

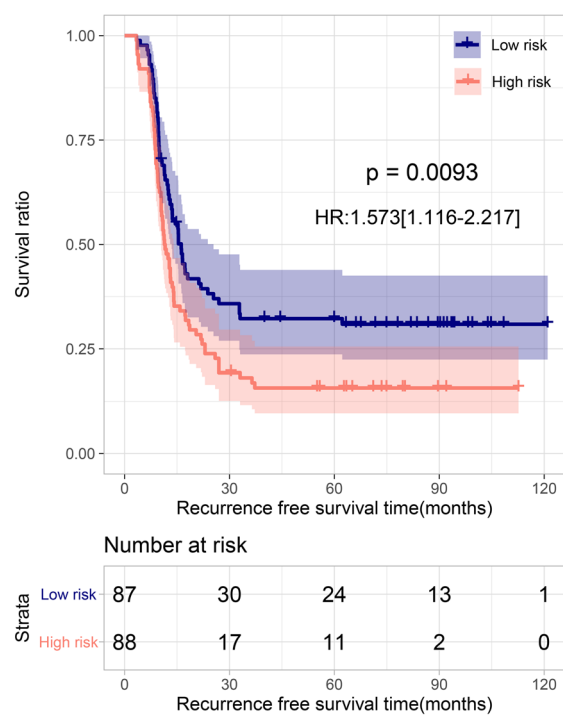


Figure S1 KM recurrence free survival curves for patients with low-risk and high-risk.

Global Schoenfeld Test p: 0.7385

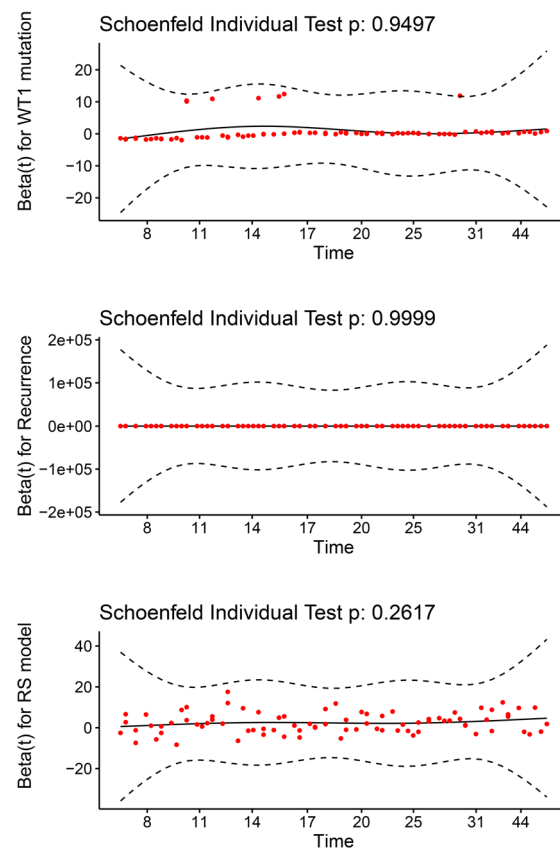


Figure S2 Residual analysis to test whether the nomogram holds.

