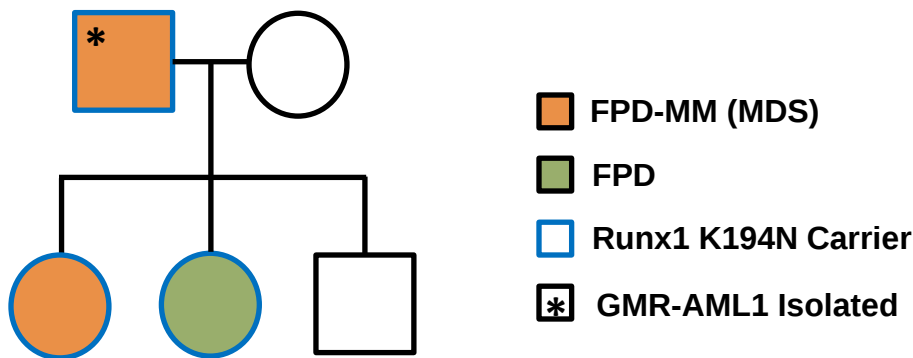


Supplementary Figure 1

A.

Pedigree Chart of GMR-AML1 Patient



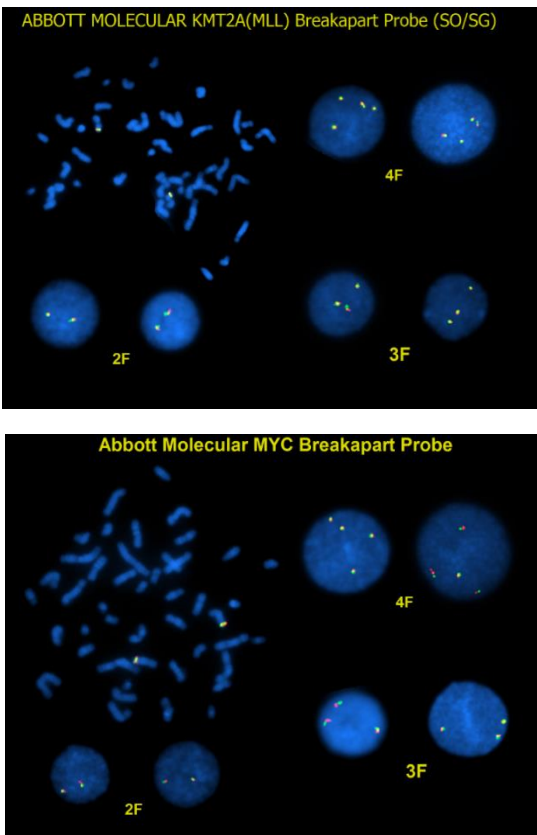
B.

Karyotype (Cell line - Normal 46,XY)



FISH assay c-myc & MLL1/KMT2A
(negative for arrangement)

C.



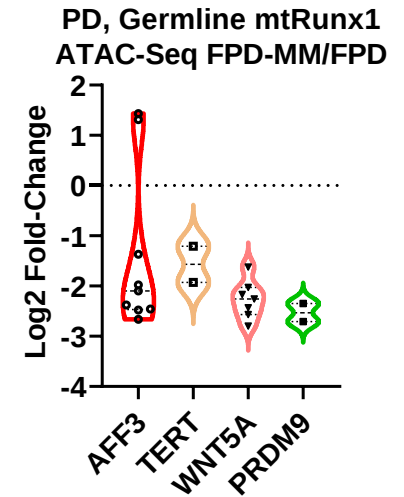
Mutations/Variants of Unknown Significance (VUS)
– Whole Exome Sequencing

D.

