

Tapestri Single-cell DNA Acute Lymphoblastic Leukemia Published Panel

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Publication: Albertí-Servera, L. et al. *Blood* (2021)

Designed by leading researchers in hematologic oncology, Tapestri Single-cell DNA Published Panels have been featured in a peer-reviewed publication and verified for performance. Advance your understanding of the genetic heterogeneity underpinning acute lymphoblastic leukemia (ALL) by targeting **112 genes with 305 amplicons** for single-cell sequencing. The ALL Published Panel is designed to target the most commonly mutated hotspots in ALL, as defined by COSMIC and PeCan databases.

PANEL SPECIFICATIONS

Metric	Value
Number of genes	112
Target type possible	SNVs, CNVs, Indels, LOH
Number of amplicons	305
Amplicon length	175-275 bp
Panel uniformity: % of amplicons >0.2x mean	≥80%
Amplicon completeness: % of amplicons in >80% of cells	≥80%
Cell completeness: % of cells with >80% amplicons above 10 reads	≥80%
Recommended number of reads per sample	~125M

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designer.missionbio.com/catalogpanels/ALL-VIB

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DataSheet_MissionBio_Lymphoblastic_Leukemia_Published_Panel_RevA

112-GENE ACUTE LYMPHOBLASTIC LEUKEMIA PUBLISHED PANEL

NOTCH1	IKZF1	TBL1XR1	ERG	SUZ12	TSPYL2	USH2A	IKZF3	SERPINA1	RPL10
TP53	FBXW7	SH2B3	GATA3	ZNF217	XBP1	WT1	ITSN1	SLC25A33	SPTBN5
FLT3	DNM2	ZFP36L2	LEF1	ASXL2	ZEB2	WTIP	LMO2	SLC5A1	TAL1
PTEN	CTCF	JAK2	MYC	GNB1	ZFHX4	ZFR2	LRFN2	SLC6A18	TP53BP1
PAX5	KRAS	JAK3	SMARCA4	MED12	AKT1	ATRX	MGA	SORCS1	
SETD2	KDM6A	NRAS	BTG1	STAT5B	CBL	BCOR	NOS1	TNIP2	
ETV6	PHF6	USP9X	EZH2	ABL1	CCND3	CDKN1B	NOTUM	UBA2	
IL7R	RUNX1	ASXL1	RPL5	DDX3X	FAT1	DNAH5	OPN5	CRLF2	
KMT2D	JAK1	BCORL1	BRAF	HDAC7	HCN4	DNMT3A	ORAI1	EBF1	
USP7	PTPN11	CNOT3	CDKN2A	KMT2C	IDH2	EGFR	OVGP1	IDH1	
BCL11B	NF1	MYB	CHD4	PIK3CA	KLF9	EPOR	PHIP	MDGA2	
CREBBP	PIK3R1	EP300	NCOR1	RB1	TCF3	FREM2	RPL22	MYCN	

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