



Cancer Gene List - IV

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Abstract: There are thousands of genes that are related to the cancer development. This asreticle gives 1400 genes that are supposed as cancer genes. This is cancer gene list part 4.
 [Herbert M. **Cancer Gene List - IV**. *Cancer Biology* 2020;10(2):59-77]. ISSN: 2150-1041 (print); ISSN: 2150-105X (online). <http://www.cancerbio.net>. 7. doi: [10.7537/marscbj100220.07](https://doi.org/10.7537/marscbj100220.07).

Key words: cancer; gene; DNA; life; medicine

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Cell proliferation is regulated during the body growth and the cancer could happen if the regulation is out of control. Viruses can be used to introduce the reprogramming factors into adult cells. However, there is a risk that the virus used to introduce the stem cell factors sometimes possibly causes cancers. Controlling genes on and off is central to the biological process. The most serious medical conditions, such as cancer and birth defects, are due to abnormal cell division and differentiation. Cancer cell lines can be used to find potential anti-tumor drugs. To control the differentiation of stem cell precisely is important in the drug development (Ma, et al, 2014).

There are thousands of genes that are related to the cancer development. Here it gives 1400 genes that are supposed as cancer genes (Table 1) (Atlas of Genetics and Cytogenetics in Oncology and Haematology., 2015). HGNC is responsible for

approving unique symbols and names for human loci, including protein coding genes, ncRNA genes and pseudogenes, to allow unambiguous scientific communication. The HUGO Gene Nomenclature Committee is the only worldwide authority that assigns standardised nomenclature to human genes. The HGNC approves both a short-form abbreviation known as a gene symbol, and also a longer and more descriptive name. Each symbol is unique and the committee ensures that each gene is only given one approved gene symbol. This allows for clear and unambiguous reference to genes in scientific communications, and facilitates electronic data retrieval from databases and publications. In preference, symbols also maintain parallel construction for different members of a gene family and can also be used for orthologous genes in other vertebrate species (HGNC, 2015).

Table 1. Cancer gene list (4)

Gene	Location	HGNC (Hugo) Name
H11 (Alias)	12q24.23	HSPB8
H12.3 (Alias)	5q35.3	GNB2L1
H12 (Alias)	3p21.31	RHOA
H1 (Alias)	1p36.11	CLIC4
H2AFX	11q23.3	H2AFX (H2A histone family, member X)
H2 (Alias)	9p24.1	RLN2
H2a/x (Alias)	11q23.3	H2AFX
H2A/X (Alias)	11q23.3	H2AFX
H2A.X (Alias)	11q23.3	H2AFX
H2AX (Alias)	11q23.3	H2AFX
H2 (heparin-binding growth factor receptor) (Alias)	8p11.23	FGFR1
H37 (Alias)	3p21.31	RBM5
H3 (rhesus monkey) (Alias)	10q26.13	DMBT1
H4 (Alias)	10q21.2	CCDC6
H6 (Alias)	2p24.1	RHOB
H731 (Alias)	10q25.2	PDCD4

H9 (Alias)	1p13.2	RHOC
HA1753 (Alias)	10p15.1	AKRIC3
HACE1	6q16.3	HACE1 (HECT domain and ankyrin repeat containing E3 ubiquitin protein ligase 1)
HAGE (for Helicase AntiGen) (Alias)	6q13	DDX43
HAI-1 (Alias)	15q15.1	SPINT1
HAI1 (Alias)	15q15.1	SPINT1
HAI (Alias)	15q15.1	SPINT1
HAIP1 (Alias)	11q22.2	BIRC3
HAKRB (Alias)	10p15.1	AKRIC3
HAKRe (Alias)	10p15.1	AKRIC3
HAMPKb (Alias)	12q24.23	PRKAB1
HAP46 (Alias)	9p13.3	BAG1
HAP (Alias)	9p13.3	BAG1
HARAKIRI (Alias)	12q24.22	HRK
HARP (Alias)	7q33	PTN
HAS2	8q24.13	HAS2 (hyaluronan synthase 2)
HASH1 (Alias)	12q23.2	ASCL1
HAUSP (Alias)	16p13.2	USP7
HB16 (Alias)	2q31.1	ATF2
HB-1 (Alias)	7q21.3	PEG10
HB9 (Alias)	7q36.3	MNX1
HBD1 (Alias)	8p23.1	DEFB1
HBEBP36 (Alias)	5q34	WWC1
HBEBP3 (Alias)	5q34	WWC1
HBEX2 (Alias)	Xq22.1	BEX1
HBGF-0.8 (Alias)	6q23.2	CTGF
HBGF-1 (Alias)	5q31.3	FGF1
HBGF1 (Alias)	5q31.3	FGF1
HBGF-2 (Alias)	4q27	FGF2
HBGF-8 (Alias)	10q24.32	FGF8
HBGF8 (Alias)	7q33	PTN
HBM (Alias)	11q13.2	LRP5
HBNF (Alias)	7q33	PTN
HBP1	7q22.3	HBP1 (HMG-box transcription factor 1)
HBP23 (Heme-binding protein 23 kDa) (Alias)	1p34.1	PRDX1
HBXAP (Alias)	11q14.1	RSF1
HBZ17 (Alias)	7q32.2	NRF1
HCA519 (Alias)	20q11.21	TPX2
HCC-1 (Alias)	12q13.2	SARNP
HCELL (Alias)	11p13	CD44
HCMOGT-1 (Alias)	17p11.2	SPECC1
HCMOGT-1 (sperm antigen HCMOGT-1) (Alias)	17p11.2	SPECC1
HCNP (Alias)	12q24.23	PEBP1
HCNPPP (Alias)	12q24.23	PEBP1
HCP (Alias)		PTPN6
HCPH (Alias)		PTPN6
Hcs24 (Alias)	6q23.2	CTGF
HCTP4 (Alias)	20q11.21	TPX2
HD21 (Alias)	Xp11.22	SSX2
HD2 (Alias)	6q21	HDAC2
HD3 (Alias)	5q31.3	HDAC3
HDAC2	6q21	HDAC2 (histone deacetylase 2)