Table S1 Detailed clinical characteristics of the validation set

Source Name	Material Type	Characteristics [Organism]	Characteristics [OrganismPart]	Characteristics [Age at Diagnosis]	Unit [TimeUnit]	Characteristics [DiseaseState]	Characteristics [Sex]	Comment [Clinical Study]	Characteristics [White Blood Cell Count at Diagnosis]	Characteristics [Day 7 Minimal Residual Disease]	Characteristics [Day 14 Minimal Residual Disease]	Characteristics [Day 28 Minimal Residual Disease]	Characteristics [Disease-Free Survival Status]	Characteristics [Disease-Free Survival]	Unit [TimeUnit]	Characteristics [Relapse-Free Survival Status]	Characteristics [Relapse-Free Survival]	Unit [TimeUnit]	Characteristics [Protocol REF]	Term Source REF	Protocol REF	Term Source REF	Extract Name	Protocol REF	Labeled Extract Name	Label	Protocol REF	Hybridization Name	Array Design REF	Array Data File	Comment [ArrayExpress FTP file]	Comment [Batch]	Protocol REF	Derived Array Data Matrix File	Comment [Derived ArrayExpress FTP file]	Factor Value [Relapse-Free Survival Status]	Factor Value [Relapse-Free Survival]	Unit [TimeUnit]
THDR194C	organism_part	Homo sapiens	bone marrow	17.833333	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	358900	M3	M1	M1	1	736	day	1	522	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDR194C	P-MTAB-27349	E_THDR194C	biotin	P-MTAB-27348	THDR194C	A-AFFY-44	D194C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	2	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	1	522	day		
THDN235C	organism_part	Homo sapiens	bone marrow	16.916667	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	32700	M3	M1	M1	0	2114	day	0	2114	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDN235C	P-MTAB-27349	E_THDN235C	biotin	P-MTAB-27348	THDN235C	A-AFFY-44	D235C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.1.zip	3	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	2114	day		
THDN100C	organism_part	Homo sapiens	bone marrow	16.833333	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	171800	M3	M1	M1	0	2673	day	0	2673	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDN100C	P-MTAB-27349	E_THDN100C	biotin	P-MTAB-27348	THDN100C	A-AFFY-44	D100C-2nd hybridisation.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	1	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	2673	day		
THDNS6	organism_part	Homo sapiens	bone marrow	16.8	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	359500	M3	M1	M1	0	1399	day	0	1399	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDNS6	P-MTAB-27349	E_THDNS6	biotin	P-MTAB-27348	THDNS6	A-AFFY-44	S6.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	4	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	1399	day		
THDR205C	organism_part	Homo sapiens	bone marrow	16.5	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	178400	M1	M1	M1	1	926	day	1	611	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDR205C	P-MTAB-27349	E_THDR205C	biotin	P-MTAB-27348	THDR205C	A-AFFY-44	D205C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.3.zip	2	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	1	611	day		
THDR232C	organism_part	Homo sapiens	bone marrow	16.5	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	260000	M1	M1	M1	0	279	day	1	154	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDR232C	P-MTAB-27349	E_THDR232C	biotin	P-MTAB-27348	THDR232C	A-AFFY-44	D232C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.3.zip	3	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	1	154	day		
THDR106C	organism_part	Homo sapiens	bone marrow	16.25	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	65100	M1	M1	M1	0	2876	day	1	570	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDR106C	P-MTAB-27349	E_THDR106C	biotin	P-MTAB-27348	THDR106C	A-AFFY-44	D106C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	1	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	1	570	day		