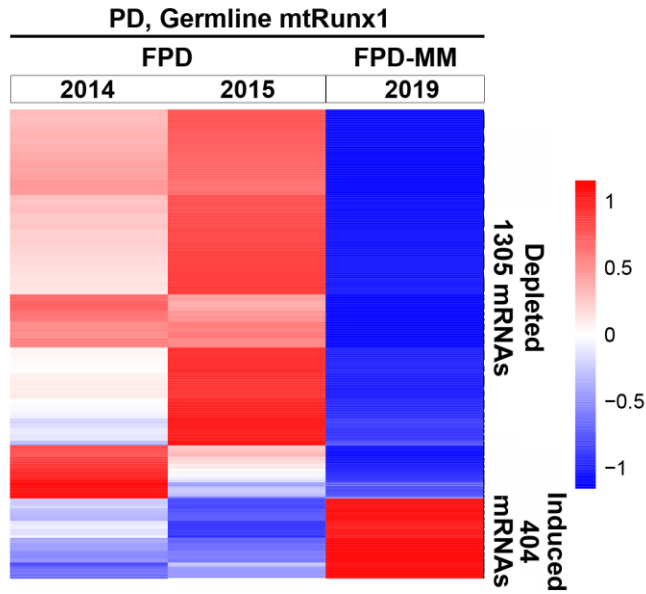
Gene	Mutation (cDNA)	Mutation (Protein)	Mutation Type	VAF (%)
TP53	c.C215G	p.P72R	nonsynonymous SNV	55
AIM2	c.1018delA	p.K340fs	frameshift deletion	52
NELFB	c.G1569C	p.L523F	nonsynonymous SNV	50
CEP152	c.C1110G	p.Y370X	stopgain SNV	49
SUGP2	c.A68T	p.H23L	nonsynonymous SNV	45
RRM2B	c.211dupC	p.R71fs	frameshift insertion	43
TADA3	c.C80G	p.T27R	nonsynonymous SNV	42
SPDYE6	c.G874T	p.G292C	nonsynonymous SNV	36
PRDM9	c.C2442A	p.S814R	nonsynonymous SNV	33

Supplementary Figure 1

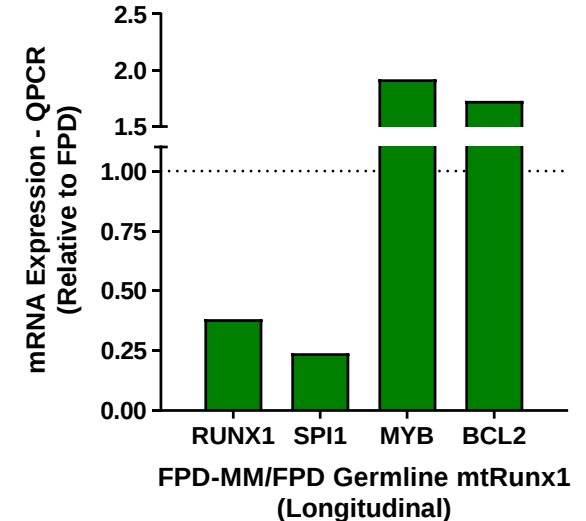
E.



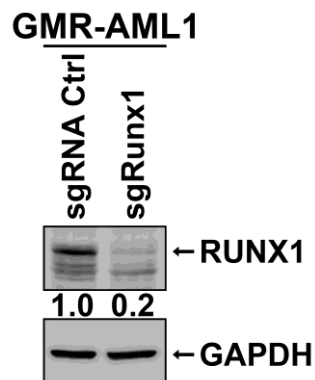
F.



G.