HDAC3 (Alias)	5q31.3	HDAC3
HDAC3	5q31.3	HDAC3 (Histone deacetylase 3)
HDGC (Alias)	18q12.1	DSG2
Hdlg (Alias)	3q29	DLG1
HDMX (Alias)	12q15	MDM2
HDR (Alias)	10p14	GATA3
HDRS (Alias)	10p14	GATA3
HEB (Alias)	15q21.3	TCF12
HEK11 (Alias)	6q16.1	EPHA7
HEK4 (Alias)	3p11.1	EPHA3
HEK (Alias)	3p11.1	EPHA3
HEL168 (Alias)	14q11.2	ANG
Helios (Alias)	2q34	IKZF2
HELLS	10q23.33	HELLS (Helicase, Lymphoid-Specific)
HEL-S-28 (Alias)	11p15.4	ILK
HEP (Alias)	7q34	EPHB6
HEPTP (Alias)	1q32.1	PTPN7
HEPTP (Alias)	20p13	PTPRA
HER-2 (Alias)	17q12	ERBB2
HER2 (Alias)	17q12	ERBB2
HER-2/neu (Alias)	17q12	ERBB2
HER3 (Alias)	12q13.2	ERBB3
HERV-7q (Alias)	-	ERVW-1
HERV-W_7q21.2 provirus ancestral Env polyprotein precursor (Alias)	-	ERVW-1
HERV-W (Alias)	-	ERVW-1
HERVW (Alias)	-	ERVW-1
HERV-W-ENV (Alias)	-	ERVW-1
Hexabrachion (Alias)	9q33.1	TNC
HFE1 (Alias)	6p22.2	HFE
HFE	6p22.2	HFE (hemochromatosis)
HFH-11 (Alias)	12p13.33	FOXM1
HFH11 (Alias)	12p13.33	FOXM1
HFH1 (Alias)	6p25.3	FOXQ1
HFKH4 (Alias)	9q22.33	FOXE1
HFKL5 (Alias)	9q22.33	FOXE1
HFSP (Alias)	5q11.2	GZMA
HG11 (Alias)	11q12.1	APLNR
HG4-1 (Alias)	12q13.2	PA2G4
HGF (Alias)	7p15.3	IL6
HGFB (Alias)	7q21.11	HGF
HGF	7q21.11	HGF (hepatocyte growth factor (hepapoietin A; scatter factor))
HGFIN (Alias)	7p15.3	GPNMB
HGFL (Alias)	3p21.31	MST1
HGK2 (Alias)	6p21.33	DDR1
HGNC:13226 (Alias)	21q22.11	OLIG2
HGNC:14460 (Alias)	14q11.2	NDRG2
HGNC8617 (Alias)	2q36.1	PAX3
HGR74-h (Alias)	Xq22.1	BEX1
H-GRF55 (Alias)	15q25.1	RASGRF1
HH (Alias)	6p22.2	HFE
HHC1 (Alias)	3q21.1	CASR
HHC (Alias)	3q21.1	CASR

HHF7 (Alias)	1p13.2	SLC16A1
HHG 2 (Alias)	2p16.3	LHCR
HHG (Alias)	Xp21.2	NROB1
HHM (Alias)	12p11.22	PTHLH
HHT1 (Alias)	9q34.11	ENG
HHT2 (Alias)	12q13.13	ACVRL1
HHT (Alias)	12q13.13	ACVRL1
HIAP1 (Alias)	11q22.2	BIRC3
Hiap-2 (Alias)	11q22.2	BIRC2
HIAP-2 (Alias)	11q22.2	BIRC2
HIAP2 (Alias)	11q22.2	BIRC2
HIC1	17p13.3	HIC1 (Hypermethylated in Cancer 1)
HIF-1b (Alias)	1q21.3	ARNT
HIF2A (Alias)	2p21	EPAS1
HIFPH2 (Alias)	1q42.2	EGLN1
HILI (Alias)	8p21.3	PIWIL2
HIP116A (Alias)	3q24	HLTF
HIP116 (Alias)	3q24	HLTF
HIP1	7q11.23	HIP1 (Huntingtin interactin protein 1)
HIP8 (Alias)	Xq28	MAGEA3
HIPK2	7q34	HIPK2 (homeodomain interacting protein kinase 2)
Hippostasin (Alias)	19q13.41	KLK11
HIRS-1 (Alias)	2q36.3	IRS1
HIV-1 Tat interacting protein (Alias)	11q13.1	KAT5
HIWI (Alias)	12q24.33	PIWIL1
HJ1 (Alias)	20p12.2	JAG1
HJ2 (Alias)	14q32.33	JAG2
HJMD (Alias)	16q22.1	CDH3
HKMT1069 (Alias)	1p13.2	WDR77
HLADG (Alias)	5q32	CD74
HLA-G	6p22.1	HLA-G (major histocompatibility complex, class I, G)
HLA-H (Alias)	6p22.2	HFE
HLC-7 (Alias)	5q35.3	GNB2L1
HLCDGP1 (Alias)	5q32	CSNK1A1
HLF (Alias)	2p21	EPAS1
HLF	17q22	HLF (hepatic leukemia factor)
HLPR (Alias)	20p13	PTPRA
HLR1 (Alias)	17q23.3	DDX5
HLTF1 (Alias)	3q24	HLTF
HLTF	3q24	HLTF (helicase-like transcription factor)
HLXB9 (homeo box HB9) (Alias)	7q36.3	MNX1
HM145 (Alias)	3p21.31	CCR1
HMAT1 (Alias)	1q23.2	PEA15
HMFN0395 (Alias)	19q13.33	ATF5
HMGA1	6p21.31	HMGA1 (High mobility group protein (non histone chromosomal) isoform I and Y)
HMGA2	12q14.3	HMGA2 (high mobility group AT-hook 2)
HMGC (High mobility group protein isoform I-C) (Alias)	12q14.3	HMGA2
HMG-I (Y), HMGI/Y (Alias)	6p21.31	HMGA1

HMIWC2 (Alias)	18q11.2	AQP4
HMN2A (Alias)	12q24.23	HSPB8
HMN2 (Alias)	12q24.23	HSPB8
HMN2B (Alias)	7q11.23	HSPB1
HMR (Alias)	12q13.13	NR4A1
HMSNL (Alias)	8q24.22	NDRG1
HNF3A (Alias)	14q21.1	FOXA1
HNF-3 (Alias)	12p13.33	FOXM1
HNGS1 (Alias)	11q21	MRE11A
HNP (Alias)	19q13.41	KLK8
HNPCC1 (Alias)	2p21	MSH2
HNPCC2 (Alias)	3p22.2	MLH1
HNPCC3 (Alias)	2q32.2	PMS1
HNPCC5 (Alias)	2p16.3	MSH6
HNRNPD	4q21.22	HNRNPD (heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa))
HNRNP-I (Alias)	19p13.3	PTBP1
HNRNPI (Alias)	19p13.3	PTBP1
HNRNPK	9q21.32	HNRNPK (heterogeneous nuclear ribonucleoprotein K)
HNRPD (Alias)	4q21.22	HNRNPD
HNRPI (Alias)	19p13.3	PTBP1
HNRPK (Alias)	9q21.32	HNRNPK
HNT (Alias)	6p24.3	RREB1
HOM-MEL-40 (Alias)	Xp11.22	SSX2
HOX11L2 (Alias)	5q35.1	TLX3
HOX1G (homeobox-1G); (Alias)	7p15.2	HOXA9
HOX1I (HOMEBOX 1I) (Alias)	7p15.2	HOXA11
HOX3A (Alias)	12q13.13	HOXC8
HOX3 (Alias)	12q13.13	HOXC13
HOX3 (Alias)	12q13.13	HOXC8
HOX3G (Alias)	12q13.13	HOXC13
HOX8 (Alias)	5q35.2	MSX2
HOXA11	7p15.2	HOXA11 (homeobox A11)
HOXA9	7p15.2	HOXA9 (homeobox A9)
HOXC13	12q13.13	HOXC13 (homeobox C13)
HOXC8	12q13.13	HOXC8 (homeobox C8)
HOXHB9 (Alias)	7q36.3	MNX1
HP86 (Alias)	21q22.13	DYRK1A
HPAFP (Alias)	4q13.3	AFP
HP (Alias)	8p22	DLC1
HPC2 (Alias)	17p12	ELAC2
HPE9 (Alias)	2q14.2	GLI2
HPH-2 (Alias)	1q42.2	EGLN1
HPK38 (Alias)	9p13.2	MELK
HPPCn (Alias)	15q23	ANP32A
HPT-1 (Alias)	8q22.1	CDH17
HPT1 (Alias)	8q22.1	CDH17
HPTA (Alias)	7q21.11	HGF
HPT-JT (Alias)	1q31.2	CDC73
HPTP1C (Alias)		PTPN6
HPTPA (Alias)	20p13	PTPRA
HPTP (Alias)	9p24.1	PTPRD