THDNS2	organism_part	Homo sapiens	bone marrow	16.2	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	791000	M1	M1	M1	0	1640	day	0	1640	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDNS2	P-MTAB-27349	E_THDNS2	biotin	P-MTAB-27348	THDNS2	A-AFFY-44	S2.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	4	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	1640	day		
THDN101C	organism_part	Homo sapiens	bone marrow	16	year	T-cell acute lymphoblastic leukemia	female	CCG-1961	235000	M1	M1	M1	0	2709	day	0	2709	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDN101C	P-MTAB-27349	E_THDN101C	biotin	P-MTAB-27348	THDN101C	A-AFFY-44	D101C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.1.zip	1	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	2709	day		
THDN103C	organism_part	Homo sapiens	bone marrow	15.75	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	12900	M1	M1	M1	0	2646	day	0	2646	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDN103C	P-MTAB-27349	E_THDN103C	biotin	P-MTAB-27348	THDN103C	A-AFFY-44	D103C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.1.zip	1	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	2646	day		
THDN211C	organism_part	Homo sapiens	bone marrow	15.5	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	227000	M3	M1	M1	0	2534	day	0	2534	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDN211C	P-MTAB-27349	E_THDN211C	biotin	P-MTAB-27348	THDN211C	A-AFFY-44	D211C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.1.zip	2	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	2534	day		
THDN212C	organism_part	Homo sapiens	bone marrow	15.25	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	20000	M3	M3	M2	0	2774	day	0	2774	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDN212C	P-MTAB-27349	E_THDN212C	biotin	P-MTAB-27348	THDN212C	A-AFFY-44	D212C-com.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.1.zip	2	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	2774	day		
THDN99C	organism_part	Homo sapiens	bone marrow	15.083333	year	T-cell acute lymphoblastic leukemia	female	CCG-1961	334210	M2	M1	M1	0	1666	day	0	1666	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDN99C	P-MTAB-27349	E_THDN99C	biotin	P-MTAB-27348	THDN99C	A-AFFY-44	D99C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	1	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	1666	day		
THDNS15	organism_part	Homo sapiens	bone marrow	14.9	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	44700	M3	M3	M3	0	1208	day	0	1208	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDNS15	P-MTAB-27349	E_THDNS15	biotin	P-MTAB-27348	THDNS15	A-AFFY-44	S15.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	4	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	1208	day		
THDR203C	organism_part	Homo sapiens	bone marrow	14.666667	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	4900	M3	M2	M1	1	1102	day	1	478	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDR203C	P-MTAB-27349	E_THDR203C	biotin	P-MTAB-27348	THDR203C	A-AFFY-44	D203C-2nd scan.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.3.zip	2	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	1	478	day		
THDN102C	organism_part	Homo sapiens	bone marrow	13.833333	year	T-cell acute lymphoblastic leukemia	female	CCG-1961	75100	M1	M1	M1	0	2882	day	0	2882	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDN102C	P-MTAB-27349	E_THDN102C	biotin	P-MTAB-27348	THDN102C	A-AFFY-44	D102C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.1.zip	1	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	2882	day		
