

As a professional service, FoundationOne Liquid CDx interrogates 324 genes, including 309 genes with complete exonic (coding) coverage and 15 genes with only select non-coding coverage (indicated with an *); **75 genes (indicated in bold) are captured with increased sensitivity** and have complete exonic (coding) coverage unless otherwise noted. The test also detects tumor fraction and the genomic signatures blood mutational burden (bTMB) and microsatellite instability high (MSI-H) status.

ABL1 [Exons 4-9]	ALOX12B	ASXL1	BAP1	BCR* [Introns 8, 13, 14]	BRIP1	CASP8
ACVR1B	AMER1 (FAM123B)	ATM	BARD1	BRAF [Exons 11-18, Introns 7-10]	BTG1	CBFB
AKT1 [Exon 3]	APC	ATR	BCL2	BRC A1 [Introns 2, 7, 8, 12, 16, 19, 20]	BTG2	CBL
AKT2	AR	ATR X	BCL2L1	BRCA1 [Introns 2, 7, 8, 12, 16, 19, 20]	BTK [Exons 2, 15]	CCND1
AKT3	ARAF [Exons 4, 5, 7, 11, 13, 15, 16]	AURKA	BCL2L2	BRCA2 [Intron 2]	C11orf30 (EMSY)	CCND2
ALK [Exons 20-29 Introns 18,19]	ARFRP1	AURKB	BCL6	BRD4	C17orf39 (GID4)	CCND3
	ARID1A	AXIN1	BCOR		CALR	CCNE1
		AXL	BCORL1		CARD11	CD22
CD70	ERBB2	FOXL2	KLHL6	NF1	PPARG	SMAD2
CD74* [Introns 6-8]	ERBB3 [Exons 3, 6, 7, 8, 10, 12, 20, 21, 23, 24, 25]	FUBP1	KMT2A (MLL) [Introns 6, 8-11, Intron 7]	NF2	PPP2R1A	SMAD4
CD79A	ERBB4	GABRA6	KMT2D (MLL2)	NFE2L2	PPP2R2A	SMARCA4
CD79B	ERCC4	GATA3	KRAS	NFKBIA	PRDM1	SMARCB1
CD274 (PD-L1)	ERG	GATA4	LTK	NKX2-1	PRKARIA	SMO
CDC73	ERRF11	GATA6	LYN	NOTCH1	PRKCI	SNCAIP
CDH1	ESR1 [Exons 4-8]	GNA11 [Exons 4, 5]	MAF	NOTCH2 [Intron 26]	PTCH1	SOC S1
CDK12		GNA13	MAP2K1 (MEK1) [Exons 2, 3]	NOTCH3	PTEN	SOX2
CDK4	ETV4* [Intron 8]	GNAQ [Exons 4, 5]	MAP2K2 (MEK2) [Exons 2-4, 6, 7]	NPM1 [Exons 4-6, 8, 10]	PTPN11	SOX9
CDK6	ETV5* [Introns 6,7]	GNAS [Exons 1, 8]	MAP2K4	NRAS [Exons 2, 3]	PTPRO	SPEN
CDK8	ETV6* [Introns 5,6]	GRM3	MAP3K1	NSD3 (WHSC1L1)	QKI	SPOP
CDKN1A	EWSR1* [Introns 7-13]	GSK3B	MAP3K13	NTRK1 [Exons 14, 15, Introns 8-11]	RAC1	SRC
CDKN2A	EZH2 [Exons 4, 16, 17, 18]	H3F3A	MAPK1	NTRK2 [Intron 12]	RAD21	STAG2
CDKN2B	EZR* [Introns 9-11]	HDAC1	MCL1	NTRK3 [Exons 16, 17]	RAD51	STAT3
CDKN2C	FAM46C	HGF	MDM2	NUTM1* [Intron 1]	RAD51B	STK11
CEBPA	FANCA	HNF1A	MDM4	P2RY8	RAD51C	SUFU
CHEK1	FANCC	HRAS [Exons 2, 3]	MED12	PALB2	RAD51D	SYK
CHEK2	FANCG	HSD3B1	MED2	PARK2	RAD52	TBX3
CIC	FANCL	ID3	MEF2B	PARP1	RAD54L	TEK
CREBBP	FAS	IDH1 [Exon 4]	MEN1	PARP2	RAF1 [Exons 3, 4, 6, 7, 10, 14, 15, 17, Introns 4-8]	TERC* {ncRNA}
CRKL	FBXW7	IDH2 [Exon 4]	MERTK	PARP3	RARA [Intron 2]	TERT* {Promoter}
CSF1R	FGF10	IGF1R	MET	PAX5	RB1	TET2
CSF3R	FGF12	IKBKE	MITF	PBRM1	RBM10	TGFBR2
CTCF	FGF14	IKZF1	MKNK1	PDCD1 (PD-1)	REL	TIPARP
CTNNA1	FGF19	INPP4B	MLH1	PDCD1LG2 (PD-L2)	RET [Introns 7, 8, Exons 11, 13-16, Introns 9-11]	TMPRSS2* [Introns 1-3]
CTNNB1 [Exon 3]	FGF23	IRF2	MPL [Exon 10]	PDGFRA [Exons 12, 18, Introns 7, 9, 11]	RNF43	TNFAIP3
CUL3	FGF3	IRF4	MRE11A	PDGFRB [Exons 12-21, 23]	RO S1 [Exons 31, 36-38, 40, Introns 31-35]	TNFRSF14
CUL4A	FGF4	IRS2	MSH2 [Intron 5]	PIK3C2B	RPTOR	TP53
CXCR4	FGF6	JAK1	MSH3	PIK3C2G	RSPO2* [Intron 1]	TSC1
CYP17A1	FGFR1 [Introns 1, 5, Intron 17]	JAK2 [Exon 14]	MSH6	PIK3CA Exons 2, 3, 5-8, 10, 14, 19, 21 (Coding Exons 1, 2, 4-7, 9, 13, 18, 20)	SDC4* [Intron 2]	TSC2
DAXX	FGFR2 [Intron 1, Intron 17]	JAK3 [Exons 5, 11, 12, 13, 15, 16]	MST1R	PIK3CB	SDHA	TYRO3
DDR1	FGFR3 [Exons 7, 9 (alternative designation exon 10), 14, 18, Intron 17]	JUN	MTAP	PIK3R1	SDHB	U2AF1
DDR2 [Exons 5, 17, 18]		KDM5A	MTOR [Exons 19, 30, 39, 40, 43-45, 47, 48, 53, 56]	PIM1	SDHC	VEGFA
DIS3		KDM5C	MUTYH	PMS2	SDHD	VHL
DNMT3A		KDM6A	MYB* [Intron 14]	POL D1	SETD2	WHSC1
DOT1L		KDM6A	MYC [Intron 1]	POLE	SF3B1	WT1
EED		KDR	MYCL (MYCL1)		SGK1	XPO1
EGFR [Introns 7, 15, 24-27]	FH	KEAP1	MYCN			XRCC2
EP300	FLCN	KEL	MYD88 [Exon 4]			ZNF217
EPHA3	FLT1	KIT [Exons 8, 9, 11, 12, 13, 17, Intron 16]	NBN			ZNF703
EPHB1	FLT3 [Exons 14, 15, 20]					
EPHB4						