

Figure S1. Graphical representation of gene expression level normalized above control for *MYB* and histone-lysine N-methyltransferase *SUV39H1* gene validation in microarray samples. Each bar represents a patient. The error bars represent technical replicates. S, sample.

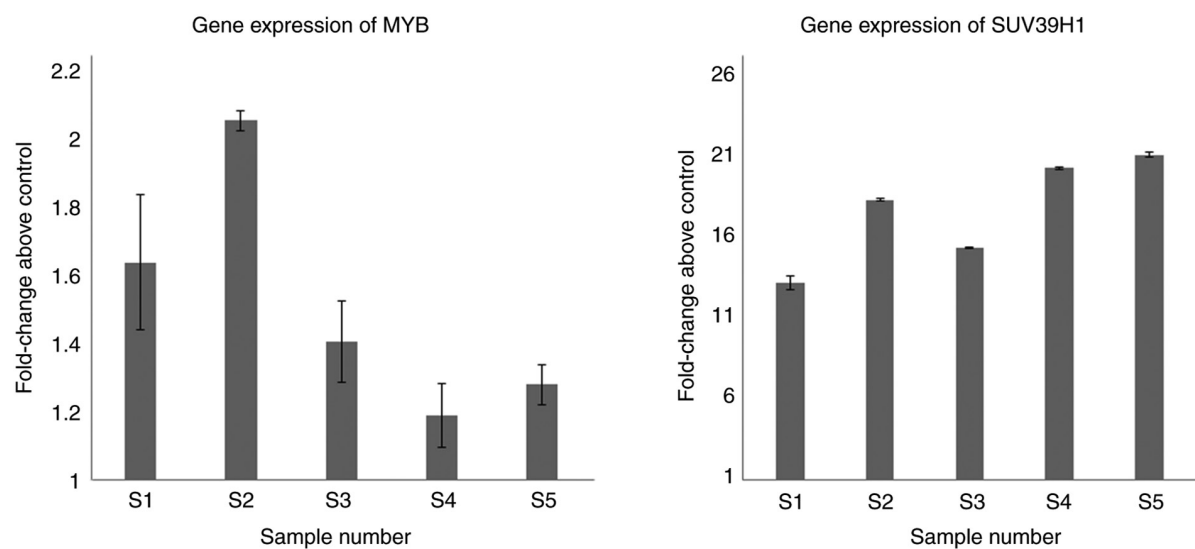




Figure S3. Transcription factor checkerboard table generated using StemChecker tool representing each input gene from the upregulated genes in *JAK2V617F* negative samples identified as a target gene. Blue rectangles indicate that a gene is included in the set of potential target genes as determined by the corresponding study. Each TF along with its corresponding study is colour coded next to the gene.

	Hs_E2F4_Boyer1	Hs_NANOG_Boyer1	Hs_SMAD4_Kim	Hs_SOX4_Boyer1	Hs_SUZ12_Lee	Hs_SMAD2_Kim	Hs_SMAD3_Kim	Hs_OCT4_Boyer1
	X	X	X	X	X	X	X	X
ANKRD11(29123)								
AGFG2(3268)								
NFIA(4774)								
YARS(8565)								
ORC1L(4998)								
TRAPPC9(83696)								
TMEM173(340061)								
AFFI(4299)								
MDC1(9656)								
FBXL14(144699)								
TUBG1(7283)								
PRR11(55771)								
HN1(51155)								
SOC57(30837)								
FBLN5(10516)								
KIF16B(55614)								
ZNRF3(84133)								
HOXA3(3200)								
RGCC(28984)								
TUBB(203068)								
DDX41(51428)								
DLG7(9787)								
NOLC1(9221)								
CDC2(983)								
GTF3C1(2975)								
UBIAD1(29914)								
VDAC1(7416)								
ZFP36L2(678)								
NEIL3(55247)								
CIT7(11113)								
PARP2(10038)								
TAOK2(9344)								
PXMP2(5827)								
XRCC6(2547)								
BCS1L(617)								
WDR76(79968)								
GF11(2672)								
ANK1(286)								
ALOX15(246)								
RABL5(64792)								
CDCA2(157313)								
CDCA8(55143)								
GTSE1(51512)								
PKP2(5318)								
CSNK2A1(1457)								
MYB(4602)								
MRPL1(65008)								
HMG2(3151)								
C2orf29(55571)								
NASP(4678)								
VAT1(10493)								
GSTCD(79807)								
CAND1(55832)								
AHSA1(10598)								
USP10(9100)								
TSSC1(7260)								
NDUFB3(4709)								