

Complete list of genes covered by the Illumina AmpliSeq Focus or TruSight Myeloid NGS panels.

Ampliseq Focus Panel

DNA: genes covered for hotspot variants (exons in brackets) and/or *amplifications				
AKT1 (3)	DDR2 (5)	FGFR3* (7,9,14,16)	JAK2 (14)	MYC*, MYCN*
ALK* (21-25)	EGFR* (3,7,12,15,18-21)	FGFR4*	JAK3 (11-12,15)	NRAS (2-4)
AR* (6,8)	ERBB2* (8,17-22)	GNA11 (4-5)	KIT* (8-11,13,17)	PDGFRA* (12,14,18)
BRAF* (11,15)	ERBB3 (2-3,6,8-9)	GNAQ (4-5)	KRAS* (2-4)	PIK3CA* (2,5-6,8,10,14,19,21)
CCND1*	ERBB4 (18)	HRAS (2-3)	MAP2K1 (2-3,6)	RAF (7,12)
CDK4* (2)	ESR1 (9)	IDH1 (4)	MAP2K2 (2)	RET (10-11,13,15-16)
CDK6*	FGFR1*	IDH2 (4)	MET* (14,16,19)	ROS1 (36,38)
CTNBN1 (3)	FGFR2* (7,9,12,14)	JAK1 (14-16)	MTOR (30,39-40,43,47,53)	SMO (4,6,8-9)

RNA: driver gene fusions					
ABL1	BRAF	ETV1	FGFR2	NTRK2	RAF1
ALK	EGFR	ETV4	FGFR3	NTRK3	RET
AKT3	ERBB2	ETV5	MET	PDGFRA	ROS1
AXL	ERG	FGFR1	NTRK1	PPARG	

TruSight Myeloid Panel

DNA: genes covered for hotspot variants (exons in brackets)				
ABL1 (4-6)	CEPBA	HRAS (2-3)	MYD88 (3-5)	SF3B1 (13-16)
ASXL1 (12)	CSF3R (14-17)	IDH1 (4)	NOTCH1 (26-28,34)	SMC1A (2,11,16-17)
ATRX (8-10,17-31)	CUX1	IDH2 (4)	NPM1 (12)	SMC3 (10,13,19,23,25,28)
BCOR	DNMT3A	IKZF1	NRAS (2-3)	SRSF2 (1)
BCORL1	ETV6/TEL	JAK2 (12,14)	PDGFRA (12,14,18)	STAG2
BRAF (15)	EZH2	JAK3 (13)	PHF6	TET2 (3-11)
CALR (9)	FBXW7 (9-11)	KDM6A	PTEN (5,7)	TP53 (2-11)
CBL (8-9)	FLT3 (14-15,20)	KIT (2,8-11,13,17)	PTPN11 (3,13)	U2AF1 (2,6)
CBLB (9-10)	GATA1 (2)	KRAS (2-3)	PAR21	WT1 (7,9)
CBLC (9-10)	GATA2 (2-6)	MLL (5-8)	RUNX1	ZRSR2
CDKN2A	GNAS (8-9)	MPL (10)	SETBP1 (4)	

For specimen collection requirements please refer to the Laboratory Test Catalogue