

PositiveSelect[™] Plus

Most comprehensive NGS genomic profile testing 350 genes

- ✓ 350 genes covered
- ✓ Illumina Next Generation Sequencing
- ✓ 1000x coverage
- ✓ FFPE or liquid biopsy
- ✓ Diagnostic information
- ✓ Drug resistant mutations
- ✓ Disease aggressiveness

Added Benefits with PositiveSelect Plus

- ✓ Tumour Mutation Load
- ✓ Microsatellite Instability
- ✓ Immunotherapy
- ✓ Targeted Therapy
- ✓ Chemotherapy
- ✓ Clinical Trials

PositiveSelect[™] Plus



Genes Covered in PositiveSelect Plus

ABCB1	BCR	CREB1	ENG	FLT3	HRAS	MAP2K1	NF2	PIK3R2	RECQL	TET2
ABCC2	BIRC3	CREB3L1	EP300	FLT4	ICOSLG	MAP2K2	NFE2L2	RECQL4	RECQL4	TFE3
ABL1	BLM	CREB3L2	EPAS1	FOXA1	ID3	MAP2K4	NFKBIA	REL	REL	TFG
ACVR1	BMPR1A	CREBBP	EPCAM	FOXL2	IDH1	MAP3K1	NKX2-1	PLCG2	RET	TGFBR1
ACVRLK1	BRAF	CRKL	EPHA3	FOXO1	IDH2	MAP3K13	NKX3-1	PLK2	RFWD2	TGFBR2
ADCY9	BRCA1	CRLF2	EPHA5	FOXO1	IFNGR1	MAP3K14	NOLA	PMAIP1	RHEB	TMEM127
AGO2	BRCA2	CSDE1	EPHA6	FUBP1	IGF1	MAPK1	NOTCH1	PMS1	RHOA	TMPRSS2
AHCYL1	BRD4	CSF1R	EPHA7	FUS	IGF1R	MAPK3	NOTCH2	PMS2	RICTOR	TNFAIP3
AKAP9	BRIP1	CSF3R	EPHB1	FYN	IGF2	MAPKAP1	NOTCH3	PNRC1	RIT1	TNFRSF14
AKT1	BTBK	CTCF	ERBB2	GATA1	IKBKE	MAX	NOTCH4	POLD1	RNF43	TOP1
AKT2	CALR	CTLA4	ERBB3	GATA2	IKZF1	MCL1	NPM1	POLE	ROS1	TP53
AKT3	CAMTA1	CTNNA1	ERBB4	GATA3	IL10	MDC1	NR4A3	PARG	RPS4Y2	TP53BP1
ALK	CARD11	CUL3	ERCC1	GLI1	IL7R	MDM2	NRAS	PPM1D	RPS6KA4	TP63
ALOX12B	CARM1	CXCR4	ERCC2	GLIS3	INHA	MDM4	NSD1	PPP2R1A	RPS6KB2	TPM3
AMELY	CASP8	CYLD	ERCC3	GNA11	INHBA	MDM2	NTHL1	PPP4R2	RPTOR	TPMT
AMER1	CBFB	CYP19A1	ERCC4	GNAQ	INPP4A	MEF2B	NTRK1	PPP6C	RRAGC	TRAF2
ANKRD11	CBL	CYP1A1	ERCC5	GNAS	INPP4B	MEN1	NTRK2	PRDM1	RRAS	TRAF7
APC	CCDC6	CYP1A2	ERF	GPS2	INPPL1	MET	NTRK3	PRDM14	RRAS2	TSC1
AR	CCND1	CYP1B1	ERG	GREM1	INSR	MGA	NUF2	PREX2	RRM1	TSC2
ARAF	CCND2	CYP2B6	ERRFI1	GRIN2A	IRF4	MITF	NUP93	PRKAR1A	RTEL1	TSHR
ARID1A	CCND3	CYP2E1	ESR1	GSK3B	IRS1	MLH1	NUTM1	PRKCI	RUNX1	TTY4
ARID1B	CCNE1	CYP3A4	ETV1	GSTA1	IRS2	MLL	NUTM2A	PRKD1	RXRA	TTY23
ARID2	CD274	CYP3A5	ETV4	GSTP1	JAK1	MLL2	NUTM2B	PRKY	RYBP	TYMS
ARID5B	CD276	CYSLTR2	ETV6	H3F3A	JAK2	MLL3	PAK1	PTCH1	SCRIB	U2AF1
ASPL	CD74	DAXX	EWSR1	H3F3B	JAK3	MPL	PAK7	PTEN	SDC4	UGT1A1
ASXL1	CD79A	DAZ1	EZH1	H3F3C	JAZF1	MRE11A	PALB2	PTP4A1	SDHA	UPF1
ASXL2	CD79B	DCUN1D1	EZH2	HEY1	JUN	MSH2	PARK2	PTPN11	SDHAF2	USP9Y
ATF1	CDA	DDIT3	FAM123B	HFE	KDM5A	MSH3	PARP1	PTPRD	SDHB	VCL
ATIC	CDC42	DDR2	FAM175A	HGF	KDM5C	MSH6	PAX3	PTPRS	SDHC	VEGFA
ATM	CDC73	DICER1	FAM46C	HIST1H1	KDM5D	MSI1	PAX5	PTPR	SDHD	VHL
ATR	CDH1	DIS3	FAM58A	HIST1H2B	KDM6A	MSI2	PAX7	RAB35	SESN1	VTCN1
ATRX	CDK-1	DNAJB1	FANCA	HIST1H3A	KDR	MST1	PAX8	RAC1	SESN2	WHSC1
AURKA	CDK12	DNMT1	FANCC	HIST1H3B	KEAP1	MST1R	PBRM1	RAC2	SESN3	WHSC1L1
AURKB	CDK4	DNMT3A	FANCD2	HIST1H3C	KIF5B	MTHFD1	PDCD1	RAD21	SETD2	WT1
AXIN1	CDK6	DNMT3B	FAT1	HIST1H3D	KIT	MTHFR	PDCD1LG2	RAD50	SETD8	WWTR1
AXIN2	CDK8	DOT1L	FBXW7	HIST1H3E	KLF4	MTOR	PDGFB	RAD51	SETD8	XIAP
AXL	CDKN1A	DPYD	FEV	HIST1H3F	KMT2A	MUTYH	PDGFRA	RAD51B	SH2B3	XPC
B2M	CDKN1B	DROSHA	FGF19	HIST1H3G	KMT2B	MYC	PDGFRB	RAD51C	SH2D1A	XPO1
BABAM1	CDKN2A	DUSP4	FGF3	HIST1H3H	KMT2C	MYCL1	PDPK1	RAD51D	SHOC2	XRCC1
BAP1	CDKN2B	E2F3	FGF4	HIST1H3I	KMT2D	MYCN	PGR	RAD52	SHQ1	XRCC2
BARD1	CDKN2C	EED	FGFR1	HIST1H3J	KNSTRN	MYD88	PHOX2B	RAD54L	SLC4A4	YAP1
BBC3	CEBPA	EGFL7	FGFR2	HIST2H3C	KRAS	MYO1D	PIK3C2G	RAF1	SLX4	YES1
BCL10	CENPA	EGFR	FGFR3	HIST2H3D	LATS1	NBN	PIK3C3	RANBP2	SMAD2	YWHAE
BCL2	CHEK1	EIF1AX	FGFR4	HIST3H3	LATS2	NCOA2	PIK3CA	RARA	SMAD3	ZFXH3
BCL2L1	CHEK2	EIF4A2	FH	HLA-A	LMO1	NCOA3	PIK3CB	RASA1	SMAD4	ZFY
BCL2L11	CIC	EIF4E	FLCN	HLA-B	LRP8	NCOR1	PIK3CD	RASAL2	SMARCA4	ZNF207
BCL6	CLTC	ELF3	FLI1	HNF1A	LYN	NEGR1	PIK3CG	RB1	TERT	
BCOR	COL1A1	EML4	FLT1	HOXB13	MALT1	NF1	PIK3R1	RBM10	TET1	

