

Tapestri Single-cell DNA Myeloid Published Panel

Designed by: Koichi Takahashi Lab

Institution: MD Anderson Cancer Center

Publication: Morita, K. et al. *Nature Communications* (2020)

Designed by leading researchers in hematology-oncology, Tapestri Single-cell DNA Published Panels are featured in a peer-reviewed publication and have been verified for performance. Advance your understanding of the clonal heterogeneity and evolution underpinning myeloid malignancies such as acute myeloid leukemia by targeting **37 genes with 279 amplicons** for single-cell sequencing. The Myeloid Published Panel is designed to target the most commonly mutated hotspots in myeloid malignancies.

PANEL SPECIFICATIONS

Metric	Value
Number of genes	37
Target type possible	SNVs, CNVs, Indels, LOH, ITDs
Number of amplicons	279
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	~115M

37-GENE MYELOID PUBLISHED PANEL

ASXL1	DNMT3A	IDH1	KRAS	NRAS	RUNX1	SRSF2	WT1
BCOR	ETV6	IDH2	MPL	PHF6	SETBP1	STAG2	ZRSR2
CALR	EZH2	JAK2	MYC	PPM1D	SF3B1	TET2	-
CBL	FLT3	KDM6A	NF1	PTPN11	SMC1A	TP53	-
CSF3R	GATA2	KIT	NPM1	RAD21	SMC3	U2AF1	-

LEARN MORE

designer.missionbio.com/catalogpanels/Myeloid-MDACC

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