



Cancer Gene List - III

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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 3.

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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 (3)

Gene	Location	HGNC (Hugo) Name
E1A binding protein p300 (Alias)	22q13.2	EP300
E1A binding protein p400 (Alias)	12q24.33	EP400
E1A-F (Alias)	17q21.31	ETV4
E1AF (Alias)	17q21.31	ETV4
E2A (Alias)	19p13.3	TCF3
E2 Binding Factor 6 (Alias)	2p25.1	E2F6
E2F-1 (Alias)	20q11.22	E2F1
E2F1	20q11.22	E2F1 (E2F transcription factor 1)
E2F-3 (Alias)	6p22.3	E2F3
E2F3	6p22.3	E2F3 (E2F transcription factor 3)
E2F-4 (Alias)	16q22.1	E2F4
E2F4	16q22.1	E2F4 (E2F transcription factor 4, p107/p130-binding)
E2F-6 (Alias)	2p25.1	E2F6

E2F6	2p25.1	E2F6 (E2F transcription factor 6)
E2F transcription factor 6 (Alias)	2p25.1	E2F6
E2IG1 (Alias)	12q24.23	HSPB8
E3B1 (Alias)	10p12.1	ABI1
E3RSIkappaB (Alias)	10q24.32	BTRC
E5NT (Alias)	6q14.3	NT5E
E6-AP (Alias)	15q11.2	UBE3A
EAB1 (Alias)	20q13.12	EYA2
EAC (Alias)	16q12.1	CYLD
EAG1 (Alias)	1q32.2	KCNHI
EAG (Alias)	1q32.2	KCNHI
EAP1 (Alias)	6p21.32	DAXX
EAP1 (Alias)	5q33.3	PTTG1
EB1 (Alias)	20q11.21	MAPRE1
EB9 (Alias)	8q23.2	EBAG9
EBAG9	8q23.2	EBAG9 (Estrogen receptor-binding fragment-associated antigen 9)
EBMD (Alias)	5q31.1	TGFB1
EBP1 (Alias)	12q13.2	PA2G4
EBP50 (Alias)	17q25.1	SLC9A3R1
EC 1.13.11.31 (Alias)	17p13.1	ALOX12
EC 1.13.11.33 (Alias)	17p13.2	ALOX15
EC 1.13.11.34 (Alias)	10q11.21	ALOX5
EC 1.13.11.52 (Alias)	8p11.21	IDO1
EC 1.14.13.17 (Alias)	8q12.1	CYP7A1
EC 1.4.3.- (Alias)	2p13.1	LOXL3
EC 2.1.1.1 (Alias)	11q23.2	NNMT
EC 2.3.1.- EC 2.3.1.48 (Alias)	10q22.2	KAT6B
EC 2.7.10.1 (Alias)	5q32	CSF1R
EC 2.7.10.1 (Alias)	3p11.1	EPHA3
EC 2.7.10.1 (Alias)	2q13	MERTK
EC 2.7.10.1 (Alias)	9p21.2	TEK
EC 2.7.10.2 (Alias)	1p31.3	JAK1
EC 2.7.10.2 (Alias)	19p13.11	JAK3
EC 2.7.11.1 (Alias)	14q32.33	AKT1
EC 2.7.11.1 (Alias)	5q32	CSNK1A1
EC 2.7.11.1 (Alias)	9q21.33	DAPK1
EC 2.7.11.1 (Alias)	6q25.1	LATS1
EC 2.7.11.1 (Alias)	13q12.11	LATS2
EC 2.7.11.1 (Alias)	7q11.23	LIMK1
EC 2.7.11.1 (Alias)	19p13.3	STK11
EC 2.7.11.22 (Alias)	9q22.1	CDK20
EC 2.7.11.24 (Alias)	22q13.33	MAPK12
EC 2.7.11.24 (Alias)	22q11.21	MAPK1
EC 2.7.11.24 (Alias)	16p11.2	MAPK3
EC 2.7.11.26 (Alias)	3q13.33	GSK3B
EC 2.7.1.153 (Alias)	3q26.32	PIK3CA
EC 3.1.2.15 (Alias)	16p13.2	USP7
EC 3.1.3.16 (Alias)	17q23.2	PPM1D
EC 3.1.3.48 (Alias)	9p24.1	PTPRD

EC 3.1.3.n1 (Alias)	11q13.4	INPPL1
EC 3.1.4. (Alias)	16q21	USB1
EC 3.2.1.35 (Alias)	3p21.31	HYAL1
EC 3.2.1.35 (Alias)	7q31.32	SPAM1
EC 3.4.21 (Alias)	19q13.41	KLK5
EC 3.4.21.- (Alias)	11q23.3	TMPRSS4
EC 3.4.22.15 (Alias)	9q21.33	CTSL
EC 3.4.22.16 (Alias)	15q25.1	CTSH
EC 3.4.22.1 (Alias)	8p23.1	CTSB
EC 3.4.24.- (Alias)	21q21.3	ADAMTS1
EC 3.5.1.98 (Alias)	6q21	HDAC2
EC 3.5.1 (Alias)	10q21.3	SIRT1
EC 4.1.2.13 (Alias)	9q31.1	ALDOB
EC 4.2.1.11 (Alias)	1p36.23	ENO1
EC 5.3.99.4 (Alias)	20q13.13	PTGIS
EC 6.3.2.- (Alias)	9p21.1	TOPORS
ECaC2 (Alias)	7q34	TRPV6
ECAD (Alias)	16q22.1	CDH1
E-cadherin (Alias)	16q22.1	CDH1
ECG2 (Alias)	5q32	SPINK7
ECGF1 (Alias)	22q13.33	TYMP
ECGFA (Alias)	5q31.3	FGF1
ECGF (Alias)	5q31.3	FGF1
ECGFB (Alias)	5q31.3	FGF1
ECGF-beta (Alias)	5q31.3	FGF1
ECHOS1 (Alias)	21q22.3	TMPRSS3
ECK (Alias)	1p36.13	EPHA2
ECM1	1q21.3	ECM1 (extracellular matrix protein 1)
ECMR-III (Alias)	11p13	CD44
ECP51 (Alias)	19q13.33	RUVBL2
ECP54 (Alias)	3q21.3	RUVBL1
EC-PTP (Alias)	12q15	PTPRR
ECRG2 (Alias)	5q32	SPINK7
ECT1 (Alias)	10q26.13	FGFR2
ECT2	3q26.31	ECT2 (epithelial cell transforming sequence 2 oncogene)
ECTACC (Alias)	10q26.13	TACC2
ECYT3 (Alias)	1q42.2	EGLN1
ECYT4 (Alias)	2p21	EPAS1
EDDR1 (Alias)	6p21.33	DDR1
EDG2 (Alias)	9q31.3	LPAR1
EDG-4 (Alias)	19p13.11	LPAR2
EDG4 (Alias)	19p13.11	LPAR2
EDIL3	5q14.3	EDIL3 (EGF-Like Repeats And Discoidin I-Like Domains 3)
EDR (Alias)	7q21.3	PEG10
EEC3 (Alias)	3q28	TP63
EEF1A1	6q13	EEF1A1 (eukaryotic translation elongation factor 1 alpha 1)
EEF1A2	20q13.33	EEF1A2 (eukaryotic translation elongation factor 1 alpha 2)

