



Altera offers a whole exome and transcriptome based approach for Comprehensive Genomic Profiling (CGP) with boosted >500X coverage for 440 medically important genes listed here:

ABL1	C7orf55	DLX4	FGFR4	IRF4	MUTYH	POLQ	SMAD3	TRAF3
ABL2	CALM1	DNMT3A	FH	IRS2	MYB	PPARG	SMAD4	TRAF7
ACVR1B	CALR	DOT1L	FLCN	JAK1	MYC	PPP2R1A	SMARCA4	TSC1
AKT1	CARD11	DRD5	FLT1	JAK2	MYCL	PRDM1	SMARCB1	TSC2
AKT2	CASP8	EEF1A1	FLT3	JAK3	MYCN	PRELID2	SMC1A	TSHR
AKT3	CBFB	EGFR	FLT4	JUN	MYD88	PREX2	SMC3	TTL11
ALG10B	CBL	EIF4A2	FOXA1	KAT6A	NBN	PRKAR1A	SMO	TTL6
ALG11	CCND1	EP300	FOXL2	KDM5A	NF1	PRKCI	SNCAIP	TTL7
ALK	CCND2	EPHA3	FOXO1	KDM5C	NF2	PRKDC	SOCS1	TUBA3C
AMER1	CCND3	EPHA5	FOXP1	KDM6A	NFE2L2	PRSS8	SOX10	TUBA3D
APC	CCNE1	EPHA7	FRS2	KDR	NFKBIA	PSMB3	SOX2	TUBA3E
API5	CD274	EPHB1	FUBP1	KEAP1	NKX2-1	PTCH1	SOX9	TUBAL3
AR	CD79A	ERBB2	GABRA6	KEL	NOTCH1	PTEN	SPEN	TUBB3
ARAF	CD79B	ERBB3	GATA1	KIT	NOTCH2	PTPN11	SPOP	TUBGCP4
ARFRP1	CDC73	ERBB4	GATA2	KLF4	NOTCH3	QKI	SPTA1	TUBGCP6
ARID1A	CDH1	ERCC2	GATA3	KLHL6	NPM1	RAC1	SRC	U2AF1
ARID1B	CDK12	ERCC3	GATA4	KMT2A	NRAS	RAD21	RSCIN1	VEGFA
ARID2	CDK4	ERCC4	GATA6	KMT2C	NSD1	RAD50	SRSF2	VHL
ASXL1	CDK6	ERCC5	GID4	KMT2D	NTRK1	RAD51	STAG2	WDR74
ATM	CDK8	ERG	GLI1	KRAS	NTRK2	RAD51B	STAG3	WHSC1
ATR	CDKN1A	ERRF1	GLIPR1L2	LMO1	NTRK3	RAF1	STAT3	WHSC1L1
ATRX	CDKN1B	ESR1	GNA11	LRP1B	NUP93	RANBP2	STAT4	WISP3
AURKA	CDKN2A	ETV1	GNA13	LRRRC4C	P2RY14	RARA	STAT5B	WT1
AURKB	CDKN2B	ETV4	GNAQ	LTB	PAK3	RB1	STK11	WWTR1
AXIN1	CDKN2C	ETV5	GNAS	LYN	PALB2	RBM10	SUFU	XBP1
AXL	CEBPA	ETV6	GOLGA2	LZTR1	PARK2	RCN1	SUZ12	XPO1
B2M	CHD2	EZH2	GPR124	MAGI2	PAX5	RECQL4	SYK	ZBTB2
BAP1	CHD4	FAM106A	GRIN2A	MALT1	PBRM1	REL	TAF1	ZFP41
BARD1	CHEK1	FAM46C	GRM3	MAP2K1	PCMTD1	RET	TBC1D31	ZNF208
BCL10	CHEK2	FANCA	GSK3B	MAP2K2	PDCC1	RHEB	TBL1XR1	ZNF217
BCL2	CIC	FANCC	H3F3A	MAP2K4	PDCC1LG2	RHOA	TBK3	ZNF703
BCL2L1	CNTNAP5	FANCD2	H3F3B	MAP3K1	PDGFRA	RICTOR	TCF3	ZNF773
BCL2L11	CREBBP	FANCE	HERC2	MAP3K14	PDGFRB	RIT1	TCF7L2	
BCL2L2	CRKL	FANCF	HGF	MAPK1	PDK1	RNF34	TERC	
BCL6	CRLF2	FANCG	HIST1H3B	MAT2A	PES1	RNF43	TERT	
BCL7A	CSF1R	FANCL	HIST2H2BF	MAX	PHF6	ROS1	TET1	
BCOR	CSF3R	FAS	HNF1A	MCL1	PHOX2B	RP11-160N1.10	TET2	
BCORL1	CTCF	FAT1	HPCAL4	MDM2	PIK3C2B	RPTOR	TGFBR2	
BCR	CTLA4	FBXW7	HRAS	MDM4	PIK3CA	RUNX1	TMPRSS2	
BIRC3	CTNNA1	FCGR1A	HSD3B1	MED12	PIK3CB	RUNX1T1	TNFAIP3	
BLM	CTNNA2	FGF10	HSP90AA1	MEF2B	PIK3CG	SDHA	TNFRSF10A	
BMPR1A	CTNNB1	FGF14	IDH1	MEN1	PIK3R1	SDHAF2	TNFRSF10B	
BRAF	CUL3	FGF19	IDH2	MET	PIK3R2	SDHB	TNFRSF14	
BRCA1	CXCR4	FGF23	IGF1R	MITF	PIM1	SDHC	TOB2	
BRCA2	CYLD	FGF3	IGF2	MLH1	PLCG2	SDHD	TOP1	
BRD4	DAXX	FGF4	IKBKE	MPL	PLCL1	SETBP1	TOP2A	
BRIP1	DDR2	FGF6	IKZF1	MRE11A	PLEKHS1	SETD2	TP53	
BTG1	DDX3X	FGF7	IL7R	MSH2	PMS1	SF3B1	TP53TG3D	
BTK	DERL1	FGFR1	INHBA	MSH6	PMS2	SH2B3	TP63	
C11orf30	DHX16	FGFR2	INPP4B	MSI2	POLD1	SLIT2	TPPP2	
C1orf159	DICER1	FGFR3	IRF2	MTOR	POLE	SMAD2	TPSAB1	

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