

产品概述

此实体瘤泛癌种Panel包含下列309个基因的全部编码区，5个常见实体瘤的融合基因热点内含子区域，99个微卫星不稳定检测位点，覆盖基因组约0.86Mb区域，支持包括碱基替换、插入、缺失检测分析。

309个基因：含全部外显子区域

ABL1	C11ORF30	CUL3	FGF4	IRF4	MPL	PDCD1LG2	RET	TSC1
ACVR1B	CALR	CUL4A	FGF6	IRS2	MRE11A	PDGFRA	RICTOR	TSC2
AKT1	CARD11	CXCR4	FGFR1	JAK1	MSH2	PDGFRB	RNF43	TYRO3
AKT2	CASP8	CYP17A1	FGFR2	JAK2	MSH3	PDK1	ROS1	U2AF1
AKT3	CBFB	DAXX	FGFR3	JAK3	MSH6	PIK3C2B	RPTOR	VEGFA
ALK	CBL	DDR1	FGFR4	JUN	MST1R	PIK3C2G	SDHA	VHL
ALOX12B	CCND1	DDR2	FH	KDM5A	MTAP	PIK3CA	SDHB	WHSC1
AMER1	CCND2	DIS3	FLCN	KDM5C	MTOR	PIK3CB	SDHC	WHSC1L1
APC	CCND3	DNMT3A	FLT1	KDM6A	MUTYH	PIK3R1	SDHD	WT1
AR	CCNE1	DOT1L	FLT3	KDR	MYC	PIM1	SETD2	XPO1
ARAF	CD22	EED	FOXL2	KEAP1	MYCL	PMS2	SF3B1	XRCC2
ARFRP1	CD274	EGFR	FUBP1	KEL	MYCN	POLD1	SGK1	ZNF217
ARID1A	CD70	EP300	GABRA6	KIT	MYD88	POLE	SMAD2	ZNF703
ASXL1	CD79A	EPHA3	GATA3	KLHL6	NBN	PPARG	SMAD4	
ATM	CD79B	EPHB1	GATA4	KMT2A	NF1	PPP2R1A	SMARCA4	
ATR	CDC73	EPHB4	GATA6	KMT2D	NF2	PPP2R2A	SMARCB1	
ATRX	CDH1	ERBB2	GID4	KRAS	NFE2L2	PRDM1	SMO	
AURKA	CDK12	ERBB3	GNA11	LTK	NFKB1A	PRKAR1A	SNCAIP	
AURKB	CDK4	ERBB4	GNA13	LYN	NKX2-1	PRKCI	SOCS1	
AXIN1	CDK6	ERCC4	GNAQ	MAF	NOTCH1	PTCH1	SOX2	
AXL	CDK8	ERG	GNAS	MAP2K1	NOTCH2	PTEN	SOX9	
BAP1	CDKN1A	ERRFI1	GRM3	MAP2K2	NOTCH3	PTPN11	SPEN	
BARD1	CDKN1B	ESR1	GSK3B	MAP2K4	NPM1	PTPRO	SPOP	
BCL2	CDKN2A	EZH2	H3F3A	MAP3K1	NRAS	QKI	SRC	
BCL2L1	CDKN2B	FAM46C	HDAC1	MAP3K13	NT5C2	RAC1	STAG2	
BCL2L2	CDKN2C	FANCA	HGF	MAPK1	NTRK1	RAD21	STAT3	
BCL6	CEBPA	FANCC	HNF1A	MCL1	NTRK2	RAD51	STK11	
BCOR	CHEK1	FANCG	HRAS	MDM2	NTRK3	RAD51B	SUFU	
BCORL1	CHEK2	FANCL	HSD3B1	MDM4	P2RY8	RAD51C	SYK	
BRAF	CIC	FAS	ID3	MED12	PALB2	RAD51D	TBX3	
BRCA1	CREBBP	FBXW7	IDH1	MEF2B	PARK2	RAD52	TEK	
BRCA2	CRKL	FGF10	IDH2	MEN1	PARP1	RAD54L	TET2	
BRD4	CSF1R	FGF12	IGF1R	MERTK	PARP2	RAF1	TGFBR2	
BRIP1	CSF3R	FGF14	IKBKE	MET	PARP3	RARA	TIPARP	
BTG1	CTCF	FGF19	IKZF1	MITF	PAX5	RB1	TNFAIP3	
BTG2	CTNNA1	FGF23	INPP4B	MKNK1	PBRM1	RBM10	TNFRSF14	
BTK	CTNNB1	FGF3	IRF2	MLH1	PDCD1	REL	TP53	

5个融合基因区域：部分内含子区域

NTRK1	intron9;10
ALK	intron17;18;19;20;21
ROS1	intron33
RET	intron11
FGFR3	intron14;16;17

99个微卫星不稳定位点

BAT26	2B3D NCI Panel (CSCO指南);Promega Panel
BAT25	2B3D NCI Panel (CSCO指南);Promega Panel
D5S346	2B3D NCI Panel (CSCO指南)
D2S123	2B3D NCI Panel (CSCO指南)
D17S250	2B3D NCI Panel (CSCO指南)
NR21	Promega Panel
NR24	Promega Panel
NR27	Promega Panel
MON027	Promega Panel
MSI:10-99	额外已验证的89个微卫星位点