HPTPalpha (Alias)	20p13	PTPRA
HPTPD (Alias)	9p24.1	PTPRD
HPTP-DELTA (Alias)	9p24.1	PTPRD
HPTPeta (Alias)	11p11.2	PTPRJ
HPTPG (Alias)	3p14.2	PTPRG
HPTTG (Alias)	5q33.3	PTTG1
HPVE6A (Alias)	15q11.2	UBE3A
HRAS	11p15.5	HRAS (Harvey rat sarcoma viral oncogene homolog)
HRASLS4 (Alias)	11q12.3	RARRES3
HRCAl (Alias)	8q24.13	RNF139
HRF-20 (Alias)	11p13	CD59
HRF20 (Alias)	11p13	CD59
HRH-J8 (Alias)	11q22.3	DDX10
HRK	12q24.22	HRK (harakiri, BCL2 interacting protein (contains only BH3 domain))
HRPT2 (Alias)	1q31.2	CDC73
HRR-1 (Alias)	12q23.1	NR1H4
HRR1 (Alias)	12q23.1	NR1H4
Hs.1163 (Alias)	1p34.1	PRDX1
HS1 (Alias)	20q13.33	EEF1A2
HS44KDAP (Alias)	16p11.2	MAPK3
Hs.54473 (Alias)	5q35.1	NKX2-5
Hs.6364 (Alias)	11q13.1	KAT5
Hs.75619 (Alias)	3p21.31	HYAL1
HS.76067 (Alias)	7q11.23	HSPB1
Hs.84359 (Alias)	17p13.1	CLDN7
HSA269537 (Alias)	12q23.3	CHST11
HSAP (Alias)	2p16.3	MSH6
H. sapiens p130 mRNA for 130K protein (Alias)	16q12.2	RBL2
HSAS1 (Alias)	Xq28	LICAM
HSAS (Alias)	Xq28	LICAM
HSC54 (Alias)	11q24.1	HSPA8
HSC70 (Alias)	11q24.1	HSPA8
HSC71 (Alias)	11q24.1	HSPA8
HsCDC18 (Alias)	17q21.2	CDC6
HsCDC6 (Alias)	17q21.2	CDC6
HSCTE (Alias)	19q13.41	KLK5
HSD17B5 (Alias)	10p15.1	AKR1C3
HSF (Alias)	7p15.3	IL6
HSIX1 (human SIX1) (Alias)	14q23.1	SIX1
HSKM-B (Alias)	1q32.3	SMYD2
HsMAD2 (Alias)	4q27	MAD2L1
HSN (Alias)	7p22.1	FSCN1
HSP105 (Alias)	13q12.3	HSPH1
HSP105 α (Alias)	13q12.3	HSPH1
HSP105 β (Alias)	13q12.3	HSPH1
HSP110 (Alias)	13q12.3	HSPH1
HSP22 (Alias)	12q24.23	HSPB8
Hsp25 (Alias)	7q11.23	HSPB1
HSP27 (Alias)	7q11.23	HSPB1
HSP28 (Alias)	7q11.23	HSPB1
HSP60 (Alias)	2q33.1	HSPD1
HSP65 (Alias)	2q33.1	HSPD1
HSP71 (Alias)	11q24.1	HSPA8
HSP73 (Alias)	11q24.1	HSPA8

HSP75 (Alias)	16p13.3	TRAP1
HSP90L (Alias)	16p13.3	TRAP1
HSPA10 (Alias)	11q24.1	HSPA8
HSPA5	9q33.3	HSPA5 (heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa))
HSPA8	11q24.1	HSPA8 (heat shock 70kDa protein 8)
HSPB1	7q11.23	HSPB1 (Heat-Shock 27 kDa Protein 1)
HspB5 (Alias)	11q23.1	CRYAB
HSPB5 (Alias)	11q23.1	CRYAB
HSPB8	12q24.23	HSPB8 (heat shock 22kDa protein 8)
HSPBAP1	3q21.1	HSPBAP1 (HSPB (heat shock 27kDa) associated protein 1)
HSPC022 (Alias)	22q13.1	RAC2
HSPC057 (Alias)	16q12.1	CYLD
HSPC060 (Alias)	18q22.2	SOCS6
HSPC108 (Alias)	9p13.3	STOML2
HSPC113 (Alias)	19q13.12	EXYD5
HSPC132 (Alias)	12q24.31	TRIAP1
HSPC215 (Alias)	3p13	FOXPI
HSPD1	2q33.1	HSPD1 (Heat Shock 60kDa Protein 1)
HSPG2	1p36.12	HSPG2 (heparan sulfate proteoglycan 2)
HSPG (Alias)	1p36.12	HSPG2
HSPH1	13q12.3	HSPH1 (heat shock 105kDa/110kDa protein 1)
HsT1196 (Alias)	18q21.33	SERPINB3
HsT18717 (Alias)	15q21.3	ADAM10
HsT18964 (Alias)	15q23	ITGA11
HsTRAD (Alias)	17q12	RAD51D
HSULF-1 (Alias)	8q13.2	SULF1
HSULF-2 (Alias)	20q13.12	SULF2
HSXIAPAF1 (Alias)	17p13.1	XAF1
HSY11339 (Alias)	17q25.1	ST6GALNAC1
HTATIP2	11p15.1	HTATIP2 (HIV-1 Tat interactive protein 2, 30kDa)
HTATIP (HIV-1 Tat interacting protein, 60kDa) (Alias)	11q13.1	KAT5
HTCD37 (Alias)	1q21.3	PRUNE
HTF4 (Alias)	15q21.3	TCF12
HTO27 (Alias)	17q25.1	GRB2
HTRA1	10q26.13	HTRA1 (HtrA serine peptidase 1)
HTRA2	2p13.1	HTRA2 (HtrA serine peptidase 2)
HTRA3	4p16.1	HTRA3 (HtrA serine peptidase 3)
HtrA (Alias)	10q26.13	HTRA1
H-twist (Alias)	7p21.1	TWIST1
HU-1 (Alias)	1p36.11	RPS6KA1
Hua (Alias)	19p13.2	ELAVL1
HUCEP-13 (Alias)	3p21.1	BAP1
HuCHA60 (Alias)	2q33.1	HSPD1
HuGBP-1 (Alias)	1p22.2	GBP1

