



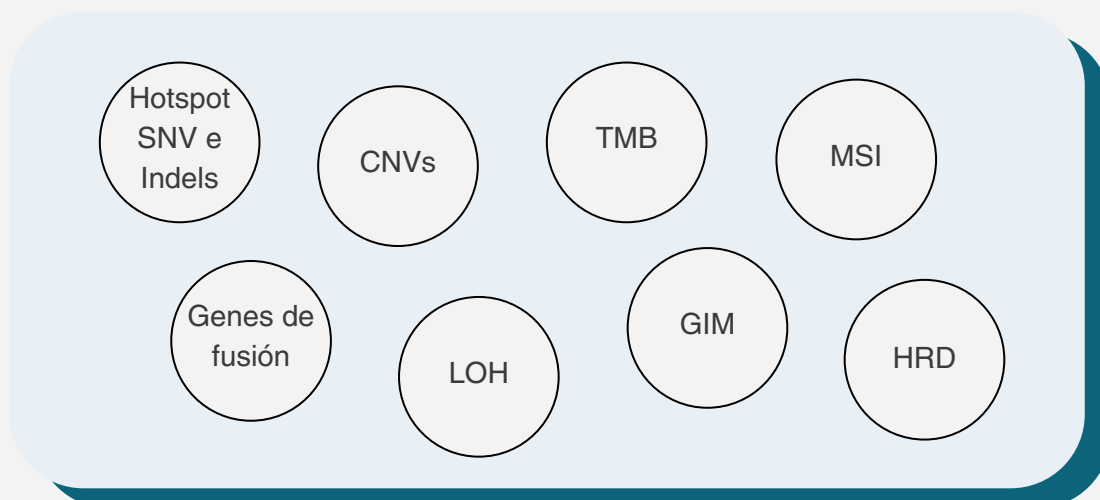
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1.2 OncoProfile Advanced 500+46

OncoProfile Advanced 500+46 tiene la misma base que OncoProfile Advanced 500+ con la adición de **46 genes** implicados en la vía HRR, útiles para evaluar HRD y seleccionar pacientes candidatos a inhibidores de **PARP**.

Este panel detecta:



TMB: Carga Mutacional Tumoral

MSI: Inestabilidad de Microsatélites

HRR: Reparación de la Recombinación Homológica

LOH: Inestabilidad Genómica con Pérdida de Heterocigosidad

GIM: Métrica de la Inestabilidad Genómica

HRD: Recombinación Homóloga

1.2 OncoProfile Advanced 500+ 46

CDS Genes (n=46)

<i>ABRAXAS1</i>	<i>POLD1</i>
<i>ATM</i>	<i>POLE</i>
<i>ATR</i>	<i>PPP2R2A</i>
<i>BAP1</i>	<i>PTEN</i>
<i>BARD1</i>	<i>RAD50</i>
<i>BLM</i>	<i>RAD51</i>
<i>BRCA1</i>	<i>RAD51B</i>
<i>BRCA2</i>	<i>RAD51C</i>
<i>BRIP1</i>	<i>RAD51D</i>
<i>CDK12</i>	<i>RAD54L</i>
<i>CHEK1</i>	<i>RNASEH2A</i>
<i>CHEK2</i>	<i>RNASEH2B</i>
<i>FANCA</i>	<i>RNASEH2C</i>
<i>FANCC</i>	<i>RPA1</i>
<i>FANCD2</i>	<i>SLX4</i>
<i>FANCE</i>	<i>TP53</i>
<i>FANCF</i>	<i>XRCC2</i>
<i>FANCG</i>	<i>XRCC3</i>
<i>FANCI</i>	
<i>FANCL</i>	
<i>FANCM</i>	
<i>MRE11</i>	
<i>NBN</i>	
<i>PALB2</i>	
<i>PARP1</i>	
<i>PARP2</i>	
<i>PARP3</i>	

CNV genes (n=45)