EEF1A (Alias)	6q13	EEF1A1
EEF1AL (Alias)	20q13.33	EEF1A2
EEF-1 (Alias)	6q13	EEF1A1
EEN-B1 (Alias)	9p22.2	SH3GL2
EEN (extra eleven nineteen leukemia fusion gene) (Alias)	19p13.3	SH3GL1
EER-7 (endothelial estrogen-regulated gene-7) (Alias)	10q24.2	LOXL4
EF1A (Alias)	6q13	EEF1A1
EF1A (Alias)	20q13.33	EEF1A2
EF-1-alpha-2 (Alias)	20q13.33	EEF1A2
E-FABP (Alias)	8q21.13	FABP5
EFABP (Alias)	8q21.13	FABP5
EFEMP1	2p16.1	EFEMP1 (EGF containing fibulin-like extracellular matrix protein 1)
EG1 (Alias)	4p15.32	MED28
EGFRBP (Epidermal Growth Factor Receptor Binding Protein)-GRB2 (Alias)	17q25.1	GRB2
EGLN1	1q42.2	EGLN1 (egl nine homolog 1 (C. elegans))
EGP40 (Alias)	2p21	EPCAM
EGP (Alias)	2p21	EPCAM
EGR1	5q31.2	EGR1 (Early Growth Response 1)
EHF	11p13	EHF (ets homologous factor)
EHK3 (Alias)	6q16.1	EPHA7
EHMT2	6p21.33	EHMT2 (euchromatic histone-lysine N-methyltransferase 2)
EIF2AK1 (Alias)	2p22.2	EIF2AK2
EIF2AK2	2p22.2	EIF2AK2 (eukaryotic translation initiation factor 2-alpha kinase 2)
EIF3A	10q26.11	EIF3A (eukaryotic translation initiation factor 3, subunit A)
EIF3 (Alias)	10q26.11	EIF3A
EIF3C	16p11.2	EIF3C (eukaryotic translation initiation factor 3, subunit C)
EIF3F	11p15.4	EIF3F (eukaryotic translation initiation factor 3, subunit F)
EIF3S10 (Alias)	10q26.11	EIF3A
EIF3S5 (Alias)	11p15.4	EIF3F
EIF3S8 (Alias)	16p11.2	EIF3C
EIF4A2	3q27.3	EIF4A2 (eukaryotic translation initiation factor 4A, isoform 2)
EIF-4B (Alias)	12q13.13	EIF4B
EIF4B	12q13.13	EIF4B (eukaryotic translation initiation factor 4B)
EIF4E1 (Alias)	4q23	EIF4E
EIF4EBP1	8p11.23	EIF4EBP1 (Eukaryotic translation initiation factor 4E)

		binding protein 1)
EIF4E	4q23	EIF4E (eukaryotic translation initiation factor 4E)
EIF4EL1 (Alias)	4q23	EIF4E
EIF4F (Alias)	4q23	EIF4E
EIG8 (Alias)	3q21.1	CASR
EJ16 (Alias)	11p13	CD59
EJ30 (Alias)	11p13	CD59
EL32 (Alias)	11p13	CD59
ELAC2	17p12	ELAC2 (elaC homolog 2 (E. coli))
ELAM-1 (Alias)	1q24.2	SELE
ELAM1 (Alias)	1q24.2	SELE
ELAM (Alias)	1q24.2	SELE
ELAV1 (Alias)	19p13.2	ELAVL1
ELAVL1	19p13.2	ELAVL1 (ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R))
ELD (Alias)	1p36.11	ARID1A
ELE1 (Alias)	10q11.23	NCOA4
ELF4	Xq26.1	ELF4 (E74-like factor 4 (ets domain transcription factor))
ELFR (Alias)	Xq26.1	ELF4
ELKS (Alias)	12p13.33	ERC1
ELL	19p13.11	ELL (eleven nineteen lysin rich leukemia gene)
ELP120 (Alias)	2p21	EML4
ELP (Alias)	9q33.3	NR5A1
EMAP-4 (Alias)	2p21	EML4
EMAPL4 (Alias)	2p21	EML4
EML4	2p21	EML4 (echinoderm microtubule associated protein like 4)
EMPB3 (Alias)	17q21.31	SLC4A1
EMSP1 (Alias)	19q13.41	KLK4
EMSP (Alias)	19q13.41	KLK4
EMSY (Alias)	11q13.5	C11orf30
EMT (Alias)	5q33.3	ITK
EN-7 (Alias)	22q13.1	RAC2
ENA-78 (Alias)	4q13.3	CXCL5
ENAH	1q42.12	ENAH (enabled homolog (Drosophila))
ENC-1 (Alias)	5q13.3	ENC1
ENC1	5q13.3	ENC1 (ectodermal-neural cortex (with BTB-like domain))
END (Alias)	9q34.11	ENG
Endopeptidase-2 (Alias)	3q25.2	MME
Endophilin-1 (Alias)	9p22.2	SH3GL2
ENG	9q34.11	ENG (endoglin)
Enkephalinase (Alias)	3q25.2	MME
ENL (eleven nineteen leukemia) (Alias)	19p13.3	MLLT1

ENO1	1p36.23	ENO1 (Enolase 1, (alpha))
ENO1L1 (Alias)	1p36.23	ENO1
ENOX2	Xq26.1	ENOX2 (ecto-NOX disulfide-thiol exchanger 2)
ENPP2	8q24.12	ENPP2 (ectonucleotide pyrophosphatase/phosphodiesterase 2)
E-NPP7 (Alias)	17q25.3	ENPP7
ENPP7	17q25.3	ENPP7 (ectonucleotide pyrophosphatase/phosphodiesterase 7)
ENT0 (Alias)	11q13.5	C11orf30
Env-W (Alias)	-	ERVW-1
ENX-1 (Alias)	7q36.1	EZH2
ENX1 (Alias)	7q36.1	EZH2
EP300	22q13.2	EP300 (E1A binding protein p300)
EP400	12q24.33	EP400 (E1A binding protein p400)
EPAS1	2p21	EPAS1 (Endothelial PAS Domain Protein 1)
EPB3 (Alias)	17q21.31	SLC4A1
EPB41L3	18p11.31	EPB41L3 (erythrocyte membrane protein band 4.1-like 3)
Ep-CAM (Alias)	2p21	EPCAM
EpCAM (Alias)	2p21	EPCAM
EPCAM	2p21	EPCAM (tumor-associated calcium signal transducer 1)
EPG3 (Alias)	17q23.1	VMP1
EphA1 (Alias)	7q34	EPHA1
EPHA1	7q34	EPHA1 (EPH receptor A1)
EPHA2	1p36.13	EPHA2 (EPH receptor A2)
EphA3 (Alias)	3p11.1	EPHA3
EPHA3	3p11.1	EPHA3 (EPH receptor A3)
EPHA7	6q16.1	EPHA7 (EPH receptor A7)
EPH (Alias)	7q34	EPHA1
EPHB6	7q34	EPHB6 (EPH receptor B6)
EPHT1 (Alias)	7q34	EPHA1
EPHT (Alias)	7q34	EPHA1
Epican (Alias)	11p13	CD44
Epitempin-1 (Alias)	10q23.33	LGI1
EPM1 (Alias)	21q22.3	CSTB
EPS15 (EGFR Pathway Substrate 15) (Alias)	1p32.3	EPS15
EPS15	1p32.3	EPS15 (epidermal growth factor receptor pathway substrate 15)

