

ONCOLOGY

ClariFind employs next-generation sequencing (NGS) for comprehensive genomic profiling of a patient's tumor sample to identify potential clinically actionable targets and associated therapies.

**BAYLOR**  
GENETICS

**CLARIFIND™**  
Comprehensive Somatic  
Tumor Testing

Provide your cancer patients  
personalized treatment options  
with ClariFind

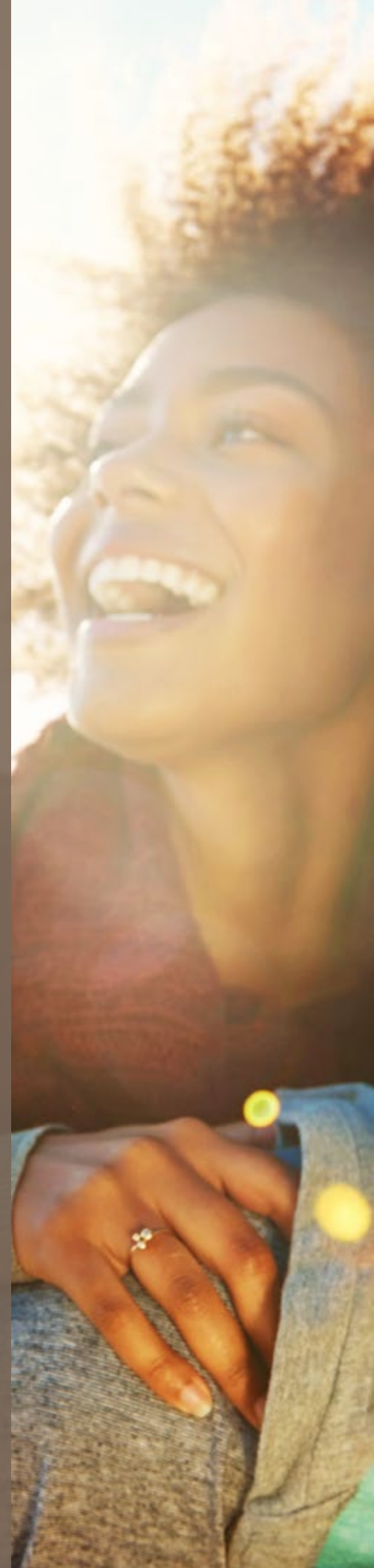
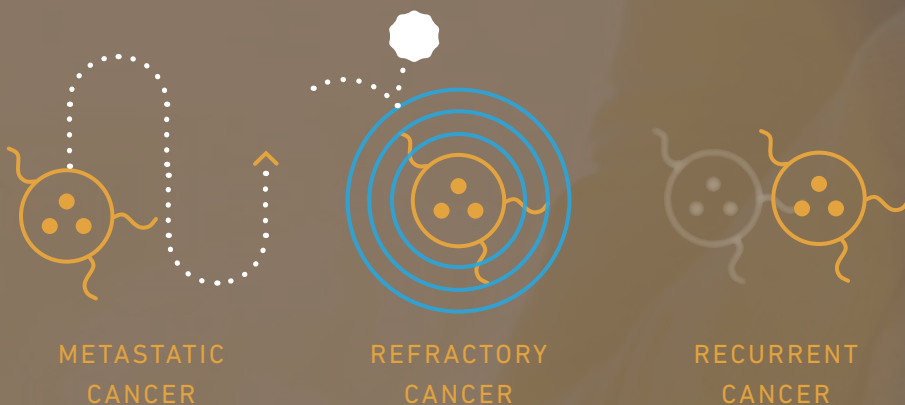
Add clarity to molecular testing with personalized treatment options for cancer patients. Find your answers with ClariFind.



Baylor Genetics believes that the correlation of clinical features with specific drug therapies and clinical trial options, customized to each patient, is crucial in our support of the oncology community. For this reason, our experts developed ClariFind to add clarity to molecular testing with personalized treatment options for cancer patients. ClariFind employs next-generation sequencing (NGS) for comprehensive genomic profiling of a patient's tumor sample to identify potential clinically actionable targets and associated therapies.

