

CANCERPLEX Full Panel Genes

ABL1	BCL11A	CD276	CIC	EPHA7	FH	HSP90AA1	KLF5	MDM2	NFKBIA	PIK3C2B	PTEN	RPS6KA2	SPEN	TP53
ABL2	BCL11B	CD40	CREBBP	EPHB1	FLCN	HSP90AB1	KLF6	MDM4	NKX2-1 (TTF1)	PIK3C2G	PTGS2	RPS6KB1	SPOP	TP63
ACVR1B	BCL2	CD79A	CRKL	EPHB6	FLI1	ICK	KLHL6	MED12	NOTCH1	PIK3CA	PTK2	RPTOR	SRC	TPR
ACVR2A	BCL2L1	CD79B	CRTC1	ERBB2 (HER2)	FLT1 (VEGFR1)	IDH1	KMT2A	MEF2B	NOTCH2	PIK3CB	PTPN11	RUNX1	SSTR1	TPX2
ADGRA2	BCL6	CD80	CSF1R	ERBB3 (HER3)	FLT3 (STK1)	IDH2	KMT2C	MEN1	NOTCH3	PIK3CD	PTPRD	RUNX1T1	SSTR2	TRIM33
AKT1	BCL9	CD86	CTCF	ERBB4 (HER4)	FLT4 (VEGFR3)	IGF1R	KMT2D	MET	NOTCH4	PIK3CG	PTPRT	RYR1	SSTR3	TRRAP
AKT2	BCOR	CDC73	CTLA4	ERG	FOXA1 (HNF3A)	IGF2	KRAS	MITF	NRAS	PIK3R1	PXDNL	SCN8A	SSTR5	TSC1
AKT3	BCORL1	CDH1	CTNNA1	ERRF1	FOXO1	IGF2R	LIG3	MLH1	NRG1	PIK3R2	QKI	SDHA	STAG2	TSC2
ALK	BIRC2	CDH11	CTNNA2	ESR1	FOXP1	IKKBK (IKKKB)	LMO1	MN1	NSD1	PIK3R3	RAC1	SDHB	STAT3	TSHR
AMER1 (FAM123B)	BIRC3	CDH2	CTNNB1	ETS1	FRS2	IKBKE	LPP	MRE11A	NTRK1	PLAG1	RAD17	SDHC	STAT4	TYMS
APC	BLM	CDH5	CUL3	ETV1	GATA2	IKZF1 (IKAROS)	LYN	MSH2	NTRK2	PLCG1	RAD50	SDHD	STK11 (LKB1)	U2AF1
AR	BMPR1A	CDK1	CUX1	ETV4	GATA3	IL2RG	LZTR1	MSH6	NTRK3	PLCG2	RAD51	SETD2	STK36 (FU)	UBR5
ARAF	BRAF	CDK12	CYLD	ETV5	GATA4	IL4R	MAGI2	MST1R (RON)	NUP214	PLK1	RAD51C	SETDB1	SUFU	USP9X
ARID1A	BRCA1*	CDK2	DAXX	ETV6	GATA6	INHBA	MAGI3	MTOR	PAK3	PMS1	RAD51D	SF3B1	TAF1	VHL
ARID1B	BRCA2*	CDK4	DCLRE1C	EZH2	GLI1	INPP4B	MALT1	MTR	PALB2	PMS2**	RAF1	SGK1	TCF7L1	VTCN1
ARID2	BRD4	CDK5	DDR1	FANCA	GNA11	IRF2	MAML2	MTRR	PARK2	POLD1	RALGDS	SH2D1A	TCF7L2	WEE1
ARID5B	BRIP1	CDK6	DDR2	FANCB	GNA13	IRF4	MAP2K1 (MEK1)	MUTYH	PARP1	POLE	RASA1	SLIT2	TEK	WISP3
ASXL1	BTG1	CDK7	DDX5	FANCC	GNAQ	IRS2	MAP2K2 (MEK2)	MYC	PAX3	POLE4	RB1	SLIT3	TERT***	WRN
ATM	BTK	CDK8	DICER1	FANCD2	GNAS	JAK1	MAP2K4 (MEK4)	MYCL	PAX7	POLR2A	RBM10	SMAD2	TET2	WT1
ATR	BUB1B	CDK9	DNMT3A	FANCE	GRIN2A	JAK2	MAP3K1 (MEKK1)	MYCN	PAX8	PPARG	REL	SMAD3	TFE3	XPC
ATRX	CARD11	CDKN1A	DOT1L	FANCF	GRM3	JUN	MAP3K7 (TGF1A)	MYD88	PBRM1	PPP2R1A	RET	SMAD4	TGFB2	XPO1
AURKA	CBFB	CDKN1B	EGFR	FANCG	GSK3B	KDM5A (JARID1A)	MAPK1 (ERK2)	NBN	PBX1	PPP6C	RHEB	SMARCA4	TGFB2	XRCC2
AURKB	CBL	CDKN2A	EML4	FANCL	HDAC1	KDM5C	MAPK3 (ERK1)	NCOA1	PDCD1	PRDM1	RHOA	SMARCB1	TMPRSS2	XRCC5
AURKC	CCND1	CDKN2B	EMSY (C11orf30)	FAT1	HDAC2	KDM6A	MAPK4	NCOA2	PDCD1LG2	PREX2	RICTOR	SMO	TNFAIP3	XRCC6
AXIN1	CCND2	CDKN2C	EP300	FBXW7 (BAF250)	HGF	KDR (VEGFR2)	MAPK6	NF1	PDGFRA	PRKAR1A	RNASEL	SOS1	TNFRSF14	ZFHX3
AXIN2	CCND3	CHD2	EPCAM	FGFR1	HIF1A	KEAP1	MAPK7	NF2	PDGFRB	PRKCI	RNF2	SOX10	TNFRSF4	ZNF217
AXL	CCNE1	CHD4	EPHA2	FGFR2	HNF1A	KIAA1804 (MLK4)	MAPK8 (JNK1)	NFE2L2	PDK1	PRKDC	RNF43	SOX11	TNK2	ZNF384
BAP1	CCR4	CHEK1	EPHA3	FGFR3	HNF4A	KISS1R	MBD1	NFKB1	PGAP3	PRSS1	ROS1	SOX2	TOP1	ZNF521 (EVI3)
BARD1	CD274	CHEK2	EPHA5	FGFR4	HRAS	KIT	MCL1	NFKB2	PIK3C2A	PTCH1	RPS6	SOX9	TOP2A	ZNF703

■ Additional coverage for translocations | * No germline inference can be made | ** except exons 12-15 | ***TERT Promoter

CANCERPLEX includes detection of EBV and HPV 16/18, and covers the following genes conferring resistance to approved targeted therapies: KRAS, BRAF, NRAS, and EGFR T790M.