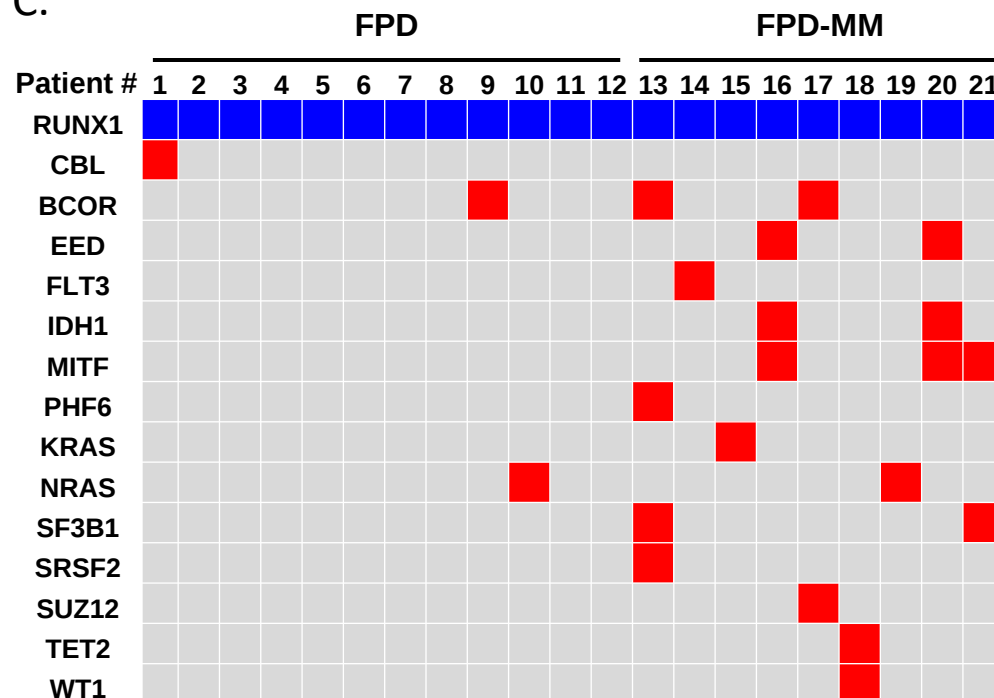


A.

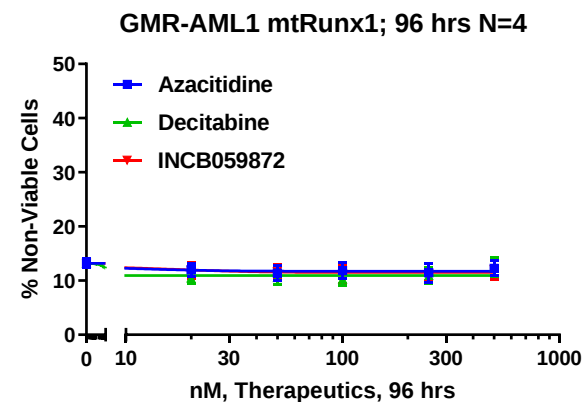
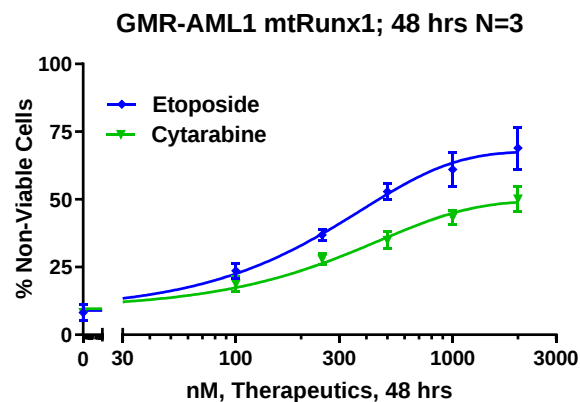
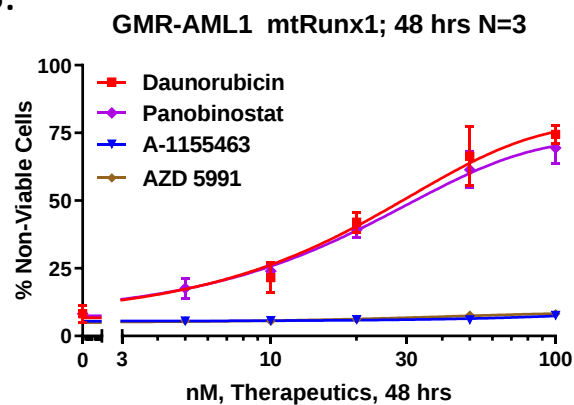


C.

Oncoplot of PD, FPD and FPD-MM samples



B.

