

# Tapestri Single-cell DNA Myeloid Clonal Evolution Published Panel

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**Institution: Memorial Sloan Kettering Cancer Center**

**Publication: Miles, L. A. et al. *Nature* (2020)**

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 a comprehensive set of myeloid disorders by targeting **31 genes with 109 amplicons** for single-cell sequencing. The Myeloid Clonal Evolution Published Panel is designed to target the most commonly mutated hotspots found to be frequently mutated in human myelodysplastic syndromes (MDS), myeloproliferative neoplasms (MPN), and acute myeloid leukemia (AML).

## PANEL SPECIFICATIONS

Metric	Value
Number of genes	31
Target type possible	SNVs, CNVs, Indels, LOH
Number of amplicons	109
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	~45M

### LEARN MORE

[designer.missionbio.com/catalogpanels/Myeloid-MSK](https://designer.missionbio.com/catalogpanels/Myeloid-MSK)

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## 31-GENE MYELOID CLONAL EVOLUTION PUBLISHED PANEL

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ASXL1	CBL	FLT3	JAK2	NPM1	PTPN11	SF3B1	TP53
ATM	CHEK2	GATA2	KIT	NRAS	RAD21	SRSF2	U2AF1
BRAF	DNMT3A	IDH1	KRAS	PHF6	RUNX1	STAG2	WT1
CALR	EZH2	IDH2	MPL	PPM1D	SETBP1	TET2	

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