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DATA SHEET

Tapestri Single-Cell DNA Genome-Wide CNV Panel

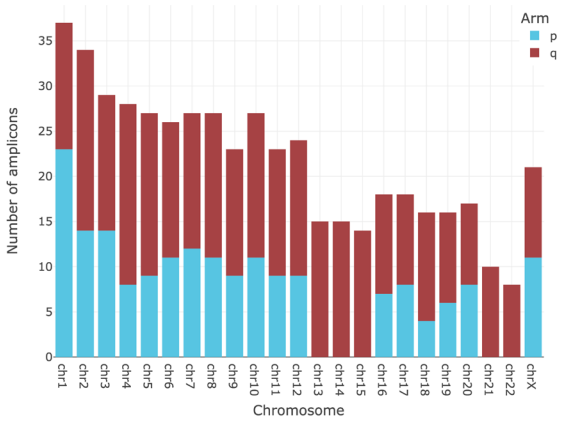
This 500-amplicon panel uniformly covers copy number variations (CNV) in nearly the entire human genome to assess genome integrity, including sub-chromosomal deletions and duplications, and whole chromosomal aneuploidy. This panel can be used to assess the genomic integrity of primary cells and stem cells/iPSCs to evalualte cell and gene therapies for safety or to interrogate clonal heterogeneity of CNVs underlying tumor evolution and therapy resistance in cancer research. This panel has been verified in a wet lab to meet performance specifications.

Panel Specifications

Metric	Value
Resolution	5 - 15 Mb
Average number of amplicons per region (15 Mb)	3
Target type possible	CNVs, LOH
Number of amplicons	500
Amplicon length	190 - 270 bp
Panel uniformity: % of amplicons >0.2x mean	≥90%
Panel size	91.15 kb
% of amplicons with high GC content	2%
Recommended number of reads per run	330M

AMPLICON DISTRIBUTION PER CHROMOSOME

NUMBER OF AMPLICONS PER CHROMOSOMAL ARM



LEARN MORE

https://designer.missionbio.com/catalogpanels/gwCNV/

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