

# Next Generation Sequencing Test Menu

- **AML**

- **Flt3**
- **Npm1**
- **Cebpa**
- **cKit**

- **Extended AML Panel**

- **ASXL1** (Exon 12)
- **CBL** (Exon 8+9)
- **DNMT3A** (full)
- **IDH1** (Exon 4)
- **IDH2** (Exon 4)
- **KIT** (Exon 8)
- **RUNX1** (full)
- **TET2** (Exons 3-11)

- **MDS**

- **ASXL1** (Exon 12)
- **DNMT3A** (full)
- **ETV6/TEL** (full)
- **EZH2** (full)
- **RUNX1** (full)
- **SRSF2** (Exon 1)
- **SF3B1** (Exons 13-16)
- **TET2** (Exons 3-11)
- **TP53** (2-11)

- **MPN**

- **ASXL1** (Exon 12)
- **CALR** (Exon 9)
- **CBL** (Exons 8+9)
- **CSF3R** (Exons 14-17)
- **JAK2** (Exons 12+14)
- **MPL** (Exon 10)
- **RUNX1** (full)
- **SETBP1** (Exon 4 partial)
- **SRSF2** (Exon 1)
- **SF3B1** (Exons 13-16)
- **TET2** (Exons 3-11)



# Comprehensive Gene List

<b>GENE</b>	<b>TARGET REGION (EXON)</b>	<b>GENE</b>	<b>TARGET REGION (EXON)</b>
<b>ABL1</b>	4-6	<b>JAK3</b>	13
<b>ASXL1</b>	12	<b>KDM6A</b>	full
<b>ATRX</b>	8-10 and 17-31	<b>KIT</b>	2,8-11,13+17
<b>BCOR</b>	full	<b>KRAS</b>	2,3
<b>BCORL1</b>	full	<b>MLL</b>	5-8
<b>BRAF</b>	15	<b>MPL</b>	10
<b>CALR</b>	9	<b>MYD88</b>	3-5
<b>CBL</b>	8+9	<b>NOTCH1</b>	26-28+34
<b>CBLB</b>	9+10	<b>NPM1</b>	12
<b>CBLC</b>	9+10	<b>NRAS</b>	2,3
<b>CDKN2A</b>	full	<b>PDGFRA</b>	12,14,18
<b>CEBPA</b>	full	<b>PHF6</b>	full
<b>CSF3R</b>	14-17	<b>PTEN</b>	5+7
<b>CUX1</b>	full	<b>PTPN11</b>	3+13
<b>DNMT3A</b>	full	<b>RAD21</b>	full
<b>ETV6/TEL</b>	full	<b>RUNX1</b>	full
<b>EZH2</b>	full	<b>SETBP1</b>	4 (partial)
<b>FBXW7</b>	9,10,11	<b>SF3B1</b>	13-16
<b>FLT3</b>	14,15+20	<b>SMC1A</b>	2,11,16+17
<b>GATA1</b>	2	<b>SMC3</b>	10,13,19,23,25+28
<b>GATA2</b>	2-6	<b>SRSF2</b>	1
<b>GNAS</b>	8,9	<b>STAG2</b>	full
<b>HRAS</b>	2,3	<b>TET2</b>	3-11
<b>IDH1</b>	4	<b>TP53</b>	2-11
<b>IDH2</b>	4	<b>U2AF1</b>	2+6
<b>IKZF1</b>	full	<b>WT1</b>	7+9
<b>JAK2</b>	12+14	<b>ZRSR2</b>	full