



Gene List for Solid Tumour

(1021)

- All exome genes: 170

ABL1	BRCA1	CDK4	EPHA3	FGFR4	IDH2	MDM4	NOTCH2	PSMB1	SMARCA4
ABL2	BRCA2	CDK6	EPHA5	FLCN	IGF1R	MED12	NOTCH3	PSMB5	SMARCB1
AKT1	BRD2	CDK8	ERBB2	FLT1	IL7R	MET	NOTCH4	PTCH1	SMO
AKT2	BRD3	CDKN1A	ERBB3	FLT3	INPP4B	MITF	NRAS	PTCH2	SRC
AKT3	BRD4	CDKN1B	ERBB4	FLT4	IRS2	MLH1	NTRK1	PTEN	STAT1
ALK	BTK	CDKN2A	ERCC1	FOXA1	JAK1	MLH3	NTRK3	PTPN11	STAT3
APC	C11orf30	CDKN2B	ERG	FOXL2	JAK2	MPL	PALB2	RAF1	STK11
AR	C1QA	CHEK1	ESR1	GAB2	JAK3	MS4A1	PDGFRA	RARA	SYK
ARAF	C1S	CHEK2	EZH2	GATA3	KDR	MSH2	PDGFRB	RB1	TMPRSS2
ATM	CBL	CRKL	FAT1	GNA11	KIT	MSH3	PDK1	RET	TOP1
ATR	CCND1	CSF1R	FBXW7	GNAQ	KRAS	MSH6	PIK3CA	RHEB	TP53
AURKA	CCND2	CTNNB1	FCGR2A	GNAS	MAP2K1	MTOR	PIK3CB	RHOA	TSC1
AURKB	CCND3	DDR1	FCGR2B	HDAC1	MAP2K2	MYC	PIK3R1	RICTOR	TSC2
AXL	CCNE1	DDR2	FCGR3A	HDAC4	MAPK1	MYD88	PIK3R2	RNF43	VEGFA
BAP1	CD274	DNMT3A	FGFR1	HGF	MAPK3	NF1	PMS1	ROCK1	VHL
BCL2	CDH1	EGFR	FGFR2	HRAS	MCL1	NF2	PMS2	ROS1	XPO1
BRAF	CDK13	EPHA2	FGFR3	IDH1	MDM2	NOTCH1	PRKAA1	RPS6KB1	XRCC1

- Genes including introns and promoter regions: 4

BCR	KIF5B	BCL2L11	TERT
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- Fusion genes: 20

