



HMDS: Genomics Analysis

Technology: Next Generation Sequencing

Screening of large targeted single or multigene panels for genetic variants

Tests 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	
BTX	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	



Tests
MPN BLPD Gene Panel (Ion Torrent)

CSF3R_ Ex14				
MPL_ Ex10				
JAK2_ Ex12				
JAK2_ Ex14				
CALR_ Ex9				