EPS8	12p12.3	EPS8 (epidermal growth factor receptor pathway substrate 8)
EPT (Alias)	10q23.33	LGI1
EPVE6AP (Alias)	15q11.2	UBE3A
Er1 (Alias)	1p31.3	MIER1
ER1 (Alias)	1p31.3	MIER1
ER81 (Alias)	7p21.2	ETV1
ERBA2 (Alias)	3p24.2	THRB
Erb (Alias)	14q23.2	ESR2
ERBB2	17q12	ERBB2 (v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian))
ErbB-3 (Alias)	12q13.2	ERBB3
ERBB3	12q13.2	ERBB3 (v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian))
ER-BETA (Alias)	14q23.2	ESR2
ERC1	12p13.33	ERC1 (ELKS/RAB6-interacting/CAST family member 1)
ERCC1	19q13.32	ERCC1 (excision repair complementing defective repair in Chinese hamster.)
ERCC2	19q13.32	ERCC2 (Excision repair cross-complementing rodent repair deficiency, complementation group 2)
ERCC-3 (Excision repair cross-complementing rodent repair deficiency, complementation group 3) (Alias)	2q14.3	ERCC3
ERCC3	2q14.3	ERCC3 (Excision repair cross-complementing rodent repair deficiency, complementation group 3)
ERCC4 (Alias)	16p13.12	ERCC4
ERCC4	16p13.12	ERCC4 (xeroderma pigmentosum, complementation group F)
ERCC5 (Alias)	13q33.1	ERCC5
ERCC5	13q33.1	ERCC5 (xeroderma pigmentosum, complementation group G)
ERCC6	10q11.23	ERCC6 (excision repair cross-complementing rodent repair deficiency, complementation group 6)
ERCC8 (Alias)	5q12.1	ERCC8
ERCC8	5q12.1	ERCC8 (excision repair cross-complementing rodent repair deficiency, complementation group 8)
ERDA2 (Alias)	12p13.31	ZNF384
ERF1 (Alias)	20q13.31	TFAP2C
ERF1 (Alias)	14q24.1	ZFP36L1
ERG	21q22.2	ERG (v-ets erythroblastosis virus E26 oncogene like (avian))

ERGIC3	20q11.22	ERGIC3 (ERGIC and golgi 3)
ERG	21q22.2	ERG (v-ets erythroblastosis virus E26 oncogene like (avian))
ERIC1 (Alias)	4p16.3	TACC3
ERK-1 (Alias)	16p11.2	MAPK3
ERK1 (Alias)	16p11.2	MAPK3
ERK-2 (Alias)	22q11.21	MAPK1
ERK2 (Alias)	22q11.21	MAPK1
ERK3 (Alias)	22q13.33	MAPK12
ERK3 (Alias)	15q21.2	MAPK6
ERK3-related (Alias)	18q21.1	MAPK4
ERK4 (Alias)	18q21.1	MAPK4
ERK4 (Alias)	17p11.2	MAPK7
ERK5 (Alias)	22q13.33	MAPK12
ERK5 (Alias)	17p11.2	MAPK7
ERK-6 (Alias)	22q13.33	MAPK12
ERK6 (Alias)	22q13.33	MAPK12
ERK (Alias)	22q11.21	MAPK1
ERR1 (Alias)	11q13.1	ESRRA
ERR3 (Alias)	1q41	ESRRG
ERRa (Alias)	11q13.1	ESRRA
ERR-alpha (Alias)	11q13.1	ESRRA
ERRalpha (Alias)	11q13.1	ESRRA
ERRFI1	1p36.23	ERRFI1 (ERBB receptor feedback inhibitor 1)
ERRG2 (Alias)	1q41	ESRRG
ERT1 (Alias)	22q11.21	MAPK1
ERT2 (Alias)	16p11.2	MAPK3
Erv46 (Alias)	20q11.22	ERGIC3
ERVV (Alias)	5q14.2	VCAN
ERVW-1	-	ERVW-1 (Endogenous Retroviral family W, Env (C7), member 1)
ERVWE1 (Alias)	-	ERVW-1
ERYF1 (Alias)	Xp11.23	GATA1
Esa1 (Alias)	11q13.1	KAT5
ESE3 (Alias)	11p13	EHF
ESE3B (Alias)	11p13	EHF
ESEJ (Alias)	11p13	EHF
ESEL (Alias)	1q24.2	SELE
ESR2	14q23.2	ESR2 (Estrogen Receptor 2 (ER beta))
ESRB (Alias)	14q23.2	ESR2
ESR-BETA (Alias)	14q23.2	ESR2
ESRL1 (Alias)	11q13.1	ESRRA
ESRRA	11q13.1	ESRRA (estrogen-related receptor alpha)
ESRRG	1q41	ESRRG (estrogen-related receptor gamma)
EST182763 (Alias)	6p21.1	ABCC10
EST422562 (Alias)	7p21.1	ABCB5
ESTRB (Alias)	14q23.2	ESR2

ETA-1 (Alias)	4q22.1	SPP1
ETK1 (Alias)	3p11.1	EPHA3
ETK (Alias)	3p11.1	EPHA3
ETL1 (Alias)	10q23.33	LGI1
ETO (eigth twenty one) (Alias)	8q21.3	RUNX1T1
ETR-3 (Alias)	10p14	CELF2
ETR3 (Alias)	10p14	CELF2
ETS-1 (Alias)	11q24.3	ETS1
ETS1	11q24.3	ETS1 (v-ets erythroblastosis virus E26 oncogene homolog 1 (avian))
Ets-2 (Alias)	21q22.2	ETS2
Ets2 (Alias)	21q22.2	ETS2
ETS2	21q22.2	ETS2 (v-ets erythroblastosis virus E26 oncogene homolog 2 (avian))
ETS2IT1 (Alias)	21q22.2	ETS2
ETV1	7p21.2	ETV1 (ets variant 1)
ETV4	17q21.31	ETV4 (ets variant 4)
ETV6	12p13.2	ETV6 (ets variant 6)
EVEC (Alias)	14q32.12	FBLN5
EVI16 (Alias)	6p22.3	SOX4
EVI1 (Alias)	3q26.2	MECOM
EVR1 (Alias)	11q13.2	LRP5
EVR4 (Alias)	11q13.2	LRP5
EWG (Alias)	7q32.2	NRF1
EWI-2 (Alias)	1q23.2	IGSF8
EWI2 (Alias)	1q23.2	IGSF8
EWS (Alias)	22q12.2	EWSR1
EWSR1	22q12.2	EWSR1 (Ewing sarcoma breakpoint region 1)
EWSR2 (Alias)	11q24.3	ETS1
EWSR2 (Alias)	11q24.3	FLI1
EWWD (Alias)	16q12.1	ABCC11
EXIP (Alias)	6p21.31	MAPK14
EXT1	8q24.11	EXT1 (exostosin 1)
EXT2	11p11.2	EXT2 exostoses (multiple) 2
EYA2	20q13.12	EYA2 (EYA transcriptional coactivator and phosphatase 2)
Eyk (chicken) (Alias)	2q13	MERTK
EZF (Alias)	9q31.2	KLF4
EZH1 (Alias)	7q36.1	EZH2
EZH2b (Alias)	7q36.1	EZH2
EZH2	7q36.1	EZH2 (enhancer of zeste homolog 2 (Drosophila))
F23149_1 (Alias)	19q13.2	PAF1
F37 (Alias)	8p21.3	LZTS1
FA1 (Alias)	16q24.3	FANCA