THDR112C	organism_part	Homo sapiens	bone marrow	13.833333	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	535600	M3	M1	M1	1	734	day	1	668	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDR112C	P-MTAB-27349	E_THDR112C	biotin	P-MTAB-27348	THDR112C	A-AFFY-44	D112C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	1	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	1	668	day		
THDN237C	organism_part	Homo sapiens	bone marrow	13.666667	year	T-cell acute lymphoblastic leukemia	female	CCG-1961	1100	M2	M2	M1	0	1638	day	0	1638	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDN237C	P-MTAB-27349	E_THDN237C	biotin	P-MTAB-27348	THDN237C	A-AFFY-44	D237C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	3	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	1638	day		
THDR108C	organism_part	Homo sapiens	bone marrow	13.666667	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	10300	M2	M1	M1	1	636	day	1	609	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDR108C	P-MTAB-27349	E_THDR108C	biotin	P-MTAB-27348	THDR108C	A-AFFY-44	D108C-2nd scan.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	1	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	1	609	day		
THDN6Plus2	organism_part	Homo sapiens	bone marrow	13.416667	year	T-cell acute lymphoblastic leukemia	female	CCG-1961	28600	M1	M1	M1	0	3267	day	0	3267	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDN6Plus2	P-MTAB-27349	E_THDN6Plus2	biotin	P-MTAB-27348	THDN6Plus2	A-AFFY-44	D6 Plus 2.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	4	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	3267	day		
THDN104C	organism_part	Homo sapiens	bone marrow	13.166667	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	64600	M2	M1	M1	0	2947	day	0	2947	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDN104C	P-MTAB-27349	E_THDN104C	biotin	P-MTAB-27348	THDN104C	A-AFFY-44	D104C-2nd scan.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	1	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	2947	day		
THDNS20	organism_part	Homo sapiens	bone marrow	13.1	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	459000	M2	M1	M1	0	1173	day	0	1173	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDNS20	P-MTAB-27349	E_THDNS20	biotin	P-MTAB-27348	THDNS20	A-AFFY-44	S20.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	4	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	1173	day		
THDN97C	organism_part	Homo sapiens	bone marrow	12.916667	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	63000	M3	M2	M2	0	2652	day	0	2652	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDN97C	P-MTAB-27349	E_THDN97C	biotin	P-MTAB-27348	THDN97C	A-AFFY-44	D97C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	1	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	0	2652	day		
THDR196C	organism_part	Homo sapiens	bone marrow	12.666667	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	546000	M3	M1	M1	1	756	day	1	562	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDR196C	P-MTAB-27349	E_THDR196C	biotin	P-MTAB-27348	THDR196C	A-AFFY-44	D196C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.3.zip	2	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	1	562	day		
THDR105C	organism_part	Homo sapiens	bone marrow	12.25	year	T-cell acute lymphoblastic leukemia	female	CCG-1961	130100	M1	M1	M1	1	952	day	1	723	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDR105C	P-MTAB-27349	E_THDR105C	biotin	P-MTAB-27348	THDR105C	A-AFFY-44	D105C-2nd scan.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	1	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	1	723	day		
THDR229C	organism_part	Homo sapiens	bone marrow	12.25	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	266700	M1	M1	M1	0	2514	day	1	717	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDR229C	P-MTAB-27349	E_THDR229C	biotin	P-MTAB-27348	THDR229C	A-AFFY-44	D229C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.3.zip	3	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	1	717	day		
