

For Research Use Only. Not for use in diagnostic procedures.

A2M	ADRA2B	APH1B	BAG1	BRCA2	CARM1	CCNH	CDC25A	CHI3L1	COX7B	CXCL16	DESI1
ABCA2	ADRA2C	APOC2	BAG2	BRIP1	CASP1	CCNO	CDC25B	CHI3L2	CP	CXCL2	DDFA
ABCA3	AFF1	APOC4	BAG3	BTC	CASP10	CCNT1	CDC25C	CHMP4B	CPT1A	CXCL3	DHCR24
ABCA4	AGER	APOL3	BAG4	BTG1	CASP12	CCR1	CDC34	CHPT1	CPT1B	CXCL5	DHH
ABCA5	AGFG1	APP	BAG5	BTG2	CASP14	CCR10	CDC42	CHRNA1	CPT1C	CXCL6	DHX58
ABCA9	AGGF1	APPPBP2	BAI1	BTG3	CASP2	CCR2	CDC42BPA	CHRNA1	CPT2	CXCL8	DIABLO
ABCB11	AGT	AQP1	BAIAP3	BTB	CASP3	CCR3	CDC6	CHSY1	CRADD	CXCL9	DIAPH3
ABCB4	AHNAK	AQP2	BAK1	BTRC	CASP4	CCR4	CDC7	CHUK	CREB1	CXCR1	DICER1
ABCB5	AHNAK2	AQP4	BAMBI	BUB1	CASP5	CCR5	CDCA7	CIC	CREB3L1	CXCR2	DISP1
ABCB6	AHR	AQP7	BAP1	BUB1B	CASP6	CCR6	CDH1	CIDEA	CREB3L3	CXCR3	DISP2
ABCC1	AHRR	AQP9	BATF	C17orf53	CASP7	CCR7	CDH13	CIDEB	CREB3L4	CXCR4	DKC1
ABCC10	AICDA	AR	BAX	C19orf40	CASP8	CCR8	CDH15	CIRBP	CREB5	CXCR5	DKK1
ABCC11	AIFM1	ARAF	BBC3	C1orf106	CASP8AP2	CCR9	CDH2	CITED2	CREBBP	CXCR6	DKK2
ABCC12	AIMP2	AREG	BBS4	C1orf159	CASP9	CCRL2	CDH3	CKB	CRK	CXXC4	DKK3
ABCC2	AK1	ARHGAP44	BCAR1	C1orf86	CAV1	CCS	CDH5	CKLF	CRLF2	CXXC5	DKK4
ABCC3	AK2	ARHGEF16	BCAT1	C1QA	CAV2	CCT2	CDK1	CKMT1A	CRLS1	CYBA	DLC1
ABCC4	AK3	ARID1A	BCCIP	C1S	CBL	CCT3	CDK16	CKMT2	CRP	CYBB	DLGAP5
ABCC5	AKAP1	ARID1B	BCL10	C3	CBLC	CCT4	CDK2	CKS1B	CRTAC1	CYCS	DLK1
ABCC6	AKR1B1	ARID2	BCL2	C3AR1	CBX3	CCT5	CDK4	CKS2	CRTC2	CYLD	DLL1
ABCD1	AKR1C3	ARMC1	BCL2A1	C5	CBX5	CCT6A	CDK5	CLCA2	CRY1	CYP19A1	DLL3
ABCD3	AKT1	ARNT	BCL2L1	C5AR1	CCBL2	CCT6B	CDK5R1	CLCF1	CRYAA	CYP11A1	DLL4
ABCD4	AKT1S1	ARNT2	BCL2L10	C5orf55	CCDC103	CCT7	CDK5RAP1	CLDN3	CRYAB	CYP1A2	DMC1
ABCF1	AKT2	ASB13	BCL2L11	CA12	CCL1	CD14	CDK6	CLIC1	CSDE1	CYP1B1	DMD
ABCG2	AKT3	ASB16-AS1	BCL2L2	CA9	CCL11	CD160	CDK7	CLIC3	CSF1	CYP2A6	DNAJA1
ABCG8	ALAS1	ASB9	BCL3	CACNA1C	CCL13	CD163	CDK8	CMC2	CSF1R	CYP2B6	DNAJA2
ABHD2	ALB	ASNS	BCL6	CACNA1D	CCL14	CD19	CDK9	CMKLR1	CSF2	CYP2C19	DNAJA3
