

ΛΙΣΤΑ ΓΟΝΙΔΙΩΝ ΣΤΟΝ ΚΑΡΚΙΝΙΚΟ ΙΣΤΟ

688 γονίδια και 15 θέσεις MSI τα οποία σχετίζονται με τη διάγνωση του καρκίνου, τη θεραπεία και την πρόγνωση

ABCB1	CCND2	DSCAM	FGF3	HNFB1A	MAP3K1 3	NHEJ1	POU5F1	RYBP	TAP2
ABCG2	CCND3	DUSP4	FGF4	HOXB13	MAP3K1 4	NKX2-1	PPARG	RYR2	TBL1XR1
ABL1	CCNE1	DUT	FGF6	HRAS	MAP4K3	NKX3-1	PPM1D	RYR3	TBX3
ABRAXA S1	CD74	DYNC2H 1	FGF10	HSD3B1	MAPK1	NLRP1	PPP2R1A	SCG5	TCF3
ACSL3	CD79B	E2F3	FGF12	HSD17B4	MAPK3	NOTCH1	PPP2R2A	SDC4	TCF4
ACVR1	CD274	EDC4	FGF14	HSP90AA1	MAPKA P1	NOTCH2	PPP4R2	SDHA	TCF7L2
ACVR2A	CD276	EGFR	FGF19	HSPA4	MAX	NOTCH3	PPP6C	SDHAF2	TEK
ACYP2	CDC27	EIF1AX	FGFR1	ICOSLG	MB21D2	NOTCH4	PRDM1	SDHB	TERT
ADGRA2	CDC42	EIF4A2	FGFR2	ID3	MC1R	NPM1	PRDM14	SDHC	TET1
AFF4	CDC73	ELAC2	FGFR3	IDH1	MCL1	NQO1	PREX2	SDHD	TET2
AJUBA	CDH1	ELF3	FGFR4	IDH2	MDC1	NR4A3	PRKAR1A	SEMA3C	TFE3
AKT1	CDH9	ELOC	FH	IFNGR1	MDH2	NRAS	PRKCI	SESN1	TGFBR1
AKT2	CDK4	EME1	FLCN	IGF1	MDM2	NSD1	PRKD1	SESN2	TGFBR2
AKT3	CDK6	EME2	FLI1	IGF1R	MDM4	NSD2	PRKDC	SESN3	TIPARP
ALK	CDK8	EML4	FLNA	IGF2	MECOM	NSD3	PRKN	SETD2	TMEM127
AMER1	CDK12	EMSY	FLT1	IGF2R	MED12	NT5C2	PRPF40B	SF3B1	TMPRSS 2
APC	CDKN1A	EP300	FLT3	IKBKE	MEF2B	NTHL1	PRSS1	SGK1	TNFAIP3
APOB	CDKN1B	EPCAM	FLT4	IKZF1	MEN1	NTRK1	PTCH1	SH2B3	TNFRSF1 4
AR	CDKN1C	EPHA2	FOXA1	IL7R	MERTK	NTRK2	PTCH2	SH2D1A	TNFSF11
ARAF	CDKN2A	EPHA3	FOXL2	IL10	MET	NTRK3	PTEN	SHOC2	TOP1
ARID1A	CDKN2B	EPHA4	FOXO1	INHA	MGA	NUDT18	PTGIS	SHPRH	TOP3A
ARID1B	CDKN2C	EPHB1	FOXP1	INHBA	MGMT	NUF2	PTP4A1	SHQ1	TOPBP1
ARID2	CDRT4	EPPK1	FRAS1	INPP4A	MITF	NUTM1	PTPN11	SIPA1	TP53
ASXL1	CDX2	ERBB2	FUBP1	INPP4B	MKKN1	NYAP2	PTPRD	SLC7A8	TP53BP1
ATAD2	CEBPA	ERBB3	FYN	INSR	MLH1	PAK1	PTPRO	SLC28A3	TP63
ATF1	CETN2	ERBB4	G6PC	IRF2	MLH3	PAK5	PTPRS	SLC34A2	TPM3
ATM	CFTR	ERCC1	GAB2	IRF4	MMS19	PALB2	PTPRT	SLC45A3	TRAF2
ATR	CHD1	ERCC2	GABRA6	IRS2	MPL	PARP1	QKI	SLCO1B1	TRAF7
ATRX	CHEK1	ERCC3	GALNT1 2	JAK1	MRE11	PARP2	RAB35	SLX1A	TRRAP
AURKA	CHEK2	ERCC4	GATA1	JAK2	MS4A1	PARP3	RAC1	SLX4	TSC1
AURKB	CIC	ERCC5	GATA2	JAK3	MSH2	PARP4	RAC2	SMAD2	TSC2
AXIN1	CLK2	ERCC6	GATA3	JMJD1C	MSH3	PAX5	RAD21	SMAD3	TSHR
AXIN2	COL11A1	ERF	GATA4	JUN	MSH4	PAX8	RAD50	SMAD4	TUBB3
AXL	COL22A1	ERG	GATA6	KDM5C	MSH5	PBRM1	RAD51	SMARCA1	TYMS