FA3 (Alias)	9q22.32	FANCC
FAA3 (Alias)	3p24.1	TGFB2
FAA (Alias)	16q24.3	FANCA
FA (Alias)	16q24.3	FANCA
FAAR (Alias)	6p21.31	PPARD
FABP5	8q21.13	FABP5 (fatty acid binding protein 5 (psoriasis-associated))
FABP7	6q22.31	FABP7 (fatty acid binding protein 7, brain)
FABPB (Alias)	6q22.31	FABP7
FACA (Alias)	16q24.3	FANCA
FAC (Alias)	9q22.32	FANCC
FACC (Alias)	9q22.32	FANCC
FACD (Alias)	13q13.1	BRCA2
FACD (Alias)	3p25.3	FANCD2
FACE (Alias)	6p21.31	FANCE
Factors E12/E47 (Alias)	19p13.3	TCF3
FAD1 (Alias)	13q13.1	BRCA2
FAD2 (Alias)	3p25.3	FANCD2
FAD (Alias)	13q13.1	BRCA2
FAD (Alias)	3p25.3	FANCD2
FADK (Alias)	8q24.3	PTK2
FAE (Alias)	6p21.31	FANCE
FAF (Alias)	11p14.3	FANCF
FAG (Alias)	9p13.3	FANCG
FA-H (Alias)	16q24.3	FANCA
FAH (Alias)	16q24.3	FANCA
FAIM1 (Alias)	3q22.3	FAIM
FAIM	3q22.3	FAIM (Fas apoptotic inhibitory molecule)
FAK1 (Alias)	8q24.3	PTK2
FAK (Alias)	8q24.3	PTK2
FAM107A	3p14.3	FAM107A (family with sequence similarity 107, member A)
FAM123B (family with sequence similarity 123B) (Alias)	Xq11.2	AMER1
FAM57A	17p13.3	FAM57A (family with sequence similarity 57, member A)
FAN1 (Alias)	7p22.1	FSCN1
FANCA	16q24.3	FANCA (Fanconi anemia, complementation group A)
FANCB (Alias)	13q13.1	BRCA2
FANCC	9q22.32	FANCC (Fanconi anaemia complementation group C)
FANCD1 (Alias)	13q13.1	BRCA2
FANCD2	3p25.3	FANCD2 (Fanconi anemia, complementation group D2)
FANCD (Alias)	13q13.1	BRCA2
FANCD (Alias)	3p25.3	FANCD2
FANCE	6p21.31	FANCE (Fanconi anemia, complementation group E)
FANCF	11p14.3	FANCF (Fanconi anemia, complementation group F)

FANCG	9p13.3	FANCG (Fanconi anemia, complementation group G)
FANCH (Alias)	16q24.3	FANCA
FAP-1 (Alias)	4q21.3	PTPN13
FAP48 (Alias)	1p22.1	GLMN
FAP68 (Alias)	1p22.1	GLMN
FASCIN1 (Alias)	7p22.1	FSCN1
FAT10 (Alias)	6p22.1	UBD
FAT1	4q35.2	FAT1 (FAT tumor suppressor homolog 1 (Drosophila))
FAT (Alias)	4q35.2	FAT1
FAU1 (Alias)	11q13.1	FAU
FAU	11q13.1	FAU (Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed)
FB1 (Alias)	19q13.42	TFPT
FBI-1 (Alias)	19p13.3	ZBTB7A
FBI1 (Alias)	19p13.3	ZBTB7A
FBLN1	22q13.31	FBLN1 (fibulin 1)
FBLN3 (Alias)	2p16.1	EFEMP1
FBLN5	14q32.12	FBLN5 (fibulin 5)
FBLN (Alias)	22q13.31	FBLN1
FBNL (Alias)	2p16.1	EFEMP1
FBP17 (Formin Binding Protein 17) (Alias)	9q34.11	FNBP1
FBP (Alias)	1p31.1	FUBP1
FBRSL2 (Alias)	7q11.22	AUTS2
FBW1A (Alias)	10q24.32	BTRC
FBX11 (Alias)	2p16.3	FBXO11
FBX14 (Alias)	16q24.2	FBXO31
Fbx31 (Alias)	16q24.2	FBXO31
FBX31 (Alias)	16q24.2	FBXO31
FBXO11	2p16.3	FBXO11 (F-box protein 11)
FBXO14 (Alias)	16q24.2	FBXO31
FBXO31	16q24.2	FBXO31 (F-box protein 31)
FBXW1A (Alias)	10q24.32	BTRC
FBXW1 (Alias)	10q24.32	BTRC
FCC1 (Alias)	2p21	MSH2
FCC2 (Alias)	3p22.2	MLH1
FCE2 (Alias)	19p13.2	FCER2
FCER2	19p13.2	FCER2 (Fc fragment of IgE, low affinity II, receptor for (CD23))
FCG2 (Alias)	1q23.3	FCGR2B
FCGR2 (Alias)	1q23.3	FCGR2B
FCGR2B	1q23.3	FCGR2B (Fc fragment of IgG, low affinity IIb, receptor (CD32))