ALK	FGFR1	FGFR2	FGFR3	NTRK1	NTRK3	PDGFRA	PDGFRB	ROS1	RET
MET	BRAF	ABL1	BRD3	BRD4	EGFR	RAF1	RARA	ERG	TMPRSS2

• Related genes being monitored: 1122 exons of 847 genes

ABCA10	ATAD2B	CDK11A	CYTH4	EXOC6	GPR125	KIAA0319	MCF2L2	NRXN2	PLXNA1	RNF215	SLC43A1	TGM5	UGT8
ABCA8	ATG9B	CDK12	DCLK2	EXOC7	GPR133	KIAA0922	MCOLN2	NT5C3L	POLDIP2	RNF219	SLC45A1	THBS2	ULK3
ABCB7	ATP10B	CDK14	DCST1	EXTL3	GPR144	KIAA1191	MDGA2	NTM	POLE	RPL22	SLC4A10	THEM5	UMOD
ABCC8	ATP10D	CDK18	DDB1	EYA4	GPS2	KIAA1199	MDN1	NUDCD2	POLR2J	RPL36A	SLC4A4	THOC1	UNC13A
ABCF2	ATP12A	CDK19	DDX24	F8	GRIA3	KIAA1211L	MED23	NUP205	POLR3B	RPS5	SLC5A1	THSD7A	UNC13D
ACE	ATP2C1	CDS1	DDX3X	F9	GRIK2	KIF13A	MEFV	NUP210	POLR3GL	RPS6KA1	SLC6A5	THSD7B	UNC5D
ACER2	ATP6V0A2	CEACAM20	DEPDC4	FAH	GUCY1A3	KIF1B	METTL14	NUTM1	POLRMT	RPTOR	SLC8A1	TIMD4	USP12
ACOT11	ATP8B2	CECR2	DGKK	FAM114A2	GUCY2C	KIF26B	METTL5	NWD1	POM121L12	RPUSD4	SLCO1B7	TIMM44	USP34
ACPP	ATXN2	CELA2B	DHCR24	FAM131B	GYLTL1B	KIFAP3	MGAM	NXF1	POTEG	RREB1	SLCO5A1	TIMP3	USP39
ACSL1	ATXN7L2	CGN	DHDDS	FAM135B	HAAO	KIFC1	MICALL1	NXF5	PPA1	RRP7A	SMTN	TJP3	USP45
ACSM5	BAX	CHD3	DHX9	FAM13C	HAP1	KIR2DL3	MID1	OBP2A	PPDPF	RUNDC3A	SNTG1	TLE1	USP48
ACSS3	BBS9	CHD4	DIAPH1	FAM157B	HAUS5	KIR3DL3	MIER2	OBP2B	PPEF1	RUNX1	SORCS3	TLL1	VAV1
ACTL6B	BCAS1	CHD6	DKC1	FAM177B	HAUS6	KLHL1	MLL3	OCA2	PPFIBP2	RYR2	SPAG16	TMC2	VEZF1
ADAM23	BCAS2	CHI3L1	DLST	FAM21A	HCN1	KLHL14	MLPH	ODZ3	PPIL2	RYR3	SPATA13	TMED8	VILL
ADAM33	BLOC1S1	CISD3	DMD	FAM3A	HDAC6	KLK1	MORC1	OR2T4	PPP1R17	SAFB2	SPG20	TMEM104	VIT
ADAMTS12	BMPR1B	CLCN7	DMXL1	FAM49A	HEATR7B2	KMT2B	MORN1	OR4A15	PPP4R4	SAG	SPINT1	TMEM120B	VPS13A
ADAMTS16	BRF1	CLEC16A	DMXL2	FAM49B	HECTD4	KMT2C	MRPL1	OR4C6	PQBP1	SAGE1	SPPL2A	TMEM132D	VPS33B
ADAMTS19	BRSK2	CLINT1	DNAH10	FAM5C	HECW1	KRT2	MRPL24	OR5L2	PREB	SAMD8	SPPL3	TMEM145	VSIG4
ADAMTS20	BRWD3	CNGB3	DNAH5	FAM86B1	HECW2	KRT9	MRPS18B	OR6F1	PREX2	SCN10A	SPRED1	TMEM247	WAS