**Critical genes for both solid tumor and hematologic malignancies are covered in this single assay.**

ClariFind is available for all cancer patients but is strongly recommended for people with metastatic, refractory or recurrent cancers. Concurrent cytogenetics, FISH and chromosomal microarray analysis (CMA) testing can be ordered when appropriate to provide a truly comprehensive tumor profile. Several sample types are accepted for solid tumor and hematologic malignancy testing. Baylor Genetics has the ability to work with small and limited specimens while still providing in-depth results.







**277** KEY  
CANCER  
GENES

## TEST CODE

● ○ ○ ● ○  
**20010**

## TEST DESIGN

ClariFind covers all DNA coding regions (+/- 5-10bp flanking intronic sequences) of **277 key cancer genes** for both solid tumors and hematologic malignancies. Through the use of a unique molecular barcoding approach, our assay mitigates PCR duplicates and bias and allows for confident low-level variant detection. Additionally, our chemistry is designed for improved coverage of GC-rich regions in genes such as CEBPA and CCND1.

## ALTERATIONS IDENTIFIED

Single nucleotide changes, indels and copy number alterations (reported for 39 genes) are detected.

## ANALYSIS AND REPORT

Analysis is performed by a team of in-house board-certified molecular pathologists, curation scientists, and bioinformatics experts. Each ClariFind report provides annotated genomic findings associated targeted therapies and potential clinical trials when available.

For more information on ClariFind, please visit [baylorgenetics.com/ClariFind](http://baylorgenetics.com/ClariFind).

## TURNAROUND TIME

**14**  
CALENDAR  
DAYS



At Baylor Genetics, we leverage the expertise of leading physicians and scientists in the field of cancer genetics to deliver personalized care.



We are driving cancer genetics by offering innovative tests that deliver clinically actionable results through a combination of advanced technology, deep patient data sets and genetic talent that leads to a more accurate interpretation for your patients. Cancer is not “one size fits all”, which is why we can tailor clinical situations and specimen limitations by also offering a multitude of other clinically-validated molecular approaches.

For more detailed copy number analysis, cytogenetics and translocation detection by FISH, please see additional testing options on the next page.

## Additional Cancer Testing Options

### CYTOGENETICS / FISH

TEST CODE	TEST NAME
CLASSICAL CHROMOSOME ANALYSIS .....	
8050	Solid Tumor Chromosome Analysis
8300	Hematologic Cancer Chromosome Analysis
FISH PANELS .....	
8010	Acute Lymphoblastic Leukemia Panel
8000	Acute Myeloid Leukemia Panel
8040	Chronic Lymphocytic Leukemia Panel
8005	Myelodysplastic Syndromes Panel
8015	Multiple Myeloma Panel
8020	Non-Hodgkin Lymphoma Panel
SINGLE FISH PROBES .....	
8055	1p/19q Co-deletion
8030	ALK Rearrangement
8725	AML1/ETO(RUNX1/RUNX1T1): t(8;21) [AML]
8775	BCL6 Rearrangement
8750	BCR/ABL: t(9;22) [CML/ALL/AML]
8740	CBFB: inv(16) [AML]
8730	CHIC2: Deleted 4q [Hypereosinophilic Syndrome]
8720	Deletion 20q12 [MDS]
8710	Deletion 5 [MDS]
8715	Deletion 7 [MDS]
8065	DXZ1/DYZ3 FOR SEX MISMATCHED BMT
8035	EGFR
8025	ERBB2 (HER2/neu)
8385	Gain Chromosome 8
8780	IGH Rearrangement
8765	IGH/BCL2: t(14;18) [Follicular Lymphoma]
8770	IGH/CCND1: t(11;14) [Mantle Cell Lymphoma]
8095	MET Amplification
8745	MLL: 11q23
8760	MYC Translocation
8735	PML/RARA: t(15;17) [AML]
8031	RET Rearrangement
8781	ROS1 Rearrangement
8075	SS18 [Synovial Sarcoma]
8080	TCF3/PBX1 [ALL]
8755	TEL/AML1: t(12;21) [ALL]

For a complete list of targeted molecular tests, please contact a Baylor Genetics representative at 1.800.411.4363 or visit our website at [baylorgenetics.com](http://baylorgenetics.com) for further details.

