

## HMDS: Genomics Analysis

### *Technology: Next Generation Sequencing*

Screening of large targeted single or multigene panels for genetic variants

| Tests<br>Lymphoid Gene Panel (MiSeq) |         |  |
|--------------------------------------|---------|--|
| ARID1A                               | SF3B1   |  |
| ATM                                  | TNFAIP3 |  |
| BIRC3                                | TP53    |  |
| BRAF                                 |         |  |
| BTK                                  |         |  |
| CD79B                                |         |  |
| CXCR4                                |         |  |
| KLF2                                 |         |  |
| MAP2K1                               |         |  |
| MYD88                                |         |  |
| NOTCH1                               |         |  |
| NOTCH2                               |         |  |
| PLCG2                                |         |  |
| POT1                                 |         |  |
| RPS15                                |         |  |



**Tests**  
**Myeloid Gene Panel (MiSeq)**

|        |          |  |
|--------|----------|--|
| DNMT3A | CBL      |  |
| IDH1   | cKIT     |  |
| IDH2   | CSF3R    |  |
| TET2   | FLT3 TKD |  |
| ASXL1  | JAK2     |  |
| EZH2   | KRAS     |  |
| SF3B1  | MPL      |  |
| SRSF2  | NRAS     |  |
| U2AF1  | STAT3    |  |
| ZRSR2  | STAG2    |  |
| BCOR   | CALR     |  |
| NPM1   | RHOA     |  |
| RUNX1  | SETBP1   |  |
| TP53   |          |  |
| WT1    |          |  |



**Tests**  
**Pan HaemOnc Gene Panel (NextSeq)**

|         |        |        |         |       |
|---------|--------|--------|---------|-------|
| ANKRD26 | CUX1   | IKZF1  | PIK3CD  | TP53  |
| ARAF    | CXCR4  | IRF4   | PLCG2   | U2AF1 |
| ARID1A  | DDX41  | JAK2   | POT1    | UBA1  |
| ASXL1   | DIS3   | KIT    | PPM1D   | WT1   |
| ATM     | DNMT3A | KLF2   | PTEN    |       |
| BCL2    | EP300  | KMT2A  | PTPN11  |       |
| BCOR    | ERBB3  | KMT2C  | RAD21   |       |
| BIRC3   | ETNK1  | KRAS   | RHOA    |       |
| BRAF    | ETV6   | MAP2K1 | RPS15   |       |
| BTK     | EZH2   | MAP3K1 | RUNX1   |       |
| CALR    | FAM46C | MEF2B  | SETBP1  |       |
| CARD11  | FBXW7  | MPL    | SF3B1   |       |
| CBL     | FLT3   | MYD88  | SH2B3   |       |
| CCND3   | FOXO1  | NF1    | SRSF2   |       |
| CD79B   | GATA1  | NFE2   | STAG2   |       |
| CDKN1B  | GNB1   | NOTCH1 | STAT3   |       |
| CEBPA   | HRAS   | NOTCH2 | STAT5B  |       |
| CHEK2   | ID3    | NPM1   | TCF3    |       |
| CREBBP  | IDH1   | NRAS   | TET2    |       |
| CSF3R   | IDH2   | PIK3CA | TNFAIP3 |       |