ACACA	ALCAM	ASPM	BCOR	CACNA1E	CCL15	CD2	CDKL5	CMTM1	CSF3	CYP2C8	DNAJA4
ACACB	ALDH1A1	ASXL1	BCR	CACNA1G	CCL16	CD209	CDKN1A	CMTM2	CSF3R	CYP2C9	DNAJB1
ACADS	ALDH1A3	ATAD2	BDNF	CACNA1H	CCL17	CD22	CDKN1B	CMTM3	CSNK1A1	CYP2D6	DNAJB11
ACKR1	ALDH2	ATF1	BECN1	CACNA2D1	CCL18	CD24	CDKN1C	CMTM4	CSNK1E	CYP2U1	DNAJB12
ACKR2	ALDH4A1	ATF2	BFAR	CACNA2D2	CCL19	CD27	CDKN2A	CNIH4	CSNK2A1	CYP3A4	DNAJB13
ACKR3	ALDOC	ATF4	BHLHE40	CACNA2D3	CCL2	CD274	CDKN2B	CNOT3	CSNK2B	CYP3A5	DNAJB14
ACKR4	ALK	ATF6	BID	CACNA2D4	CCL20	CD276	CDKN2C	CNPY1	CST6	CYP4A22	DNAJB2
ACLY	ALKBH2	ATF6B	BIK	CACNB2	CCL21	CD28	CDKN2D	CNPY2	CSTB	CYP4V2	DNAJB5
ACSL3	ALKBH3	ATG12	BIRC2	CACNB3	CCL22	CD33	CDKN3	CNPY3	CTGF	CYP7A1	DNAJB6
ACSL4	ALPL	ATG13	BIRC3	CACNB4	CCL23	CD34	CDON	CNPY4	CTLA4	CYR61	DNAJB7
ACSL5	AMER1	ATG16L1	BIRC5	CACNG1	CCL24	CD38	CDX2	CNTF	CTNNA1	DAAM1	DNAJB8
ACTA2	AMFR	ATG3	BIRC6	CACNG4	CCL25	CD3D	CEACAM3	CNTFR	CTNNA1	DAB2	DNAJB9
ACTB	AMH	ATG5	BIRC7	CACNG6	CCL26	CD4	CEACAM5	COL11A1	CTNNA1	DAB2IP	DNAJC1
ACTR1B	AMOT	ATG7	BLM	CACYBP	CCL27	CD40	CEACAM7	COL11A2	CTNND2	DACH1	DNAJC10
ACTR2	ANAPC2	ATM	BLVRA	CAD	CCL28	CD40LG	CEBPA	COL17A1	CTPS1	DAPK1	DNAJC11
ACTR3B	ANG	ATP5A1	BMF	CADM1	CCL3	CD44	CEBPB	COL18A1	CTSA	DAPL1	DNAJC12
ACVR1B	ANGPT1	ATP5F1	BMI1	CALD1	CCL4	CD47	CEBPD	COL1A1	CTSB	DAXX	DNAJC13
ACVR1C	ANGPT2	ATP5G1	BMP1	CALM1	CCL5	CD5	CEBPE	COL1A2	CTSC	DBI	DNAJC14
ACVR2A	ANGPTL1	ATP6V0C	BMP2	CALML3	CCL7	CD52	CECR6	COL27A1	CTSD	DCK	DNAJC15
ADAM17	ANGPTL4	ATP6V1G2	BMP4	CALML5	CCL8	CD55	CELSR2	COL2A1	CTSH	DDB2	DNAJC16
ADAM23	ANKRD37	ATP7A	BMP5	CALML6	CCNA1	CD59	CENPF	COL3A1	CTSL	DDIT3	DNAJC17
ADAMTS1	ANLN	ATP7B	BMP6	CALR	CCNA2	CD63	CENPN	COL4A2	CTSS	DDIT4	DNAJC18
ADAR	ANPEP	ATR	BMP7	CAMK2B	CCNB1	CD68	CEP55	COL4A3	CTSV	DDR1	DNAJC21
ADCK3	ANXA1	ATRX	BMP8A	CAMK2N1	CCNB2	CD70	CES1	COL4A4	CUL2	DDX10	DNAJC22
ADIPOQ	ANXA2	ATXN1	BMP9B	CAMKK1	CCNB3	CD74	CES2	COL4A5	CUL3	DDX17	DNAJC3