FCHL1 (Alias)	1q23.3	USF1
FCHL (Alias)	1q23.3	USF1
FEG-1 (Alias)	7p22.3	GPER1
FEL (Alias)	4q21.3	AFF1
FEN-1 (Alias)	11q12.2	FEN1
FEN1	11q12.2	FEN1 (flap structure-specific endonuclease 1)
FETA (Alias)	4q13.3	AFP
FEZ1 (Alias)	8p21.3	LZTS1
FFDD3 (Alias)	2q37.3	TWIST2
FGA7 (Alias)	4q28	FGA7
FGA7	4q28	FGA7 (Fused Gene 7 to AML1)
FGF-1 (Alias)	5q31.3	FGF1
FGF1	5q31.3	FGF1 (fibroblast growth factor 1 (acidic))
FGF-2 (Alias)	4q28.1	NUDT6
FGF2AS (Alias)	4q28.1	NUDT6
FGF2	4q27	FGF2 (fibroblast growth factor 2 (basic))
FGF-8 (Alias)	10q24.32	FGF8
FGF8	10q24.32	FGF8 (fibroblast growth factor 8 (androgen-induced))
FGFA (Alias)	5q31.3	FGF1
FGF-alpha (Alias)	5q31.3	FGF1
FGF-AS (Alias)	4q28.1	NUDT6
FGFB (Alias)	4q27	FGF2
FGFBR (FGFb receptor) (Alias)	8p11.23	FGFR1
FGFR1	8p11.23	FGFR1 (Fibroblast Growth Factor Receptor 1)
FGFR1OP	6q27	FGFR1OP (FGFR1 oncogene partner)
FGFR2	10q26.13	FGFR2 (fibroblast growth factor receptor 2)
FGFR3	4p16.3	FGFR3 (Fibroblast Growth Factor Receptor 3)
FGFR4	5q35.2	FGFR4 (fibroblast growth factor receptor 4)
FH	1q43	FH (fumarate hydratase).
FHH (Alias)	3q21.1	CASR
FHIT	3p14.2	FHIT (Fragile Histidine Triad)
FHL-2 (Alias)	2q12.1	FHL2
FHL2	2q12.1	FHL2 (four and a half LIM domains 2)
FIBL-1 (Alias)	22q13.31	FBLN1
FIBL-3 (Alias)	2p16.1	EFEMP1
FIBL-5 (Alias)	14q32.12	FBLN5
FIGC (Alias)	2p11.2	KCMF1
FIGF	Xp22.2	FIGF (c-fos induced growth factor (vascular endothelial growth factor D))

FIH (Alias)	3q21.1	CASR
FIM2 (Alias)	5q32	CSF1R
FIM (fused in myeloproliferative disorders). (Alias)	13q12.11	ZMYM2
FINB (Alias)	6p24.3	RREB1
Fisp12 (Alias)	6q23.2	CTGF
FKBP16 (Alias)	11q13.2	AIP
FKBP37 (Alias)	11q13.2	AIP
FKBP38 (Alias)	19p13.11	FKBP8
FKBP51 (Alias)	6p21.31	FKBP5
FKBP54 (Alias)	6p21.31	FKBP5
FKBP5	6p21.31	FKBP5 (FK506 binding protein 5)
FKBP8	19p13.11	FKBP8 (FK506 binding protein 8, 38kDa)
FKBPr38 (Alias)	19p13.11	FKBP8
FKH1 (Alias)	13q14.11	FOXO1
FKHL15 (Alias)	9q22.33	FOXE1
FKHL16 (Alias)	12p13.33	FOXM1
FKHL5 (Alias)	16q24.1	FOXF1
FKHL7 (Alias)	6p25.3	FOXC1
FKHR (Alias)	13q14.11	FOXO1
FKHRL1 (forkhead homolog rhabdomyosarcoma like 1) (Alias)	6q21	FOXO3
FLAME-1 (Alias)	2q33.1	CFLAR
FLAME1 (Alias)	2q33.1	CFLAR
FLAME (Alias)	2q33.1	CFLAR
FLCL (Alias)	17p11.2	FLCN
FLCN	17p11.2	FLCN (folliculin gene)
FLG (FMS-like gene) (Alias)	8p11.23	FGFR1
FLI1	11q24.3	FLI1 (Friend leukemia virus integration 1)
FLICE (Alias)	2q33.1	CASP8
FLIP (Alias)	2q33.1	CFLAR
FLJ00034 (Alias)	19q13.33	SCAF1
FLJ00245 (Alias)	10q22.1	PSAP
FLJ10169 (Alias)	17q23.2	TBX2
FLJ10385 (Alias)	17p13.1	WRAP53
FLJ10517 (Alias)	1q31.3	ASPM
FLJ10549 (Alias)	1q31.3	ASPM
FLJ10582 (Alias)	3q22.3	FAIM
FLJ10768 (Alias)	11q24.3	ETS1
FLJ10773 (Alias)	1q42.12	ENAH
FLJ10796 (Alias)	12q24.33	CHFR
FLJ10942 (Alias)	2p21	EML4
FLJ11123 (Alias)	19q13.2	PAF1
FLJ11259 (Alias)	12q23.2	DRAM1
FLJ12015 (Alias)	8q22.3	BAALC
FLJ12176 (Alias)	16q23.1	BCAR1
FLJ12388 (Alias)	11q13.4	NEU3
FLJ12850 (Alias)	3q13.13	KIAA1524
FLJ13159 (Alias)	6q13	SMAP1

FLJ13161 (Alias)	13q12.11	LATS2
FLJ13449 (Alias)	13q31.1	POU4F1
FLJ14027 (Alias)	19p13.11	CRTCI
FLJ14031 (Alias)	20q13.2	ZNF217
FLJ14295 (Alias)	8p22	MTUS1
FLJ14303 (Alias)	19p13.2	MUC16
FLJ14393 (Alias)	3q11.2	MINA
FLJ14651 (Alias)	1q21.1	PIAS3
FLJ16023 (Alias)	1q41	ESRRG
FLJ16293 (Alias)	19p13.2	DNMT1
FLJ16340 (Alias)	7q22.3	HBPI
FLJ16467 (Alias)	15q15.1	TYRO3
FLJ16517 (Alias)	6q16.3	LIN28B
FLJ16691 (Alias)	12q24.23	PXN
FLJ20063 (Alias)	3q21.2	MUC13
FLJ20180 (Alias)	16q12.1	CYLD
FLJ20276 (Alias)	9p22.2	SH3GL2
FLJ20359 (Alias)	7p22.3	CYP2W1
FLJ20495 (Alias)	20q13.13	BCAS4
FLJ20648 (Alias)	1p36.33	MIB2
FLJ20940 (Alias)	17q12	PPP1R1B
FLJ21080 (Alias)	1q44	SMYD3
FLJ21120 (Alias)	8p22	DLC1
FLJ21437 (Alias)	13Q14	LIN00598
FLJ21882 (Alias)	3p12.3	ROBO1
FLJ22282 (Alias)	17p13.3	FAM57A
FLJ22402 (Alias)	15q24.2	NEIL1
FLJ22418 (Alias)	1p13.1	VTCN1
FLJ22477 (Alias)	16q24.2	FBXO31
FLJ22588 (Alias)	1p13.2	BCL2L15
FLJ22623 (Alias)	3q21.1	HSPBAP1
FLJ22986 (Alias)	11q13.1	FAU
FLJ23283 (Alias)	20q11.21	PLAGL2
FLJ23316 (Alias)	1q31.2	CDC73
FLJ23544 (Alias)	Xq28	RPL10
FLJ23693 (Alias)	2q31.2	PDE11A
FLJ23711 (Alias)	7q34	HIPK2
FLJ23741 (Alias)	3p13	FOXPI
FLJ25015 (Alias)	9p22.2	SH3GL2
FLJ25385 (Alias)	1q32.1	ADIPOR1
FLJ26106 (Alias)	9q33.3	HSPA5
FLJ26504 (Alias)	1q21.3	SHC1
FLJ26626 (Alias)	5p13.1	DAP2IP
FLJ26963 (Alias)	11p15.1	HTATIP2
FLJ26981 (Alias)	15q11.2	UBE3A
FLJ27072 (Alias)	Xq28	RPL10
FLJ30158 (Alias)	3p14.3	FAM107A
FLJ31037 (Alias)	9q21.33	CTSL
FLJ31163 (Alias)	14q32.2	MEG3
FLJ31664 (Alias)	16q12.1	CYLD
FLJ31745 (Alias)	7q22.1	CUX1
FLJ32318 (Alias)	2p21	EML4

