

Symbol	Name	GeneID	Chr	Chr Band
ABL1	v-abl Abelson murine leukemia viral oncogene homolog 1	25		9 9q34.1
ABL2	v-abl Abelson murine leukemia viral oncogene homolog 2	27		1 1q24-q25
ACSL3	acyl-CoA synthetase long-chain family member 3	2181		2 2q36
AF15Q14	AF15q14 protein	57082		15 15q14
AF1Q	ALL1-fused gene from chromosome 1q	10962		1 1q21
AF3p21	SH3 protein interacting with Nck, 90 kDa (ALL1 fused gene from 3p21)	51517		3 3p21
AF5q31	ALL1 fused gene from 5q31	27125		5 5q31
AKAP9	A kinase (PRKA) anchor protein (yotiao) 9	10142		7 7q21-q22
AKT1	v-akt murine thymoma viral oncogene homolog 1	207		14 14q32.32
AKT2	v-akt murine thymoma viral oncogene homolog 2	208		19 19q13.1-q13.2
ALDH2	aldehyde dehydrogenase 2 family (mitochondrial)	217		12 12q24.2
ALK	anaplastic lymphoma kinase (Ki-1)	238		2 2p23
ALO17	KIAA1618 protein	57714		17 17q25.3
APC	adenomatous polyposis of the colon gene	324		5 5q21
ARHGEF12	RHO guanine nucleotide exchange factor (GEF) 12 (LARG)	23365		11 11q23.3
ARHH	RAS homolog gene family, member H (TTF)	399		4 4p13
ARID1A	AT rich interactive domain 1A (SWI-like)	8289		1 1p35.3
ARNT	aryl hydrocarbon receptor nuclear translocator	405		1 1q21
ASPCR1	alveolar soft part sarcoma chromosome region, candidate 1	79058		17 17q25
ASXL1	additional sex combs like 1	171023		20 20q11.1
ATF1	activating transcription factor 1	466		12 12q13
ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP c	471		2 2q35
ATM	ataxia telangiectasia mutated	472		11 11q22.3
ATRX	alpha thalassemia/mental retardation syndrome X-linked	546	X	Xq21.1
BAP1	BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)	8314		3 3p21.31-p21.2
BCL10	B-cell CLL/lymphoma 10	8915		1 1p22
BCL11A	B-cell CLL/lymphoma 11A	53335		2 2p13
BCL11B	B-cell CLL/lymphoma 11B (CTIP2)	64919		14 14q32.1
BCL2	B-cell CLL/lymphoma 2	596		18 18q21.3
BCL3	B-cell CLL/lymphoma 3	602		19 19q13
BCL5	B-cell CLL/lymphoma 5	603		17 17q22
BCL6	B-cell CLL/lymphoma 6	604		3 3q27
BCL7A	B-cell CLL/lymphoma 7A	605		12 12q24.1
BCL9	B-cell CLL/lymphoma 9	607		1 1q21
BCR	breakpoint cluster region	613		22 22q11.21
BHD	folliculin, Birt-Hogg-Dube syndrome	201163		17 17p11.2
BIRC3	baculoviral IAP repeat-containing 3	330		11 11q22-q23
BLM	Bloom Syndrome	641		15 15q26.1
BMPR1A	bone morphogenetic protein receptor, type IA	657		10 10q22.3
BRAF	v-raf murine sarcoma viral oncogene homolog B1	673		7 7q34
BRCA1	familial breast/ovarian cancer gene 1	672		17 17q21
BRCA2	familial breast/ovarian cancer gene 2	675		13 13q12

BRD3	bromodomain containing 3	8019	9 9q34
BRD4	bromodomain containing 4	23476	19 19p13.1
BRIP1	BRCA1 interacting protein C-terminal helicase 1	83990	17 17q22
BTG1	B-cell translocation gene 1, anti-proliferative	694	12 12q22
BUB1B	BUB1 budding uninhibited by benzimidazoles 1 homolog beta (yeast)	701	15 15q15
C12orf9	chromosome 12 open reading frame 9	93669	12 12q14.3
C15orf21	chromosome 15 open reading frame 21	283651	15 15q21.1
C15orf55	chromosome 15 open reading frame 55	256646	15 15q14
C16orf75	chromosome 16 open reading frame 75	116028	16 16p13.13
CANT1	calcium activated nucleotidase 1	124583	17 17q25
CARD11	caspase recruitment domain family, member 11	84433	7 7p22
CARS	cysteinyl-tRNA synthetase	833	11 11p15.5
CBFA2T1	core-binding factor, runt domain, alpha subunit 2;translocated to, 1 (ETC)	862	8 8q22
CBFA2T3	core-binding factor, runt domain, alpha subunit 2; translocated to, 3 (MT)	863	16 16q24
CBFB	core-binding factor, beta subunit	865	16 16q22
CBL	Cas-Br-M (murine) ecotropic retroviral transforming	867	11 11q23.3
CBLB	Cas-Br-M (murine) ecotropic retroviral transforming sequence b	868	3 3q13.11