ADIPOR1	ANXA3	ATXN3	BMPR1B	CAMKK2	CCNC	CD79A	CFLAR	COL4A6	CX3CL1	DDX39B	DNAJC4
ADIPOR2	ANXA8	AURKA	BNIP2	CAPN1	CCND1	CD80	CFTF	COL5A1	CX3CR1	DDX5	DNAJC5
ADM	AP2B1	AURKB	BNIP3	CAPN2	CCND2	CD83	CHAD	COL5A2	CXADR	DDX58	DNAJC5B
ADORA2A	APAF1	AURKC	BNIP3L	CAPN3	CCND3	CD86	CHD1	COL6A6	CXCL1	DDX59	DNAJC5G
ADORA2B	APBB1	AXIN1	BOC	CAPN5	CCNE1	CD8A	CHD7	COL9A3	CXCL10	DEFB1	DNAJC6
ADRA1A	APC	AXIN2	BOD1	CAPN6	CCNE2	CD8A	CHDH	COMMD4	CXCL11	DEGS1	DNAJC7
ADRA1B	APCS	AXL	BOK	CAPN7	CCNF	CD8A	CHEK1	COMP	CXCL12	DEPND4A	DNAJC8
ADRA1D	APEX1	B3GNT8	BRAF	CAPNS1	CCNG1	CD16	CHEK2	COP5	CXCL13	DEPDC1	DNAJC9
ADRA2A	APEX2	BAD	BRC4	CARD11	CCNG2	CD20	CHGA	COX5A	CXCL14	DES	DNMT1

Gene List

HTG EdgeSeq

Oncology Biomarker Panel

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Continued

DNMT3A	ELMO1	FABP4	FGFR4	GAA	GPBR1	HGF	HSPB3	IL16	IRGM	KL	LIFR
DNMT3B	EML4	FABP7	FGFRL1	GAB1	GPI	HHAT	HSPB6	IL17A	IRS1	KLB	LIG1
DPPA2	EMP1	FADD	FGL2	GABBR2	GNPMB	HHEX	HSPB7	IL17F	IRS2	KLF12	LIG3
DPPA3	EMP3	FAF1	FHIT	GADD45A	GPR126	HHIP	HSPB8	IL17RB	ISG15	KLF17	LIG4
DPPA4	EN2	FAM105A	FIGF	GADD45B	GPR160	HIC1	HSPBAP1	IL17RD	ISL1	KLF4	LIN28A
DPPA5	ENDOD1	FAM117B	FKBP1A	GADD45G	GPR17	HIF1A	HSPD1	IL18	ITGA2	KLHDC10	LIN28B
DPYSL4	ENDOG	FAM133A	FKBP5	GAL	GPR180	HIF1AN	HSPE1	IL19	ITGA3	KLK1	LIN9
DSC2	ENG	FAM162A	FKBP8	GALNT3	GPSM2	HIF3A	HSPH1	IL1A	ITGA4	KLK2	LINC00886
DSG3	ENO1	FAM213A	FLII	GALNT5	GRB10	HIST1H3H	HTT	IL1B	ITGA5	KLK3	LIPA
DSP	ENTPD1	FAM64A	FLJ10474	GAMT	GRB2	HJURP	HUS1	IL1R1	ITGA6	KLK4	LIPF
DST	EOMES	FAM83B	FLNA	GAPDH	GREM1	HK2	IBSP	IL1R2	ITGA7	KLK5	LMO2
DTX1	EP300	FANCA	FLNC	GAS1	GRIA3	HLA-A	ICAM1	IL1RAP	ITGA8	KLRB1	LOX
DTX3	EPCAM	FANCB	FLOT2	GAS6	GRIN1	HLA-B	ICOS	IL1RN	ITGA9	KLRD1	LOXL1
DTX4	EPGN	FANCC	FLRT1	GATA1	GRIN2A	HLA-E	ID1	IL2	ITGAM	KLRG1	LPCAT1
DUSP1	EPHA2	FANCE	FLRT2	GATA2	GRIN2B	HMGAI	ID2	IL20	ITGAV	KMT2B	LPL
DUSP10	EPHB4	FANCF	FLRT3	GATA3	GRN	HMGAI2	ID3	IL20RA	ITGB1	KMT2C	LRG1