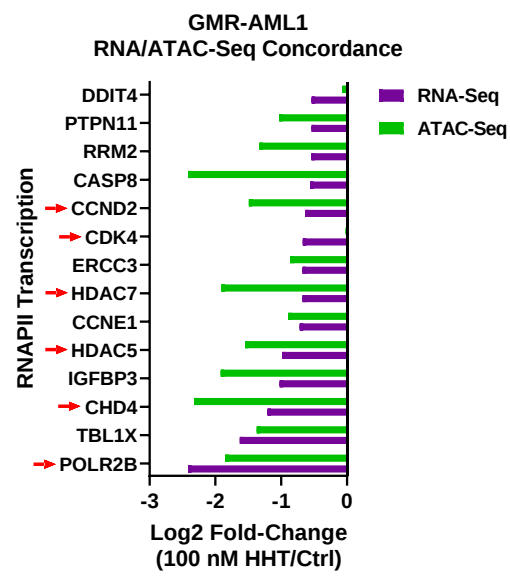


Supplementary Figure 2

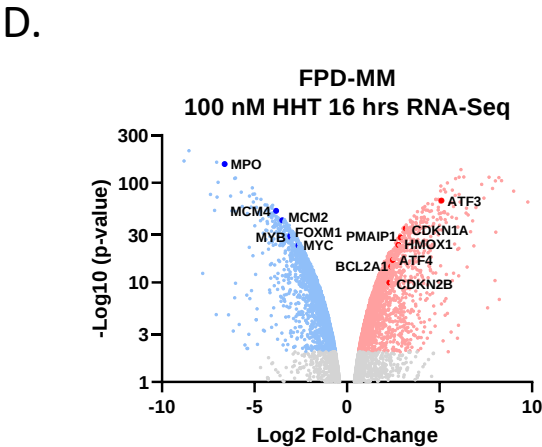
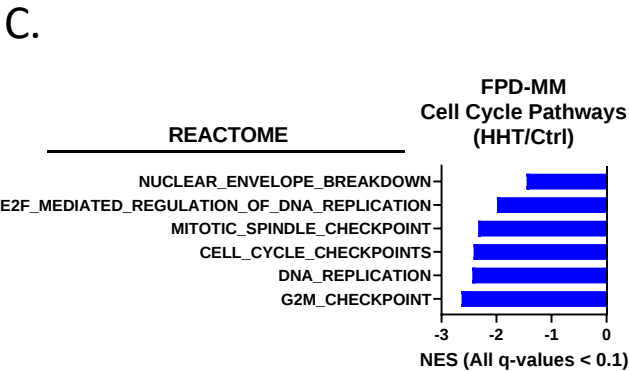
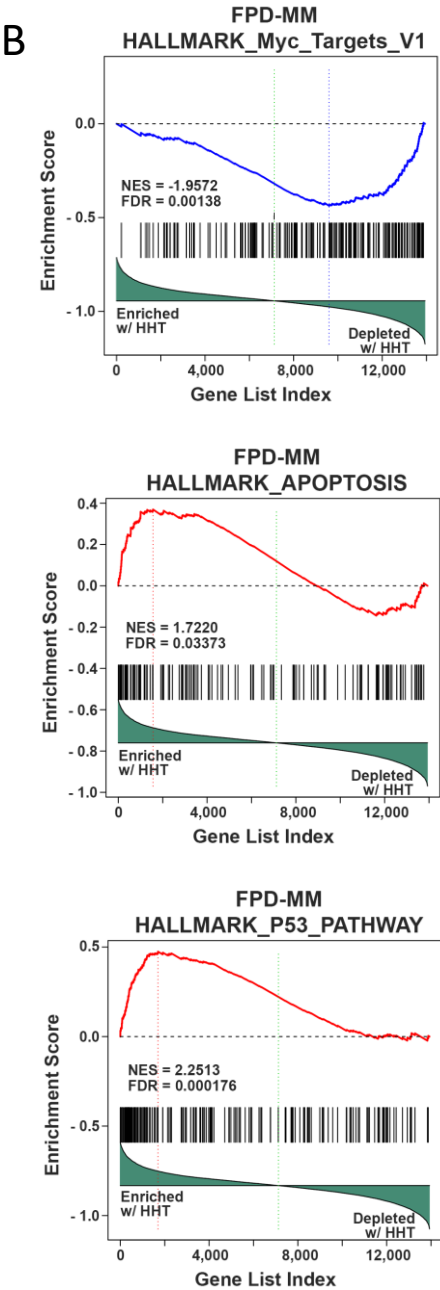
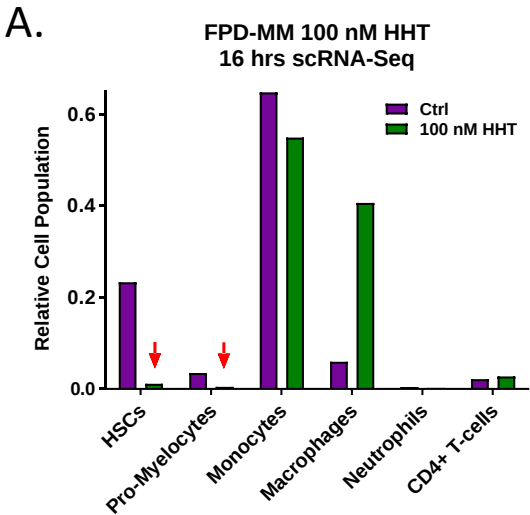
D.