B2M	COP1	ERRF1	GEN1	KDM6A	MSH6	PBX1	RAD51B	SMARC A4	U2AF1
BABAM2	CREB1	ESR1	GGH	KDR	MSI1	PCDH9	RAD51C	SMARC B1	UGT1A1
BACH1	CREBBP	ETV1	GID4	KEAP1	MSI2	PDCD1	RAD51D	SMARC D1	UMPS
BAP1	CRKL	ETV4	GLI1	KIAA154 9	MST1	PDCD1L G2	RAD52	SMO	UNC5D
BARD1	CSDE1	ETV5	GNA11	KIF1B	MST1R	PDGFR A	RAD54B	SMYD3	UPF1
BCL2	CSF1R	ETV6	GNAQ	KIF5B	MTAP	PDGFR B	RAD54L	SNCAIP	USP6
BCL2A1	CSMD3	EWSR1	GNAS	KIT	MTDH	PDK1	RAF1	SOCS1	VEGFA
BCL2L1	CTCF	EXO1	GPS2	KLF6	MTHFR	PGR	RARA	SOD2	VHL
BCL6	CTLA4	EXOC2	GRB7	KLHL6	MTOR	PHF6	RASA1	SOS1	VTCN1
BCOR	CTNNA1	EXT1	GREM1	KLLN	MTRR	PHOX2B	RB1	SOX2	WEE1
BCR	CTNNB1	EXT2	GRIN2A	KMT2A	MUC6	PIK3CA	RBBP8	SOX4	WRN
BIRC2	CTNND2	EZH1	GRM3	KMT2B	MUC16	PIK3CB	RBM10	SOX9	WT1
BIRC3	CUL3	EZH2	GSK3B	KMT2C	MUS81	PIK3CG	RECQL	SOX10	WWTR1
BLM	CUL4A	EZR	GSTP1	KMT2D	MUTYH	PIK3R1	RECQL4	SOX17	XIAP
BMPR1A	CUL4B	FAM135 B	H1-2	KMT5A	MYB	PIK3R2	REEP5	SPEN	XPA
BRAF	CXCR4	FAN1	H2AX	KNSTRN	MYC	PIK3R3	REL	SPINK1	XPC
BRCA1	CYLD	FANCA	H2BC5	KRAS	MYCL	PIM1	RET	SPOP	XPO1
BRCA2	CYP2C8	FANCB	H3-3A	LAMA2	MYCN	PLAG1	RFC4	SPOPL	XRCC1
BRCC3	CYP2D6	FANCC	H3-3B	LATS1	MYD88	PLCG2	RHEB	SPRED1	XRCC2
BRD4	CYP11B 1	FANCD2	H3-4	LATS2	MYOD1	PLK1	RHOA	SRC	XRCC3
BRF1	CYP17A 1	FANCE	H3C1	LHCGR	MYSM1	PLK2	RICTOR	SRSF2	YAP1
BRIP1	CYP19A 1	FANCF	H3C2	LIFR	NABP2	PLXNA1	RIT1	STAG1	YES1
BTK	DAXX	FANCG	H3C3	LIG4	NBN	PMAIP1	RNF43	STAG2	YWHAZ
C8orf34	DCUN1 D1	FANCI	H3C4	LRP1B	NCOA2	PMS1	ROS1	STAT3	ZBTB16
CARD11	DDB2	FANCL	H3C6	LRRK1	NCOA3	PMS2	RPS6KA3	STAT5A	ZFH3
CARM1	DDR1	FANCM	H3C7	LRRK2	NCOA4	PNPLA3	RPS6KA4	STAT5B	ZFH4
CASP8	DDR2	FAT1	H3C8	LTK	NCOR1	PNRC1	RPS6KB2	STK11	ZMYM3
CASR	DICER1	FAT2	H3C10	LYN	NCOR2	POLD1	RRAGC	STK19	ZNF2
CBL	DIS3	FAT3	H3C11	LZTR1	NEGR1	POLE	RRAS	STK40	ZNF217
CBLB	DMC1	FAT4	H3C13	MALT1	NEIL2	POLG	RRAS2	SUFU	ZNF703
CBR3	DNMT3A	FBXW7	H3C14	MAP2K1	NF1	POLH	RSPO2	SUZ12	ZNF770
CBX4	DNTT	FCGR2B	HDAC1	MAP2K2	NF2	POLM	RTEL1	SYK	ZNRF3
CCDC6	DOCK2	FCGR3A	HGF	MAP2K4	NFE2L2	POLN	RUFY4	TAF1L	ZRSR2
CCNA2	DOT1L	FGD4	HLA-A	MAP3K1	NFKB1	POLQ	RUNX1	TAF15	
CCND1	DPYD	FGF2	HLA-B	MAP3K4	NFKBIA	POT1	RXRA	TAP1	