DUSP2	EPO	FANCG	FLT1	GATA4	GRP	HMGB1	ID4	IL20RB	ITGB2	KMT2D	LRIG1
DUSP4	EPOR	FANCL	FLT3	GATA5	GSC	HMGB2	IDH1	IL21	ITGB3	KNG1	LRMP
DUSP5	EPS8	FAS	FLT3LG	GATA6	GSK3A	HMGB3	IDH2	IL22	ITGB4	KNTC1	LRP12
DUSP6	ERBB2	FASLG	FLT4	GBE1	GSK3B	HMGCR	IDO1	IL22RA1	ITGB6	KPNA2	LRP1B
DUSP8	ERBB3	FASN	FMO3	GBP1	GSN	HMGCS2	IDO2	IL22RA2	ITGB7	KRAS	LRP2
DVL1	ERBB4	FAT4	FMO5	GBP2	GSR	HMGXB3	IER3	IL23A	ITGB8	KREMEN1	LRP5
DVL2	ERCC1	FBN1	FN1	GBP7	GSTA2	HMOX1	IFI27	IL23R	ITLN2	KRT13	LRP6
E2F1	ERCC2	FBP1	FOS	GCLC	GSTM1	HNF1A	IFIT2	IL24	ITM2A	KRT14	LRRFIP2
E2F3	ERCC3	FBXO5	FOSL1	GCLM	GSTM3	HNF1B	IFNA-family	IL27	ITPKB	KRT16	LRRK2
E2F5	ERCC4	FBXW11	FOXA1	GDAP1	GSTP1	HNF4A	IFNA2	IL2RA	JAG1	KRT17	LTA
EAF2	ERCC5	FBXW7	FOXA2	GDF3	GTF2H3	HNRNPA1	IFNA5	IL2RB	JAG2	KRT18	LTA4H
EBAG9	ERCC6	FCER2	FOXC1	GDF6	GTSE1	HNRNPA2B1	IFNAR1	IL2RG	JAK1	KRT19	LTB
EBF4	ERCC8	FCGR1A	FOXC2	GEMIN2	GUCY1A3	HNRNPU	IFNB1	IL3	JAK2	KRT5	LTBP1
ECI2	EREG	FCGR1B	FOXO3	GFAP	GUK1	HOXA10	IFNG	IL33	JAK3	KRT6A	LTBR
ECT2	ERG	FEM1B	FOXO1	GFRA1	GYS1	HOXA11	IFNGR1	IL3RA	JMJD1C	KRT7	LTF
EDA2R	ERO1L	FEN1	FOXI1	GGH	GYS2	HOXA9	IFNL3	IL4	JMJD6	KRT8	LTN1
EDIL3	ERRF1	FES	FOXL2	GHR	GZMA	HOXB13	IFNW1	IL4R	JPH3	KSRT1	LY96
EDN1	ESM1	FGF1	FOXO1	GJA1	GZMB	HOXD1	IFRD1	IL5	JUN	L1CAM	LYN
EEF1G	ESR1	FGF10	FOXO3	GLI1	GZMH	HPGD	IFT52	IL5RA	JUNB	LAG3	LYVE1
EEF2K	ESR2	FGF11	FOXO4	GLI2	H2AFX	HPN	IGF1	IL6	JUND	LAMA1	LYZ
EFNA1	ESRRB	FGF12	FOXP1	GLI3	H3F3A	HPSE	IGF1R	IL6R	KAT2B	LAMA3	MACC1
EFNA2	ETFA	FGF13	FOXP3	GLIS3	H3F3C	HRAS	IGF2	IL6ST	KAT5	LAMA5	MAD2L1
EFNA3	ETS1	FGF14	FOXRED1	GLUD1	HAND1	HRK	IGF2R	IL7	KATNB1	LAMB3	MADCAM1
EFNA5	ETS2	FGF16	FPR1	GLUL	HAVCR2	HSD17B12	IGFBP1	IL7R	KCND2	LAMB4	MADD
EFNB1	ETV1	FGF17	FRMD6	GM2A	HBEGF	HSD17B4	IGFBP2	IL9	KCNIP1	LAMC2	MAF
EFNB2	ETV2	FGF18	FRS2	GML	HDAC1	HSF1	IGFBP3	ILK	KCNK5	LAMC3	MAFF
EGF	ETV4	FGF19	FRS3	GMPS	HDAC10	HSF2	IGFBP4	INHBA	KCTD11	LAMP5	MAG
EGFR	ETV5	FGF2	FRZB	GNAI1	HDAC11	HSF4	IGFBP5	INHBB	KDM1A	LAMTOR3	MAGEA1