Sample #	RUNX1 Mutation
FPD-1	Splice c.352-1 G>C
FPD-2	W279*
FPD-3	R166Q
FPD-4	K194N
FPD-5	Y189*
FPD-6	W279*
FPD-7	Deletion Ex1-5
FPD-8	Q335*
FPD-9	Splice c.352-1 G>T
FPD-10	R201*
FPD-11	p.Val164CysfsX49
FPD-12	W279*
FPD-MM-13	K194N
FPD-MM-14	L56S
FPD-MM-15	Deletion ≥ first six exons
FPD-MM-16	p.Val164CysfsX49
FPD-MM-17	R166*
FPD-MM-18	Q335*
FPD-MM-19	R201*
FPD-MM-20	p.Val164CysfsX49
FPD-MM-21	LOH; 2 nd allele dominant clone S141L

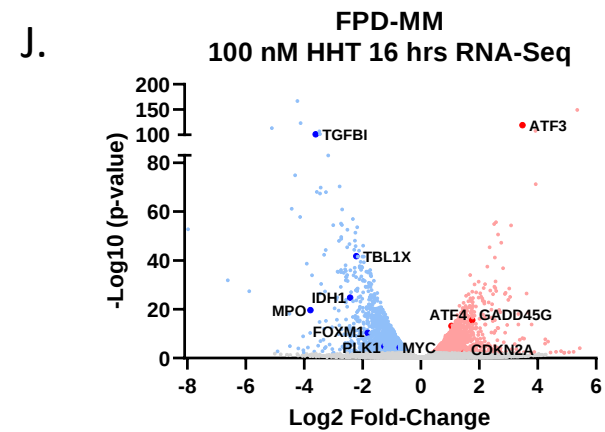
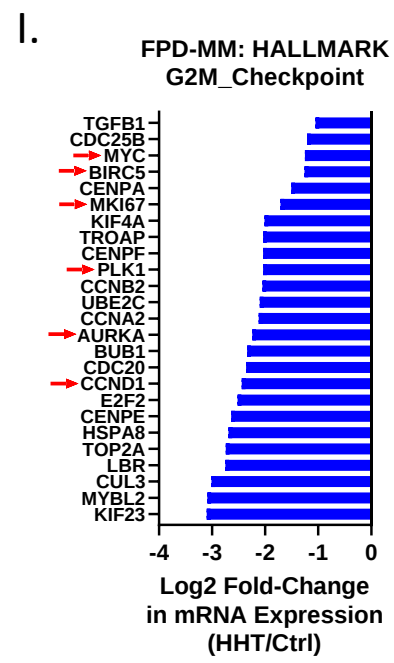
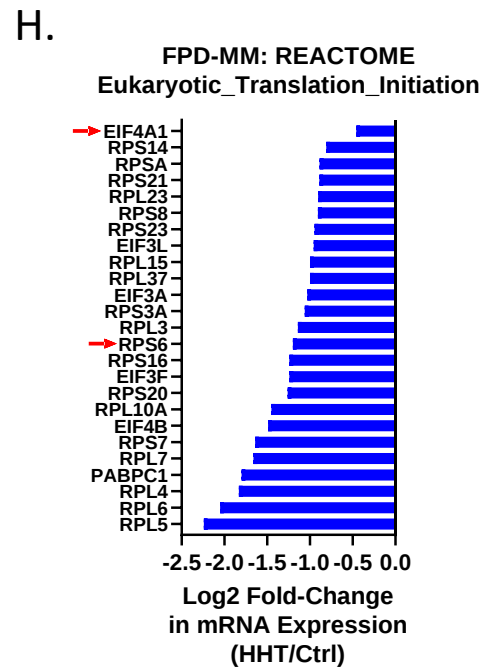
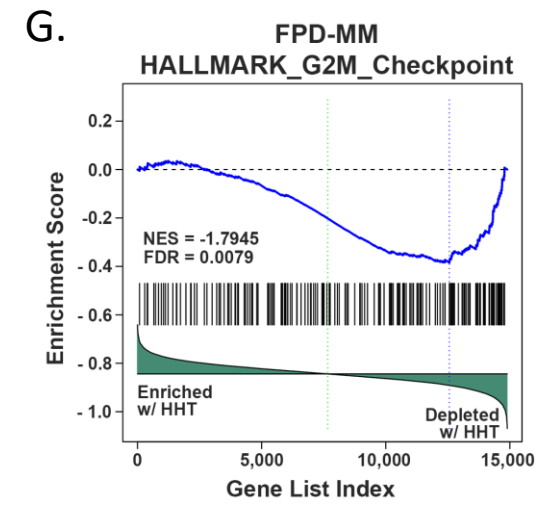
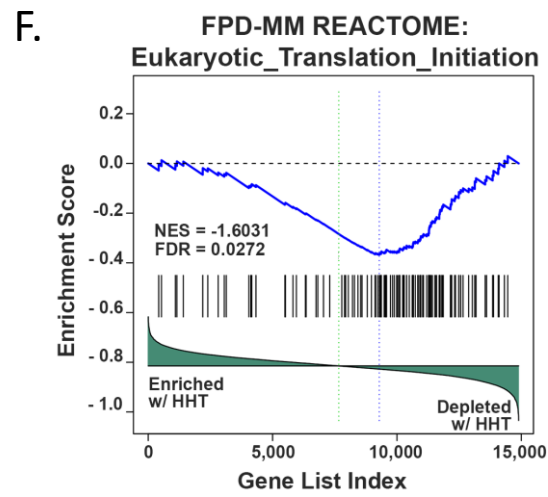
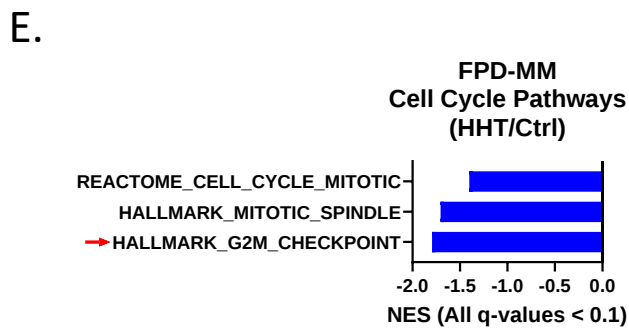
Supplementary Figure 3



Supplementary Figure 4



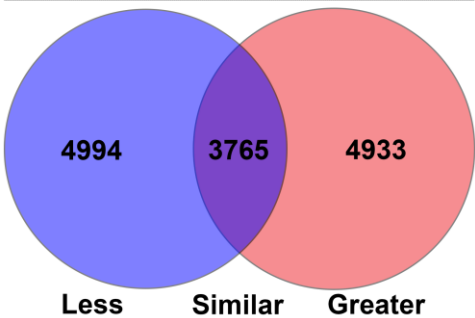
Supplementary Figure 4



Supplementary Figure 4

K.

