

Tapestri Single-Cell DNA FL Panel

Advance your understanding of the genetic heterogeneity underpinning follicular lymphoma (FL) by targeting **15 genes with 68 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 FL.

Panel Specifications

| Metric | Value |
|--|--------------------------------|
| Number of genes | 15 |
| Number of targets | 143 |
| Target type | SNVs, indels |
| Number of amplicons | 68 |
| Coverage | 99.45% |
| Panel Size | 12.7 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 | ~41 M |

Table 1: Panel specifications.

15-GENE FL PANEL

| | | | |
|----------|---------|--------|-------|
| TNFRSF14 | TNFAIP3 | STAT6 | CD79B |
| ARID1A | CARD11 | CREBBP | BCL2 |
| NOTCH2 | EZH2 | SOCS1 | EP300 |
| TET2 | KMT2D | TP53 | |

Table 2: Panel gene targets.

Panel Targets

| Gene | Exon | Protein-level Variants | cDNA Variants |
|----------|--------|-------------------------------------|---|
| TNFRSF14 | 1 | M1;W7;P9;W12;S14 | c.41_45delCCAC-C; c.43_47delIAC-CCC; D19H; c.69delG |
| | 3 | G60;Y61;E65;G72;C78;T82;S91;C96;Q97 | c.225_226delITG |
| | 5 | Q158;C162;Q180 | |
| | 6 | W201; W203; W204; V215; G232; V267 | c.576_585del |
| | Intron | | c.69+2T>C |
| ARID1A | 3 | Q479 | |
| | 5 | G721 | |

| Gene | Exon | Protein-level Variants | cDNA Variants |
|---------|------|------------------------|---|
| ARID1A | 15 | R1276 | |
| | 18 | | c.4834_4835delAA |
| NOTCH2 | 5 | C284 | |
| | 34 | | c.6880_6887de-IATAACCAC; c.6404_6405delTG |
| TET2 | 10 | P1419 | |
| | 11 | I1762 | |
| TNFAIP3 | 2 | | c.291_295+4delGAAC-GGTAA |
| | 9 | | c.2109_2110delITG |

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 |
|--------|--------|-------------------------------------|--|
| CARD11 | 4 | F115 | |
| | 6 | D230;Q249;S250 | c.183+2T>G |
| EZH2 | 16 | N640;Y646 | |
| | 18 | A682 | c.1423_1425delTCA |
| KMT2D | 10 | P511 | |
| | 11 | | c.3225_3226delTG |
| | 16 | | c.4479delT |
| | 17 | Q1545 | |
| | 19 | | c.4785_4786delTG |
| | 25 | | c.5548_5549delG-GinsC |
| | 26 | | c.5754_5758delTAC-GC |
| | 31 | Q2237;Q2514 | |
| | 32 | R2734 | c.8118_8119insT |
| | 34 | R2915 | c.9185delA |
| | 36 | Q3471 | |
| | 38 | Q3575 | |
| | 39 | Q3860;G4046;Q4220 | |
| | 43 | | c.14017_14018delAG |
| | 44 | W4730 | |
| | 48 | C5092 | c.15251delT; c.14840_14843 dup-CCTC |
| | 53 | | c.16469_16470delAA |
| Intron | | c.839+2T>A | |
| STAT6 | 12 | D419 | |
| CREBBP | 18 | | c.3565delA |
| | 24 | T1332;N1350 | |
| | 26 | Y1433;R1446;Y1460 | |
| | 27 | Y1482;I1483;F1484;L1499;W1502;Y1503 | |
| | Intron | | c.3982+2T>A |
| SOCS1 | 2 | Q210 | |

| Gene | Exon | Protein-level Variants | cDNA Variants |
|-------|------|---|-----------------------|
| TP53 | 5 | | c.448_460del |
| | 5 | V157 | c.391_393delAAC |
| | 6 | | c.522_539del |
| | 6 | R213;S215;V218 | |
| | 7 | G187;Y234;S241;G244;G245;R248;P250;I254;D259 | c.724_739del |
| CD79B | 8 | C238; S261; C277; E286; R290 | |
| | 6 | | c.619_620insT |
| BCL2 | 2 | A2;A4;R6;T7;W30;D31;G33;R129;A131;V134;N163;E165;A174;E179;H184 | |
| EP300 | 5 | L415 | |
| | 18 | | c.3442_3447del-GTCTTT |
| | 27 | W1466;Y1467 | |

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