THDR208C	organism_part	Homo sapiens	bone marrow	12.166667	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	169700	M1	M1	M1	1	381	day	1	161	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDR208C	P-MTAB-27349	E_THDR208C	biotin	P-MTAB-27348	THDR208C	A-AFFY-44	D208C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.3.zip	2	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	1	161	day		
THDR110C	organism_part	Homo sapiens	bone marrow	12.083333	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	700000	M2	M1	M1	1	892	day	1	555	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDR110C	P-MTAB-27349	E_THDR110C	biotin	P-MTAB-27348	THDR110C	A-AFFY-44	D110C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	1	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	1	555	day		
THDR114C	organism_part	Homo sapiens	bone marrow	11.916667	year	T-cell acute lymphoblastic leukemia	male	CCG-1961	23600	M1	M1	M1	1	2306	day	1	1342	day	P-TABM-611 ArrayExpress	P-TABM-609 ArrayExpress	E_THDR114C	P-MTAB-27349	E_THDR114C	biotin	P-MTAB-27348	THDR114C	A-AFFY-44	D114C.CEL	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.raw.2.zip	1	P-MTAB-27350	cog.exp.meanadj2.txt	ftp://ftp.ebi.ac.uk/pub/databases/microarray/data/experiment/MTAB/E-MTAB-1205/E-MTAB-1205.processed.1.zip	1	1342	day		
THDR226C	organism_part	Homo sapiens	bone marrow	11.833333	year	T-cell acute lymphoblastic leukemia	male																															

Table S2 RNA methylation-related genes of m6A/m5C/m1A

RNA methylation	Writer	Reader	Eraser
m6A	METTL3, METTL14, METTL16, WTAP, KIAA1499, RBM15, RBM15B, RBM1, ZC3H13	YTHDC1, YTHDC2, YTHDF1, YTHDF2, YTHDF3, IGF2BP1, IGF2BP2, IGF2BP3, HNRNPA2B1, HNRNPC, HNRNPG, RBMX, FMR1, LRPPRC	FTO, ALKBH5
m5C	NOP2, NSUN1, NSUN2, NSUN3, NSUN4, NSUN5, NSUN7, DNMT1, TRDMT1, DNMT3A, DNMT3B	ALYREF	TET2, YBX1
m1A	TRMT6, TRMT61A, TRMT61B, TRMT61C, TRMT10C, BMT2, RRP8	YTHDF1, YTHDF2, YTHDF3, YTHDC1	ALKBH1, ALKBH3

Table S3 The expression of 8 signature genes in the training set								
ID	ZC3H13	IGF2BP2	NSUN2	TRMT6	TET2	METTL16	TRMT10C	DNMT3B
TARGET-20-PANWHP-09A	1.479148	3.139208	1.547054	1.827858	1.153643	0.466088	1.053161	0.014981
TARGET-20-PANLKB-09A	1.75995	0.271533	2.264244	2.004445	1.184587	1.07274	1.863303	0.349263
TARGET-20-PANZKA-09A	1.788446	2.884828	1.911362	1.08865	1.09717	1.291606	1.999327	0.110906
TARGET-20-PAPXWI-09A	1.005339	3.576175	1.364097	0.908781	1.146001	0.696972	1.065592	0.543069
TARGET-20-PANVGE-09A	1.201533	3.30302	1.715087	1.165046	0.925943	0.437887	0.620903	0.447913
TARGET-20-PANGCM-03A	0.910673	3.150402	2.39906	1.618493	1.512309	1.318126	1.113618	0.105733
TARGET-20-PANKFZ-09A	1.300869	2.827522	1.859231	2.17996	1.483341	0.914006	1.586547	0.108444
TARGET-20-PAPWHS-09A	1.617874	2.800874	1.972499	1.958539	1.91048	0.993394	1.017196	0.460845
TARGET-20-PANINI-09A	1.836008	2.08133	2.070872	0.555666	1.038928	2.067439	1.930933	1.113956
TARGET-20-PAPVZK-09A	1.405713	3.718444	2.12564	2.11441	2.075125	1.090166	1.826117	0.126647
TARGET-20-PANRJI-09A	1.617987	1.021532	1.945268	2.371405	0.918009	1.358562	1.226606	0.969447
TARGET-20-PAPWIU-09A	1.006013	1.404244	1.836613	0.578615	1.281967	1.946054	1.072988	1.669901
TARGET-20-PARGVC-03A	1.435337	3.344772	2.508445	0.629574	2.132352	1.898858	1.651293	0.831442
TARGET-20-PASBHI-09A	3.275308	3.015666	2.333905	1.154196	3.617084	1.424358	4.079337	0.260542
TARGET-20-PAPAWN-09A	2.267633	3.463602	2.261683	1.736422	1.239894	1.440931	2.225606	0.449574
TARGET-20-PATDHA-09A	1.915	2.749574	1.737994	1.982071	2.230039	1.745483	2.878344	0.542527
TARGET-20-PASYJI-09A	1.21749	3.974565	2.167614	1.423975	1.766376	1.116279	2.448835	0.433672
TARGET-20-PASPKE-09A	2.638081	2.882119	3.529094	1.059204	3.990375	2.574403	3.397049	0.30223
TARGET-20-PATDNN-09A	1.630634	3.157258	3.005888	1.316974	2.403033	1.196801	2.12855	0.593396