mRNA Expression of FPD-MM #17
Relative to GMR-AML1

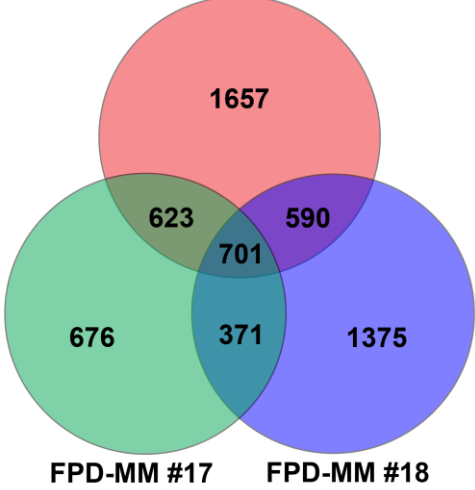


mRNA Expression of FPD-MM #18
Relative to GMR-AML1

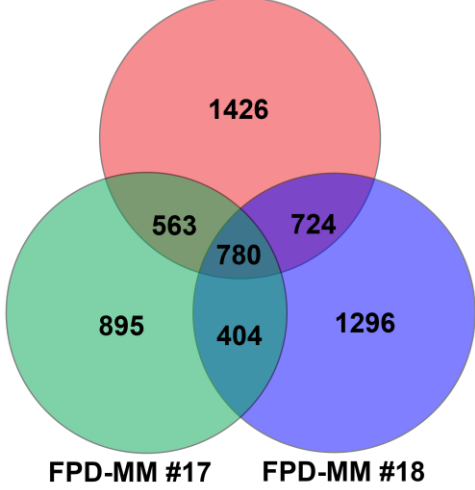


L.