### HEREDITARY CANCER PANELS

TEST CODE	TEST NAME
22350	BRCA1/BRCA2 Panel
20004	Comprehensive Hereditary Cancer Panel - 61 genes
22304	Hereditary Brain/CNS/PNS Cancer Panel -17 genes
22404	Hereditary Breast/Ovarian/Endometrial Cancer Panel - 23 genes
24000	Hereditary Cancer Panel - 27 genes
22804	Hereditary Colorectal/Gastrointestinal Cancer Panel - 22 genes
22604	Hereditary Endocrine Cancer Panel - 15 genes
22704	Hereditary Leukemia/Lymphoma Panel - 12 genes
22904	Hereditary Melanoma Panel - 4 genes
23304	Hereditary Pancreatic Cancer Panel - 16 genes
23104	Hereditary Paraganglioma/Pheochromocytoma Panel - 9 genes
23404	Hereditary Prostate Cancer Panel - 5 genes
22504	Hereditary Renal Cancer Panel - 12 genes
23000	High Risk Hereditary Breast Cancer Panel - 7 genes
23204	High Risk Hereditary Colorectal Cancer Panel - 12 genes






#### 9505

**Cancer Chromosomal Microarray Analysis (180K CGH/ SNP Array)** is a combined targeted and whole genome array designed by the Cancer Cytogenomics Microarray Consortium. This array contains both oligo probes that detect copy number variations (CNVs) and SNP probes that detect loss of heterozygosity (LOH) and segmental or whole chromosome uniparental isodisomy. This test can be used to detect CNVs and LOH in a variety of **solid tumors** (fresh tissue or FFPE slides / blocks).

#### 9515

**Cancer Chromosomal Microarray Analysis (CytoScan HD SNP Array)** is a combined targeted and whole genome array designed and produced by Affymetrix. It contains ~1,700,000 oligo probes and 750,000 SNP probes that detect copy number variations (CNVs), loss of heterozygosity (LOH), and segmental or whole chromosome uniparental isodisomy. This test can be used to detect CNVs and LOH in a variety of **hematologic malignancies** (blood or bone marrow).