CBLC	Cas-Br-M (murine) ecotropic retroviral transforming sequence c	23624	19 19q13.2
CCNB1IP1	cyclin B1 interacting protein 1, E3 ubiquitin protein ligase	57820	14 14q11.2
CCND1	cyclin D1	595	11 11q13
CCND2	cyclin D2	894	12 12p13
CCND3	cyclin D3	896	6 6p21
CD273	programmed cell death 1 ligand 2	80380	9 9p24.2
CD274	CD274 molecule	29126	9 9p24
CD74	CD74 molecule, major histocompatibility complex, class II invariant chain	972	5 5q32
CD79A	CD79a molecule, immunoglobulin-associated alpha	973	19 19q13.2
CD79B	CD79b molecule, immunoglobulin-associated beta	974	17 17q23
CDH1	cadherin 1, type 1, E-cadherin (epithelial) (ECAD)	999	16 16q22.1
CDH11	cadherin 11, type 2, OB-cadherin (osteoblast)	1009	16 16q22.1
CDK4	cyclin-dependent kinase 4	1019	12 12q14
CDK6	cyclin-dependent kinase 6	1021	7 7q21-q22
CDKN2A -p16(INK4a)	cyclin-dependent kinase inhibitor 2A (p16(INK4a)) gene	1029	9 9p21
CDKN2A- p14ARF	cyclin-dependent kinase inhibitor 2A-- p14ARF protein	1029	9 9p21
CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	1031	1 1p32
CDX2	caudal type homeo box transcription factor 2	1045	13 13q12.3
CEBPA	CCAAT/enhancer binding protein (C/EBP), alpha	1050	19 19q13.1
CEP1	centrosomal protein 1	11064	9 9q33
CHCHD7	coiled-coil-helix-coiled-coil-helix domain containing 7	79145	8 8q11.2
CHEK2	CHK2 checkpoint homolog (S. pombe)	11200	22 22q12.1
CHIC2	cysteine-rich hydrophobic domain 2	26511	4 4q11-q12
CHN1	chimerin (chimaerin) 1	1123	2 2q31-q32.1
CIC	capicua homolog (Drosophila)	23152	19 19q13.2
CIITA	class II, major histocompatibility complex, transactivator	4261	16 16p13

CLTC	clathrin, heavy polypeptide (Hc)	1213		17 17q11-qter
CLTCL1	clathrin, heavy polypeptide-like 1	8218		22 22q11.21
CMKOR1	chemokine orphan receptor 1	57007		2 2q37.3
COL1A1	collagen, type I, alpha 1	1277		17 17q21.31-q22
COPEB	core promoter element binding protein (KLF6)	1316		10 10p15
COX6C	cytochrome c oxidase subunit VIc	1345		8 8q22-q23
CREB1	cAMP responsive element binding protein 1	1385		2 2q34
CREB3L1	cAMP responsive element binding protein 3-like 1	90993		11 11p11.2
CREB3L2	cAMP responsive element binding protein 3-like 2	64764		7 7q34
CREBBP	CREB binding protein (CBP)	1387		16 16p13.3
CRLF2	cytokine receptor-like factor 2	64109	X,Y	Xp22.3; Yp11.3
CRTC3	CREB regulated transcription coactivator 3	64784		15 15q26.1
CTNNB1	catenin (cadherin-associated protein), beta 1	1499		3 3p22-p21.3
CYLD	familial cylindromatosis gene	1540		16 16q12-q13
D10S170	DNA segment on chromosome 10 (unique) 170, H4 gene (PTC1)	8030		10 10q21
DAXX	death-domain associated protein	1616		6 6p21.3
DDB2	damage-specific DNA binding protein 2	1643		11 11p12
DDIT3	DNA-damage-inducible transcript 3	1649		12 12q13.1-q13.2
DDX10	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10	1662		11 11q22-q23
DDX5	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	1655		17 17q21
DDX6	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6	1656		11 11q23.3
DEK	DEK oncogene (DNA binding)	7913		6 6p23
DICER1	dicer 1, ribonuclease type III	23405		14 14q32.13
DNMT3A	DNA (cytosine-5-)-methyltransferase 3 alpha	1788		2 2p23
DUX4	double homeobox, 4	22947		4 4q35
EBF1	early B-cell factor 1	1879		5 5q34
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b))	1956		7 7p12.3-p12.1
EIF4A2	eukaryotic translation initiation factor 4A, isoform 2	1974		3 3q27.3
ELF4	E74-like factor 4 (ets domain transcription factor)	2000	X	Xq26
ELK4	ELK4, ETS-domain protein (SRF accessory protein 1)	2005		1 1q32
ELKS	ELKS protein	23085		12 12p13.3
ELL	ELL gene (11-19 lysine-rich leukemia gene)	8178		19 19p13.1
ELN	elastin	2006		7 7q11.23
EML4	echinoderm microtubule associated protein like 4	27436		2 2p21