ADAMTS5	BSG	CNKSR2	DNAH9	FAN1	HID1	KRTAP5-5	MSI1	OSBPL10	PRKACA	SCN3A	SPTA1	TMEM80	WASL
ADAMTSL1	BTNL3	CNOT3	DNAJC11	FANCC	HIST1H3B	KTN1	MTA2	OTOA	PRKAG3	SCN7A	SRRT	TMEM87A	WDR44
ADD2	BTRC	CNOT4	DNAJC9	FASTK	HLA-DRB1	L3MBTL1	MTM1	OTOGL	PRKCD	SCN9A	SSBP3	TMTC4	WDR52
AGMAT	C12orf5	CNTN1	DNTTIP1	FATE1	HLA-DRB5	LARP1	MTR	OVCH1	PRKDC	SDK2	SSH2	TMX3	WDR62
AGTPBP1	C19orf38	CNTN4	DOCK11	FBN2	HMCN1	LCN10	MTTP	P4HB	PRKX	SEC14L4	SSPO	TNFAIP6	WDR66
AHCTF1	C1orf112	CNTN5	DOCK3	FDCSP	HMHA1	LCT	MUC5B	PABPC4	PRRX1	SEC24B	ST18	TNFSF4	WDR72
AK5	C1orf35	CNTNAP3B	DOT1L	FLNC	HNF4A	LCTL	MUS81	PACS2	PRSS1	SEH1L	ST6GALNAC1	TNN	WDTC1
AKR1B10	C20orf112	CNTNAP5	DPP10	FLOT2	HOMER2	LETM1	MYB	PAEP	PRUNE	SELP	STAG2	TNNT1	WLS
AKR1C1	C2orf47	COASY	DPP4	FLT3LG	HPS3	LGALS13	MYBPC2	PAGE1	PSG2	SEMA6A	STAT4	TNR	WSCD2
ALDH1A3	C2orf62	COL14A1	DRGX	FMN2	HPS4	LILRB3	MYCBP2	PARK2	PSG5	SEPT12.	STAT6	TNS3	WWP2
ALDH2	C7orf53	COL16A1	DUOX1	FMNL3	HSPA12B	LILRB4	MYH15	PARP4	PSIP1	SERPINA7	STK11IP	TP53BP1	XBP1
ALG5	C9orf114	COL19A1	DYSF	FNDC4	HSPD1	LIPN	MYH2	PCK2	PSMC4	SETD1B	STK31	TPCN1	XPO4
ALX4	C9orf43	COL1A1	DZANK1	FNIP2	HYDIN	LMAN1L	MYH4	PCLO	PSMC6	SETD2	STX3	TPH2	XPO5
AMOT	CACNA1A	COL25A1	ECHDC1	FOLH1	IBSP	LMBR1L	MYH8	PCNT	PSTPIP1	SF1	SULT1A4	TPMT	ZAP70
ANK2	CACNA1D	COL4A5	EDN1	FOXJ2	IFT172	LPCAT4	MYH9	PCNXL2	PTBP3	SF3B1	SUPT5H	TPTE	ZBTB8OS
ANKRD13D	CACNA1E	COL4A6	EEF1A1	FRG1	IGSF9	LPHN3	MYL5	PCSK5	PTCD3	SF3B14	SUPT6H	TRIM33	ZC3H13
ANKRD20A4	CADM2	COL5A1	EFCAB5	FRG2B	IKBKAP	LRBA	MYL6	PCYT1A	PTGES3L-AARSD1	SF3B3	SYCP2L	TRIM51	ZC3H7B
ANKRD27	CAMKK1	COL5A2	EFCAB6	FRMD4A	IKBKE	LRP1B	MYLK2	PDCD6	PTGS2	SGCZ	SYNE1	TRIM58	ZDHHC11
ANKRD28	CAPRIN1	COL5A3	EFCAB7	FRMPD2	IL11RA	LRP2	MYO3A	PDE1C	PTPLAD1	SGIP1	SYNE2	TRIML1	ZFC3H1
ANKRD30A	CARS	COL6A5	EFHA2	FRMPD4	IL13RA2	LRP4	MYOM1	PDE2A	PTPN13	SGK1	SYNJ2	TRIO	ZFR
ANKRD30B	CARS2	COL6A6	EFNA5	FSD2	IL1RAPL1	LRRC16B	NACAD	PDE4DIP	PTPRA	SGPL1	TAF1B	TRIP11	ZMYM4