# Specimen Requirements

TYPE	REQUIREMENTS	SHIPPING CONDITIONS
 <p><b>FFPE BLOCK OR FFPE SLIDES</b></p>	<ul style="list-style-type: none"> <li>For <b>FFPE block</b> please provide paraffin-embedded, formalin-fixed tissue block containing <math>\geq 20\%</math> tumor nuclei with a minimum tumor surface area of 5 mm x 5 mm (25 mm<sup>2</sup>).</li> <li>For <b>FFPE slides</b> please provide 10-15 unstained 5 <math>\mu</math>m FFPE slides containing <math>\geq 20\%</math> tumor nuclei with a minimum tumor surface area of 5 mm x 5 mm (25 mm<sup>2</sup>). For smaller specimens, 20 or more unstained 5 <math>\mu</math>m FFPE slides containing <math>\geq 20\%</math> tumor nuclei should be submitted.</li> <li>A surgical pathology report <b>MUST</b> be attached for all tissue samples.</li> <li>Decalcified specimens are not accepted.</li> </ul>	<p>Ship at room temperature in an insulated container by overnight courier. If shipping during the summer months, please include a cold-pack to avoid extreme temperatures. Do not heat or freeze.</p>
 <p><b>FRESH FROZEN TISSUE</b></p>	<ul style="list-style-type: none"> <li>150 mg fresh tissue snap frozen at <math>\leq -20^{\circ}\text{C}</math>. Store at <math>\leq -20^{\circ}\text{C}</math>.</li> <li>Please send a corresponding representative H&amp;E slide if available.</li> <li>A surgical pathology report <b>MUST</b> be attached for all tissue samples. Surgical pathology report may be sent later as soon as it becomes available.</li> </ul>	<p>Ship on minimum of 10 lbs. of dry ice in an insulated container by overnight courier.</p>
 <p><b>FRESH TISSUE IN MEDIUM</b></p>	<ul style="list-style-type: none"> <li>0.5-1 cm<sup>3</sup> or more fresh tissue in a sterile, screw-top container filled with tissue culture transport medium. If tissue culture transport medium is not available, collect in plain RPMI, Hanks solution, or saline.</li> <li>Please send a corresponding representative H&amp;E slide if available.</li> <li>A surgical pathology report <b>MUST</b> be attached for all tissue samples. Surgical pathology report may be sent later as soon as it becomes available.</li> </ul>	<p>Ship at refrigerated or room temperature in an insulated container by overnight courier. Do not heat or freeze.</p> <p>Specimen should arrive in laboratory within 48 hours of collection.</p>
 <p><b>BLOOD OR BONE MARROW</b></p>	<ul style="list-style-type: none"> <li>3-5 cc (2 yrs-adult), 2-3 cc (newborn-2 yrs) in EDTA (purple-top) tube (molecular testing) or sodium heparin (green-top) tube (cytogenetics and FISH).</li> <li>Attach clinical notes and concurrent laboratory reports (such as CBC, flow cytometry results, and pathology reports).</li> <li>Concurrent laboratory reports may be sent later as soon as they become available.</li> </ul>	<p>Ship at room or refrigerated temperature in an insulated container by overnight courier. Do not heat or freeze.</p> <p>Specimen should arrive in laboratory within 24-48 hours of collection.</p>
 <p><b>DNA (EXTRACTED)</b></p>	<ul style="list-style-type: none"> <li>At least 100 ng with minimum concentration of 25 ng/<math>\mu</math>L</li> <li>Attach clinical notes, concurrent laboratory reports and/or surgical pathology reports, as applicable.</li> <li>Please send a corresponding representative H&amp;E slide if available.</li> <li>Extracted DNA/RNA will only be accepted if the isolation of nucleic acids for clinical testing occurs in a CLIA-certified laboratory or a laboratory meeting equivalent requirements as determined by the CAP and/or the CMS.</li> </ul>	<p>Ship at room temperature in an insulated container by overnight courier. May also be shipped frozen on minimum of 10 lbs of dry ice in an insulated container by overnight courier.</p>

Prior to ordering the test, please go to [baylorgenetics.com](http://baylorgenetics.com) or call the lab at 1.800.411.4363 to discuss the sample requirements.