EP300	300 kd E1A-Binding protein gene	2033		22 22q13
EPS15	epidermal growth factor receptor pathway substrate 15 (AF1p)	2060		1 1p32
ERBB2	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/gliobl	2064		17 17q21.1
ERCC2	excision repair cross-complementing rodent repair deficiency, compleme	2068		19 19q13.2-q13.3
ERCC3	excision repair cross-complementing rodent repair deficiency, compleme	2071		2 2q21
ERCC4	excision repair cross-complementing rodent repair deficiency, compleme	2072		16 16p13.3-p13.13
ERCC5	excision repair cross-complementing rodent repair deficiency, compleme	2073		13 13q33
ERG	v-ets erythroblastosis virus E26 oncogene like (avian)	2078		21 21q22.3
ETV1	ets variant gene 1	2115		7 7p22

ETV4	ets variant gene 4 (E1A enhancer binding protein, E1AF)	2118	17 17q21
ETV5	ets variant gene 5	2119	3 3q28
ETV6	ets variant gene 6 (TEL oncogene)	2120	12 12p13
EVI1	ecotropic viral integration site 1	2122	3 3q26
EWSR1	Ewing sarcoma breakpoint region 1 (EWS)	2130	22 22q12
EXT1	multiple exostoses type 1 gene	2131	8 8q24.11-q24.13
EXT2	multiple exostoses type 2 gene	2132	11 11p12-p11
EZH2	enhancer of zeste homolog 2	2146	7 7q35-q36
FACL6	fatty-acid-coenzyme A ligase, long-chain 6	23305	5 5q31
FANCA	Fanconi anemia, complementation group A	2175	16 16q24.3
FANCC	Fanconi anemia, complementation group C	2176	9 9q22.3
FANCD2	Fanconi anemia, complementation group D2	2177	3 3p26
FANCE	Fanconi anemia, complementation group E	2178	6 6p21-p22
FANCF	Fanconi anemia, complementation group F	2188	11 11p15
FANCG	Fanconi anemia, complementation group G	2189	9 9p13
FBXW7	F-box and WD-40 domain protein 7 (archipelago homolog, Drosophila)	55294	4 4q31.3
FCGR2B	Fc fragment of IgG, low affinity IIb, receptor for (CD32)	2213	1 1q23
FEV	FEV protein - (HSRNAFEV)	54738	2 2q36
FGFR1	fibroblast growth factor receptor 1	2260	8 8p11.2-p11.1
FGFR10P	FGFR1 oncogene partner (FOP)	11116	6 6q27
FGFR2	fibroblast growth factor receptor 2	2263	10 10q26
FGFR3	fibroblast growth factor receptor 3	2261	4 4p16.3
FH	fumarate hydratase	2271	1 1q42.1
FHIT	fragile histidine triad gene	2272	3 3p14.2
FIP1L1	FIP1 like 1 (<i>S. cerevisiae</i>)	81608	4 4q12
FLI1	Friend leukemia virus integration 1	2313	11 11q24
FLJ27352	BX648577, FLJ27352 hypothetical LOC145788	145788	15 15q21.3
FLT3	fms-related tyrosine kinase 3	2322	13 13q12
FNBP1	formin binding protein 1 (FBP17)	23048	9 9q23
FOXL2	forkhead box L2	668	3 3q23
FOXO1A	forkhead box O1A (FKHR)	2308	13 13q14.1
FOXO3A	forkhead box O3A	2309	6 6q21
FOXP1	forkhead box P1	27086	3 3p14.1
FSTL3	follistatin-like 3 (secreted glycoprotein)	10272	19 19p13
FUS	fusion, derived from t(12;16) malignant liposarcoma	2521	16 16p11.2
FVT1	follicular lymphoma variant translocation 1	2531	18 18q21.3
GAS7	growth arrest-specific 7	8522	17 17p
GATA1	GATA binding protein 1 (globin transcription factor 1)	2623	X Xp11.23
GATA2	GATA binding protein 2	2624	3 3q21.3
GATA3	GATA binding protein 3	2625	10 10p15
GMPS	guanine monphosphate synthetase	8833	3 3q24
GNA11	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	2767	19 19p13.3
GNAQ	guanine nucleotide binding protein (G protein), q polypeptide	2776	9 9q21

GNAS	guanine nucleotide binding protein (G protein), alpha stimulating activity	2778	20 20q13.2
GOLGA5	golgi autoantigen, golgin subfamily a, 5 (PTC5)	9950	14 14q
GOPC	golgi associated PDZ and coiled-coil motif containing	57120	6 6q21
GPC3	glypican 3	2719	X Xq26.1
GPHN	gephyrin (GPH)	10243	14 14q24
GRAF	GTPase regulator associated with focal adhesion kinase pp125(FAK)	23092	5 5q31
HCMOGT-1	sperm antigen HCMOGT-1	92521	17 17p11.2
HEAB	ATP_GTP binding protein	10978	11 11q12