Rearrangements

ALK	CREB1	EWSR1	HEY1	PAX3	TFE3
ATF1	CREB3L2	FEV	MET	PAX7	TFG
ATIC	EML4	FGFR3	NCOA2	PDGFB	TPM3
CAMTA1	ERG	FLI1	NR4A3	RANBP2	WT1
CLTC	ETV1	FOXO1	NTRK1	RET	WWTR1
COL1A1	ETV6	FUS	NTRK3	ROS1	YAP1

Amplifications/Loss/Copy Number Variation (CNV)

AR	CDK6	ERCC2	KIT	PDGFRA	STK11
AURKA	CDKN1A	ERCC4	KRAS	PDGFRA	TERT
AURKB	CDKN1B	ESR1	MAP2K1	PDGFRB	TP53
BRAF	CDKN2A	FGFR1	MDM2	PGR	TSC1
CCND1	CDKN2B	FGFR2	MET	PIK3CA	TSC2
CCND2	CDKN2C	FGFR3	MYC	PTEN	VHL
CCNE1	CRLF2	FGFR4	NF1	RAF1	XIAP
CD274	EGFR	FLT4	NF2	RB1	
CDH1	ERBB2	IGF1R	NOTCH4	RECQL4	
CDK4	ERCC1	KDR	NRAS	RICTOR	

Insertion/Deletions (Indels)

ATM	BRCA1	ERBB2	MLH1	PDGFRA	TP53
APC	BRCA2	GATA3	MTOR	PTEN	TSC1
ARID1A	EGFR	KIT	NF1	SMAD4	RB1

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