<i>ABRAXAS1</i>	<i>POLD1</i>
<i>ATM</i>	<i>POLE</i>
<i>ATR</i>	<i>PPP2R2A</i>
<i>BAP1</i>	<i>PTEN</i>
<i>BARD1</i>	<i>RAD50</i>
<i>BLM</i>	<i>RAD51</i>
<i>BRCA1</i>	<i>RAD51B</i>
<i>BRCA2</i>	<i>RAD51C</i>
<i>BRIP1</i>	<i>RAD51D</i>
<i>CDK12</i>	<i>RAD54L</i>
<i>CHEK1</i>	<i>RNASEH2A</i>
<i>CHEK2</i>	<i>RNASEH2B</i>
<i>FANCA</i>	<i>RPA1</i>
<i>FANCC</i>	<i>SLX4</i>
<i>FANCD2</i>	<i>TP53</i>
<i>FANCE</i>	<i>XRCC2</i>
<i>FANCF</i>	<i>XRCC3</i>
<i>FANCG</i>	
<i>FANCI</i>	
<i>FANCL</i>	
<i>FANCM</i>	
<i>MRE11</i>	
<i>NBN</i>	
<i>PALB2</i>	
<i>PARP1</i>	
<i>PARP2</i>	
<i>PARP3</i>	

1.2 OncoProfile Advanced 500+46

Hotspot Genes (n=57)			CNV Gain Genes (n=19)	Copy Number Variation and Hotspot Genes (n=107)				Gene Fusions (n=51) (Inter- and Intra-genic)	
ACVR1	IRF4	TRRAP	ABCB1	ABL1	ERBB2	MAX	PTPN11	AKT2	NF1
ATP1A1	IRS4	TSHR	CTNND2	ABL2	ERBB3	MDM4	PXDNL	ALK	NOTCH1
BCR	KLF4	WAS	DDR1	AKT1	ERBB4	MECOM	RAC1	AR	NOTCH4
BMP5	KNSTRN		EMSY	AKT2	ESR1	MEF2B	RAF1	AXL	NRG1
BTK	MAP2K2		FGF19	AKT3	EZH2	METARAR	RET	BRAF	NTRK1
CACNA1D	MED12		FGF23	ALK	FAM135B	MITF	RHEB	BRCA1	NTRK2
CD79B	MYOD1		FGF3	AR	FGFR1	MPL	RICTOR	BRCA2	NTRK3
CSF1R	NSD2		FGF4	ARAF	FGFR2	MTOR	RIT1	CDKN2A	NUTM1
CTNBN1	NT5C2		FGF9	AURKA	FGFR3	MYC	ROS1	EGFR	PDGFRA
CUL1	NTRK2		FYN	AURKC	FGFR4	MYCN	SETBP1	ERBB2	PDGFRB
CYSLTR2	NUP93		GLI3	AXL	FLT3	MYD88	SF3B1	ERBB4	PIK3CA
DGCR8	PAX5		IGF1R	BCL2	FLT4	NFE2L2	SLCO1B3	ERG	PPARG
DROSHA	PIK3CD		MCL1	BCL2L12	FOXA1	NRAS	SMC1A	ESR1	PRKACA
E2F1	PIK3CG		MDM2	BCL6	GATA2	NTRK1	SMO	ETV1	PRKACB
EPAS1	PTPRD		MYCL	BRAF	GNAS	NTRK3	SPOP	ETV4	PTEN
FGF7	RGS7		RPS6KB1	CARD11	H3F3A	PCBP1	SRC	ETV5	RAD51B
FOXO2	RHOA		RPTOR	CBL	H3F3B	PDGFRA	STAT3	FGFR1	RAF1
FOXO1	RPL10		YAP1	CCND1	IDH2	PDGFRB	STAT6	FGFR2	RB1
GLI1	SIX1		YES1	CCND2	IKBKB	PIK3C2B	TERT	FGFR3	RELA
GNA11	SIX2			CCND3	IL7R	PIK3CA	TOP1	FGR	RET
GNAQ	SNCAIP			CCNE1	KDR	PIK3CB	TPMT	FLT3	ROS1
HIF1A	SGS1			CDK4	KIT	PIK3R2	U2AF1	JAK2	RSPO2
HIST1H2BD	SOX2			CDK6	KLF5	PIM1	USP8	KRAS	RSPO3
HIST1H3B	SRSF2			CHD4	KRAS	PLCG1	XPO1	MDM4	TERT
HRAS	STAT5B			DDR2	MAGOH	PPP2R1A	ZNF217	MET	
IDH1	TAF1			EGFR	MAP2K1	PPP6C	ZNF429	MYB	
IL6ST	TGFBRI			EIF1AX	MAPK1	PRKACA		MYBL1	