HEI10	enhancer of invasion 10 - fused to HMGA2	57820	14 14q11.1
HERPUD1	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquiti	9709	16 16q12.2-q13
HIP1	huntingtin interacting protein 1	3092	7 7q11.23
HIST1H4I	histone 1, H4i (H4FM)	8294	6 6p21.3
HLF	hepatic leukemia factor	3131	17 17q22
HLXB9	homeo box HB9	3110	7 7q36
HMGA1	high mobility group AT-hook 1	3159	6 6p21
HMGA2	high mobility group AT-hook 2 (HMGIC)	8091	12 12q15
HNRNPA2B1	heterogeneous nuclear ribonucleoprotein A2/B1	3181	7 7p15
HOOK3	hook homolog 3	84376	8 8p11.21
HOXA11	homeo box A11	3207	7 7p15-p14.2
HOXA13	homeo box A13	3209	7 7p15-p14.2
HOXA9	homeo box A9	3205	7 7p15-p14.2
HOXC11	homeo box C11	3227	12 12q13.3
HOXC13	homeo box C13	3229	12 12q13.3
HOXD11	homeo box D11	3237	2 2q31-q32
HOXD13	homeo box D13	3239	2 2q31-q32
HRAS	v-Ha-ras Harvey rat sarcoma viral oncogene homolog	3265	11 11p15.5
HRPT2	hyperparathyroidism 2	3279	1 1q21-q31
HSPCA	heat shock 90kDa protein 1, alpha	3320	14 14q32.31
HSPCB	heat shock 90kDa protein 1, beta	3326	6 6p12
IDH1	isocitrate dehydrogenase 1 (NADP+), soluble	3417	2 2q33.3
IDH2	socitrate dehydrogenase 2 (NADP+), mitochondrial	3418	15 15q26.1
IGH@	immunoglobulin heavy locus	3492	14 14q32.33
IGK@	immunoglobulin kappa locus	50802	2 2p12
IGL@	immunoglobulin lambda locus	3535	22 22q11.1-q11.2
IKZF1	IKAROS family zinc finger 1	10320	7 7p12.2
IL2	interleukin 2	3558	4 4q26-q27
IL21R	interleukin 21 receptor	50615	16 16p11
IL6ST	interleukin 6 signal transducer (gp130, oncostatin M receptor)	3572	5 5q11
IRF4	interferon regulatory factor 4	3662	6 6p25-p23
IRTA1	immunoglobulin superfamily receptor translocation associated 1	83417	1 1q21
ITK	IL2-inducible T-cell kinase	3702	5 5q31-q32
JAK1	Janus kinase 1	3716	1 1p32.3-p31.3
JAK2	Janus kinase 2	3717	9 9p24

JAK3	Janus kinase 3	3718		19 19p13.1
JAZF1	juxtaposed with another zinc finger gene 1	221895		7 7p15.2-p15.1
JUN	jun oncogene	3725		1 1p32-p31
KDM5A	lysine (K)-specific demethylase 5A, JARID1A	5927		12 12p11
KDM5C	lysine (K)-specific demethylase 5C (JARID1C)	8242	X	Xp11.22-p11.21
KDM6A	lysine (K)-specific demethylase 6A, UTX	7403	X	Xp11.2
KDR	vascular endothelial growth factor receptor 2	3791		4 4q11-q12
KIAA1549	KIAA1549	57670		7 7q34
KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	3815		4 4q12
KLK2	kallikrein-related peptidase 2	3817		19 19q13.41
KRAS	v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene homolog	3845		12 12p12.1
KTN1	kinectin 1 (kinesin receptor)	3895		14 14q22.1
LAF4	lymphoid nuclear protein related to AF4	3899		2 2q11.2-q12
LASP1	LIM and SH3 protein 1	3927		17 17q11-q21.3
LCK	lymphocyte-specific protein tyrosine kinase	3932		1 1p35-p34.3
LCP1	lymphocyte cytosolic protein 1 (L-plastin)	3936		13 13q14.1-q14.3
LCX	leukemia-associated protein with a CXXC domain	80312		10 10q21
LHFP	lipoma HMGIC fusion partner	10186		13 13q12
LIFR	leukemia inhibitory factor receptor	3977		5 5p13-p12
LMO1	LIM domain only 1 (rhombotin 1) (RBTN1)	4004		11 11p15
LMO2	LIM domain only 2 (rhombotin-like 1) (RBTN2)	4005		11 11p13
LPP	LIM domain containing preferred translocation partner in lipoma	4026		3 3q28
LYL1	lymphoblastic leukemia derived sequence 1	4066		19 19p13.2-p13.1
MADH4	Homolog of Drosophila Mothers Against Decapentaplegic 4 gene	4089		18 18q21.1
MAF	v-maf musculoaponeurotic fibrosarcoma oncogene homolog	4094		16 16q22-q23
MAFB	v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)	9935		20 20q11.2-q13.1
MALT1	mucosa associated lymphoid tissue lymphoma translocation gene 1	10892		18 18q21
MAML2	mastermind-like 2 (Drosophila)	84441		11 11q22-q23
MAP2K4	mitogen-activated protein kinase kinase 4	6416		17 17p11.2