FLJ33325 (Alias)	11q23.3	THY1
FLJ34666 (Alias)	19q13.33	ATF5
FLJ34863 (Alias)	3p21.31	SEMA3B
FLJ35406 (Alias)	3p21.1	BAP1
FLJ36302 (Alias)	21q22.11	TIAM1
FLJ36569 (Alias)	17q22	MSI2
FLJ36745 (Alias)	1p13.2	SLC16A1
FLJ37180 (Alias)	3p21.1	BAP1
FLJ37385 (Alias)	13q13.1	STARD13
FLJ37633 (Alias)	18p11.31	EPB41L3
FLJ37886 (Alias)	17p13.2	MYBBP1A
FLJ38135 (Alias)	15q15.1	PLCB2
FLJ38511 (Alias)	7p22.1	FSCN1
FLJ38568 (Alias)	Xq21.1	BRWD3
FLJ38569 (Alias)	6q13	CD109
FLJ39120 (Alias)	17q21.1	GSDMA
FLJ39786 (Alias)	19p13.2	SMARCA4
FLJ39787 (Alias)	1p36.33	MIB2
FLJ39827 (Alias)	Xq11.2	AMER1
FLJ40431 (Alias)	1p13.3	VAV3
FLJ40906 (Alias)	1p34.3	RSPO1
FLJ41122 (Alias)	9q21.32	HNRNPK
FLJ41744 (Alias)	9q34.11	ENG
FLJ41954 (Alias)	21q22.3	TMPRSS2
FLJ41966 (Alias)	6q13	CD109
FLJ42245 (Alias)	6q13	SMAP1
FLJ42464 (Alias)	1q32.1	ADIPOR1
FLJ42589 (Alias)	14q32.2	MEG3
FLJ42780 (Alias)	5p15.2	TRIO
FLJ43117 (Alias)	1q31.3	ASPM
FLJ44809 (Alias)	1p36.22	MTOR
FLJ45059 (Alias)	16q23.1	BCAR1
FLJ45473 (Alias)	3p14.3	FAM107A
FLJ45758 (Alias)	16p13.3	DNAJA3
FLJ51761 (Alias)	6p24.3	TFAP2A
FLJ53078 (Alias)	17q22	SRSF1
FLJ58702 (Alias)	15q22.31	KIAA0101
FLJ77253 (Alias)	21q11.2	NRIP1
FLJ78302 (Alias)	3p21.31	CCR2
FLJ78684 (Alias)	16q12.1	CYLD
FLJ90327 (Alias)	2q23.3	RPRM
FLJ90335 (Alias)	10q22.2	KAT6B
FLJ90771 (Alias)	11q12.1	APLNR
FLJ93447 (Alias)	4q35.1	SORBS2
FLJ94509 (Alias)	1p22.1	GFII
FLJ98106 (Alias)	5p13.1	LIFR
FLJ99923 (Alias)	5p13.1	LIFR
FLK2 (Fetal liver kinase 2) (Alias)	13q12.2	FLT3
FLRG (Alias)	19p13.3	FSTL3
FLS353 (Alias)	20q11.21	TPX2
FLT2 (FMS-like tyrosine kinase 2) (Alias)	8p11.23	FGFR1
FLT3	13q12.2	FLT3 (FMS-like tyrosine kinase 3)

FLU (Alias)	3p21.31	ZMYND10
FMLP (Alias)	19q13.41	FPR1
FMS (Alias)	5q32	CSF1R
FNBP1	9q34.11	FNBP1 (Formin Binding Protein 17)
FNIP1	5q31.1	FNIP1 (folliculin interacting protein 1)
Folliculin (Alias)	17p11.2	FLCN
FOP (Alias)	2q24.1	ACVR1
FOP (Fibroblast Growth Factor Receptor 1 Oncogene Partner) (Alias)	6q27	FGFR1OP
FOR (Alias)	16q23.1	WWOX
FOSL1	11q13.1	FOSL1 (FOS-like antigen 1)
FOXA1	14q21.1	FOXA1 (forkhead box A1)
FOXC1	6p25.3	FOXC1 (forkhead box C1)
FOXE1	9q22.33	FOXE1 (forkhead box E1 (thyroid transcription factor 2))
FOXE2 (Alias)	9q22.33	FOXE1
FOXF1	16q24.1	FOXF1 (forkhead box F1)
FOXM1B (Alias)	12p13.33	FOXM1
FOXM1	12p13.33	FOXM1 (forkhead box M1)
FOXO1A (Alias)	13q14.11	FOXO1
FOXO1	13q14.11	FOXO1 (Forkhead box O1)
FOXO3	6q21	FOXO3 (forkhead box O3A)
FOXO4 (Alias)	Xq13.1	FOXO4
FOXO4	Xq13.1	FOXO4 (myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 7)
FOXP1	3p13	FOXP1 (Forkhead box P1)
FOXP3	Xp11.23	FOXP3 (forkhead box P3)
FOXQ1	6p25.3	FOXQ1 (forkhead box Q1)
FP504 (Alias)	14q32.2	MEG3
FPG1 (Alias)	15q24.2	NEIL1
FPGH (Alias)	8q12.3	GGH
FPP (Alias)	5q35.2	MSX2
FPR1	19q13.41	FPR1 (formyl peptide receptor 1)
FPR (Alias)	19q13.41	FPR1
FR2BP (Alias)	12p13.32	C12orf5
FRA1 (Alias)	11q13.1	FOSL1
FRA (Alias)	11q13.1	FOSL1
FR (Alias)	17q21.31	SLC4A1