EGLN1	ETV7	FGF20	FST	GNAI3	HDAC2	HSP90AA1	IGFBP6	INPP5J	KDM3A	LAT	MAGEA10/
EGLN2	EVL	FGF21	FTH1	GNAQ	HDAC3	HSP90B1	IGFBP7	INS	KDM3B	LATS1	MAGEA5
EGR1	EXO1	FGF22	FUBP1	GNAS	HDAC4	HSPA12A	IHH	INSR	KDM4B	LATS2	MAGEA11
EGR3	EXOC3	FGF23	FUS	GNAZ	HDAC5	HSPA14	IKBKB	INTS7	KDM5B	LCN1	MAGEA2
EI24	EXOSC8	FGF3	FUT8	GNG11	HDAC6	HSPA1A	IKBKG	IRAK1	KDM5C	LCN2	MAGEA4
EIF2AK2	EXT1	FGF4	FYN	GNG12	HDAC7	HSPA1B	IL10	IRAK2	KDM6A	LECT1	MAGEB1
EIF4A1	EYA1	FGF5	FZD1	GNG4	HDAC8	HSPAL	IL10RA	IRAK3	KDM7A	LEF1	MAGEB2
EIF4B	EZH2	FGF6	FZD10	GNG7	HECTD4	HSPA2	IL10RB	IRF1	KDR	LEFTY1	MAGEB3
EIF4E	EZR	FGF7	FZD2	GNGT1	HELLS	HSPA4	IL11	IRF2	KEAP1	LEFTY2	MAGEC1
EIF4EBP1	F10	FGF8	FZD3	GNGT2	HERC3	HSPA4L	IL11RA	IRF3	KIF14	LEP	MAGEC2
EIF4G1	F11R	FGF9	FZD4	GNL3	HERPUD1	HSPA5	IL12A	IRF4	KIF2C	LEPR	MAGED1
EIF5B	F2	FGFBP1	FZD5	GNL4	HES1	HSPA6	IL12B	IRF5	KIF3A	LETMD1	MAGED2
EIF6	F2R	FGFR1	FZD6	GPAM	HES5	HSPA8	IL12RB2	IRF6	KIF3B	LFNG	MAGEE1
ELAVL1	F3	FGFR10P	FZD7	GPAT2	HEY1	HSPA9	IL13	IRF7	KIF5B	LGALS1	MAGEF1
ELK1	F8	FGFR2	FZD8	GPC4	HEY2	HSPB1	IL13RA2	IRF8	KIT	LGALS3	MAGEL2
ELL2	FABP1	FGFR3	FZD9	GPD2	HEYL	HSPB2	IL15	IRF9	KITLG	LIF	MALT1

Continued

MAML1	MED12	MTA1	NFKBIA	NTRK2	PDGFRA	PLA2G4C	PPP3CB	PTGS2	RASSF7	RSP02	SHMT1
MAML2	MED23	MTCP1	NFKBIE	NUDT13	PDGFRB	PLA2G4E	PPP3CC	PTHLH	RB1	RTN1	SIAH1
MAOA	MED24	MTDH	NFKBIZ	NUF2	PDIA4	PLA2G4F	PPP3R1	PTK2	RB1CC1	RTN4RL1	SIL1
MAOB	MEF2C	MTFP1	NGF	NUMB	PDK1	PLA2G5	PPP3R2	PTN	RBBP8	RUNDC1	SIN3A
MAP1B	MEIS1	MTHFD1	NGFR	NUMBL	PDK2	PLAT	PRAME	PTP4A1	RBL1	RUNX1	SIN3B
MAP1LC3A	MELK	MTMR2	NGFRAP1	NUP62	PDLIM7	PLAU	PRC1	PTPN1	RBL2	RUNX1T1	SIRT1
MAP2K1	MEN1	MTOR	NKD1	NUPR1	PDPK1	PLAUR	PRDM1	PTPN11	RBM10	RUNX2	SIRT2
MAP2K2	MERTK	MTSS1	NKX2-1	NUSAP1	PDPN	PLCB1	PRDM14	PTPN5	RBP1	RUNX3	SIRT3
MAP2K3	MESFP1	MUC1	NKX2-5	OAS1	PDZK1	PLCB4	PRDM2	PTPRC	RBPJ	RUVBL1	SIRT4
MAP2K4	MET	MUTYH	NKX3-1	OASL	PECAM1	PLCE1	PRDX6	PTPRR	RBPMS2	RXRG	SIX1