HUMARA (Alias)	Xq12	AR
HUMHOXY1 (Alias)	1p36.21	PRDM2
HUMKER1A (Alias)	16p11.2	MAPK3
HUMMAT1H (Alias)	1q23.2	PEA15
HUMP68 (Alias)	17q23.3	DDX5
HUNK1 (Alias)	19p13.12	BRD4
HUP2 (Alias)	2q36.1	PAX3
HuR (Alias)	19p13.2	ELAVL1
HUR (Alias)	19p13.2	ELAVL1
HUS1	7p12.3	HUS1 (HUS1 checkpoint homolog (S. pombe))
HUTCH-I (Alias)	11p13	CD44
HVH1 (Alias)	5q35.1	DUSP1
HVSL1 (Alias)	16q21	USB1
HYA1 (Alias)	7q31.32	SPAM1
HYA22 (Alias)	3p22.2	CTDSPL
HYAL-1 (Alias)	3p21.31	HYAL1
HYAL1 (Alias)	7q31.32	SPAM1
HYAL1	3p21.31	HYAL1 (hyaluronoglucosaminidase 1)
HYAL2	3p21.31	HYAL2 (Hyaluronoglucosaminidase 2)
HYAL3 (Alias)	7q31.32	SPAM1
HYAL5 (Alias)	7q31.32	SPAM1
Hyal-PH20 (Alias)	7q31.32	SPAM1
Hyaluronidase-1 precursor (Alias)	3p21.31	HYAL1
Hyaluronoglucosaminidase-1 (Alias)	3p21.31	HYAL1
HYPD (Alias)	Xq28	MAGEA3
HYPERION (Alias)	7q21.2	AKAP9
HYPLIP1 (Alias)	1q23.3	USF1
I1PP2A (Alias)	15q23	ANP32A
I2PP2A (Alias)	9q34.11	SET
IA4 (Alias)	11p11.2	CD82
Ia-GAMMA (Alias)	5q32	CD74
IAP2 (Alias)	11q22.2	BIRC2
IASPP (Inhibitor of ASPP protein) (Alias)	19q13.32	PPP1R13L
IB1099 (Alias)	10q23.33	LGI1
IBD2; (Alias)	14q31.1	SEL1L
IBMPFD (Alias)	9p13.3	VCP
IBP6 (Alias)	12q13.13	IGFBP6
ICAM-1 (Alias)	19p13.2	ICAM1
ICAM1	19p13.2	ICAM1 (intercellular adhesion molecule 1 (CD54), human rhinovirus receptor)
ICE (Alias)	11q22.3	CASP1
ICE-LAP3 (Alias)	10q25.3	CASP7
ICE-LAP6 (Alias)	1p36.21	CASP9
ICF1 (Alias)	20q11.21	DNMT3B
ICF (Alias)	20q11.21	DNMT3B
ICIL-1RA (Alias)	2q13	IL1RN
ID1	20q11.21	ID1 (inhibitor of DNA binding 1, dominant negative helix-loop-helix protein)
ID2A (Alias)	2p25.1	ID2
ID2H (Alias)	2p25.1	ID2
ID2	2p25.1	ID2 (Inhibitor Of DNA Binding 2, Dominant Negative Helix-Loop-Helix Protein)

ID4	6p22.3	ID4 (inhibitor of DNA binding 4, dominant negative helix-loop-helix protein)
ID (Alias)	20q11.21	ID1
IDO1	8p11.21	IDO1 (indoleamine 2,3-dioxygenase 1)
IDO2	8p11.21	IDO2 (indoleamine 2,3-dioxygenase 2)
IDO (Alias)	8p11.21	IDO1
IDX-1 (Alias)	13q12.2	PDX1
IER3	6p21.33	IER3 (immediate early response 3)
IEX-1 (Alias)	6p21.33	IER3
IEX1 (Alias)	6p21.33	IER3
IEX-1L (Alias)	6p21.33	IER3
IF110 (Alias)	4q21.1	CXCL10
I-FLICE (Alias)	2q33.1	CFLAR
IFNB2 (Alias)	7p15.3	IL6
IGAAD (Alias)	9q34.11	SET
IGDA (Alias)	6p25.3	FOXC1
IGDCC1 (Alias)	18q21.2	DCC
IGEBF (Alias)	19p13.2	FCER2
IGF1A (Alias)	12q23.2	IGF1
IGF1	12q23.2	IGF1 (Insulin-Like Growth Factor 1 (Somatomedin C))
IGF1R	15q26.3	IGF1R (insulin-like growth factor 1 receptor)
IGF2BP1	17q21.32	IGF2BP1 (insulin-like growth factor 2 mRNA binding protein 1)
IGF2R	6q25.3	IGF2R (insulin-like growth factor 2 receptor)
IGFBP10 (Alias)	1p22.3	CYR61
IGFBP6	12q13.13	IGFBP6 (insulin-like growth factor binding protein 6)
IGFBP8 (Alias)	6q23.2	CTGF
IGFBP-rP3 (Alias)	6q23.2	CTGF
IGF-I (Alias)	12q23.2	IGF1
IGFI (Alias)	12q23.2	IGF1
IGFIR (Alias)	15q26.3	IGF1R
IGFR2 (Alias)	1q23.3	FCGR2B
IGH	14q32.33	IGH (Immunoglobulin Heavy)
IGH@ (Immunoglobulin Heavy) (Alias)	14q32.33	IGH
IGK	2p11.2	IGK (Immunoglobulin Kappa)
IGK@ (Immunoglobulin Kappa) (Alias)	2p11.2	IGK
IGL	22q11.22	IGL (Immunoglobulin Lambda)
IGL@ (Immunoglobulin Lambda) (Alias)	22q11.22	IGL
IGSF4C (Alias)	19q13.31	CADM4
IGSF8	1q23.2	IGSF8 (immunoglobulin superfamily, member 8)
IHG1 (Alias)	6p25.3	FOXC1
II (Alias)	5q32	CD74
IK1 (Alias)	7p12.2	IKZF1
IKLF (Alias)	13q22.1	KLF5
IKZF1	7p12.2	IKZF1 (Ikaros family zinc finger 1)

