

Supplementary Table 1. miRNA target genes of differentially expressed miRNAs between chemoresistant and chemosensitive AML patients

miRNA	Target gene	miRNA	Target gene
hsa-miR-342-3p	ANKRD49	hsa-miR-363	LMO2
hsa-miR-342-3p	CA12	hsa-miR-363	MAN2A1
hsa-miR-342-3p	FUT8	hsa-miR-363	MARK1
hsa-miR-342-3p	KDM6B	hsa-miR-363	MIA3
hsa-miR-342-3p	MATN1	hsa-miR-363	MYO1B
hsa-miR-342-3p	MRFAP1	hsa-miR-363	NEFH
hsa-miR-342-3p	PDGFRA	hsa-miR-363	NFIA
hsa-miR-363	ACOX1	hsa-miR-363	NOVA1
hsa-miR-363	ACTC1	hsa-miR-363	NOX4
hsa-miR-363	ADM	hsa-miR-363	NPTN
hsa-miR-363	ANP32E	hsa-miR-363	NSMAF
hsa-miR-363	ATP2A2	hsa-miR-363	PAPD5
hsa-miR-363	BAZ2B	hsa-miR-363	PCOLCE2
hsa-miR-363	BCAT2	hsa-miR-363	PGAM1
hsa-miR-363	C9orf150	hsa-miR-363	PKDCC
hsa-miR-363	CBLN4	hsa-miR-363	PLEKHG3
hsa-miR-363	CD69	hsa-miR-363	PPCS
hsa-miR-363	CDC27	hsa-miR-363	PRDM13
hsa-miR-363	CDKN1C	hsa-miR-363	RBPMS2
hsa-miR-363	CHRM5	hsa-miR-363	RGS17
hsa-miR-363	CHST1	hsa-miR-363	SCAF11
hsa-miR-363	CLDN11	hsa-miR-363	SESN3
hsa-miR-363	DCAF6	hsa-miR-363	SLC32A1
hsa-miR-363	DMXL1	hsa-miR-363	SLC37A3

hsa-miR-363	DOCK9	hsa-miR-363	SLX4
hsa-miR-363	DUS2L	hsa-miR-363	SMAD6
hsa-miR-363	DUSP10	hsa-miR-363	SMAD7
hsa-miR-363	DUSP5	hsa-miR-363	SRPR
hsa-miR-363	DYNLT3	hsa-miR-363	SSFA2
hsa-miR-363	FAM110B	hsa-miR-363	STK39
hsa-miR-363	FMR1	hsa-miR-363	SUN1
hsa-miR-363	FRY	hsa-miR-363	SYN2
hsa-miR-363	FXR1	hsa-miR-363	TACC2
hsa-miR-363	GAP43	hsa-miR-363	TGIF1
hsa-miR-363	GRAMD3	hsa-miR-363	TMF1
hsa-miR-363	GRIA3	hsa-miR-363	TOB1
hsa-miR-363	HERPUD2	hsa-miR-363	UGP2
hsa-miR-363	HIPK3	hsa-miR-363	USP28
hsa-miR-363	KAT2B	hsa-miR-363	WRNIP1
hsa-miR-363	KLF2	hsa-miR-363	NEFL
hsa-miR-363	KLF4		

Supplementary Table 2. Pathways of differentially expressed miRNA targets in chemoresistant vs. chemosensitive AML

<i>P</i> -value	Pathway	Database
<0.001	Reactions specific to the complex N-glycan synthesis pathway	Reactome
<0.001	Rapoport Luebering glycolytic shunt	HumanCyc
<0.01	Signaling by TGF_beta	Reactome
<0.01	BMP signalling and regulation	Wikipathways
<0.01	Glycosaminoglycan biosynthesis-keratan sulfate_Homo sapiens(human)	KEGG
<0.01	TGF_beta Receptor	NetPath
<0.01	Pantothenate and CoA biosynthesis_Homo sapiens (human)	KEGG
<0.01	TGF-beta super family signaling pathway canonical	INOH