MAP2K5	MFNG	MVP	NLK	OAZ1	PELP1	PLCG1	PRF1	PTTG1	RBX1	S100A2	SKP2
MAP2K6	MGA	MX1	NLRP3	OCLN	PER1	PLCG2	PRICKLE1	PTTG2	RECCQL5	S100A4	SLA
MAP2K7	MGAT4A	MXI1	NME1	ODC1	PEX12	PLD1	PRKAA1	PUS1	REL	S100A6	SLAMF7
MAP3K1	MGEA5	MYB	NME7	OGG1	PF4	PLEK2	PRKAA2	PVR	RELA	S100A7A	SLC10A1
MAP3K12	MGMT	MYBL1	NMU	OLIG2	PF4V1	PLG	PRKAB1	PYCARD	RELB	S100A8	SLC10A2
MAP3K13	MGST1	MYBL2	NNMT	OLR1	PFDN1	PLK1	PRKAB2	PYCR1	RELN	S100B	SLC11A1
MAP3K14	MIA	MYC	NOD1	OMD	PFDN2	PLK2	PRKACA	PYGL	REST	S1PR1	SLC15A1
MAP3K2	MIF	MYCL	NOD2	OPCML	PFKFB1	PLK3	PRKACB	QDPR	RET	SACS	SLC15A2
MAP3K3	MIXL1	MYCN	NODAL	OR10J3	PFKFB2	PLK4	PRKACG	QSOX2	RFC1	SAFB	SLC16A1
MAP3K4	MKI67	MYD88	NOG	ORC6	PFKFB3	PMAIP1	PRKAG1	RAB23	RFC3	SALL4	SLC16A2
MAP3K5	MKNK1	MYLIP	NOL3	ORM1	PFKFB4	PMEPA1	PRKAG2	RAB25	RFC4	SAP30	SLC16A3
MAP3K8	MLF1	MYOD1	NOLC1	ORM2	PFKL	PML	PRKAG3	RAB27B	RGS2	SAV1	SLC19A1
MAP4K1	MLH1	NAB2	NOS2	OSM	PGC	PMS1	PRKAR1A	RAB4A	RHEB	SCAPER	SLC19A2
MAP7D1	MLH3	NAIP	NOS3	OTX2	PGF	PMS2	PRKAR1B	RAB6B	RHOA	SCN1A	SLC19A3
MAPK1	MLLT3	NAMPT	NOTCH1	P4HA1	PGR	PMS2P3	PRKAR2A	RAC1	RHOB	SCN3A	SLC22A1
MAPK10	MLLT4	NANOG	NOTCH2	P4HB	PHB	PNKP	PRKAR2B	RAC2	RHOU	SCUBE1	SLC22A2
MAPK11	MLPH	NAP1L1	NOTCH4	PA2G4	PHB2	PNPLA2	PRKCA	RAC3	RIF1	SCUBE2	SLC22A3
MAPK12	MLYCD	NASP	NOV	PABPC1	PHF6	POLB	PRKCB	RACGAP1	RIN1	SEC14L2	SLC22A6
MAPK13	MME	NAT1	NOX1	PAF1	PHGDH	POLD1	PRKCD	RAD1	RIPK1	SEC22C	SLC22A7
MAPK14	MMP11	NAT2	NOX4	PAG1	PIAS1	POLD2	PRKCE	RAD17	RIPK2	SEC61G	SLC22A8
MAPK3	MMP14	NAT8L	NPC1	PAICS	PIAS2	POLD3	PRKCG	RAD18	RIPK3	SELE	SLC22A9
MAPK6	MMP2	NAV2	NPM1	PAK1	PIAS3	POLD4	PRKCZ	RAD21	RIT1	SELM	SLC25A13
MAPK7	MMP3	NBN	NPM2	PAK1IP1	PIAS4	POLE2	PRKDC	RAD23A	RND2	SENP1	SLC25A3
MAPK8	MMP7	NCAM1	NPPB	PAK3	PIDD1	POLL	PRKG1	RAD23B	RNF149	SERPINA3	SLC25A4
MAPK8IP2	MMP9	NCAPD3	NPR1	PAK7	PIK3C2A	POLR2D	PRKX	RAD50	RNF4	SERPINA9	SLC26A2
MAPK9	MMS19	NCK2	NQO1	PALB2	PIK3C3	POLR2H	PRL	RAD51	RNF43	SERPINB2	SLC27A4