IKZF2	2q34	IKZF2 (IKAROS family zinc finger 2)
IL-17A (Alias)	6p12.2	IL17A
IL17A	6p12.2	IL17A (interleukin 17A)
IL-17 (Alias)	6p12.2	IL17A
IL17 (Alias)	6p12.2	IL17A
IL-17F (Alias)	6p12.2	IL17F
IL17F	6p12.2	IL17F (interleukin 17F)
IL-1 (Alias)	2q13	IL1B
IL-1B (Alias)	2q13	IL1B
IL1BC (Alias)	11q22.3	CASP1
IL1-BETA (Alias)	2q13	IL1B
IL1B	2q13	IL1B (interleukin 1, beta)
IL1F2 (Alias)	2q13	IL1B
IL1F3 (Alias)	2q13	IL1RN
IL-1ra3 (Alias)	2q13	IL1RN
IL-1ra (Alias)	2q13	IL1RN
IL1RA (Alias)	2q13	IL1RN
IL-1RN (Alias)	2q13	IL1RN
IL1RN	2q13	IL1RN (interleukin 1 receptor antagonist)
IL-21 (Alias)	12q15	IL22
IL21 (Alias)	12q15	IL22
IL-21R (Alias)	16p12.1	IL21R
IL21R	16p12.1	IL21R (interleukin 21 receptor)
IL-22 (Alias)	12q15	IL22
IL22	12q15	IL22 (interleukin 22)
IL22R1 (Alias)	1p36.11	IL22RA1
IL22RA1	1p36.11	IL22RA1 (interleukin 22 receptor, alpha 1)
IL22R (Alias)	1p36.11	IL22RA1
IL-23A (Alias)	12q13.3	IL23A
IL23A	12q13.3	IL23A (interleukin 23, alpha subunit p19)
IL-23 (Alias)	12q13.3	IL23A
IL23P19 (Alias)	12q13.3	IL23A
IL3	5q31.1	IL3 (interleukin-3)
IL3RA	Xp22.33	IL3RA (Interleukin-3 Receptor alpha)
IL-6 (Alias)	7p15.3	IL6
IL6	7p15.3	IL6 (interleukin 6 (interferon beta 2))
IL7RA (Alias)	5p13.2	IL7R
IL-7R-alpha (Alias)	5p13.2	IL7R
IL7R	5p13.2	IL7R (interleukin 7 receptor)
IL8R1 (Alias)	2q35	CXCR1
IL8RA (Alias)	2q35	CXCR1
IL8RBA (Alias)	2q35	CXCR1
IL-D110 (Alias)	12q15	IL22
ILK-1 (Alias)	11p15.4	ILK

ILK-2 (Alias)	11p15.4	ILK
ILK	11p15.4	ILK (integrin-linked kinase)
ILRA (Alias)	5p13.2	IL7R
IL-TIF (Alias)	12q15	IL22
ILTIF (Alias)	12q15	IL22
IMB1 (Alias)	17q21.32	KPNB1
IMD1 (Alias)	Xq22.1	BTK
IMD2 (Alias)	Xp11.23	WAS
IMP-1 (Alias)	17q21.32	IGF2BP1
IMP1 (Alias)	17q21.32	IGF2BP1
IMPCHASE (Alias)	2q35	ATIC
Impnb (Alias)	17q21.32	KPNB1
IN (Alias)	11p13	CD44
INDO2 (Alias)	8p11.21	IDO2
INDO (Alias)	8p11.21	IDO1
INDOL1 (Alias)	8p11.21	IDO2
ING1L (Alias)	4q35.1	ING2
ING1-like (Alias)	Xq13.1	INGX
ING1Lp (Alias)	4q35.1	ING2
ING2 (Alias)	Xq13.1	INGX
ING2	4q35.1	ING2 (inhibitor of growth family, member 2)
ING4	12p13.31	ING4 (inhibitor of growth family, member 4)
INGX	Xq13.1	INGX (inhibitor of growth family, X-linked, pseudogene)
INII (integrase interactor 1) (Alias)	22q11.23	SMARCB1
INK4 (Alias)	9p21.3	CDKN2A
INK4B (Alias)	9p21.3	CDKN2B
INO80H (Alias)	3q21.3	RUVBL1
INO80J (Alias)	19q13.33	RUVBL2
INP10 (Alias)	4q21.1	CXCL10
INPPL-1 (Alias)	11q13.4	INPPL1
INPPL1	11q13.4	INPPL1 (inositol polyphosphate phosphatase-like 1)
INS-1 (Alias)	12p13.33	FOXM1
INT1 (Alias)	12q13.12	WNT1
INT6 (Alias)	13q14.3	INTS6
INTS6	13q14.3	INTS6 (integrator complex subunit 6)
IP-10 (Alias)	4q21.1	CXCL10
IP10 (Alias)	Xq13.1	CXCR3
IP10-R (Alias)	Xq13.1	CXCR3
Ipaf (Alias)	2p22.3	NLRC4
IPCA-1 (Alias)	7q21.13	STEAP2
IPCA1 (Alias)	7q21.13	STEAP2
IPEX (Alias)	Xp11.23	FOXP3
IPF1 (Alias)	13q12.2	PDX1
IPFK2 (Alias)	10p15.1	PFKFB3
IPL1 (Alias)	17p13.1	AURKB
IPO1 (Alias)	17q21.32	KPNB1
IPOB (Alias)	17q21.32	KPNB1
IPP2A2 (Alias)	9q34.11	SET
IRAP (Alias)	2q13	ILIRN
IRBP (Alias)	7p12.1	GRB10
I-Rel (Alias)	19q13.32	RELB
IRF-1 (Alias)	5q31.1	IRF1

IRF1	5q31.1	IRF1 (interferon regulatory factor 1)
IRF-4 (Alias)	6p25.3	IRF4
IRF4	6p25.3	IRF4 (interferon regulatory factor 4)
IRID1 (Alias)	6p25.3	FOXC1
IRIS (Alias)	17q21.31	BRCA1
IRS1	2q36.3	IRS1 (insulin receptor substrate 1)
ITAF45 (Alias)	12q13.2	PA2G4
ITF1 Immunoglobulin Enhancer Binding (Alias)	19p13.3	TCF3
ITF (Intestinal Trefoil Factor) (Alias)	21q22.3	TFF3
ITGA11	15q23	ITGA11 (integrin, alpha 11)
ITGA4L (Alias)	3p22.2	ITGA9
ITGA6B (Alias)	2q31.1	ITGA6
ITGA6	2q31.1	ITGA6 (integrin, alpha 6)
ITGA9	3p22.2	ITGA9 (integrin, alpha 9)
ITK	5q33.3	ITK (IL2-inducible T-cell kinase)
IUF1 (Alias)	13q12.2	PDX1
IWU-1 (Alias)	19q13.12	FXYD5
IWU1 (Alias)	19q13.12	FXYD5