TARGET-20-PAPVCN-09A	1.131901	2.799688	2.444295	3.492314	2.675475	1.361476	1.733457	0.053881
TARGET-20-PARJYP-03A	1.852084	4.463653	2.861324	1.590579	2.196173	1.194255	1.768903	0.314535
TARGET-20-PABLDZ-04A	2.829372	3.104172	1.543677	0.391333	2.414228	1.73128	2.712603	1.323553
TARGET-20-PANDER-09A	2.075814	4.240181	1.818599	1.142219	1.822612	1.199648	2.571149	0.69671
TARGET-20-PANYNR-03A	1.937606	4.513901	3.204288	1.209825	2.59455	1.633984	2.763286	0.174006
TARGET-20-PASXYG-09A	3.38571	3.364706	2.671115	1.124414	3.038611	1.896802	2.699925	0.757152
TARGET-20-PARIMZF-09A	1.090692	4.252293	2.973512	1.971227	2.36165	1.368308	2.346555	0.159719
TARGET-20-PASBPK-09A	2.043652	1.565288	1.94593	3.259646	1.855107	1.612743	3.700682	0.349566
TARGET-20-PANPTM-09A	1.654899	4.165973	2.456902	2.074667	1.694261	1.176063	2.120463	0.370822
TARGET-20-PANPTW-09A	1.151822	1.798351	1.783477	1.907945	1.321971	0.680482	1.737217	1.394868
TARGET-20-PAEFGR-09A	2.989342	3.381765	3.016725	2.373791	3.725888	1.928542	3.271863	0.083682
TARGET-20-PANKKE-09A	1.397315	3.760261	2.557694	1.925912	2.048465	1.275793	2.510302	0.467902
TARGET-20-PARUTH-09A	1.092653	3.277207	2.508166	0.892498	1.514098	1.623104	1.734674	1.243347
TARGET-20-PALGKX-09A	2.95985	4.409682	1.877631	1.105079	2.726261	0.992262	3.303271	0.742713
TARGET-20-PASMY5-04A	2.260134	3.265224	4.134782	1.880857	3.887805	2.562995	2.987006	0.208733
TARGET-20-PARPWL-09A	1.738727	3.793015	2.583894	2.433466	2.069407	1.222641	3.408755	0.232959
TARGET-20-PARANT-09A	1.418727	3.99441	2.382398	0.993839	1.909941	1.771589	2.877493	0.942412
TARGET-20-PARCZL-09A	2.35736	3.664916	3.86225	1.553159	4.580427	1.821558	3.695599	0.220508
TARGET-20-PARCUK-09A	1.752929	3.542284	2.542116	1.444695	1.406117	1.362785	2.100435	1.063964
TARGET-20-PAMYAS-09A	1.628118	3.510442	2.311618	1.017082	2.465923	1.838989	2.852846	1.153047
TARGET-20-PANUUA-09A	1.627148	3.905389	2.413358	2.304338	1.891772	1.214208	2.369206	0.633108
TARGET-20-PARASV-03A	1.674763	3.91973	2.654218	2.021336	1.588543	1.525491	2.157992	0.735463
TARGET-20-PARBRA-09A	1.422156	3.789821	2.6182	1.916003	2.683393	1.161915	2.254619	0.851749
TARGET-20-PANKNB-09A	1.429286	4.156147	2.231974	1.318574	1.169113	0.955814	1.466021	1.314108
TARGET-20-PASLSD-03A	2.427207	2.86101	3.422613	2.101924	3.275776	2.376628	3.456282	0.661612
TARGET-20-PANUTB-09A	2.495972	4.562264	2.749068	1.550965	2.480337	1.409923	3.639152	0.542827
TARGET-20-PAKLPD-09A	1.514024	4.30753	2.666066	2.337756	2.41625	1.44665	2.074023	0.685045
TARGET-20-PASHYZ-04A	2.813621	4.098394	2.873669	0.778308	2.348122	2.204726	3.055385	1.115319
TARGET-20-PARIZR-03A	3.12536	4.005243	3.188781	1.915964	3.752282	2.665638	3.579766	0.456884
TARGET-20-PARIMT-03A	2.608268	4.308109	3.161025	2.503486	3.221184	2.27525	3.732519	0.134901
TARGET-20-PANBZH-09A	2.203244	4.215847	3.466632	1.588802	2.623544	1.700873	2.75178	0.692839
TARGET-20-PANFMG-09A	3.077939	4.882953	2.550199	1.573548	2.765511	1.754085	3.201167	0.673126
TARGET-20-PARYFN-03A	2.684888	4.274718	3.575077	2.286967	3.525874	2.160697	3.429929	0.298153
TARGET-20-PARSHM-03A	2.831668	4.053508	3.102355	2.135979	3.180126	1.805705	3.779785	0.494037
TARGET-20-PANAEV-09A	1.614685	4.420363	2.383596	1.656771	2.097286	1.104503	1.095425	1.446011
TARGET-20-PARUDL-03A	2.108512	4.060342	3.546759	2.822037	3.212046	2.015359	3.889136	0.154809
TARGET-20-PASGWH-09A	2.398389	3.935061	2.708445	0.749008	3.065046	1.38158	2.705936	1.608973
TARGET-20-PASHBI-09A	2.872758	4.142224	3.545732	1.452133	4.181064	2.402028	3.3903	0.880177
TARGET-20-PARDDY-04A	1.370179	2.244279	1.870076	2.061232	2.689749	1.40539	2.293157	1.862184
TARGET-20-PARAJX-09A	1.30543	3.734201	2.565244	1.005684	1.595546	1.288331	1.819451	1.83749
TARGET-20-PAKIYW-09A	2.544324	4.878242	2.473223	2.975956	1.694461	0.994393	1.826341	0.82081
