

Supplementary Table 1. Gene list included in HemaSCAN

ABL1	ACTB	ADGRA2	AKT1	AKT2	AKT3	ALK
AMER1	ANKRD11	APC	APH1A	AR	ARAF	ARFRP1
ARHGAP26	ARID1A	ARID2	ASXL1	ATM	ATR	ATRX
AURKA	AURKB	AXIN1	AXL	B2M	BAP1	BARD1
BCL10	BCL11B	BCL2	BCL2L2	BCL6	BCL7A	BCOR
BCORL1	BCR	BIRC3	BLM	BRAF	BRCA1	BRCA2
BRD4	BRIP1	BRSK1	BTG1	BTG2	BTK	BTLA
CAD	CARD11	CBFB	CBL	CCND1	CCND2	CCND3
CCNE1	CCT6B	CD22	CD274	CD28	CD36	CD58
CD70	CD79A	CD79B	CDC73	CDH1	CDK12	CDK4
CDK6	CDK8	CDKN1B	CDKN2A	CDKN2B	CDKN2C	CEBPA
CHD2	CHEK1	CHEK2	CIC	CIITA	CKS1B	CPS1
CREBBP	CRKL	CRLF2	CSF1R	CSF3R	CTCF	CTNNA1
CTNNB1	CUX1	CXCR4	DAXX	DDR2	DDX3X	DNM2
DNMT3A	DOT1L	DTX1	DUSP2	DUSP9	EBF1	ECT2L
EED	EGFR	ELP2	EMSY	EP300	EPHA3	EPHA5
EPHA7	EPHB1	EPOR	ERBB2	ERBB3	ERBB4	ERG
ESR1	ETS1	ETV1	ETV4	ETV5	ETV6	EWSR1
EXOSC6	EZH2	FAF1	FAM46C	FANCA	FANCC	FANCD2
FANCE	FANCF	FANCG	FANCL	FAS	FBXO11	FBXO31
FBXW7	FGF10	FGF14	FGF19	FGF23	FGF3	FGF4
FGF6	FGFR1	FGFR2	FGFR3	FGFR4	FHIT	FLCN
FLT1	FLT3	FLT4	FLYWCH1	FOXL2	FOXO1	FOXO3
FOXP1	FRS2	FYN	GADD45B	GATA1	GATA2	GATA3
GID4	GNA11	GNA12	GNA13	GNAQ	GNAS	GRIN2A
GSK3B	GTSE1	HDAC1	HDAC4	HDAC7	HGF	HIST1H1C
HIST1H1D	HIST1H1E	HIST1H2AC	HIST1H2AG	HIST1H2AL	HIST1H2AM	HIST1H2BC
HIST1H2BJ	HIST1H2BK	HIST1H2BO	HIST1H3B	HNF1A	HRAS	HSP90AA1
ICK	ID3	IDH1	IDH2	IGF1R	IKBKE	IKZF1
IKZF2	IKZF3	IL20RA	IL7R	INHBA	INPP4B	INPP5D
IRF1	IRF4	IRF8	IRS2	JAK1	JAK2	JAK3
JARID2	JUN	KAT6A	KDM2B	KDM4C	KDM5A	KDM5C
KDM6A	KDR	KEAP1	KIT	KLHL6	KRAS	LEF1
LILRB1	LRP1B	LRRK2	MAF	MAFB	MAGED1	MALT1
MAP2K1	MAP2K2	MAP2K4	MAP3K1	MAP3K14	MAP3K6	MAP3K7
MAPK1	MCL1	MDM2	MDM4	MED12	MEF2B	MEF2C
MEN1	MET	MIB1	MITF	MKI67	MLH1	MPL
MRE11A	MSH2	MSH3	MSH6	MTOR	MUC2	MUTYH

Supplementary Table 1. Continued

MYC	MYCL	MYCN	MYD88	MYO18A	NCOR2	NCSTN
NF1	NF2	NFE2L2	NFKBIA	NKX2-1	NOD1	NOTCH1
NOTCH2	NPM1	NRAS	NT5C2	NTRK1	NTRK2	NTRK3
NUP93	NUP98	P2RY8	PAG1	PAK3	PALB2	PASK
PAX5	PBRM1	PC	PCBP1	PCLO	PDCD1	PDCD11
PDCD1LG2	PDGFRA	PDGFRB	PDK1	PHF6	PIK3CA	PIK3CG
PIK3R1	PIK3R2	PIM1	PLCG1	PLCG2	POT1	POU2F2
PPP2R1A	PRDM1	PRKAR1A	PRKDC	PRSS8	PTCH1	PTEN
PTPN11	PTPN2	PTPN6	PTPRO	RAD21	RAD50	RAD51
RAF1	RARA	RASGEF1A	RB1	RELN	RET	RHOA
RHOT2	RICTOR	RNF43	ROS1	RPTOR	RUNX1	S1PR2
SDHA	SDHB	SDHC	SDHD	SERP2	SETBP1	SETD2
SF3B1	SGK1	SMAD2	SMAD4	SMARCA1	SMARCA4	SMARCA1
SMARCB1	SMARCD1	SMC1A	SMC3	SMO	SOCS1	SOCS2
SOCS3	SOX10	SOX2	SPEN	SPOP	SRC	SRSF2
STAG2	STAT1	STAT2	STAT3	STAT4	STAT5A	STAT5B
STAT6	STK11	SUFU	SUZ12	TAF1	TBL1XR1	TCF3
TCL1A	TET2	TET3	TGFBR2	TLL2	TMEM30A	TMPRSS2
TNFAIP3	TNFRSF11A	TNFRSF14	TNFRSF17	TOP1	TP53	TP63
TRAF2	TRAF3	TRAF5	TSC1	TSC2	TSHR	TUSC3
TYK2	U2AF1	U2AF2	VAV1	VHL	WDR90	WHSC1
WIF1	WISP3	WT1	WWOX	XBP1	XPO1	YY1AP1
ZMYM3	ZNF217	ZNF24	ZNF703	ZRSR2		