1.800.411.4363  
BAYLORGENETICS.COM

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GENETICS

ClariFind Gene List





ABL1 <sup>1,2</sup>	CEBPA <sup>2</sup>	FLT3 <sup>1,2</sup>	MEN1 <sup>2</sup>	RAD50 <sup>2</sup>
ACVR1B <sup>2</sup>	CHEK1 <sup>2</sup>	FLT4 (VEGFR2) <sup>2</sup>	MET <sup>2</sup>	RAD51 <sup>2</sup>
ALK <sup>1,2</sup>	CHEK2 (RAD53) <sup>2</sup>	FOXL2	MITF	RAF1 <sup>2</sup>
AMER1	CIC	FUBP1	MLH1 <sup>1,2</sup>	RB1 <sup>2</sup>
AKT1 <sup>2</sup>	CREBBP (CBP)	GALNT12	MPL	RET <sup>2</sup>
AKT2 <sup>2</sup>	CRLF2 (TSLPR) <sup>2</sup>	GATA1	MRE11A	RHEB
AKT3 <sup>2</sup>	CSF1R <sup>2</sup>	GATA2	MSH2 <sup>1,2</sup>	RHOA
APC <sup>2</sup>	CSF3R (GM-CSFR)	GATA3 <sup>2</sup>	MSH6 <sup>1,2</sup>	RIT1
AR <sup>2</sup>	CTCF	GEN1	MTOR <sup>2</sup>	RNF43 <sup>2</sup>
ARID1A <sup>2</sup>	CTNNA1 <sup>2</sup>	GNA11 <sup>2</sup>	MUTYH <sup>2</sup>	ROS1 <sup>1,2</sup>
ARID1B	CTNNB1 (beta-catenin) <sup>2</sup>	GNAQ <sup>2</sup>	MYC <sup>2</sup>	RUNX1 (AML1) <sup>2</sup>
ARID2	CUX1	GNAS	MYCL <sup>1</sup>	SDHB <sup>2</sup>
ASXL1 <sup>2</sup>	CXCR4 <sup>2</sup>	GREM1	MYCN <sup>2</sup>	SETBP1
ATM <sup>2</sup>	CYLD <sup>2</sup>	GRIN2A	MYD88 <sup>2</sup>	SETD2 (MADH2) <sup>2</sup>
ATR <sup>2</sup>	DAXX	H3F3A <sup>2</sup>	NF1 <sup>2</sup>	SF3B1 <sup>2</sup>
ATRX <sup>2</sup>	DDR1	HGF	NF2 <sup>2</sup>	SMAD2
AURKA	DDR2 <sup>2</sup>	HIST1H3B	NFE2L2 <sup>2</sup>	SMAD4 (MADH4)
AURKB	DICER1 <sup>2</sup>	HNF1A	NFKBIA (IKB-alpha, MAD3)	SMARCA4 <sup>1</sup>
AURKC	DNM2	HOBX13	NKX2-1	SMARCB1 <sup>1</sup>
AXIN1 <sup>2</sup>	DNMT3A <sup>2</sup>	HRAS <sup>2</sup>	NOTCH1 <sup>2</sup>	SMC1A (SMC1L1) <sup>2</sup>
AXIN2	DOT1L	HSP90AA1	NOTCH2 <sup>2</sup>	SMC3
B2M	EED	ID3	NOTCH3 <sup>2</sup>	SMO <sup>2</sup>
BAP1 <sup>2</sup>	EGFR (ERBB1) <sup>1,2</sup>	IDH1 <sup>2</sup>	NPM1 <sup>2</sup>	SOCS1
BCL2 <sup>2</sup>	EGLN1	IDH2 <sup>1,2</sup>	NRAS <sup>1,2</sup>	SOX2
BCL2L1 (BCLXL)	EP300	IGF1R <sup>1</sup>	NSD1 <sup>2</sup>	SOX9 <sup>2</sup>
BCL6 <sup>2</sup>	EPAS1	IKZF1 <sup>2</sup>	NTRK1 (TRKA) <sup>2</sup>	SPOP
BCOR	EPHA3	IKZF3	NTRK2 <sup>2</sup>	SRC <sup>2</sup>
BCORL1	EPHA5	IL7R <sup>2</sup>	NTRK3 <sup>2</sup>	SRSF2 <sup>2</sup>
