

Additional Tables

Table S1. Details of public datasets used in this study

Dataset	Data type	Platform(s)	Sample type	No. of samples	Reference
TCGA	RNA-seq	Illumina HiSeq 2000	AML	173	Ley, TJ, et al (2013)
TCGA	miRNA-seq	Illumina Genome Analyzer	AML	188	Ley, TJ, et al (2013)
GSE24006	microarray	Affymetrix U133 Plus 2.0	AML, NBM	54	Gentles, AJ, et al (2010)
GSE10358	microarray	Affymetrix U133 Plus 2.0	AML	304	Xiang Z, Walgren R, et al (2008)
GSE37642	microarray	Affymetrix U133 Plus 2.0	AML	140	Herold T, Jurinovic V, et al (2018)
GSE106291	microarray	Illumina HiSeq 1500	AML	250	Herold T, Jurinovic V, et al (2018)
GSE146173	microarray	Illumina HiSeq 1500	AML	246	Bamopoulos SA, et al(2020)
GSE63270	microarray	Affymetrix U133 Plus 2.0	AML, NBM	104	Jung, N, et al (2015)
GSE63409	DNA methylation array	Illumina HumanMethylation450	AML, NBM	74	Jung, N, et al (2015)

Table S2. Primer sequences used in this study

Primers	Primer sequence (5' to 3')	Predicted product size (bp)
RQ-PCR primers		
<i>ALOX5AP</i> -forward	CTTCCAGAGGACCGGAACAC	145
<i>ALOX5AP</i> -reverse	CATCAGTCCAGCAAACGCAG	
Targeted bisulfite sequencing primers		
<i>ALOX5AP</i> -forward	GGTAGGTTGTGTAGTTGGAGGTAG	196
<i>ALOX5AP</i> -reverse	ACCTAACTTCCAAACAACCATCAA	