MAPKAPK2	MNAT1	NCL	NR0B1	PALM2(AKAP2)	PIK3CA	POLR2J	PRLR	RAD51B	RNH1	SERPINB5	SLC28A1
MAPKAPK3	MOB1B	NCOA1	NR0B2	PARK7	PIK3CB	PORCN	PRMT1	RAD51C	RORC	SERPINC1	SLC28A2
MAPKAPK5	MOS	NCOA2	NR1H3	PARP1	PIK3CD	POU5F1	PRMT6	RAD51D	ROS1	SERPINE1	SLC28A3
MAPKAPK5-AS1	MPG	NCOA3	NR1H4	PARP2	PIK3CG	PPAP2A	PRMT8	RAD52	RPA1	SERPINF1	SLC29A1
MAPRE2	MPL	NCOA4	NR1I2	PARP3	PIK3R1	PPAP2B	PROK1	RAD54L	RPA3	SERPINH1	SLC29A2
MAPT	MPO	NCOR1	NR3C1	PARP4	PIK3R2	PPARD	PROK2	RAD9A	RPL13	SERTAD1	SLC2A1
MAT2A	MRE11A	NCOR2	NR4A1	PAX3	PIK3R3	PPARG	PROM1	RAF1	RPL35	SETBP1	SLC2A13
MAX	MRPL13	NDC80	NR4A3	PAX5	PIK3R5	PPARGC1A	PRR15L	RAG1	RPL38	SETD2	SLC2A14
MAZ	MS4A1	NDRG1	NR5A2	PAX6	PIM1	PPARGC1B	PSG2	RALA	RPL5	SF3A1	SLC2A2
MBL2	MSH2	NEIL1	NR6A1	PAX8	PIM2	PPAT	PSIP1	RAMP1	RPL6	SF3B1	SLC2A3
MCCC1	MSH3	NEIL2	NRAS	PBRM1	PIM3	PPBP	PSMD2	RAMP2	PPRM	SF3B5	SLC2A4
MCL1	MSH4	NEIL3	NRG1	PBX1	PIN1	PPIA	PSMD7	RAMP3	RPS4X	SFN	SLC31A1
MCM2	MSH5	NEK2	NRG2	PBX3	PINX1	PPIB	PSMG1	RAP1A	RPS6KA1	SFRP1	SLC38A2
MCM3	MSH6	NES	NRG3	PCK1	PIR	PPID	PSRC1	RARA	RPS6KA5	SFRP2	SLC38A5
MCM4	MSI1	NF1	NRG4	PCNA	PITRM1	PPM1D	PTCH1	RARB	RPS6KA6	SFRP4	SLC39A6
MCM5	MSL2	NF2	NRIP1	PCNX	PITX2	PPP1R15A	PTCH2	RASA1	RPS6KB1	SGK1	SLC3A1
MCM6	MSN	NFAT5	NRP1	PCOLCE	PKM	PPP2CA	PTCHD1	RASA4	RPS6KB2	SGK2	SLC3A2
MCM7	MSR1	NFATC1	NRP2	PCSK6	PKMYT1	PPP2CB	PTCHD2	RASAL1	RPS7	SH2B1	SLC45A3
MDC1	MST1	NFATC3	NSD1	PDCD1	PKP1	PPP2R1A	PTCHD3	RASD1	RPTOR	SH3PXD2A	SLC5A1
MDK	MST1R	NFATC4	NT5E	PDCD1LG2	PLA1A	PPP2R1B	PTCRA	RASGRF1	RRAS2	SHC1	SLC5A3
MDM2	MSTN	NFE2L2	NTF3	PDGFA	PLA2G10	PPP2R2B	PTDSS1	RASGRF2	RRM1	SHC2	SLC5A4
MDM4	MT1A	NFE2L3	NTHL1	PDGFB	PLA2G2A	PPP2R2C	PTEN	RASGRP1	RRM2	SHC3	SLC7A11
MECOM	MT1X	NFKB1	NTN3	PDGFC	PLA2G3	PPP2R4	PTGR1	RASGRP2	RRM2B	SHC4	SLC7A5
MED1	MT2A	NFKB2	NTRK1	PDGFD	PLA2G4A	PPP3CA	PTGS1	RASSF1	RSP01	SHH	SLC7A6

Gene List
HTG EdgeSeq
Oncology Biomarker Panel



For Research Use Only. Not for use in diagnostic procedures.