ANKRD36B	CASC4	COL9A1	EIF1AX	FSHR	IL27RA	LRRC2	NARF	PDIA5	PTPRD	SH2D3A	TAF6	TRMT112	ZNF143
ANO2	CASP8	COPA	EIF2B5	FUBP1	IMPG1	LRRC7	NAT10	PDILT	PTPRM	SH3BGR	TARBP1	TRPC5	ZNF350
AP1B1	CASP8AP2	COPG1	EIF2C2	FUNDC1	INHBA	LRRC72	NAV3	PDRG1	PYHIN1	SH3PXD2A	TBC1D1	TRUB1	ZNF385A
AP1G2	CASQ2	CPA1	EIF3E	GAB3	INPP5J	LRRD1	NBPF1	PEX6	QRICH2	SHISA4	TBC1D21	TSGA10	ZNF414
AP3B1	CATSPER2	CPSF3	EIF3I	GABRD	IQCA1	LRRFIP2	NBPF10	PGAP1	RAB1B	SI	TBC1D3	TSKS	ZNF512B
APAF1	CBFB	CPSF6	EIF4ENIF1	GAD2	ITFG2	LRSAM1	NCF2	PHACTR3	RAB3GAP2	SIDT2	TBC1D5	TSPAN12	ZNF541
APLP2	CBX4	CRTAM	EIF4H	GALNT13	ITGA8	LTBP1	NCKAP1	PHF20L1	RAB6A	SIK3	TBL1X	TSR2	ZNF563
APMAP	CCDC155	CRTAP	ELAVL3	GALNT14	ITGA9	LUC7L2	NCOR1	PHYH	RAC2	SIM1	TBP	TTF2	ZNF614
APPL2	CCDC159	CRYBG3	ELL3	GFRAL	ITIH1	LUZP4	NCOR2	PI4KB	RALBP1	SIM2	TBX15	TTN	ZNF687
AQP12A	CCDC17	CSMD1	EMID2	GIGYF1	ITLN2	MAEL	NEK5	PIP4K2C	RAPGEF2	SLC13A3	TBX22	TUBA3C	ZNF705B
ARFGAP1	CCT3	CSMD3	ENPP2	GINS4	ITM2A	MAGI1	NELL1	PIP5K1C	RARB	SLC17A6	TBX3	TUBGCP4	ZNF705G
ARFRP1	CCT6B	CSN3	ENTPD6	GIPR	ITPKB	MAN2A1	NFE2L2	PIWIL1	RASEF	SLC17A8	TCF20	TUBGCP5	ZNF711
ARHGAP35	CD1E	CSNK1E	EPB41L2	GKN2	ITPR1	MAP2	NIPBL	PKD1L2	RBM6	SLC25A1	TCF4	TYK2	ZNF804B
ARHGAP40	CD300LF	CSPP1	EPB41L4B	GLB1L3	KCNAB2	MAP2K4	NLGN3	PKHD1	RBMX	SLC25A30	TCP10	TYRP1	ZSWIM8
ARHGEF1	CD5L	CTCF	EPHB1	GLYR1	KCNH6	MAP3K1	NLRC3	PKLR	RCC1	SLC26A3	TCP11	U2AF1	
ARHGEF7	CD9	CTIF	EPS8L3	GMDS	KCNQ2	MAP4K1	NLRP4	PLAC8	REC8	SLC2A2	TEK	U2AF2	
ARNTL	CD97	CTNNA2	ESD	GNPTAB	KDM4A	MAPKAPK3	NMI	PLCB4	REG1B	SLC30A5	TESC	UBASH3A	
ARPC4-TTL3	CD99	CTSF	ETNK2	GOLGA4	KDM6A	MAPRE3	NOP2	PLCZ1	RELN	SLC35B2	TEX35	UBE2Q1	
ASH2L	CDH18	CYP2A13	ETV6	GPAT2	KEAP1	MAST1	NOS1	PLEC	RERE	SLC35B4	TFDP1	UBE4B	
ASTN1	CDH24	CYP3A4	EXOC4	GPATCH2	KIAA0195	MBIP	NOS2	PLK2	RFWD2	SLC38A4	TGDS	UCHL3	
ASXL2	CDH26	CYP4A11	EXOC5	GPR114	KIAA0226	MBTPS2	NRXN1	PLOD3	REFX3	SLC38A5	TGM2	UCK2	