

TruSight Myeloid next generation sequencing kit: reportable range

MD2-MT082-AN01

M01

Below you find the genes included in the sequencing kit, the regions theoretically covered for each gene (clinical target) and the regions that systematically drop-out.

The **reportable range** is the clinical target – systematic drop-outs. Sample specific exceptions on the reportable range are mentioned on the report.

Gene	RefSeq (hg19) transcript	Covered exons in RefSeq transcript	Systematic drop-outs
ABL1	NM_007313.2	4-6	
ASXL1	NM_015338.5	14	p.601-p.641
ATRX	NM_000489.4	8,10,11,17-31	
BCOR	NM_001123385.1	full	exon 3, exon 12, p.236-p.286 and p.1659-p.1699
BCORL1	NM_001184772.2	1-7,9,10,12,13	p.250-p.385, p.509-p.537, p.1762-p.1786
BRAF	NM_004333.4	15	
CALR	NM_004343.3	9	
CBL	NM_005188.3	8-9	
CBLB	NM_170662.3	9-10	
CBLC	NM_012116.3	9,11	
CDKN2A	NM_000077.4	full	p.1-p.48, p.51-p.91
CEBPA	NM_004364.3	full	full
CSF3R	NM_156039.3	14-17	p.739-p.811
CUX1	NM_001202543.1	full	exon 1, p.1367-p.1516
DNMT3A	NM_175629.2	full	exon 6
ETV6	NM_001987.4	full	
EZH2	NM_004456.4	full	
FBXW7	NM_033632.3	9-11	p.473-p.486
FLT3	NM_004119.2	14-15+20	
GATA1	NM_002049.3	2	p.1-p.59
GATA2	NM_001145661.1	4-8	p.155-p.220, exon 7a
GNAS	NM_000516.5	8,9	

HRAS	NM_005343.2	2,3	full
IDH1	NM_005896.3	4	
IDH2	NM_002168.3	4	
IKZF1	NM_006060.5	full	p.284-p.411
JAK2	NM_004972.3	12,14	
JAK3	NM_000215.3	13	full
KDM6A	NM_001291415.1	full	
KIT	NM_000222.2	2,8-11,13,17	
KMT2A (=MLL)	NM_001197104.1	1,3,5,6,7,27 (all partial), 8	not reported (subject of further validation)
KRAS	NM_004985.4	2,3	
MPL	NM_005373.2	10	
MYD88	NM_002468.4	3-5	
NOTCH1	NM_017617.3	26-28,34	p.2502-p.2556
NPM1	NM_002520.6	12	
NRAS	NM_002524.4	2,3	exon 3
PDGFRA	NM_006206.4	12,14,18	
PHF6	NM_001015877.1	full	
PTEN	NM_000314.6	5,7	
PTPN11	NM_002834.3	3,13	
RAD21	NM_006265.2	full	exon 8
RUNX1	NM_001754.4	full	p.33-p.51
SETBP1	NM_015559.2	6 (partial)	
SF3B1	NM_012433.3	13-16	
SMC1A	NM_006306.3	2,11,16,17	
SMC3	NM_005445.3	10,13(partial),19,23,25(partial)	
SRSF2	NM_003016.4	1	p.53-p.121
STAG2	NM_001042749.2	3-5, 6(partial), 7-35	exon 7, exon 9, p.699-p.725
TET2	NM_001127208.2	3-11	
TP53	NM_000546.5	2-11	

U2AF1	NM_006758.2	2,7	
WT1	NM_024426.4	8, 10	
ZRSR2	NM_005089.3	full	exon 2, p385-p460