

The OncoDEEP<sup>®</sup> gene panel contains a total of 638 DNA genes and 22 RNA genes that were carefully selected based on their biological and therapeutical relevance.



ABL1	BABAM1	CD79B	CXCR4	EPHB1	FGF10	GEN1	HNRNP8
ABL2	BAP1	CDC42	CYLD	EPHB4	FGF12	GID4	HOXB13
ACVR1	BARD1	CDC73	CYP17A1	ERBB2	FGF14	GLI1	HRAS
ACVR1B	BBC3	CDH1	CYP19A1	ERBB3	FGF19	GNA11	HSD3B1
ADARB2	BCL10	CDH4	CYP2C19	ERBB4	FGF2	GNA13	HSP90AA1
AGO1	BCL2	CDK12	CYP2D6	ERCC1	FGF23	GNAQ	ICOSLG
AGO2	BCL2L1	CDK4	CYSLTR2	ERCC2	FGF3	GNAS	ID3
AJUBA	BCL2L11	CDK6	DAXX	ERCC3	FGF4	GNB1	IDH1
AKT1	BCL2L2	CDK7	DCUN1D1	ERCC4	FGF5	GPR124	IDH2
AKT2	BCL6	CDK8	DDR1	ERCC5	FGF6	GPS2	IFNGR1
AKT3	BCOR	CDKN1A	DDR2	ERF	FGF7	GREM1	IGF1
ALB	BCORL1	CDKN1B	DDX41	ERG	FGF8	GRIN2A	IGF1R
ALK	BCR	CDKN2A	DHX15	ERRFI1	FGF9	GRM3	IGF2
ALOX12B	BIRC3	CDKN2B	DICER1	ESR1	FGFR1	GSK3B	IKBKE
AMER1	BLM	CDKN2C	DIS3	ETAA1	FGFR2	H3F3A	IKZF1
ANKRD11	BMPR1A	CEBPA	DNAJB1	ETS1	FGFR3	H3F3B	IL10
ANKRD26	BRAF	CENPA	DNMT1	ETV1	FGFR4	H3F3C	IL7R
APC	BRCA1	CHD2	DNMT3A	ETV4	FH	HDAC1	INHA
APLN	BRCA2	CHD4	DNMT3B	ETV5	FLCN	HGF	INHBA
AR	BRD4	CHEK1	DOT1L	ETV6	FLI1	HIST1H1C	INPP4A
ARAF	BRIP1	CHEK2	DPYD	EWSR1	FLT1	HIST1H2BD	INPP4B
ARFRP1	BTG1	CIC	DROSHA	EZH1	FLT3	HIST1H3A	INPPL1
ARHGAP35	BTG2	CMTR2	DUSP4	EZH2	FLT4	HIST1H3B	INSR
ARID1A	BTK	CNTN4	E2F3	EZR	FOXA1	HIST1H3C	IRF2
ARID1B	CALR	CREBBP	EED	FAM175A	FOXF1	HIST1H3D	IRF4
ARID2	CARD11	CRKL	EGFL7	FAM46C	FOXL2	HIST1H3E	IRS1
ARID5B	CARM1	CRLF2	EGFR	FAM58A	FOXO1	HIST1H3F	IRS2
ASXL1	CASP8	CSDE1	EIF1AX	FANCA	FOXP1	HIST1H3G	JAK1
ASXL2	CBFB	CSF1R	EIF4A2	FANCC	FRS2	HIST1H3H	JAK2
ATM	CBL	CSF3R	EIF4E	FANCD2	FUBP1	HIST1H3I	JAK3
ATR	CCNB3	CSNK1A1	ELF3	FANCE	FYN	HIST1H3J	JUN
ATRX	CCND1	CTCF	EML4	FANCF	GAB1	HIST2H3A	KAT6A
ATXN7	CCND2	CTLA4	EMSY	FANCG	GAB2	HIST2H3C	KBTBD4
AURKA	CCND3	CTNNA1	EP300	FANCI	GABRA6	HIST2H3D	KDM5A
AURKB	CCNE1	CTNNB1	EPAS1	FANCL	GATA1	HIST3H3	KDM5C
AXIN1	CD276	CTR9	EPCAM	FAS	GATA2	HLA-A	KDM6A
AXIN2	CD70	CUL3	EPHA3	FAT1	GATA3	HLA-B	KDR
AXL	CD74	CUL4A	EPHA5	FBXW7	GATA4	HLA-C	KEAP1
B2M	CD79A	CUX1	EPHA7	FGF1	GATA6	HNF1A	KEL