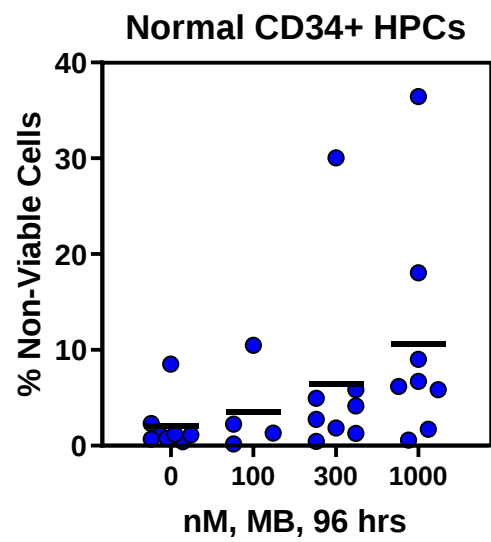
HHT Induced mRNAs
GMR-AML1



HHT Depleted mRNAs
GMR-AML1

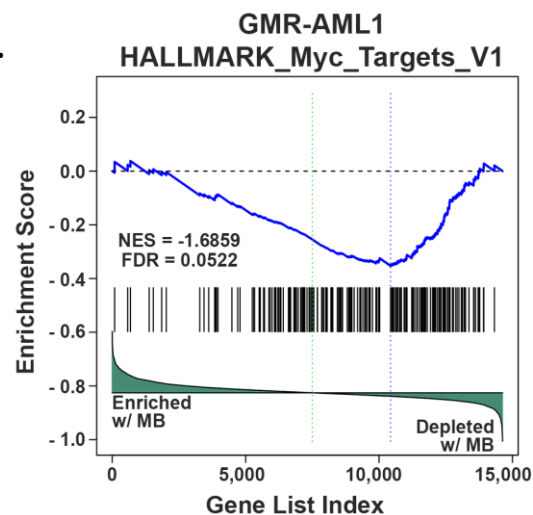


Supplementary Figure 5

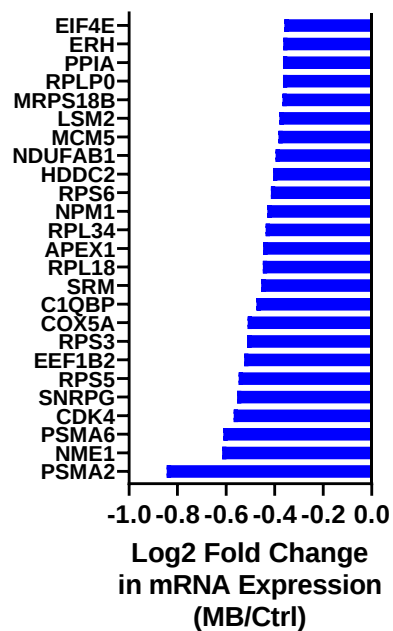


Supplementary Figure 6

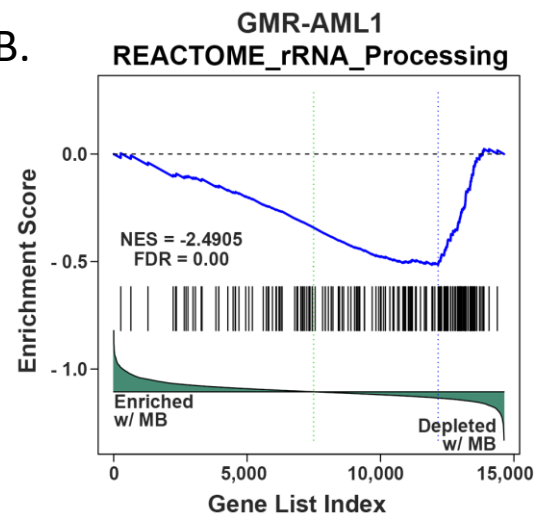