FRAP1 (Alias)	1p36.22	MTOR
FRAP2 (Alias)	1p36.22	MTOR
FRAP (Alias)	1p36.22	MTOR
FREAC1 (Alias)	16q24.1	FOXF1
FREAC-3 (Alias)	6p25.3	FOXC1
FREAC3 (Alias)	6p25.3	FOXC1
FRE (Alias)	2q32.1	FRZB
FRITZ (Alias)	2q32.1	FRZB
FRNK (Alias)	8q24.3	PTK2
FRP1 (Alias)	3q23	ATR
FRP-2 (Alias)	4q31.3	SFRP2
FRP-3 (Alias)	2q32.1	FRZB
FRP-4 (Alias)	7p14.1	SFRP4
FRP (Alias)	2q32.1	FRZB
FRPHE (Alias)	7p14.1	SFRP4
FRYL	4p11	FRYL (FRY-like)
FRZB-1 (Alias)	2q32.1	FRZB
FRZB1 (Alias)	2q32.1	FRZB
FRZB	2q32.1	FRZB (frizzled-related protein)
FRZB-PEN (Alias)	2q32.1	FRZB
FS (Alias)	5q11.2	FST
FSCN1	7p22.1	FSCN1 (fascin homolog 1, actin-bundling protein (Strongylocentrotus purpuratus))
FSGS1 (Alias)	19q13.2	ACTN4
FSGS (Alias)	19q13.2	ACTN4
FSP1 (Alias)	1q21.3	S100A4
FSRP (Alias)	19p13.3	FSTL3
FST	5q11.2	FST (follistatin)
FSTL3	19p13.3	FSTL3 (follistatin-like 3 (secreted glycoprotein))
F-TCF (Alias)	7q21.11	HGF
FTZ1 (Alias)	9q33.3	NR5A1
FTZF1 (Alias)	9q33.3	NR5A1
Fub1 (Alias)	11q13.1	FAU
Fubi (Alias)	11q13.1	FAU
FUBP1	1p31.1	FUBP1 (far upstream element (FUSE) binding protein 1)
FUBP (Alias)	1p31.1	FUBP1
FUR (Alias)	15q26.1	FURIN
FURIN	15q26.1	FURIN (furin (paired basic amino acid cleaving enzyme))
FUS2 (Alias)	3p21.31	HYAL1
FUS	16p11.2	FUS (fusion involved in t (12;16) in malignant liposarcoma)
FUT8	14q23.3	FUT8 (fucosyltransferase 8 (alpha (1,6) fucosyltransferase))
Fwd1 (Alias)	10q24.32	BTRC
FWD1 (Alias)	10q24.32	BTRC

FXR (Alias)	12q23.1	NR1H4
FXYD3	19q13.12	FXYD3 (FXYD domain containing ion transport regulator 3)
FXYD5	19q13.12	FXYD5 (FXYD domain containing ion transport regulator 5)
FZRB (Alias)	2q32.1	FRZB
G0S30 (Alias)	5q31.2	EGR1
G0S8 (Alias)	1q31.2	RGS2
G15 (Alias)	3p21.31	RBM5
G17P1 (Alias)	17q23.3	DDX5
G22P1 (Alias)	22q13.2	XRCC6
G25K (Alias)	1p36.12	CDC42
G344 (Alias)	11p13	CD59
G6 (Alias)	6p21.33	CLIC1
G9A (Alias)	6p21.33	EHMT2
GA11 (Alias)	19p13.3	GNA11
Ga55 (Alias)	8p11.22	TACCI
GA733-2 (Alias)	2p21	EPCAM
GAAD (Alias)	17q21.33	NME1
GAB2	11q14.1	GAB2 (GRB2-associated binding protein 2)
GABBR1 (Alias)	6p22.1	UBD
GADD153 (Growth arrest and DNA damage inducible gene 153) (Alias)	12q13.3	DDIT3
GADD45A	1p31.3	GADD45A (growth arrest and DNA-damage-inducible, alpha)
GADD45 (Alias)	1p31.3	GADD45A
GADD45GIP1	19p13.2	GADD45GIP1 (growth arrest and DNA-damage-inducible, gamma interacting protein 1)
GAL3 (Alias)	14q22.3	LGALS3
GALBP (Alias)	14q22.3	LGALS3
GALIG (Alias)	14q22.3	LGALS3
GalNAcT6 (Alias)	12q13.13	GALNT6
GALNAC-T6 (Alias)	12q13.13	GALNT6
GALNT6	12q13.13	GALNT6 (UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6 (GalNAc-T6))
G-ALPHA-h (Alias)	20q11.23	TGM2
G-ALPHA-q (Alias)	9q21.2	GNAQ
GAOB1 (Alias)	17q23.2	BCAS3
GAQ (Alias)	9q21.2	GNAQ
GAS5	1q25.1	GAS5 (growth arrest-specific 5 (non-protein coding))
GAS7	17p13.1	GAS7 (growth arrest-specific 7)
GAS (Alias)	17q21.2	GAST
GASC1 (Gene amplified in squamous cell carcinoma 1) (Alias)	9p24.1	KDM4C
GAST	17q21.2	GAST (gastrin)

GAT8 (Alias)	6p21.33	EHMT2
GATA1	Xp11.23	GATA1 (GATA binding protein 1 (globin transcription factor1))
GATA2	3q21.3	GATA2 (GATA binding protein 2)
GATA 3 binding protein (Alias)	1p36.21	PRDM2
GATA3	10p14	GATA3 (GATA binding protein 3)
GATA-6 (Alias)	18q11.2	GATA6
GATA6	18q11.2	GATA6 (GATA binding protein 6)
GBF (Alias)	10p15.1	KLF6
GBP-1 (Alias)	1p22.2	GBP1
GBP1	1p22.2	GBP1 (guanylate binding protein 1, interferon-inducible, 67kDa)
GBP (Alias)	15q23	PIAS1
GC1 (Alias)	13q14.3	OLFM4
GC4 (Alias)	8q24.22	NDRG1
GC-C (Alias)	12p12.3	GUCY2C
GCNT3	15q22.2	GCNT3 (glucosaminyl (N-acetyl) transferase 3, mucin type)
GdA (Alias)	9q34.3	PAEP
GD (Alias)	9q34.3	PAEP
GD:C20orf1 (Alias)	20q11.21	TPX2
GDF15	19p13.11	GDF15 (growth differentiation factor 15)
GdF (Alias)	9q34.3	PAEP
GdS (Alias)	9q34.3	PAEP
GEF (Alias)	1q22	ARHGEF2
GEF-H1 (Alias)	1q22	ARHGEF2
GEFH1 (Alias)	1q22	ARHGEF2
GELB (Gelatinase B) (Alias)	20q13.12	MMP9
GENE-33 (Alias)	1p36.23	ERRFI1
GEP (Alias)	17q21.31	GRN
GF1 (Alias)	Xp11.23	GATA1
GFI-1 (Alias)	1p22.1	GFI1
GFI1B	9q34.13	GFI1B (growth factor independent 1B transcription repressor)
GFI1	1p22.1	GFI1 (growth factor independent 1 transcription repressor)
GFRP1 (Alias)	12q13.13	NR4A1
GGAP2 (Alias)	12q14.1	AGAP2
GGH	8q12.3	GGH (gamma-glutamyl hydrolase (conjugase, foylpolymagglutamyl hydrolase))
GH (Alias)	8q12.3	GGH
GHAP (Alias)	5q14.2	VCAN
GHF-1 (Alias)	3p11.2	POU1F1
GHRL	3p25.3	GHRL (ghrelin/obestatin prepropeptide)
Gicerin (Alias)	11q23.3	MCAM