BCR	ERBB2 (HER2/neu) <sup>1,2</sup>	INHBA	PAK3	STAG2 <sup>2</sup>
BIRC3 (C-IAP2) <sup>2</sup>	ERBB3 <sup>2</sup>	IRF4	PALB2 <sup>2</sup>	STAT3 <sup>2</sup>
BLM <sup>2</sup>	ERBB4 <sup>2</sup>	JAK1 <sup>2</sup>	PAX5	STK11 (LKB1) <sup>2</sup>
BRAF <sup>1,2</sup>	ERG	JAK2 <sup>2</sup>	PBRM1	SUFU
BRCA1 <sup>1,2</sup>	ESR1 (ER-alpha) <sup>1,2</sup>	JAK3 <sup>2</sup>	PDGFRA <sup>2</sup>	SUZ12
BRCA2 <sup>1,2</sup>	ETNK1	KAT6A (MYST3)	PDGFRB <sup>2</sup>	TAL1
BRIP1 <sup>2</sup>	ETV6 <sup>2</sup>	KDM5C	PHF6	TCF3 <sup>2</sup>
BTK <sup>2</sup>	EXO1 <sup>2</sup>	KDM6A <sup>2</sup>	PIK3CA (p110-alpha) <sup>2</sup>	TERT (including promoter region) <sup>2</sup>
CALR	EZH2 <sup>2</sup>	KDR (VEGFR3) <sup>2</sup>	PIK3R1 (p85-alpha) <sup>2</sup>	TET2 <sup>2</sup>
CARD11	FAM175A	KEAP1 <sup>2</sup>	PIK3R2 <sup>2</sup>	TGFB2
CBL	FAM46C	KIT (CD117) <sup>1,2</sup>	PIM1	TNFAIP3
CBLB	FANCA <sup>2</sup>	KMT2A <sup>2</sup>	PLCG1	TNFRSF14
CBLC	FANCC <sup>2</sup>	KMT2B	PMS1 <sup>2</sup>	TP53 (p53) <sup>2</sup>
CCND1 <sup>2</sup>	FANCD2 <sup>2</sup>	KMT2C	PMS2 <sup>1,2</sup>	TRAF3
CCND3 <sup>2</sup>	FANCE <sup>2</sup>	KMT2D <sup>2</sup>	POLD1 <sup>2</sup>	TSC1 <sup>2</sup>
CCNE1 <sup>2</sup>	FANCF <sup>2</sup>	KRAS <sup>1,2</sup>	POLE <sup>2</sup>	TSC2 <sup>2</sup>
CD274 (PD-L1)	FANCG <sup>2</sup>	MAP2K1 (MEK1) <sup>2</sup>	PPM1D	TSHR
CD79A	FAS (TNFRSF6)	MAP2K2 (MEK2) <sup>2</sup>	PPP2R1A <sup>2</sup>	U2AF1 <sup>2</sup>
CD79B	FBXW7 <sup>2</sup>	MAP2K4 (MKK4, JNKK1) <sup>2</sup>	PRDM1	U2AF2
CDC73	FGF4 <sup>2</sup>	MAP3K1 (MEK1) <sup>2</sup>	PRKAR1A	VHL <sup>2</sup>
CDH1 (E-cadherin)	FGF6 <sup>2</sup>	MAP3K14	PRKDC <sup>2</sup>	WHSC1
CDK4 <sup>2</sup>	FGFR1 <sup>2</sup>	MAPK1 (ERK2) <sup>2</sup>	PRSS1	WT1 <sup>2</sup>
CDK12 <sup>2</sup>	FGFR2 <sup>2</sup>	MCL1	PTCH1 <sup>2</sup>	XPO1 <sup>2</sup>
CDK6 <sup>2</sup>	FGFR3 <sup>2</sup>	MDM2 <sup>2</sup>	PTEN <sup>2</sup>	XRCC2
CDKN2A (p16INK4a) <sup>2</sup>	FGFR4 <sup>2</sup>	MDM4 <sup>1,2</sup>	PTPN11 <sup>2</sup>	XRCC3
CDKN2B (p15INK4b) <sup>2</sup>	FH <sup>2</sup>	MED12 <sup>2</sup>	RAC1	ZNF217
CDKN2C (p18INK4c) <sup>2</sup>	FLCN <sup>2</sup>	MEF2B	RAD21	ZRSR2 <sup>2</sup>

