZF2, C1orf9, TAPT1, TIA1, DIRC2                    |
| ZKSCAN1                      | CNOT6L, BTG1, MKRN1, C1orf95, DERL2, FOXJ3, FBXO10                 |
| ASF1A                        | FYCO1, PX5, RRAGD, ECT2, C1orf43, ROHC, C1orf17                   |
| AK2                          | FOSB, ITFG1, LAMA3, TET1, ZFX, COMMDD9, PAX6                      |
| BRP44L                       | WDR20, ISM2, ZFYVE26, E2F5, HLF, JRKL, CORO2B                    |
| NR2C2                        | RSBN1L, ASAP1, RPS6KA3, MTMR3, ZNFX1, ZNF148, SLC16A9             |
| GOLGA1                       | CLIP4, KAT2B, SLAIN2, RYR2, STXBP5L, SDC1, TOX3                   |
| ZNF367                       | ARNT2, EPHA5, SMAD2, NR2C1, MYCN, LCLAT1, LHX8                   |
| CDKNA1                       | SASS6, USP24, RGM2, C16orf72, TMUB2, NETO1, TAO2                 |
| ARID4B                       | TWF1, CELF2, TRIP11, SLC6A9, SPOP, RPS6KA1, NT4                   |
| CRIM1                        | NFIB, ATF6B, INTS6, DCAF7, PGBD5, CCN3, LUC7L2                    |
| E2F2                         | TIPARP, ITGB3, F3, NPSA3, POLQ, C1orf99, CNOT6                   |
| UBE2B                        | MCCD1, USP53, HS3ST4, POLK, GRP146, TBC1D20, SIK1                 |
| RAB22A                       | MBD2, SSR1, UNC80, PIIP4K2A, KIAA0026, MEF2C, RTN1                |
| PRDM8                        | ACSL6, A2LD1, USP42, TMCC1, NKK3-2, CRTC2, DMTF1                  |
| TMEM170B                     | CALM1, C1orf30, SRSF12, NRA43, PCDH7, POU6F1, ACTR8               |
| PTCCHD1                      | FAM57A, MTUS1, CFL2, PLEKHA3, PHLPP2, TLE4, YOD1                 |
| DOCK2                        | CYP26B1, E2F7, KIAA1737, IPO7, STSIA2, TP53INP1, FGD5             |
| KIAA1549                     | RALGDS, DENDN5B, RB1CC1, UBE2W, SLC22A23, TNFAIP1, PTPN21         |
| SETBP1                       | PRGR1, GPR6, RAB11FIP5, ARL4C, ERBB4, SMARCC2, ASXL2             |
| WDR1                         | NFA, BCAP29, IRF2, ARHGEF10, ABCA1, LEF1, MRPS25                 |
| NCOA7                        | ZNF22, SCN5A, HOXB13, DUSP2, RELL1, MAL2, MPP24                   |
| Human ortholog of target gene                          |
|--------------------------------------------------------|
| QSER1        | SLC40A1        | CUX1        | ORMDL3        | CHN2        | TCF20        | KDM2A        | ZDHHC9       |
| IRAK2        | DRD1           | KCNMA1      | FOXJ2         | JOSD1       | FAM78A       | SPRED1       | YPEL2        |
| TANC2        | ANKRBD13C      | RDBP        | FDNC3A        | TESK2       | KLF13        | KDM2A        | GPC6         |
| KIAA1522     | INO80          | GPR137C     | CCND2         | UBE3A       | TRHDE        | SPRED1       | ACPL2        |
| FOXL2        | TNKS2          | MFAP3L      | DAZAP2        | RAD18       | MAP1B        | APBB2        | SIRPA        |
| NECAP1       | OSTM1          | RAB5C       | ZNF385A       | PHF6        | ANKRBD54     | AEBP2        | SCRT2        |
| AAK1         | ERH1           | HRNRPUL1    | C10orf43      | NRARP       | PPP188A      | PLXNA1       | FAM102A      |
| RHAV         | RGL1           | C10orf12    | AKT1          | HIVEP2      | THSD7A       | TNS1         | PO2F1        |
| TRIM8        | LMO3           | ZBTB41      | PCBP3         | CAMTA2      | TCEB3        | ZRANB1       | SYNRC        |
| TOB2         | NFATC3         | RBM33       | GFAP          | INHBB       | CAMTA1       | IGF2BP1      | FAM155B      |
| CUL3         | CASC4          | SSX2IP      | SIPA1L3       | ARX         | MLL          | ZCCHC24      | ST8SIA3      |