TARGET-20-PASSSI-09A	1.986748	3.326706	3.207125	2.165462	1.934915	1.846508	3.121081	1.058898
TARGET-20-PAMVKZ-09A	2.119338	4.345686	3.132148	1.828965	2.057111	1.75803	2.66669	1.076028
TARGET-20-PARZWH-09A	2.113165	2.272615	3.008221	1.222379	2.166806	2.47106	2.987426	1.90925
TARGET-20-PASVYA-09A	2.405442	3.315457	2.974184	2.698734	3.290224	1.653641	3.615983	0.898875
TARGET-20-PANPKN-09A	2.336599	3.151255	2.472439	3.442228	3.61821	1.529405	3.032167	0.925233
TARGET-20-PATIAK-09A	2.383966	4.268946	3.198042	3.109325	3.428999	1.340547	3.194772	0.544244
TARGET-20-PARCZL-04A	2.781218	4.376082	3.261892	1.055288	2.900046	2.136672	2.956739	1.411885
TARGET-20-PARDMG-09A	2.564622	4.850561	3.296332	2.365107	3.387831	1.655733	3.595272	0.578111
TARGET-20-PALGKX-04A	2.5681	3.296582	3.408661	2.041091	3.146883	2.160105	3.17029	1.221689
TARGET-20-PARYVW-09A	3.312324	0.315681	3.021867	1.089888	2.901923	2.501722	3.774593	2.407027
TARGET-20-PANVGP-03A	3.21784	5.262043	3.687472	0.937101	3.650088	2.226829	3.207223	1.080334
TARGET-20-PASVVS-09A	2.805419	4.677128	2.891104	1.765919	3.479726	1.740537	3.028113	1.154816
TARGET-20-PAEAKL-09A	2.286928	4.720228	2.620482	2.251663	3.12224	1.18348	1.815054	1.339687
TARGET-20-PADYIR-09A	2.967444	2.351392	3.861529	2.733806	3.524596	3.212054	4.141035	0.867523
TARGET-20-PANNHB-09A	2.473873	4.605638	3.397641	1.271229	2.862685	2.405241	3.970837	1.03471
TARGET-20-PASMGW-09A	1.699208	3.737399	2.468508	2.538279	2.39082	1.944073	2.5816	1.329143
TARGET-20-PASYJI-04A	2.550033	3.457393	3.765614	2.255787	3.542489	2.042735	2.788231	1.142881
TARGET-20-PANSJB-09A	1.395356	4.041497	1.958215	2.453521	2.443254	1.438827	2.338628	1.501783
TARGET-20-PARUBT-04A	1.929877	3.364525	2.332238	1.639548	2.730566	1.755922	3.089089	1.746552
TARGET-20-PASPTM-09A	2.449068	3.45305	2.526331	1.126728	2.559089	1.637532	3.869295	1.756932
TARGET-20-PANGTF-09A	2.197122	4.670434	3.505402	3.467247	3.687412	2.776492	3.610631	0.236981
TARGET-20-PARXBT-09A	2.855638	5.235987	3.785795	2.378041	3.110602	1.943952	3.275013	0.590381
TARGET-20-PAEIKD-04A	2.378215	4.555249	2.388359	2.184161	2.578728	1.581065	3.968269	1.109918
TARGET-20-PASHYZ-09A	2.169613	4.373696	2.907951	1.339203	2.483771	1.411442	2.945836	1.616623
TARGET-20-PARENB-09A	3.556667	4.926821	3.530602	1.230125	3.961233	2.731913	2.760897	1.408434
TARGET-20-PARHVK-09A	2.1645	3.548862	2.535454	1.092397	2.762786	1.455303	2.627147	2.1792
TARGET-20-PATIAK-04A	2.907883	5.066679	3.177866	2.207507	2.942637	1.699313	4.110429	0.837462
TARGET-20-PARYFN-04A	2.936832	4.05864	3.336397	2.317982	3.038247	2.071426	3.862076	1.110098
TARGET-20-PARYGA-09A	1.956367	4.906015	2.353554	3.320359	2.137225	1.572299	2.556999	1.068929
TARGET-20-PATDNN-04A	2.810457	4.208045	3.260944	2.094808	2.299174	1.438623	2.445519	1.576237
TARGET-20-PASCFW-09A	3.09404	4.576221	2.667831	1.8921	3.018705	1.677387	3.717634	1.26024
TARGET-20-PARTAL-09A	2.769782	4.132009	3.500317	2.942512	2.963524	1.855292	3.683752	0.896899
TARGET-20-PARLVL-04A	2.851387	4.722409	2.952311	1.657645	2.5689	2.204748	4.289131	1.58909
TARGET-20-PAMYAS-04A	2.427925	4.459988	2.809205	1.365858	3.014112	1.951574	3.245679	1.740586
TARGET-20-PANLIR-09A	3.184363	3.283545	3.206323	3.095428	3.151305	1.882316	3.162141	1.293703
TARGET-20-PASWAJ-09A	2.242189	3.95001	1.806988	1.532816	1.815242	1.265614	1.788844	2.489079
TARGET-20-PARTAL-09A	2.082382	4.226513	3.252049	3.955065	2.979498	1.293251	3.961279	0.535258
TARGET-20-PARZUU-09A	3.835383	5.221656	3.630136	1.669773	3.482892	2.116154	4.233182	1.081278
TARGET-20-PARBIU-09A	3.66							

Table S4 The expression of 8 signature genes in the validation set

Gene	DNMT3B	IGF2BP2	METTL16	NSUN2	TET2	TRMT10C	TRMT6	ZC3H13
THDN96C	253.2129	191.0131	86.86525	256.3893	32.9016	55.77327	106.1492	140.7565
THDN213C	131.3174	41.29868	79.46424	229.3419	37.38756	69.01245	120.0888	142.4686