<sup>2</sup> Copy number alterations reported

<sup>1</sup>  Alterations in gene associated with targeted FDA-approved drug(s)

<sup>2</sup> Alterations in gene associated with investigational drug(s) and/or help meet criteria for clinical trial inclusion



**GENES ASSOCIATED PRIMARILY WITH SOLID TUMORS (82 GENES)**

ACVR1B <sup>2</sup>	CDH1 (E-cadherin)	ESR1 (ER-alpha) <sup>1,2</sup>	HIST1H3B	NTRK2 <sup>2</sup>	SMAD4 (MADH4)
AKT1 <sup>2</sup>	CDK12 <sup>2</sup>	EXO1 <sup>2</sup>	HOXB13	PALB2 <sup>2</sup>	SMARCA4 <sup>1</sup>
AKT2 <sup>2</sup>	CDK6 <sup>2</sup>	FAM175A	HRAS <sup>2</sup>	PBRM1	SMARCB1 <sup>1</sup>
AKT3 <sup>2</sup>	CHEK2 (RAD53) <sup>2</sup>	FGFR1 <sup>2</sup>	KDM5C	PMS2 <sup>1,2</sup>	SOCS1
AR <sup>2</sup>	CTNNB1 (beta-catenin) <sup>2</sup>	FGFR2 <sup>2</sup>	KEAP1 <sup>2</sup>	POLD1 <sup>2</sup>	STK11 (LKB1) <sup>2</sup>
ARID1B	CYLD <sup>2</sup>	FH2	MAP2K1 (MEK1) <sup>2</sup>	POLE <sup>2</sup>	TAL1
ATRX <sup>2</sup>	DAXX	FLT4 (VEGFR2) <sup>2</sup>	MAP2K2 (MEK2) <sup>2</sup>	PRSS1	TGFBR2
AURKC	DDR1	FOXL2	MCL1	RAC1	TSC1 <sup>2</sup>
AXIN2	DDR2 <sup>2</sup>	FUBP1	MET <sup>2</sup>	RAF1 <sup>2</sup>	TSC2 <sup>2</sup>
BCL2L1 (BCLXL)	DICER1 <sup>2</sup>	GALNT12	MTOR <sup>2</sup>	RET <sup>2</sup>	VHL <sup>2</sup>
BRCA1 <sup>1,2</sup>	EGLN1	GEN1	NF2 <sup>2</sup>	RHEB	XRCC2
BRCA2 <sup>1,2</sup>	EPAS1	GNAS	NFE2L2 <sup>2</sup>	RIT1	XRCC3
BRIP1 <sup>2</sup>	ERBB3 <sup>2</sup>	GREM1	NOTCH3 <sup>2</sup>	SETD2 (MADH2) <sup>2</sup>	
CBLC	ERBB4 <sup>2</sup>	H3F3A <sup>2</sup>	NTRK1 (TRKA) <sup>2</sup>	SMAD2	

**GENES ASSOCIATED PRIMARILY WITH HEMATOLOGIC MALIGNANCIES (21 GENES)**

B2M	ETNK1	SETBP1
BIRC3 (C-IAP2) <sup>2</sup>	ETV6 <sup>2</sup>	SMC1A (SMC1L1)
CALR	ID3	SMC3
CSF3R (GM-CSFR)	IKZF3	SRSF2 <sup>2</sup>
CUX1	MAP3K14	TRAF3
CXCR4 <sup>2</sup>	MAPK1 (ERK2) <sup>2</sup>	U2AF2
EED	RHOA	WHSC1