CNV Loss and CDS (n=206)						CDS Only Genes (n=21)	TMB only genes (n=86)			
ABRAXAS1	CD274	DSC3	HLA-A	MTAP	PRDM1	SMAD4	CALR	A1CF	LRRC7	ORC4
ACVR1B	CD276	ELF3	HLA-B	MUTYH	PRDM9	SMARCA4	CIITA	ACSM2B	MARCO	PAK5
ACVR2A	CDC73	ENO1	HNF1A	NBN	PRKAR1A	SMARCB1	CYP2D6	ADAM18	NLRC5	PCDH17
ADAMTS2	CDH1	EP300	INPP4B	NCOR1	PTCH1	SOX9	ERCC5FAS	ANO4	NOL4	PDE1A
ADAMTS2	CDH10	EPCAM	JAK1	NF1	PTEN	SPEN	ID3	ARMC4	NRXN1	PDE1C
AMER1	CDK12	EPHA2	JAK2	NF2	PTPR	STAG2	KLHL13	BRINP3	NYAP2	PLXDC2
APC	CDKN1A	ERAP1	JAK3	NOTCH1	RAD50	STK11	MTUS2	C6	OR10G8	POM121L12
ARHGAP35	CDKN1B	ERAP2	KDM5C	NOTCH2	RAD51	SUFU	PSMB10	C8A	OR2G6	PPFIA2
ARID1A	CDKN2A	ERCC2	KDM6A	NOTCH3	RAD51B	TAP1	PSMB8	C8B	OR2L13	RBP3
ARID1B	CDKN2B	ERCC4	KEAP1	NOTCH4	RAD51C	TAP2	PSMB9	CANX	OR2L2	REG1A
ARID2	CDKN2C	ERRF1	KMT2A	PALB2	RAD51D	TBX3	RNASEH2C	CASR	OR2L8	REG1B
ARID5B	CHEK1	ETV6	KMT2B	PARP1	RAD52	TCF7L2	RPL22	CD163	OR2M3	REG3A
ASXL1	CHEK2	FANCA	KMT2C	PARP2	RAD54L	TET2	RPL5	CNTN6	OR2T3	REG3G
ASXL2	CIC	FANCC	KMT2D	PARP3	RASA1	TGFBF2	RUNX1T1	CNTNAP4	OR2T33	RPTN
ATM	CREBBP	FANCD2	LARP4B	PARP4	RASA2	TNFAIP3	SDHC	CNTNAP5	OR2T4	RUND3B
ATR	CSMD3	FANCE	LATS1	PBRM1	RB1	TNFRSF14	SOC3	COL11A1	OR2W3	SH3RF2
ATRX	CTCF	FANCF	LATS2	PDCD1	RBM10	TP53	STAT1	DCAF4L2	OR4A15	SLC15A2
AXIN1	CTLA4	FANCG	MAP2K4	PDCD1LG2	RECQL4	TP63	TMEM132D	DCDC1	OR4C15	SLC8A1
AXIN2	CUL3	FANCI	MAP2K7	PDIA3	RNASEH2A	TPP2	UGT1A1	GALNT17	OR4C6	SYT10
B2M	CUL4A	FANCL	MAP3K1	PGD	RNASEH2B	TSC1	ZBTB20	GPR158	OR4M1	SYT16
BAP1	CUL4B	FANCM	MAP3K4	PHF6	RNF43	TSC2		GRID2	OR4M2	TAPBP
BARD1	CYLD	FAT1	MAPK8	PIK3R1	RPA1	USP9X		HCN1	OR5D18	TPTE
BCOR	CYP2C9	FBXW7	MEN1	PMS1	RUNX1	VHL		HLA-C	OR5F1	TRHDE
BLM	DAXX	FUBP1	MGA	PMS2	SDHA	WT1		KCND2	OR5L1	TRIM48
BMPR2	DDX3X	GATA3	MLH1	POLD1	SDHB	XRCC2		KCNH7	OR5L2	TRIM51
BRCA1	DICER1	GNA13	MLH3	POLE	SDHD	XRCC3		KEL	OR6F1	ZIM3
BRCA2	DNMT3A	GPS2	MRE11	POT1	SETD2	ZFXH3		KIR3DL1	OR8H2	ZNF479
BRIP1	DOCK3	HDAC2	MSH2	PPM1D	SLX4	ZMYM3		KRTAP2-1	OR8I2	ZNF536
CASP8	DPYD	HDAC9	MSH3	PPP2R2A	SMAD2	ZRSR2		KRTAP6-2	OR8U1	
CBFB	DSC1		MSH6							