GIF (Alias)	22q11.23	MIF
GIG1 (Alias)	1p22.3	CYR61
GIG2 (Alias)	12p13.31	CD9
GIG8 (Alias)	2p25.1	ID2
GITRL (Alias)	1q25.1	TNFSF18
GKLF (Alias)	9q31.2	KLF4
GL002 (Alias)	11q13.5	C11orf30
GLBA (Alias)	10q22.1	PSAP
GLI1	12q13.3	GLI1 (glioma-associated oncogene homolog 1)
GLI2	2q14.2	GLI2 (GLI family zinc finger 2)
GLI (Alias)	12q13.3	GLI1
GLIF (Alias)	22q11.23	MIF
GLIO703 (Alias)	5q31.3	FGF1
Glioma associated extracellular matrix antigen (Alias)	9q33.1	TNC
Glioma-associated oncogene homolog 1 (Alias)	12q13.3	GLI1
GLIS2	16p13.3	GLIS2 (GLIS family zinc finger 2)
GLM3 (Alias)	13q13.1	BRCA2
GLMN (Alias)	1p22.1	GLMN
GLMN	1p22.1	GLMN (Glomulin)
GLTSCR2	19q13.33	GLTSCR2 (glioma tumor suppressor candidate region gene 2)
GLY96 (Alias)	6p21.33	IER3
Glycogen synthase kinase 3 beta-interacting protein (Alias)	14q22.1	NIN
Glypican-3 (GPC3) (Alias)	Xq26.2	GPC3
GMEM (Alias)	9q33.1	TNC
GMPS	3q25.31	GMPS (guanine monphosphate synthetase)
GMPS-PEN (Alias)	3q25.31	GMPS
GNA-11 (Alias)	19p13.3	GNA11
GNA11	19p13.3	GNA11 (guanine nucleotide binding protein (G protein), alpha 11 (Gq class))
GNAH (Alias)	20q11.23	TGM2
GNAQ	9q21.2	GNAQ (guanine nucleotide binding protein (G protein), q polypeptide)
GNAS1 (Alias)	20q13.32	GNAS
GNAS	20q13.32	GNAS (GNAS complex locus)
GNB2L1	5q35.3	GNB2L1 (guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1)
Gnb2-rs1 (Alias)	5q35.3	GNB2L1
GNRP (Alias)	15q25.1	RASGRF1
GnT-M (Alias)	15q22.2	GCNT3
GOLIM6 (Alias)	7q22.1	CUX1

GP11 (Alias)	1q21.3	S100A10
GP145-TrkB (Alias)	9q21.33	NTRK2
GP (150-225) (Alias)	9q33.1	TNC
GP27 (Alias)	11p15.5	CD151
GP78 (Alias)	16q12.2	AMFR
GP88 (Alias)	17q21.31	GRN
GPA33	1q24.1	GPA33 (glycoprotein A33 (transmembrane))
GPC1	2q37.3	GPC1 (glypican 1)
GPC3	Xq26.2	GPC3 (glypican 3)
GPC5	13q31.3	GPC5 (glypican 5)
GPCR5A (Alias)	12p13.1	GPCR5A
GPCR-Br (Alias)	7p22.3	GPER1
GPER1	7p22.3	GPER1 (G protein-coupled estrogen receptor 1)
GPER (Alias)	7p22.3	GPER1
GPHN	14q23.3	GPHN (Gephyrin)
GPHRYN (Alias)	14q23.3	GPHN
GPNMB	7p15.3	GPNMB (glycoprotein (transmembrane) nmb)
GPR12A (Alias)	14q32.11	GPR68
GPR26 (Alias)	9q31.3	LPAR1
GPR28 (Alias)	3p21.31	CCR9
GPR30 (Alias)	7p22.3	GPER1
GPR68	14q32.11	GPR68 (G protein-coupled receptor 68)
GPR-9-6 (Alias)	3p21.31	CCR9
GPR9 (Alias)	Xq13.1	CXCR3
GPRC1A (Alias)	6q24.3	GRM1
GPRC2A (Alias)	3q21.1	CASR
GPCR5A	12p13.1	GPCR5A (G protein-coupled receptor, family C, group 5, member A)
GPRN159 (Alias)	2q37.3	ACKR3
G protein-coupled receptor (Alias)	2q37.3	ACKR3
G protein-coupled receptor RDC1 homolog (Alias)	2q37.3	ACKR3
GPSA (Alias)	20q13.32	GNAS
GPX1	3p21.31	GPX1 (Glutathione Peroxidase 1)
GPXD (Alias)	3p21.31	GPX1
GR15 (Alias)	11p11.2	CD82
GR3 (Alias)	9q22.2	SEMA4D
GRAF-1EF (Alias)	6q13	EEF1A1
GRAF (GTPase activating protein for Rho associated with FAK) (Alias)	5q31.3	ARHGAP26
Gravin (Alias)	6q25.1	AKAP12
GRB10	7p12.1	GRB10 (growth factor receptor-bound protein 10)

GRB1 (Alias)	5q13.1	PIK3R1
GRB2	17q25.1	GRB2 (Growth factor receptor-bound protein 2)
Grb3-3 (Alias)	17q25.1	GRB2
Grb-IR (Alias)	7p12.1	GRB10
GREB1	2p25.1	GREB1 (growth regulation by estrogen in breast cancer 1)
GRF1 (Alias)	15q25.1	RASGRF1
GRF2 (Alias)	9q34.13	RAPGEF1
GRF55 (Alias)	15q25.1	RASGRF1
GRM1	6q24.3	GRM1 (glutamate receptor, metabotropic 1)
GRN	17q21.31	GRN (Granulin)
GROEL (Alias)	2q33.1	HSPD1
GRP78 (Alias)	9q33.3	HSPA5
GRPR	Xp22.2	GRPR (Gastrin-Releasing Peptide Receptor)
GRTH (Alias)	11q24.2	DDX25
GRTH (Alias)	3p24.2	THRB
GSA (Alias)	20q13.32	GNAS
GSDM1 (Alias)	17q21.1	GSDMA
GSDMA	17q21.1	GSDMA (gasdermin A)
GSDM (Alias)	17q21.1	GSDMA
GSDMB	17q12	GSDMB (gasdermin B)
GSDML (Alias)	17q12	GSDMB
GSF (Alias)	13q12.2	PDX1
GSHPX1 (Alias)	3p21.31	GPX1
GSK3B	3q13.33	GSK3B (glycogen synthase kinase 3 beta)
GSK3B-interacting protein (Alias)	14q22.1	NIN
Gsp1 (Alias)	12q24.33	RAN
GSP (Alias)	20q13.32	GNAS
GST2 (Alias)	6p12.2	GSTA1
GSTA1-1 (Alias)	6p12.2	GSTA1
GSTA1	6p12.2	GSTA1 (glutathione S-transferase alpha 1)
GT650 (Alias)	13q13.1	STARD13
GTBP (Alias)	2p16.3	MSH6
GTD (Alias)	Xp21.2	NR0B1
GTH1 (Alias)	6p12.2	GSTA1
GTL2 (Alias)	14q32.2	MEG3
GTP-GDP dissociation stimulator 1 (Alias)	4q23	RAP1GDS1
GTR2-2 (Alias)	Xq26.2	GPC3
GUC2C (Alias)	12p12.3	GUCY2C
GUCY2C	12p12.3	GUCY2C (guanylate cyclase 2C (heat stable enterotoxin receptor))
GU/RH-II (Alias)	15q23	PIAS1
GW112 (Alias)	13q14.3	OLFM4

Gx (Alias)	22q13.1	RAC2
GX (Alias)	22q13.1	RAC2
GZMA	5q11.2	GZMA (granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3))

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