MDM2	Mdm2 p53 binding protein homolog	4193		12 12q15
MDM4	Mdm4 p53 binding protein homolog	4194		1 1q32
MDS1	myelodysplasia syndrome 1	4197		3 3q26
MDS2	myelodysplastic syndrome 2	259283		1 1p36
MECT1	mucoepidermoid translocated 1	94159		19 19p13
MEN1	multiple endocrine neoplasia type 1 gene	4221		11 11q13
MET	met proto-oncogene (hepatocyte growth factor receptor)	4233		7 7q31
MHC2TA	MHC class II transactivator	4261		16 16p13
MITF	microphthalmia-associated transcription factor	4286		3 3p14.1
MKL1	megakaryoblastic leukemia (translocation) 1	57591		22 22q13
MLF1	myeloid leukemia factor 1	4291		3 3q25.1
MLH1	E.coli MutL homolog gene	4292		3 3p21.3
MLL	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosop	4297		11 11q23
MLL2	myeloid/lymphoid or mixed-lineage leukemia 2	8085		12 12q12-q14

MLL3	myeloid/lymphoid or mixed-lineage leukemia 3	58508		7 7q36.1
MLLT1	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosop	4298		19 19p13.3
MLLT10	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosop	8028		10 10p12
MLLT2	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosop	4299		4 4q21
MLLT3	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosop	4300		9 9p22
MLLT4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosop	4301		6 6q27
MLLT6	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosop	4302		17 17q21
MLLT7	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosop	4303	X	Xq13.1
MN1	meningioma (disrupted in balanced translocation) 1	4330		22 22q13
MPL	myeloproliferative leukemia virus oncogene, thrombopoietin receptor	4352		1 p34
MSF	MLL septin-like fusion	10801		17 17q25
MSH2	mutS homolog 2 (E. coli)	4436		2 2p22-p21
MSH6	mutS homolog 6 (E. coli)	2956		2 2p16
MSI2	musashi homolog 2 (Drosophila)	124540		17 17q23.2
MSN	moesin	4478	X	Xq11.2-q12
MTCP1	mature T-cell proliferation 1	4515	X	Xq28
MUC1	mucin 1, transmembrane	4582		1 1q21
MUTYH	mutY homolog (E. coli)	4595		1 1p34.3-1p32.1
MYB	v-myb myeloblastosis viral oncogene homolog	4602		6 6q22-23
MYC	v-myc myelocytomatosis viral oncogene homolog (avian)	4609		8 8q24.12-q24.13
MYCL1	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma deri	4610		1 1p34.3
MYCN	v-myc myelocytomatosis viral related oncogene, neuroblastoma derived	4613		2 2p24.1
MYD88	myeloid differentiation primary response gene (88)	4615		3 3p22
MYH11	myosin, heavy polypeptide 11, smooth muscle	4629		16 16p13.13-p13.12
MYH9	myosin, heavy polypeptide 9, non-muscle	4627		22 22q13.1
MYST4	MYST histone acetyltransferase (monocytic leukemia) 4 (MORF)	23522		10 10q22
NACA	nascent-polypeptide-associated complex alpha polypeptide	4666		12 12q23-q24.1
NBS1	Nijmegen breakage syndrome 1 (nibrin)	4683		8 8q21
NCOA1	nuclear receptor coactivator 1	8648		2 2p23
NCOA2	nuclear receptor coactivator 2 (TIF2)	10499		8 8q13.1
NCOA4	nuclear receptor coactivator 4 - PTC3 (ELE1)	8031		10 10q11.2
NF1	neurofibromatosis type 1 gene	4763		17 17q12
NF2	neurofibromatosis type 2 gene	4771		22 22q12.2
NFE2L2	nuclear factor (erythroid-derived 2)-like 2 (NRF2)	4780		2 2q31
NFIB	nuclear factor I/B	4781		9 9p24.1
NFKB2	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p4	4791		10 10q24
NIN	ninein (GSK3B interacting protein)	51199		14 14q24
NKX2-1	NK2 homeobox 1	7080		14 14q13
NONO	non-POU domain containing, octamer-binding	4841	X	Xq13.1
NOTCH1	Notch homolog 1, translocation-associated (Drosophila) (TAN1)	4851		9 9q34.3
NOTCH2	Notch homolog 2	4853		1 1p13-p11
NPM1	nucleophosmin (nucleolar phosphoprotein B23, numatrin)	4869		5 5q35
NR4A3	nuclear receptor subfamily 4, group A, member 3 (NOR1)	8013		9 9q22

NRAS	neuroblastoma RAS viral (v-ras) oncogene homolog	4893		1 1p13.2