Continued

SLC7A7	SPC25	SYP	TIMP3	TNXB	UBE2C	WNT7A
SLC7A8	SPDEF	T	TINF2	TOLLIP	UBE2I	WNT7B
SLC7A9	SPEF1	TADA3	TIPARP	TOMM40	UBE2T	WNT8A
SLC01A2	SPHK1	TAGLN	TIRAP	TOP1	UBE2Z	WNT8B
SLC01B1	SPI1	TAL1	TK1	TOP2A	UBE3A	WNT9A
SLC01B3	SPINK1	TAP1	TLR1	TOP2B	UBXN2A	WNT9B
SLC02A1	SPINK5	TAP2	TLR2	TOP3A	UGT1A1	WT1
SLC02B1	SPOP	TAT	TLR3	TOP3B	UGT1A4	WWC1
SLC03A1	SPP1	TAZ	TLR4	TOR1A	UGT1A6	WWOX
SLC04A1	SPRY1	TBK1	TLR5	TP53	UGT2B7	XAB2
SLIT2	SPRY2	TBL1X	TLR6	TP53AIP1	ULK1	XBP1
SLK	SPRY4	TBL1XR1	TLR7	TP53BP2	UNG	XCL1
SMAD1	SQSTM1	TBL1Y	TLR8	TP53I3	UQCRCF1	XCL2
SMAD2	SRA1	TBP	TLR9	TP63	USF1	XCR1
SMAD3	SRC	TBX21	TLX1	TP73	USF2	XIAP
SMAD4	SREBF1	TBX3	TMEFF1	TPD52	USMG5	XPA
SMAD5	SRF	TCF3	TMEM116	TPI1	UTF1	XPC
SMAD7	SRM	TCF4	TMEM123	TPO	UTY	XRCC1
SMAD9	SRSF1	TCF7	TMEM132A	TPX2	VAMP8	XRCC2
SMARCA4	SRSF2	TCF7L1	TMEM45A	TRADD	VANGL2	XRCC3
SMARCB1	SSX1	TCL1A	TMEM45B	TRAF2	VAPA	XRCC4
SMC1A	STAB1	TCL1B	TMEM57	TRAF3	VASH1	XRCC5
SMC1B	STAG2	TCP1	TMEM74B	TRAF6	VCAM1	XRCC6
SMC3	STAM	TDG	TMPRSS2	TRAF7	VCAN	XRCC6BP1
SMC4	STAT1	TDGF1	TMSB10	TREX1	VDAC1	YAP1
SMO	STAT2	TEK	TNC	TRIB1	VDAC2	YBX3
SMPDL3B	STAT3	TEP1	TNF	TRIM28	VDR	YWHAH
SMS	STAT4	TERF1	TNFAIP2	TRIM72	VEGFA	YWHAZ
SMUG1	STAT5A	TERF2IP	TNFAIP3	TRIP13	VEGFB	YY1
SNAI1	STAT5B	TERT	TNFRSF10A	TRIP4	VEGFC	ZAK
SNAI2	STAT6	TESC	TNFRSF10B	TRRAP	VGLL4	ZBTB10
SNAI3	STC1	TET2	TNFRSF10C	TSC1	VHL	ZBTB16
SNCA	STC2	TFDP1	TNFRSF10D	TSC2	VIPR1	ZBTB32
SNRPB	STEAP1	TFDP2	TNFRSF11B	TSC22D1	VPS13A	ZEB1
SOCS1	STEAP4	TFF1	TNFRSF12A	TSC22D3	VSNL1	ZEB2
SOCS2	STK11	TFF3	TNFRSF14	TSHR	VTCN1	ZFP36L1
SOCS3	STK3	TFPI2	TNFRSF17	TSLP	WASL	ZFP42
SOCS4	STK32A	TGFA	TNFRSF1B	TSPAN13	WEE1	ZFX
SOCS5	STK36	TGFB1	TNFRSF21	TSPAN14	WHSC1	ZHX2
SOD1	STK39	TGFB2	TNFRSF25	TSPAN7	WHSC1L1	ZIC1
SOD2	STMN1	TGFB3	TNFRSF4	TSPYL5	WIF1	ZIC2
SORBS1	STRADA	TGFB1	TNFRSF8	TTC9	WIP1	ZNF189
SORD	STRADB	TGFBR1	TNFRSF9	TTF1	WISP1	ZNF385B
SORT1	STUB1	TGFBR2	TNFSF10	TTK	WISP2	ZNF420
SOS1	STX11	THAP11	TNFSF11	TUBB3	WNT1	ZNF502
SOS2	STX1A	THBS1	TNFSF13B	TWIST1	WNT10A	ZNF552
SOST	SUFU	THBS2	TNFSF14	TWIST2	WNT10B	ZNF589
SOX10	SULT1A1	THBS4	TNFSF15	TXN	WNT11	ZNF805
SOX15	SULT1B1	THEM4	TNFSF8	TXNIP	WNT16	
SOX17	SULT2A1	THPO	TNFSF9	TXNL1	WNT2	
SOX2	SUMO1	THY1	TNKS	TXNL4B	WNT2B	
SOX3	SUSD3	TIAM1	TNKS2	TXNRD1	WNT3	
SOX7	SUV39H2	TICAM1	TNN	TYK2	WNT3A	
SOX9	SWAP70	TIE1	TNNC2	TYMP	WNT4	
SP1	SYCP2	TIFA	TNNI2	TYMS	WNT5A	
SPARC	SYK	TIMP1	TNNI3	U2AF1	WNT5B	
SPATA2	SYNCRIP	TIMP2	TNR	UBB	WNT6	