MSI ΘΕΣΕΙΣ

BAT25	BAT26	BAT34c4	BAT40	D17S261	D17S799	D18S35	D18S55	D18S58	D1S2883
D2S123		D5S346		MONO27		NR21		NR24	

ΓΟΝΙΔΙΑ ΣΧΕΤΙΖΟΜΕΝΑ ΜΕ ΣΤΟΧΕΥΜΕΝΕΣ ΘΕΡΑΠΕΙΕΣ

ABL1	BRCA2	CREB1	EWSR1	GATA3	KIT	MYC	PBRM1	RHEB	TAP2
AKT1	BTK	CRKL	EZH2	GNA11	KRAS	MYCN	PDCD1	RHOA	TEK
AKT2	C11orf30	CSF1R	EZR	GNAQ	MAP2K1	MYD88	PDCD1LG2	RICTOR	TERT
AKT3	CCDC6	CTLA4	FAT1	GNAS	MAP2K2	NCOA4	PDGFRA	RIT1	TGFBR1
ALK	CCND1	CTNNB1	FBXW7	H3F3A	MAP3K1	NF1	PDGFRB	ROS1	TMPRSS2
APC	CCND2	DDR1	FCGR2B	HGF	MAPK1	NF2	PDK1	SDC4	TNFSF11
AR	CCND3	DDR2	FCGR3A	HNF1A	MAPK3	NFE2L2	PIK3CA	SDHB	TP53
ARAF	CCNE1	EML4	FGF2	HRAS	MDM2	NOTCH1	PIK3R1	SDHC	TPM3
ARID1A	CD274	EPHA2	FGFR1	IDH1	MED12	NPM1	PMS1	SDHD	TSC1
ATF1	CD74	EPHA3	FGFR2	IDH2	MET	NRAS	PMS2	SH2B3	TSC2
ATM	CD79B	EGFR	FGFR3	IGF1R	MLH1	NTRK1	PTCH1	SLC34A2	VEGFA
AURKA	CDH1	ERBB2	FGFR4	INSR	MLH3	NTRK2	PTCH2	SMAD4	VHL
B2M	CDK12	ERBB3	FLCN	IRS2	MPL	NTRK3	PTEN	SMARCA4	WEE1
BAP1	CDK4	ERBB4	FLI1	JAK1	MRE11A	PALB2	PTPN11	SMO	
BCL2	CDK6	ERG	FLT1	JAK2	MS4A1	PARP1	RAD51	SPOP	
BCR	CDKN2A	ERRF1	FLT3	JAK3	MSH2	PARP2	RAF1	SRC	
BRAF	CDKN2B	ESR1	FLT4	KDR	MSH6	PARP3	RB1	STK11	

ΓΟΝΙΔΙΑ FUSION

ABL1	ACSL3	ALK	ATF1	BCOR	BCR	BRAF	BRD4	CCDC6	CD74
CIC	CREB1	CTNNB1	EML4	ERG	ETV1	ETV4	ETV5	ETV6	EWSR1
FGFR1	FGFR3	FGFR2	FLI1	FOXO1	FYN	GAB2	GLI1	HLA-A	JAK2
KIAA1549	KIF5B	KRAS	LIFR	MYB	NCOA2	NCOA4	NF1	NOTCH1	NPM1
NR4A3	NTRK1	NTRK2	NTRK3	PAX5	PBX1	PLAG1	POU5F1	PRKAR1A	QKI
RAD51B	RAF1	RARA	RET	ROS1	RSPO2	RUNX1	SDC4	SLC34A2	SLC45A3
SUZ12	TAF15	TBL1XR1	TCF3	TCF7L2	TFE3	TMPRSS2	TP53	TP63	TPM3
USP6	ZNF703								

ΓΟΝΙΔΙΑ ΣΧΕΤΙΖΟΜΕΝΑ ΜΕ ΚΑΗΠΟΝΟΜΙΚΟΥΣ ΚΑΡΚΙΝΟΥΣ

ALK	APC	ATM	AXIN2	BARD1	BMPR1A	BRCA1	BRCA2	BRIP1	CDC73
CDH1	CDK4	CDKN1B	CDKN2A	CHEK2	EPCAM	EXT1	EXT2	FH	FLCN
MEN1	MET	MLH1	MLH3	MRE11A	MSH2	MSH6	MUTYH	NBN	NF1
NF2	NTRK1	PALB2	PMS1	PMS2	PTEN	RAD50	RAD51C	RB1	RET
SDHAF2	SDHB	SDHC	SDHD	SMAD4	STK11	TMEM127	TP53	TSC1	TSC2
VHL	WT1	MAX	ATR	BLM	FANCA	KIT	MSH3	PDGFRA	PTCH1
RAD51D	SUFU		BAP1						

ΓΟΝΙΔΙΑ ΣΧΕΤΙΖΟΜΕΝΑ ΜΕ ΤΗ ΛΗΨΗ ΧΗΜΕΙΟΘΕΡΑΠΕΙΑΣ

ABCB1	ACYP2	C8orf34	CBR3	CYP2D6	DYNC2H1	ERCC1	GSTP1	MTHFR	MTRR
NQO1	NT5C2	PNPLA3	SEMA3C	SLC28A3	SLCO1B1	SOD2	TYMS	UGT1A1	UMPS
XPC					XRCC1				