NSD1	nuclear receptor binding SET domain protein 1	64324		5 5q35
NTRK1	neurotrophic tyrosine kinase, receptor, type 1	4914		1 1q21-q22
NTRK3	neurotrophic tyrosine kinase, receptor, type 3	4916		15 15q25
NUMA1	nuclear mitotic apparatus protein 1	4926		11 11q13
NUP214	nucleoporin 214kDa (CAN)	8021		9 9q34.1
NUP98	nucleoporin 98kDa	4928		11 11p15
NUT	nuclear protien in testis	256646		15 q13
OLIG2	oligodendrocyte lineage transcription factor 2 (BHLHB1)	10215		21 21q22.11
OMD	osteomodulin	4958		9 9q22.31
P2RY8	purinergic receptor P2Y, G-protein coupled, 8	286530	X,Y	Xp22.3; Yp11.3
PAFAH1B2	platelet-activating factor acetylhydrolase, isoform Ib, beta subunit 30kDa	5049		11 11q23
PALB2	partner and localizer of BRCA2	79728		16 16p12.1
PAX3	paired box gene 3	5077		2 2q35
PAX5	paired box gene 5 (B-cell lineage specific activator protein)	5079		9 9p13
PAX7	paired box gene 7	5081		1 1p36.2-p36.12
PAX8	paired box gene 8	7849		2 2q12-q14
PBRM1	polybromo 1	55193		3 3p21
PBX1	pre-B-cell leukemia transcription factor 1	5087		1 1q23
PCM1	pericentriolar material 1 (PTC4)	5108		8 8p22-p21.3
PCSK7	proprotein convertase subtilisin/kexin type 7	9159		11 11q23.3
PDE4DIP	phosphodiesterase 4D interacting protein (myomegalin)	9659		1 1q12
PDGFB	platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-	5155		22 22q12.3-q13.1
PDGFRA	platelet-derived growth factor, alpha-receptor	5156		4 4q11-q13
PDGFRB	platelet-derived growth factor receptor, beta polypeptide	5159		5 5q31-q32
PER1	period homolog 1 (Drosophila)	5187		17 17p13.1-17p12
PHOX2B	paired-like homeobox 2b	8929		4 4p12
PICALM	phosphatidylinositol binding clathrin assembly protein (CALM)	8301		11 11q14
PIK3CA	phosphoinositide-3-kinase, catalytic, alpha polypeptide	5290		3 3q26.3
PIK3R1	phosphoinositide-3-kinase, regulatory subunit 1 (alpha)	5295		5 5q13.1
PIM1	pim-1 oncogene	5292		6 6p21.2
PLAG1	pleiomorphic adenoma gene 1	5324		8 8q12
PML	promyelocytic leukemia	5371		15 15q22
PMS1	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)	5378		2 2q31-q33
PMS2	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	5395		7 7p22
PMX1	paired mesoderm homeo box 1	5396		1 1q24
PNUTL1	peanut-like 1 (Drosophila)	5413		22 22q11.2
POU2AF1	POU domain, class 2, associating factor 1 (OBF1)	5450		11 11q23.1
POU5F1	POU domain, class 5, transcription factor 1	5460		6 6p21.31
PPARG	peroxisome proliferative activated receptor, gamma	5468		3 3p25
PPP2R1A	protein phosphatase 2, regulatory subunit A, alpha	5518		19 19q13.41
PRCC	papillary renal cell carcinoma (translocation-associated)	5546		1 1q21.1
PRDM1	PR domain containing 1, with ZNF domain	639		6 6q21

PRDM16	PR domain containing 16	63976	1	1p36.23-p33
PRF1	perforin 1 (pore forming protein)	5551	10	10q22
PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific)	5573	17	17q23-q24
PRO1073	PRO1073 protein (ALPHA)	29005	11	11q31.1
PSIP2	PC4 and SFRS1 interacting protein 2 (LEDGF)	11168	9	9p22.2
PTCH	Homolog of Drosophila Patched gene	5727	9	9q22.3
PTEN	phosphatase and tensin homolog gene	5728	10	10q23.3
PTPN11	protein tyrosine phosphatase, non-receptor type 11	5781	12	12q24.1
RAB5EP	rabaptin, RAB GTPase binding effector protein 1 (RABPT5)	9135	17	17p13
RAD51L1	RAD51-like 1 (<i>S. cerevisiae</i>) (RAD51B)	5890	14	14q23-q24.2
RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	5894	3	3p25
RALGDS	ral guanine nucleotide dissociation stimulator	5900	9	9q34.3
RANBP17	RAN binding protein 17	64901	5	5q34
RAP1GDS1	RAP1, GTP-GDP dissociation stimulator 1	5910	4	4q21-q25
RARA	retinoic acid receptor, alpha	5914	17	17q12
RB1	retinoblastoma gene	5925	13	13q14