THDR106C	127.4452	169.7937	60.33348	203.9929	35.97607	82.43832	101.9361	368.0736
THDN6Plus2	164.7502	194.4964	90.96293	273.7209	29.5419	93.51079	154.5578	167.1623
THDN95C	323.77	40.23264	70.80812	311.8996	32.92161	60.06467	79.83406	77.39994
THDN102C	172.0137	26.26485	70.16201	184.3991	36.28541	57.0516	139.155	122.5188
THDN210C	373.2837	167.6259	65.08756	322.0403	36.76985	63.60358	86.08485	260.7426
THDNS2	167.5023	33.67683	64.51994	273.7376	33.46895	55.62727	98.00973	104.5185
THDR114C	151.8362	173.04	68.30148	190.0021	28.9102	72.84648	118.7177	144.3302
THDR105C	189.8366	31.76352	63.80569	208.3782	33.02631	66.45441	115.5729	92.58863
THDN101C	168.2973	25.26165	66.71744	299.7302	27.53637	53.7743	133.4609	221.5688
THDR107C	178.0153	38.75148	78.92942	238.7469	27.64642	59.73687	144.6291	89.42455
THDN100C	325.3622	51.57589	52.79033	324.9573	35.16708	48.84868	147.7214	103.3417
THDN211C	173.2711	112.9417	61.35362	280.5842	29.3726	62.7389	124.231	350.5112
THDN104C	279.9792	98.58573	65.91674	215.5936	26.37065	63.02031	114.6036	119.2632
THDN216C	222.666	30.10377	65.51827	263.5425	28.93854	59.04241	74.59387	110.1137
THDNS20	237.5747	39.76565	67.51016	175.1056	30.86361	64.67644	87.3764	77.30669
THDR196C	211.9985	34.59989	63.73453	229.019	34.2343	61.0293	142.6266	146.5147
THDR234C	180.8859	165.359	71.41797	254.1261	35.52467	50.45034	124.7301	126.2074
THDR111C	202.3793	59.74191	49.15711	224.4352	36.20719	58.47612	160.5007	105.5201
THDN98C	304.1092	36.86196	66.17317	232.5913	30.12306	57.20232	132.6651	117.8512
THDN212C	241.2185	36.03462	65.65183	249.9382	35.44657	69.43746	73.44232	83.97688
THDNS6	222.1458	29.54827	54.59074	234.5785	31.30752	53.95776	158.5716	107.8628
THDN237C	215.1058	70.03501	80.27837	212.6707	35.92308	87.32636	144.2697	131.5821
THDR194C	164.6257	41.42516	62.43389	191.9676	35.66014	55.67619	118.5441	88.06995
THDR108C	123.1369	32.31735	61.31587	260.9247	43.879	61.86274	178.2452	94.90354
THDR205C	142.4951	171.5681	82.5067	186.526	28.25513	75.83813	85.77874	223.1343
THDR23Plus2	195.4153	36.0345	44.14796	337.4483	34.49405	50.44151	178.0386	120.1816
THDRS12	235.4271	23.26317	56.63914	277.0965	34.37266	53.38493	136.0625	128.7846
THDR232C	147.0349	49.35317	53.2073	240.801	35.66782	53.9268	160.0996	133.9297
THDR229C	273.6935	24.47482	69.37604	233.1815	25.68345	59.65185	88.3306	121.2333
THDR207C	165.0397	56.58112	71.82954	221.2811	30.14828	63.68863	137.382	69.25156
THDR226C	228.0964	25.36536	85.52402	229.0951	27.39102	74.57459	122.9549	180.0318
THDN235C	271.8946	37.49265	43.97751	248.9679	29.73552	52.6774	113.5051	105.1522
THDN214C	163.3482	25.43847	62.73135	330.377	46.57833	52.75142	337.0268	170.7712
THDR208C	245.1814	26.76252	67.73359	181.5687	27.21847	62.06	126.467	85.16676
THDR202C	132.2033	30.39872	54.34331	173.2685	35.88092	59.88333	100.1792	99.58256
THDR112C	211.9108	41.76895	80.1948	196.9742	29.2938	78.39311	108.7387	89.22949
THDN97C	307.9082	30.72385	61.09811	236.257	34.35173	57.14755	97.56929	93.77569
THDN222C	286.5447	32.5219	61.29592	295.2214	27.43561	63.28174	122.9645	85.7546
THDN99C	263.5222	167.7938	59.87022	276.5277	27.62042	63.34704	117.1807	157.4495
THDR230C	230.7684	97.76663	58.44618	402.0269	38.62763	46.67312	182.9189	112.3991
THDN219C	253.8904	50.31572	52.08889	363.6242	29.87211	46.56041	193.6203	171.0204
THDN217C	317.9875	25.81365	54.78076	246.6226	33.71206	44.38167	161.0013	158.923
THDN103C	203.0467	26.95184	62.5011	436.868	36.96914	43.06242	324.9805	161.2723
THDN218C	312.5622	87.88657	79.85285	238.398	24.03206	62.67552	132.164	78.37665
THDR110C	295.8136	36.53211	49.3135	445.8966	31.46464	43.96623	148.7646	222.1828
THDN224C	265.7128	32.04922	58.09758	399.1758	31.41138	52.96273	268.1682	82.44046
THDNS15	334.4547	201.5974	86.0177	241.799	32.46997	53.15741	127.7718	254.442
THDR203C	290.5152	486.8819	62.17162	314.3058	36.08721	53.18458	151.1883	170.5864