A.



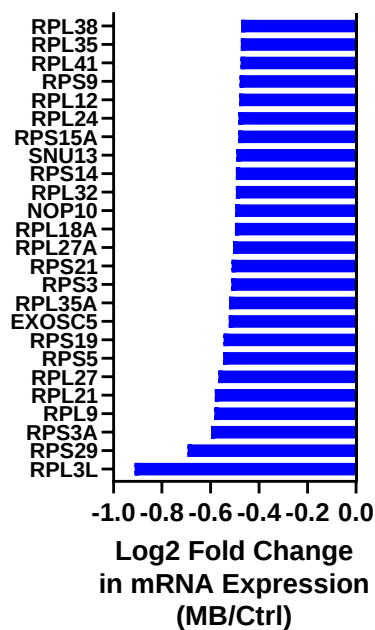
GMR-AML1: HALLMARK
Myc_Targets_V1



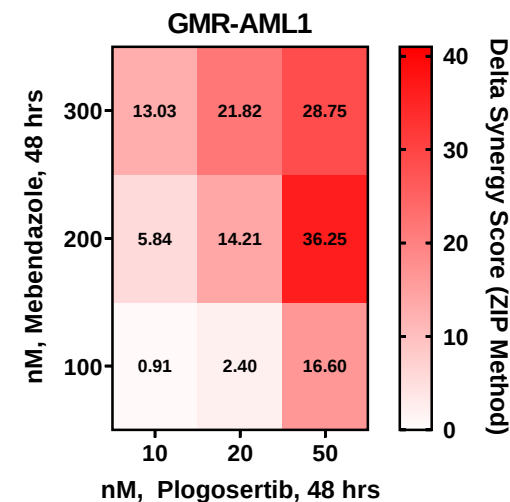
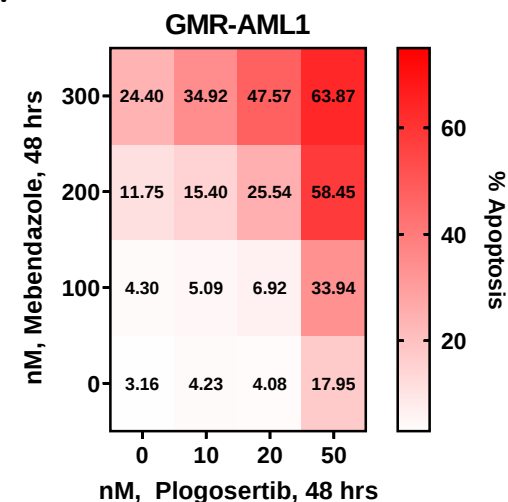
B.



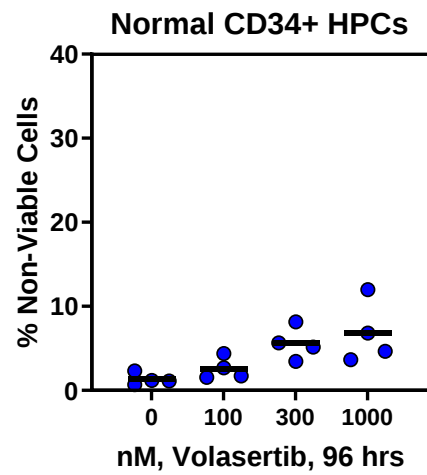
GMR-AML1
REACTOME_RRNA_Processing



C.



D.



E.