RBM15	RNA binding motif protein 15	64783	1	1p13
RECQL4	RecQ protein-like 4	9401	8	8q24.3
REL	v-rel reticuloendotheliosis viral oncogene homolog (avian)	5966	2	2p13-p12
RET	ret proto-oncogene	5979	10	10q11.2
ROS1	v-ros UR2 sarcoma virus oncogene homolog 1 (avian)	6098	6	6q22
RPL22	ribosomal protein L22 (EAP)	6146	1	1p36.31
RPN1	ribophorin I	6184	3	3q21.3-q25.2
RUNDC2A	RUN domain containing 2A	84127	16	16p13.13
RUNX1	runt-related transcription factor 1 (AML1)	861	21	21q22.3
RUNXBP2	runt-related transcription factor binding protein 2 (MOZ/ZNF220)	7994	8	8p11
SBDS	Shwachman-Bodian-Diamond syndrome protein	51119	7	7q11
SDH5	chromosome 11 open reading frame 79	54949	11	11q12.2
SDHB	succinate dehydrogenase complex, subunit B, iron sulfur (lp)	6390	1	1p36.1-p35
SDHC	succinate dehydrogenase complex, subunit C, integral membrane protei	6391	1	1q21
SDHD	succinate dehydrogenase complex, subunit D, integral membrane protei	6392	11	11q23
SEPT6	septin 6	23157	X	Xq24
SET	SET translocation	6418	9	9q34
SETD2	SET domain containing 2	29072	3	3p21.31
SFPQ	splicing factor proline/glutamine rich(polypyrimidine tract binding protein	6421	1	1p34.3
SFRS3	splicing factor, arginine/serine-rich 3	6428	6	6p21
SH3GL1	SH3-domain GRB2-like 1 (EEN)	6455	19	19p13.3
SIL	TAL1 (SCL) interrupting locus	6491	1	1p32
SLC45A3	solute carrier family 45, member 3	85414	1	1q32
SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chrom	6597	19	19p13.2
SMARCB1	SWI/SNF related, matrix associated, actin dependent regulator of chrom	6598	22	22q11
SMO	smoothened homolog (<i>Drosophila</i>)	6608	7	7q31-q32
SOCS1	suppressor of cytokine signaling 1	8651	16	16p13.13

SOX2	SRY (sex determining region Y)-box 2	6657		3 3q26.3-q27
SRGAP3	SLIT-ROBO Rho GTPase activating protein 3	9901		3 3p25.3
SS18	synovial sarcoma translocation, chromosome 18	6760		18 18q11.2
SS18L1	synovial sarcoma translocation gene on chromosome 18-like 1	26039		20 20q13.3
SSH3BP1	spectrin SH3 domain binding protein 1	10006		10 10p11.2
SSX1	synovial sarcoma, X breakpoint 1	6756	X	Xp11.23-p11.22
SSX2	synovial sarcoma, X breakpoint 2	6757	X	Xp11.23-p11.22
SSX4	synovial sarcoma, X breakpoint 4	6759	X	Xp11.23
STK11	serine/threonine kinase 11 gene (LKB1)	6794		19 19p13.3
STL	Six-twelve leukemia gene	7955		6 6q23
SUFU	suppressor of fused homolog (Drosophila)	51684		10 10q24.32
SUZ12	suppressor of zeste 12 homolog (Drosophila)	23512		17 17q11.2
SYK	spleen tyrosine kinase	6850		9 9q22
TAF15	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated	8148		17 17q11.1-q11.2
TAL1	T-cell acute lymphocytic leukemia 1 (SCL)	6886		1 1p32
TAL2	T-cell acute lymphocytic leukemia 2	6887		9 9q31
TCEA1	transcription elongation factor A (SII), 1	6917		8 8q11.2
TCF1	transcription factor 1, hepatic (HNF1)	6927		12 12q24.2
TCF12	transcription factor 12 (HTF4, helix-loop-helix transcription factors 4)	6938		15 15q21
TCF3	transcription factor 3 (E2A immunoglobulin enhancer binding factors E12)	6929		19 19p13.3
TCL1A	T-cell leukemia/lymphoma 1A	8115		14 14q32.1
TCL6	T-cell leukemia/lymphoma 6	27004		14 14q32.1
TET2	tet oncogene family member 2	54790		4 4q24
TFE3	transcription factor binding to IGHM enhancer 3	7030	X	Xp11.22
TFEB	transcription factor EB	7942		6 6p21
TFG	TRK-fused gene	10342		3 3q11-q12
TFPT	TCF3 (E2A) fusion partner (in childhood Leukemia)	29844		19 19q13
TFRC	transferrin receptor (p90, CD71)	7037		3 3q29
THRAP3	thyroid hormone receptor associated protein 3 (TRAP150)	9967		1 1p34.3
TIF1	transcriptional intermediary factor 1 (PTC6, TIF1A)	8805		7 7q32-q34
TLX1	T-cell leukemia, homeobox 1 (HOX11)	3195		10 10q24
TLX3	T-cell leukemia, homeobox 3 (HOX11L2)	30012		5 5q35.1