J03278 (Alias)	5q32	PDGFRB
J1 (Alias)	9q33.1	TNC
JAB (JAK binding protein) (Alias)	16p13.13	SOCS1
JAG1	20p12.2	JAG1 jagged 1 (Alagille syndrome)
JAG2	14q32.33	JAG2 (Human Jagged2)
JAGGED1 (Alias)	20p12.2	JAG1
Jagged2 (Alias)	14q32.33	JAG2
JAGL1 (Alias)	20p12.2	JAG1
JAK1A (Alias)	1p31.3	JAK1
JAK-1 (Alias)	1p31.3	JAK1
JAK1B (Alias)	1p31.3	JAK1
JAK1	1p31.3	JAK1 (Janus kinase 1)
JAK2	9p24.1	JAK2 (janus kinase 2)
JAK-3 (Alias)	19p13.11	JAK3
JAK3	19p13.11	JAK3 (Janus Kinase 3 or Just Another Kinase 3)
JAK HUMAN (Alias)	19p13.11	JAK3
JARID1A (Alias)	12p13.33	KDM5A
JAZF1	7p15.2	JAZF1 (JAZF zinc finger 1)
JFY1 (Alias)	19q13.32	BBC3
JIP (Alias)	18q21.2	SMAD4
JJAZ1 (joined to JAZF1) (Alias)	17q11.2	SUZ12
JM2 (Alias)	Xp11.23	FOXP3
JMJD2C (Alias)	9p24.1	KDM4C
JNK1 (C-Jun N-terminal kinase 1) (Alias)	10q11.22	MAPK8
JNK2 (C-Jun N-terminal kinase 2) (Alias)	5q35.3	MAPK9

JNK3 (C-Jun N-terminal kinase 3) (Alias)	4q21.3	MAPK10
JNKK1 (Alias)	17p12	MAP2K4
JNKK (Alias)	17p12	MAP2K4
JTK11 (Alias)	19q13.2	AXL
JTK12 (Alias)	5q32	PDGFRB
JTK13 (Alias)	15q26.3	IGF1R
JTK14 (Alias)	1p34.2	TIE1
JTK2 (Alias)	5q35.2	FGFR4
JTK3 (Alias)	1p31.3	JAK1
JUN-B (Alias)	19p13.2	JUNB
JUNB	19p13.2	JUNB (jun B proto-oncogene)
JUND	19p13.11	JUND (jun D proto-oncogene)
JUN-D proto-oncogene (Alias)	19p13.11	JUND
JUN	1p32.1	JUN (V-Jun sarcoma virus 17 oncogene homolog (avian))
JUN protooncogene homolog B (Alias)	19p13.2	JUNB
JV18-1 (Alias)	18q21.1	SMAD2
JV18 (Alias)	18q21.1	SMAD2

KAI1 (Alias)	11p11.2	CD82
KAIA302 (Alias)	9q22.31	WNK2
KAL2 (Kallmann) (Alias)	8p11.23	FGFR1
KAL6 (Alias)	10q24.32	FGF8
KARP-1 (Alias)	2q35	XRCC5
KARP1 (Alias)	2q35	XRCC5
KAT3A (Alias)	16p13.3	CREBBP
KAT5	11q13.1	KAT5 (HIV-1 Tat interacting protein, 60kDa)
KAT6A	8p11.21	KAT6A (MYST histone acetyltransferase (monocytic leukemia) 3)
KAT6B	10q22.2	KAT6B (MYST histone acetyltransferase (monocytic leukemia) 4)
KChAP (Alias)	1q21.1	PIAS3
KCMF1	2p11.2	KCMF1 (potassium channel modulatory factor 1)
KCNH1	1q32.2	KCNH1 (potassium voltage-gated channel, subfamily H (eag-related), member 1)
KCP1 (Alias)	6q23.3	PERP
KCT1 (Alias)	19q13.12	FXRD5
KCT-4 (Alias)	1q23.2	IGSF8
KD (Alias)	Xq12	AR
KDM4C	9p24.1	KDM4C (Gene amplified in squamous cell carcinoma 1)
KDM5A	12p13.33	KDM5A (Jumonji, AT rich interactive domain 1A (RBBP2-like))
Kerato-epithelin (Alias)	5q31.1	TGFB1
KET (Alias)	3q28	TP63
KFABP (Alias)	8q21.13	FABP5
KGFR (Alias)	10q26.13	FGFR2
KIAA0021 (Alias)	8p11.22	ADAM9
KIAA0042 (Alias)	1q32.1	KIF14
KIAA0075 (Alias)	6p22.3	E2F3
KIAA0092 (Alias)	11q21	CEP57

KIAA0101	15q22.31	KIAA0101 (KIAA0101)
KIAA0119 (Alias)	10p15.1	AKRIC3
KIAA0124 (Alias)	8q24.3	BOPI
KIAA0128 (Alias)	Xq24	SEPT6
KIAA0139 (Alias)	10q26.11	EIF3A
KIAA0158 (Alias)	2q37.3	SEPT2
KIAA0160, (Alias)	17q11.2	SUZ12
KIAA0164 (Alias)	6q23.3	BCLAF1
KIAA0167 (Alias)	12q14.1	AGAP2
KIAA0168 (Alias)	20p13	RASSF2
KIAA0175 (Alias)	9p13.2	MELK
KIAA0198 (Alias)	20q11.21	PLAGL2
KIAA0201 (Alias)	13q12.3	HSPH1
KIAA0234 (Alias)	9q34.13	TSC1
KIAA0272 (Alias)	3p21.1	BAP1
KIAA0287 (Alias)	19q13.43	PEG3
KIAA0382 (Alias)	11q23.3	ARHGEF12
KIAA0383 (Alias)	10q22.2	KAT6B
KIAA0384 (Alias)	11q12.1	CTNND1
KIAA0394 (Alias)	17p13.1	GAS7
KIAA0407 (Alias)	3p21.31	PLXNB1
KIAA0413 (Alias)	12q23.1	APAF1
KIAA0444 (Alias)	1p36.31	CHD5
KIAA0454 (Alias)	1q21.1	PDE4DIP
KIAA0474 (Alias)	1p36.12	RAP1GAP
KIAA0477 (Alias)	1q21.1	PDE4DIP
KIAA0529 (Alias)	12q14.1	USP15
KIAA0554 (Alias)	9q34.11	FNBP1
KIAA0571 (Alias)	11q14.1	GAB2
KIAA0606 (Alias)	18q21.33	PHLPP1
KIAA0616 (Alias)	19p13.11	CRTC1
KIAA0621 (Alias)	5q31.3	ARHGAP26
KIAA0651 (Alias)	1q22	ARHGEF2
KIAA0693 (Alias)	20q13.33	SS18L1
KIAA0717 (Alias)	8p21.3	RHOBTB2
KIAA0740 (Alias)	10q21.2	RHOBTB1
KIAA0777 (Alias)	4q35.1	SORBS2
KIAA0780 (Alias)	9p24.1	KDM4C
KIAA0786 (Alias)	1p31.1	LPHN2
KIAA0803 (Alias)	7q21.2	AKAP9
KIAA0826 (Alias)	4p11	FRYL
KIAA0832 (Alias)	1q41	ESRRG
KIAA0833 (Alias)	1p36.31	CAMTA1
KIAA0849 (Alias)	16q12.1	CYLD
KIAA0898 (Alias)	17q22	TRIM37
KIAA0931 (Alias)	16q22.2	PHLPP2
KIAA0955 (Alias)	19q13.33	CARD8
KIAA0978 (Alias)	20q11.21	ASXL1
KIAA0987 (Alias)	18p11.31	EPB41L3
KIAA0991 (Alias)	17q25.2	SEPT9
KIAA1051 (Alias)	7q21.3	PEG10
KIAA1071 (Alias)	Xq23	AMOT
KIAA1103 (Alias)	8p11.22	TACC1
KIAA1199	15q25.1	KIAA1199 (KIAA1199)
KIAA1248 (Alias)	14q11.2	NDRG2
KIAA1249 (Alias)	8q24.21	ASAP1