| MTF1         | ARHGEF18       | WDR45       | SNRK          | SNX21       | HDAC4        | NUFIP2       | PRRX1        |
| TARDBP       | ITGB4          | KIF3B       | PLAG1         | ATXN1       | TMEM64       | FAM168B      | BEND4        |
| TET3         | TSLP           | PFN2        | KLHL18        | TP63        | ZNF238       | HIC2         | ZMYND11      |
| EZH2         | RECK           | FAMIL17A    | TRIM2         | PHACTR4     | TP531NP2     | PK2          | TNR6C8B      |
| KIF26B       | EIF4B          | DSN1        | KIAA1267      | EPHA7       | PHYHIPL      | SBNO1        | AGAP2        |
| CRK          | MBNL2          | MCL1        | GLIS3         | TBC1D30     | KLF12        | RICTOR       | SBF1         |
| FAM73B       | ATXN7L1        | SLC2A4      | KPN1          | ZBTB47      | ZBTB7A       | AGPS         | PTPRD        |
| MAP3K14      | RNF216         | JAZF1       | AN4PC16       | ZBTB43      | CYB561D1     | PDS3         | ZMYM2        |
| SRCIN1       | ACER3          | ZDHHC8      | ERO1LB        | MARK2       | FAMIL7B      | INO80D       | SYT9         |
| UBEZJ1       | MYT1L          | CC2D1A      | TET2          | ALDH1L2     | PARVA        | MBNL3        | ACFR1C       |
| ZNF518A      | NF1A           | DYSPL5      | CPEB2         | AKTIP       | PPP11R0      | KCNA1        | PIK3R3       |
| NAPREPLD     | DPP3           | SLC25A27    | ZNF507        | LARP4       | IP6K1        | NNAI         | MAML1        |
| STK38L       | ZNF362         | WFSI        | EIF2C1        | FRMD4A      | FAM46C       | LIF          | SLC35F2      |
| LRP8         | ZNF521B        | CCDC88A     | MAP3K11       | DCUN1D1     | C5orf41      | TBCEL        | SLC24A2      |
| ZC3H12C      | C1orf173       | PTP4A1      | KREMEM1       | GATAD2B     | ZFP91        | CREB5        | RNF38        |
| MAP3K1       | PKN2           | ATP2C1      | TTC9          | FBXO41      | PPARG1B      | SNX30        | PAN3         |
| ARHGEF7      | RORB           | AKAP6       | ATG7          | ARHGAP24    | BCL2L11      | RORA         | SEC62        |
| MAST3        | GB5N           | HAUS6       | CCND1         | WEE1        | GRHL2        | ALX4         | ANKRBD13B    |
| ABHD3        | RAB6A          | LMX1A       | BAHDI         | ZNF436      | LYPD6        | FEM1C        | CDH6         |
| SNX5         | DGKE           | TUSC2       | METAP1        | VEGFA       | HIP1         | RAB11FIP1    | UB2N         |
| P2RX4        | CTSV           | NR2F2       | ANKRBD52      | OSBPL5      | CADM2        | RUNX1        | HN1          |
| BRMS1L       | RAPGEFL1       | DKK1        | CDK6          | UHRF1BP1    | VPS53        | ATP2B2       | TRPS1        |
| ZNF213       | TOR1B          | MSL1        | H2SST1        | TAL1        | RAD23B       | TNRC6C       | UBF1D1       |
| MKLN1        | ALKBH5         | ULK1        | CDK2          | GIGYF1      | UBE2R2       | USP46        | CLIC4        |
| CDC47        | FZD6           | RABEP1      | AGFG2         | MBLN1       | SP3          | PLEKHM1      |               |
| WDR48        | UBXN2B         | MYLK         | C2orf1712     | BNC2        | PEAK1        | DNAJC27      |               |
| UNKL         | MEX3A          | NEUROD4     | CDK19         | CERS6       | RAB11A       | FOXN4        |               |
| SAMD12       | MICAL3         | WDR26       | DCP2          | REPS2       | MYBL1        | OPCML        |               |
| TRPV6        | MIER3          | PURB        | BLCAPO        | EDF3        | ZFHX4        | IQSEC1       |               |