TMPRSS2	transmembrane protease, serine 2	7113		21 21q22.3
TNFAIP3	tumor necrosis factor, alpha-induced protein 3	7128		6 6q23
TNFRSF14	tumor necrosis factor receptor superfamily, member 14 (herpesvirus ent)	8764		1 1p36.32
TNFRSF17	tumor necrosis factor receptor superfamily, member 17	608		16 16p13.1
TNFRSF6	tumor necrosis factor receptor superfamily, member 6 (FAS)	355		10 10q24.1
TOP1	topoisomerase (DNA) I	7150		20 20q12-q13.1
TP53	tumor protein p53	7157		17 17p13
TPM3	tropomyosin 3	7170		1 1q22-q23
TPM4	tropomyosin 4	7171		19 19p13.1
TPR	translocated promoter region	7175		1 1q25
TRA@	T cell receptor alpha locus	6955		14 14q11.2

TRB@	T cell receptor beta locus	6957		7 7q35
TRD@	T cell receptor delta locus	6964		14 14q11
TRIM27	tripartite motif-containing 27	5987		6 6p22
TRIM33	tripartite motif-containing 33 (PTC7,TIF1G)	51592		1 1p13
TRIP11	thyroid hormone receptor interactor 11	9321		14 14q31-q32
TSC1	tuberous sclerosis 1 gene	7248		9 9q34
TSC2	tuberous sclerosis 2 gene	7249		16 16p13.3
TSHR	thyroid stimulating hormone receptor	7253		14 14q31
TTL	tubulin tyrosine ligase	150465		2 2q13
USP6	ubiquitin specific peptidase 6 (Tre-2 oncogene)	9098		17 17p13
VHL	von Hippel-Lindau syndrome gene	7428		3 3p25
WAS	Wiskott-Aldrich syndrome	7454	X	Xp11.23-p11.22
WHSC1	Wolf-Hirschhorn syndrome candidate 1(MMSET)	7468		4 4p16.3
WHSC1L1	Wolf-Hirschhorn syndrome candidate 1-like 1 (NSD3)	54904		8 8p12
WIF1	WNT inhibitory factor 1	11197		12 12q14.3
WRN	Werner syndrome (RECQL2)	7486		8 8p12-p11.2
WT1	Wilms tumour 1 gene	7490		11 11p13
WTX	family with sequence similarity 123B (FAM123B)	139285	X	Xq11.1
XPA	xeroderma pigmentosum, complementation group A	7507		9 9q22.3
XPC	xeroderma pigmentosum, complementation group C	7508		3 3p25
ZNF145	zinc finger protein 145 (PLZF)	7704		11 11q23.1
ZNF198	zinc finger protein 198	7750		13 13q11-q12
ZNF278	zinc finger protein 278 (ZSG)	23598		22 22q12-q14
ZNF331	zinc finger protein 331	55422		19 19q13.3-q13.4
ZNF384	zinc finger protein 384 (CIZ/NMP4)	171017		12 12p13
ZNF521	zinc finger protein 521	25925		18 18q11.2
ZNF9	zinc finger protein 9 (a cellular retroviral nucleic acid binding protein)	7555		3 3q21
ZNFN1A1	zinc finger protein, subfamily 1A, 1 (Ikaros)	10320		7 7p12

Abbreviatic Term

A	amplification
AEL	acute eosinophilic leukemia
AL	acute leukemia
ALCL	anaplastic large-cell lymphoma
ALL	acute lymphocytic leukemia
AML	acute myelogenous leukemia
AML*	acute myelogenous leukemia (primarily treatment associated)
APL	acute promyelocytic leukemia
B-ALL	B-cell acute lymphocytic leukaemia
B-CLL	B-cell Lymphocytic leukemia
B-NHL	B-cell Non-Hodgkin Lymphoma
CLL	chronic lymphatic leukemia
CML	chronic myeloid leukemia
CMML	chronic myelomonocytic leukemia
CNS	central nervous system
D	large deletion
DFSP	dermatofibrosarcoma protuberans
DLBCL	diffuse large B-cell lymphoma
DLCL	diffuse large-cell lymphoma
Dom	dominant
E	epithelial
F	frameshift
GIST	gastrointestinal stromal tumour
JMML	juvenile myelomonocytic leukemia
L	leukaemia/lymphoma
M	mesenchymal
MALT	mucosa-associated lymphoid tissue lymphoma
MDS	myelodysplastic syndrome
Mis	Missense
MLCLS	mediastinal large cell lymphoma with sclerosis
MM	multiple myeloma
MPD	Myeloproliferative disorder
N	nonsense
NHL	non-Hodgkin lymphoma
NK/T	natural killer T cell
NSCLC	non small cell lung cancer
O	other
PMBL	primary mediastinal B-cell lymphoma
pre-B All	pre-B-cell acute lymphoblastic leukaemia
Rec	recessive
S	splice site
T	translocation
T-ALL	T-cell acute lymphoblastic leukemia
T-CLL	T-cell chronic lymphocytic leukaemia
TGCT	testicular germ cell tumour
T-PLL	T cell polyclonal lymphocytic leukaemia