KIAA1266 (Alias)	2p21	MTA3
KIAA1288 (Alias)	8p22	MTUS1
KIAA1346 (Alias)	21q21.3	ADAMTS1
KIAA1385 (Alias)	14q23.3	GPHN
KIAA1391 (Alias)	11q23.1	ARHGAP20
KIAA1524	3q13.13	KIAA1524
KIAA1546 (Alias)	4q24	TET2
KIAA1565 (Alias)	14q22.1	NIN
KIAA1570 (Alias)	15q15.1	CASC5
KIAA1610 (Alias)	1p31.3	MIER1
KIAA1743 (Alias)	9q33.2	DAB2IP
KIAA1760 (Alias)	9q22.31	WNK2
KIAA1819 (Alias)	11q21	MAML2
KIAA1860 (Alias)	19q13.32	MARK4
KIAA1914 (Alias)	10q25.3	AFAP1L2
KIAA1961 (Alias)	5q31.1	FNIP1
KIAA1967	8p21.3	KIAA1967 (KIAA1967)
KIAA4294 (Alias)	13q14.3	OLFM4
KIA (Alias)	10q26.2	MKI67
KIAA0034 (Alias)	17q23.1	CLTC
KIBRA (Alias)	5q34	WWC1
Kidney-brush-border neutral proteinase (Alias)	3q25.2	MME
KIF14	1q32.1	KIF14 (kinesin family member 14)
KILLIN (Alias)	10q23.31	KLLN
KIP1 (Alias)	12p13.1	CDKN1B
KIT	4q12	KIT (v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog)
KITLG	12q21.32	KITLG (KIT ligand)
KIT	4q12	KIT (v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog)
KLF4	9q31.2	KLF4 (Kruppel-like factor 4 (gut))
KLF5	13q22.1	KLF5: Kruppel-like factor 5 (intestinal)
KLF6	10p15.1	KLF6 (Kruppel like factor 6)
KLK10	19q13.41	KLK10 (Kallikrein-related peptidase 10)
KLK11	19q13.41	KLK11 (Kallikrein-related peptidase 11)
KLK4	19q13.41	KLK4 (kallikrein-related peptidase 4)
KLK5	19q13.41	KLK5 (Kallikrein-related peptidase 5)
KLK7	19q13.41	KLK7 (kallikrein-related peptidase 7)
KLK8	19q13.41	KLK8 (kallikrein-related peptidase 8)
KLK-L1 (Alias)	19q13.41	KLK4
KLK-L2 (Alias)	19q13.41	KLK5
KLKL2 (Alias)	19q13.41	KLK5
KLLN	10q23.31	KLLN (killin, p53-regulated DNA replication inhibitor)
KLR (Alias)	12p13.2	KLRK1

KLRG1 (Alias)	8q24.3	MAFA
KLRK1	12p13.2	KLRK1 (killer cell lectin-like receptor subfamily K, member 1)
KMT1C (Alias)	6p21.33	EHMT2
KMT2A	11q23.3	KMT2A (myeloid/lymphoid or mixed lineage leukemia)
KMT3C (Alias)	1q32.3	SMYD2
KMT3E (Alias)	1q44	SMYD3
KMT6A (Alias)	7q36.1	EZH2
KMT6 (Alias)	7q36.1	EZH2
KMT8 (Alias)	1p36.21	PRDM2
KNL1 (Alias)	15q15.1	CASC5
KPM (Alias)	13q12.11	LATS2
KPNB1	17q21.32	KPNB1 (karyopherin (importin) beta 1)
KRAS	12p12.1	KRAS (Kirsten rat sarcoma 2 viral oncogene homolog)
K-RAS (Kirsten rat sarcoma 2 viral oncogene homolog) (Alias)	12p12.1	KRAS
KRML (Alias)	20q12	MAFB
KROX-24 (Alias)	5q31.2	EGR1
KRP (Alias)	3q21.1	MYLK
KRS2 (Alias)	20q13.12	STK4
KRTCAP1 (Alias)	6q23.3	PERP
KSA (Alias)	2p21	EPCAM
K-sam (Alias)	10q26.13	FGFR2
KSR1	17q11.1	KSR1 (kinase suppressor of ras 1)
KSR (Alias)	17q11.1	KSR1
KU70 (Alias)	22q13.2	XRCC6
KU80 (Alias)	2q35	XRCC5
Ku86 (Alias)	2q35	XRCC5
KUB1 (Alias)	8p21.1	CLU
KUB2 (Alias)	2q35	XRCC5
Kv10.1 (Alias)	1q32.2	KCNH1

L1Ag (Alias)	1q21.3	S100A8
L1AG (Alias)	1q21.3	S100A9
LICAM	Xq28	LICAM (L1 cell adhesion molecule)
L31 (Alias)	14q22.3	LGALS3
L56 (Alias)	10q26.13	HTRA1
LAF4 (lymphoid nuclear protein related to AF4) (Alias)	2q11.2	AFF3
Lag (Alias)	1p36.11	STMN1
LANP (Alias)	15q23	ANP32A
LAP18 (Alias)	1p36.11	STMN1
LAP1 (Alias)	11q24.1	HSPA8
LAP1 (Alias)	14q32.32	TRAF3
LAP (Alias)	19q13.2	TGFB1
LARG (Leukemia Associated Rho Guanine nucleotide exchange factor) (Alias)	11q23.3	ARHGEF12
LASP1	17q12	LASP1 (LIM and SH3 protein)
LATS1	6q25.1	LATS1 (LATS, large tumor suppressor, homolog 1 (Drosophila))
LATS2	13q12.11	LATS2 (LATS, large tumor suppressor, homolog 2 (Drosophila))