KIF5B	MSH6	PARP3	PRSS8	RYBP	SRC	VEGFA
KIT	MSI1	PAX3	PTCH1	SCG5	SRSF2	VHL
KLF4	MSI2	PAX5	PTEN	SDC4	STAG1	VTCN1
KLF5	MST1	PAX7	PTP4A1	SDHA	STAG2	WHSC1
KLHL6	MST1R	PAX8	PTPN11	SDHAF2	STAT3	WHSC1L1
KMT2A	MTAP	PBRM1	PTPRD	SDHB	STAT4	WISP3
KMT2B	MTOR	PD-1	PTPRN2	SDHC	STAT5A	WT1
KMT2C	MUTYH	PD-L1	PTPRS	SDHD	STAT5B	WWTR1
KMT2D	MYB	PD-L2	PTPRT	SERPINB3	STK11	XIAP
KMT5A	MYC	PDGFRA	QKI	SERPINB4	STK19	XPO1
KNSTRN	MYCL	PDGFRB	RAB35	SESN1	STK40	XRCC2
KRAS	MYCN	PDK1	RAC1	SESN2	SUFU	YAP1
LAMP1	MYD88	PDPK1	RAC2	SESN3	SUZ12	YES1
LATS1	MYOD1	PGBD5	RAD21	SETBP1	SYK	ZBTB2
LATS2	NAB2	PGR	RAD50	SETD2	TAF1	ZBTB7A
LMO1	NADK	PHF6	RAD51	SETDB1	TAP1	ZFH3
LRP1B	NBN	PHOX2B	RAD51B	SF3B1	TAP2	ZNF217
LTK	NCOA3	PIGA	RAD51C	SGK1	TBX3	ZNF703
LYN	NCOR1	PIK3C2B	RAD51D	SH2B3	TCEB1	ZNRF3
LZTR1	NEGR1	PIK3C2G	RAD52	SH2D1A	TCF3	ZRSR2
MAD2L2	NF1	PIK3C3	RAD54L	SHOC2	TCF7L2	
MAGI2	NF2	PIK3CA	RAF1	SHQ1	TEK	
MALT1	NFE2L2	PIK3CB	RANBP2	SLC34A2	TERT	ALK
MAP2K1	NFKBIA	PIK3CD	RARA	SLFN11	TET1	ROS1
MAP2K2	NKX2-1	PIK3CG	RASA1	SLIT2	TET2	RET
MAP2K4	NKX3-1	PIK3R1	RB1	SLX4	TFE3	FGFR1
MAP3K1	NOTCH1	PIK3R2	RBM10	SMAD2	TFRC	FGFR2
MAP3K13	NOTCH2	PIK3R3	RECQL	SMAD3	TGFBR1	FGFR3
MAP3K14	NOTCH3	PIM1	RECQL4	SMAD4	TGFBR2	NTRK1
MAP3K4	NOTCH4	PLCG2	REL	SMARCA2	TIPARP	NTRK2
MAPK1	NPM1	PLK2	REST	SMARCA4	TMEM127	NTRK3
MAPK3	NRAS	PMAIP1	RET	SMARCB1	TMPRSS2	BRAF
MAPKAP1	NRG1	PMS1	RFWD2	SMARCD1	TNFAIP3	NRG1
MAX	NSD1	PMS2	RHEB	SMARCE1	TNFRSF14	EWSR1
MCL1	NT5C2	PNRC1	RHOA	SMC1A	TOP1	TMPRSS2
MDC1	NTHL1	POLD1	RICTOR	SMC3	TOP2A	BRCA1
MDM2	NTRK1	POLE	RIT1	SMO	TP53	BRCA2
MDM4	NTRK2	POT1	RNF43	SMYD3	TP53BP1	PTEN
MED12	NTRK3	PPARG	ROS1	SNCAIP	TP63	AR
MEF2B	NUF2	PPM1D	RPS6KA4	SNTG2	TPMT	EGFR
MEN1	NUP93	PPP2R1A	RPS6KB1	SOCS1	TRAF2	ERBB2
MET	NUTM1	PPP2R2A	RPS6KB2	SOS1	TRAF7	MET
MGA	OPCML	PPP4R2	RPTOR	SOX10	TRIP13	PALB2
MITF	P2RY8	PPP6C	RRAGC	SOX17	TSC1	RB1
MLH1	PAK1	PRDM1	RRAS	SOX2	TSC2	
MLLT1	PAK3	PRDM14	RRAS2	SOX9	TSHR	HRD
MLLT3	PAK7	PREX2	RSPO2	SPEN	TYRO3	MSI
MPL	PALB2	PRKAR1A	RTEL1	SPOP	U2AF1	TMB
MRE11A	PARK2	PRKCI	RUNX1	SPRED1	UGT1A1	
MSH2	PARP1	PRKD1	RUNX1T1	SPRTN	UPF1	
MSH3	PARP2	PRKDC	RXRA	SPTA1	USP8	



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