**GENES ASSOCIATED WITH SOLID TUMORS + HEMATOLOGIC MALIGNANCIES (174 GENES)**

ABL1 <sup>1,2</sup>	CD79A	FANCE <sup>2</sup>	JAK3 <sup>2</sup>	NF1 <sup>2</sup>	RAD50 <sup>2</sup>
ALK <sup>1,2</sup>	CD79B	FANCF <sup>2</sup>	KAT6A (MYST3)	NFKBIA (IKB-alpha, MAD3)	RAD51 <sup>2</sup>
AMER1	CDC73	FANCG <sup>2</sup>	KDM6A <sup>2</sup>	NKX2-1	RB1 <sup>2</sup>
APC <sup>2</sup>	CDK4 <sup>2</sup>	FAS (TNFRSF6)	KDR (VEGFR3) <sup>2</sup>	NOTCH1 <sup>2</sup>	RNF43 <sup>2</sup>
ARAF <sup>2</sup>	CDKN2A (p16INK4a) <sup>2</sup>	FBXW7 <sup>2</sup>	KIT (CD117) <sup>1,2</sup>	NOTCH2 <sup>2</sup>	ROS1 <sup>1,2</sup>
ARID1A <sup>2</sup>	CDKN2B (p15INK4b) <sup>2</sup>	FGF4 <sup>2</sup>	KMT2A <sup>2</sup>	NPM1 <sup>2</sup>	RUNX1 (AML1) <sup>2</sup>
ARID2	CDKN2C (p18INK4c) <sup>2</sup>	FGF6 <sup>2</sup>	KMT2B	NRAS <sup>1,2</sup>	SDHB <sup>2</sup>
ASXL1 <sup>2</sup>	CEBPA <sup>2</sup>	FGFR3 <sup>2</sup>	KMT2C	NSD1 <sup>2</sup>	SF3B1 <sup>2</sup>
ATM <sup>2</sup>	CHEK1 <sup>2</sup>	FGFR4 <sup>2</sup>	KMT2D <sup>2</sup>	NTRK3 <sup>2</sup>	SMO <sup>2</sup>
ATR <sup>2</sup>	CIC	FLCN <sup>2</sup>	KRAS <sup>1,2</sup>	PAK3	SOX2
AURKA	CREBBP (CBP)	FLT3 <sup>1,2</sup>	LRP1B	PAX5	SOX9 <sup>2</sup>
AURKB	CRLF2 (TSLPR) <sup>2</sup>	GATA1	MAP2K4 (MKK4, JNKK1) <sup>2</sup>	PDGFRA <sup>2</sup>	SPOP
AXIN1 <sup>2</sup>	CSF1R <sup>2</sup>	GATA2	MAP3K1 (MEKK1) <sup>2</sup>	PDGFRB <sup>2</sup>	SRC <sup>2</sup>
BAP1 <sup>2</sup>	CTCF	GATA3 <sup>2</sup>	MDM2 <sup>2</sup>	PHF6	STAG2 <sup>2</sup>
BCL2 <sup>2</sup>	CTNNA1 <sup>2</sup>	GNA11 <sup>2</sup>	MDM4 <sup>2</sup>	PIK3CA (p110-alpha) <sup>2</sup>	STAT3 <sup>2</sup>
BCL6 <sup>2</sup>	DNM2	GNAQ <sup>2</sup>	MED12 <sup>2</sup>	PIK3R1 (p85-alpha) <sup>2</sup>	SUFU
BCOR	DNMT3A <sup>2</sup>	GRIN2A	MEF2B	PIK3R2 <sup>2</sup>	SUZ12
BCORL1	DOT1L	HGF	MEN1 <sup>2</sup>	PIM1	TCF3 <sup>2</sup>
BCR	EGFR (ERBB1) <sup>1,2</sup>	HNF1A	MITF	PLCG1	TERT (including promoter region) <sup>2</sup>
BLM <sup>2</sup>	EP300	HSP90AA1	MLH1 <sup>1,2</sup>	PMS1 <sup>2</sup>	TET2 <sup>2</sup>
BRAF <sup>1,2</sup>	EPHA3	IDH1 <sup>2</sup>	MPL	PPM1D	TNFAIP3
BTK <sup>2</sup>	EPHA5	IDH2 <sup>1,2</sup>	MRE11A	PPP2R1A <sup>2</sup>	TNFRSF14
CARD11	ERBB2 (HER2/neu) <sup>1,2</sup>	IGF1R <sup>2</sup>	MSH2 <sup>1,2</sup>	PRDM1	TP53 (p53) <sup>2</sup>
CBL	ERG	IKZF1 <sup>2</sup>	MSH6 <sup>1,2</sup>	PRKAR1A	TSHR
CBLB	EZH2 <sup>2</sup>	IL7R <sup>2</sup>	MUTYH <sup>2</sup>	PRKDC <sup>2</sup>	U2AF1 <sup>2</sup>
CCND1 <sup>2</sup>	FAM46C	INHBA	MYC <sup>2</sup>	PTCH1 <sup>2</sup>	WT1 <sup>2</sup>
CCND3 <sup>2</sup>	FANCA <sup>2</sup>	IRF4	MYCL <sup>2</sup>	PTEN <sup>2</sup>	XP01 <sup>2</sup>
CCNE1 <sup>2</sup>	FANCC <sup>2</sup>	JAK1 <sup>2</sup>	MYCN <sup>2</sup>	PTPN11 <sup>2</sup>	ZNF217
CD274 (PD-L1)	FANCD2 <sup>2</sup>	JAK2 <sup>2</sup>	MYD88 <sup>2</sup>	RAD21	ZRSR2 <sup>2</sup>

<sup>2</sup> Copy number alterations reported

<sup>1</sup>  Alterations in gene associated with targeted FDA-approved drug(s)

<sup>2</sup> Alterations in gene associated with investigational drug(s) and/or help meet criteria for clinical trial inclusion