LAZ3 (Alias)	3q27.3	BCL6
LCAM (Alias)	16q22.1	CDH1
LCCS2 (Alias)	12q13.2	ERBB3
LCD1 (Alias)	5q31.1	TGFB1
LCGR (Alias)	2p16.3	LHCGR
LCK	1p35.1	LCK (lymphocyte-specific protein tyrosine kinase)
LCP1	13q14.13	LCP1 (lymphocyte cytosolic protein1)
LC-PTP (Alias)	1q32.1	PTPN7
LDB1	10q24.32	LDB1 (LIM domain binding 1)
LDS1B (Alias)	3p24.1	TGFB2
LDS2B (Alias)	3p24.1	TGFB2
LeB (Alias)	11p15.5	MUC5AC
LEC1 (Alias)	1p31.1	LPHN2
LECAM2 (Alias)	1q24.2	SELE
LEDGF (lens epithelium-derived growth factor) (Alias)	9p22.3	PSIP1
LENG7 (Alias)	6q13	EEF1A1
LERGU2 (Alias)	7p22.3	GPER1
LERGU (Alias)	7p22.3	GPER1
LFP40 (Alias)	1q22	ARHGEF2
LGALS2 (Alias)	14q22.3	LGALS3
LGALS3	14q22.3	LGALS3 (lectin, galactoside-binding, soluble, 3)
LGII	10q23.33	LGII (Leucine-rich, Glioma Inactivated protein 1 precursor)
LGR2 (Alias)	2p16.3	LHCGR
LGR3 (Alias)	14q31.1	TSHR
LH/CGR (Alias)	2p16.3	LHCGR
LHCGR	2p16.3	LHCGR (luteinizing hormone/choriogonadotropin receptor)
LHFP	13q13.3	LHFP (lipoma HMGIC fusion partner)
LHR (Alias)	11p13	CD44
LHR (Alias)	2p16.3	LHCGR
LHRHR (Alias)	2p16.3	LHCGR
LIAG (Alias)	1q21.3	S100A9
LIBC (Alias)	6q21	WISP3
LICE2 (Alias)	10q25.3	CASP7
LIF-R (Alias)	5p13.1	LIFR
LIFR	5p13.1	LIFR (leukemia inhibitory factor receptor alpha)
LIG-1 (Alias)	3p14.1	LRIG1
LIG1 (Alias)	3p14.1	LRIG1
LIG3 (Alias)	12q14.1	LRIG3
LIMD1	3p21.31	LIMD1 (LIM domains containing 1)
LIMK-1 (Alias)	7q11.23	LIMK1
LIMK1	7q11.23	LIMK1 (LIM domain kinase 1)
LIMK (Alias)	7q11.23	LIMK1
LIN00598	13Q14	LIN00598 long intergenic non-protein coding RNA 598
Lin28.2 (Alias)	6q16.3	LIN28B

LIN28B	6q16.3	LIN28B (lin-28 homolog B (C. elegans))
LIR-D1 (Alias)	1q23.2	IGSF8
LIV-1 (Alias)	18q12.2	SLC39A6
L-JAK (Alias)	19p13.11	JAK3
LJAK (Alias)	19p13.11	JAK3
LKB1 (Alias)	19p13.3	STK11
LKP (Alias)	1q25.3	DHX9
L-Maf (Alias)	8q24.3	MAFA
LMO1	11p15.4	LMO1 (LIM domain only 1 (rhombotin 1))
LMO2	11p13	LMO2 (LIM domain only 2 (rhombotin-like 1))
LMO2 (LIM domain only 2) (Alias)	11p13	LMO2
LMS (Alias)	3q28	TP63
LNIR (Alias)	1q23.3	PVRL4
LOC11065 (Alias)	20q13.12	UBE2C
LOC114 (Alias)	21q22.2	ETS2
LOC6424 (Alias)	7p14.1	SFRP4
LOC646982 (Alias)	13Q14	LIN00598
LOC79870 (Alias)	8q22.3	BAALC
LOG12 (Alias)	17p13.1	ALOX12
LOG15 (Alias)	17p13.2	ALOX15
LOG5 (Alias)	10q11.21	ALOX5
LOT1 (Alias)	6q24.2	PLAGL1
LOXC (mouse) (Alias)	10q24.2	LOXL4
LOX	5q23.1	LOX (lysyl oxidase)
LOXL2	8p21.3	LOXL2 (lysyl oxidase-like 2)
LOXL3	2p13.1	LOXL3 (lysyl oxidase-like 3)
LOXL4	10q24.2	LOXL4 (lysyl oxidase-like 4)
LOXL (Alias)	2p13.1	LOXL3
LOX	5q23.1	LOX (lysyl oxidase)
LP6728 (Alias)	7q34	TRPV6
LPA-1 (Alias)	9q31.3	LPAR1
LPA1 (Alias)	9q31.3	LPAR1
LPA-2 (Alias)	19p13.11	LPAR2
LPA2 (Alias)	19p13.11	LPAR2
LPAR1	9q31.3	LPAR1 (lysophosphatidic acid receptor 1)
LPAR2	19p13.11	LPAR2 (lysophosphatidic acid receptor 2)
LPC1 (Alias)	9q21.13	ANXA1
LPGP1 (Alias)	11q14.1	THRSP
Lpgp (Alias)	11q14.1	THRSP
LPHH1 (Alias)	1p31.1	LPHN2
LPHN2	1p31.1	LPHN2 (latrophilin 2)
L-Plastine (Alias)	13q14.13	LCP1
LPP	3q28	LPP (lipoma preferred partner)
LPTP (Alias)	1q32.1	PTPN7
LR3 (Alias)	11q13.2	LRP5
LRF (Alias)	19p13.3	ZBTB7A
LRIG1	3p14.1	LRIG1 (leucine-rich repeats and immunoglobulin-like domains 1)

LRIG3	12q14.1	LRIG3 (Leucine-Rich Repeats And Immunoglobulin-Like Domains 3)
LRP16 (Alias)	11q13.1	MACROD1
LRP1B	2q22.1	LRP1B (low density lipoprotein receptor-related protein 1B)
LRP5	11q13.2	LRP5 (low density lipoprotein receptor-related protein 5)
LRP7 (Alias)	11q13.2	LRP5
LRP (Alias)	20p13	PTPRA
LRP-DIT (Alias)	2q22.1	LRP1B
LRPDIT (Alias)	2q22.1	LRP1B
LRP (lung resistance-related protein) (Alias)	16p11.2	MVP
LSH (Alias)	10q23.33	HELLS
LSH-R (Alias)	2p16.3	LHCGR
LSIRF (Alias)	6p25.3	IRF4
LTA	6p21.33	LTA (Lymphotoxin-A)
LTG19 (Alias)	19p13.3	MLLT1
LTG9 (Alias)	9p21.3	MLLT3
LTRPC1 (Alias)	15q13.3	TRPM1
LTRPC6 (Alias)	2q37.1	TRPM8
LUCA-15 (Alias)	3p21.31	RBM5
LUCA-1 (Alias)	3p21.31	HYAL1
LUCAI (Alias)	3p21.31	HYAL1
LUCA-1 (Alias)	3p21.31	SEMA3B
LuCa-2 (Alias)	3p21.31	HYAL2
LUCA2 (Alias)	3p21.31	HYAL2
LUN (Alias)	9p21.1	TOPORS
LY57 (Alias)	10q24.1	BLNK
Ly74 (Alias)	2p21	EPCAM
LY95 (Alias)	6p21.1	NCR2
LYF1 (Alias)	7p12.2	IKZF1
LyGPR (Alias)	7p22.3	GPER1
LYK (Alias)	5q33.3	ITK
LYL1	19p13.2	LYL1 (lymphoblastic leukemia derived sequence 1)
LYPD3	19q13.31	LYPD3 (LY6/PLAUR domain containing 3)
Lyt10 (Alias)	10q24.32	NFKB2
LZ321 (Alias)	6p24.3	RREB1
LZTS1	8p21.3	LZTS1 (leucine zipper, putative tumor suppressor 1)

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6/25/2020