

Tapestri Single-Cell DNA CHL Panel

Advance your understanding of the genetic heterogeneity underpinning classic Hodgkin's Lymphoma (CHL) by targeting **11 genes with 38 amplicons** for single-cell sequencing. Covering a combination of oncogenes and tumor suppressor genes, this panel is designed to cover some of the most commonly mutated genes associated with CHL.

Panel Specifications

Metric	Value
Number of genes	11
Number of targets	73
Target type	SNVs, indels
Number of amplicons	38
Coverage	98.24%
Panel Size	6.7 kb
Amplicon length	175 - 275 bp
Panel uniformity: % of amplicons >0.2x mean	>=90%
Amplicon completeness: % of amplicons in >80% of cells	>=80%
Cell completeness: % of cells with >80% amplicons above 10 reads	>=80%
Verified NGS systems	MiSeq, NextSeq, HiSeq, NovaSeq
Recommended number of reads per sample	~23 M

Table 1: Panel specifications.

11-GENE CHL PANEL

B2M	NFKBIA	SOCS1	TNFAIP3
MYB	PRDM1	STAT3	TP53
MYC	REL	STAT6	-

Table 2: Panel gene targets.

Panel Targets

Gene	Exon	Protein-level Variants	cDNA Variants
B2M	1	M1; L7; L12	c.11_26delinsAGGTGG; c.37_40delCTCT
	2		c.302_303delGT
MYB	2	E14; K35; C45	c.39_40insAAGCAA; c.40_41insTGGG-CC; c.40_41insCCA; c.40_41insGCCGTA; c.41_42insAAAGG-GCTTAGGCGCTTCCA; c.46_48delGAT; c.104_105insAGC; c.105_106insT
	3	N68	
	5	S146	

Gene	Exon	Protein-level Variants	cDNA Variants
MYB	8	L301	
	9		c.1108_1128del; c.1111delCinsAC; c.1112delC
	10		c.1212_1221del
MYC	1	N9	c.2196_2197delGG
	4	L40	c.2369_2374delG-TACCA
NFKBIA	2	L89	

Table 3: Panel content. Exon numbers are based on canonical isoform provided by NCBI's Reference Sequence database

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Panel Targets (cont'd)

Gene	Exon	Protein-level Variants	cDNA Variants
PRDM1	2	C22	
	4	W122	
	5		c.1464_1468delGG-CAG
	6	Q583	
	Intron		c.183+2T>G
REL	10	Y359	
	11		c.1423_1425delTCA
SOCS1	2	S205; Q210	
STAT3	8	D242	
	14	D427	
	19	D566	
	20	G617; S614	c.1847_1849delAAG
	21	Y640; K658; I659; D661	
STAT6	12	D419	
TNFAIP3	2	W85	c.66_67delGG; c.149_155delTGTTTCAG
	4	W168	c.549_550insTG- GCTCCACAGACA- CACCCATGGCCCGA
	5		c.745_751del- GTTCTCG
	6	L302	c.926_927insT
	7	R364; E452; T474; V571	c.1295_1296del- GC; c.1370delC; c.1758_1809del; c.1879_1880delTG
	9	Q737; E751; A753	c.2274_2275insCC
TP53	5	Y163	
	6	E224; L194	
	8		c.874delA

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