

Targeted genes

ABL1	CCND2	DPH3	FGFR3	JAK2	MYC	POT1	SMARCE1
AKT1	CCND3	DROSHA	FH	JAK3	MYCL	PPP2R1A	SMO
AKT2	CCNE1	EGFR	FLT3	KDM6A	MYCN	PRKCA	SOX2
AKT3	CD274	EIF1AX	FOXA1	KDR	MYD88	PTCH1	SPOP
ALK	CDH1	ELOC	FOXL2	KEAP1	NF1	PTEN	SRC
APC	CDK12	EP300	FOXO1	KIT	NF2	PTPN11	SRSF2
AR	CDK4	EPHA2	FOXR2	KLF4	NFE2L2	RAC1	STAG2
ARAF	CDK6	EPHA3	FUBP1	KRAS	NKX2-1	RAF1	STK11
ARID1A	CDKN1B	ERBB2	GATA3	LRP1B	NOTCH1	RB1	SUFU
ATM	CDKN2A	ERBB3	GLI1	LZTR1	NOTCH3	RELA	TACC3
ATR	CDKN2B	ERBB4	GNA11	MAP2K1	NRAS	RET	TERT
ATRX	CDKN2C	ERCC1	GNAQ	MAP2K2	NTRK1	RHEB	TP53
AURKA	CHEK1	ERCC2	GNAS	MCL1	NTRK2	RHOA	TP63
AXIN1	CHEK2	ERRFI1	H3-3A	MDM2	NTRK3	RIT1	TRAF7
BAP1	CIC	ESR1	H3-3B	MDM4	PALB2	RNF43	TSC1
BCL2	CREBBP	EWSR1	H3C2	MED12	PCBP1	ROS1	TSC2
BCOR	CTNNB1	EZH2	HGF	MEN1	PDGFRA	SDHB	U2AF1
BCR	CUL3	FANCA	HNF1A	MET	PDGFRB	SDHC	VEGFA
BRAF	CXCR4	FANCF	HOXB13	MLH1	PHOX2B	SDHD	VHL
BRCA1	CYLD	FANCG	HRAS	MPL	PIK3CA	SETBP1	WT1
BRCA2	CYSLTR2	FBXW7	IDH1	MSH2	PIK3R1	SETD2	YAP1
BRD4	DDR2	FGF3	IDH2	MSH6	PLEKHS1	SF3B1	ZMYM3
BTK	DDX3X	FGF4	IGF1R	MTOR	POLD1	SMAD4	
CASP8	DICER1	FGFR1	IKBKE	MYB	POLE	SMARCA4	
CCND1	DNMT3A	FGFR2	IKZF3	MYBL1	POLR2A	SMARCB1	

Genes with intronic coverage for fusion detection

ALK	EGFR	FGFR1	FOS	MAP3K8	NTRK2	RET	TFEB
BRAF	ETV6	FGFR2	FUS	MYB	RAF1	ROS1	YAP1
CD74	EWSR1	FGFR3	MET	NTRK1	RELA	TFE3	