

nCounter® Tumor Signaling 360 Panel - Gene and Probe Details				
Official Symbol	Accession	Alias / Previous Symbol	Official Full Name	Other targets or isoform information
ABCC1	NM_004996.3	MRP,MRP1;multidrug resistance associated protein 1,ATP-binding cassette, sub-family C (CFTR/MRP), member 1	ATP binding cassette subfamily C member 1	
ABCC2	NM_00105515.2	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	ATP binding cassette subfamily C member 4	
ABCG2	NM_001257386.1	ATP-binding cassette, sub-family G (WHITE), member 2 (Junior blood group)	ATP binding cassette subfamily G member 2 (Junior blood group)	
ABI1	NM_001012750.2	SSH3BP1;spectrin SH3 domain binding protein 1,abl-interactor 1	abl interactor 1	
ABL1	NM_005157.5	ABL,v-abl Abelson murine leukemia viral oncogene homolog 1,c-abl oncogene 1, receptor tyrosine kinase,c-abl oncogene 1, non-receptor tyrosine kinase	ABL proto-oncogene 1, non-receptor tyrosine kinase	
ACKR2	NM_001296.5	CKMR89,CCBP2;chemokine binding protein 2	atypical chemokine receptor 2	
ACKR3	NM_020311.3	CKMOR1,CXCR7;chemokine orphan receptor 1,chemokine (C-X-C motif) receptor 7	atypical chemokine receptor 3	
ACOT12	NM_130767.2		acyl-CoA thioesterase 12	
ACSL3	NM_203372.1	FACL3,fatty-acid-Coenzyme A ligase, long-chain 3	acyl-CoA synthetase long chain family member 3	
ACTG2	NM_001199893.1	ACT13,ACTA3;actin, gamma 2, smooth muscle, enteric	actin gamma 2, smooth muscle	
ADH1A	NM_000667.3	ADH1	alcohol dehydrogenase 1A (class I), alpha polypeptide	
ADM	NM_001124.2		adrenomedullin	
ADORA2A	NM_000675.5	ADORA2	adenosine A2a receptor	
ADORA2B	NM_000676.2		adenosine A2b receptor	
AGO2	NM_012154.5	EIF2C2,CASC7;eukaryotic translation initiation factor 2C, 2,cancer susceptibility candidate 7 (non-protein coding)	argonate RISC catalytic component 2	
AGO4	NM_017629.4	EIF2C4;eukaryotic translation initiation factor 2C, 4, argonaute RISC catalytic component 4	argonate RISC component 4	
AIMP2	NM_006303.3		aminoacyl tRNA synthetase complex interacting multifunctional protein 2	
AKT1	NM_005163.2	v-akt murine thymoma viral oncogene homolog 1	AKT serine/threonine kinase 1	
AKT1S1	NM_032375.5	AKT1 substrate 1 (proline-rich)	AKT1 substrate 1	
AKT2	NM_001626.4	v-akt murine thymoma viral oncogene homolog 2	AKT serine/threonine kinase 2	
AKT3	NM_001206729.1	v-akt murine thymoma viral oncogene homolog 3	AKT serine/threonine kinase 3	
ALDH1A3	NM_000693.2	ALDH6;aldehyde dehydrogenase 1 family, member A3	aldehyde dehydrogenase 1 family member A3	
ALDOA	NM_000034.3	aldolase A, fructose-bisphosphate	aldolase, fructose-bisphosphate A	LOC112694756
ALK	NM_004304.4	anaplastic lymphoma kinase (Ki-1),anaplastic lymphoma receptor tyrosine kinase	ALK receptor tyrosine kinase	(NM_001365307;NM_001365304;NM_001365305)
AMOTL2	NM_016201.4		angiominin like 2	
ANGPT2	NM_001147.2		angiopoietin 2	
APC	NM_001127510.2	adenomatosis polyposis coli,adenomatous polyposis coli,APC,WNT signaling pathway regulator	APC regulator of WNT signaling pathway	
AR	NM_000044.6	DHTR,SBMA;dihydrotestosterone receptor,spinal and bulbar muscular atrophy	androgen receptor	
ARG1	NM_000045.3	arginase, liver	arginase 1	
ARID1A	NM_006015.4	C1orf4,SMARCF1,SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily f, member 1,AT rich interactive domain 1A (SWI-like),AT rich interactive domain 1A (SWI-like)	AT-rich interaction domain 1A	
ARID1B	NM_020732.3	AT rich interactive domain 1B (SWI1-like)	AT-rich interaction domain 1B	
ARID2	NM_152641.4	AT rich interactive domain 2 (ARID, RFX-like)	AT-rich interaction domain 2	
ARID4A	NM_023001.2	RBP11;retinoblastoma-binding protein 1,AT rich interactive domain 4A (RBP1-like)	AT-rich interaction domain 4A	
ARID4B	NM_016374.6	RBP11;retinoblastoma binding protein 1-like 1,AT rich interactive domain 4B (RBP1-like),AT rich interactive domain 4B (RBP1-like)	AT-rich interaction domain 4B	
ASH1L	NM_018489.3	ash1 (absent, small, or homeotic)-like (Drosophila)	ASH1 like histone lysine methyltransferase	
ASXL2	NM_018263.4	additional sex combs like 2 (Drosophila),additional sex combs like 2, transcriptional regulator	ASXL transcriptional regulator 2	
ATF2	NM_001880.4	CREB2;cAMP responsive element binding protein 2	activating transcription factor 2	
ATF4	NM_001675.4	TXREB;activating transcription factor 4 (tax-responsive enhancer element B67)	activating transcription factor 4	
ATF7IP	NM_018179.3		activating transcription factor 7 interacting protein	
ATG101	NM_001098673.2	C12orf44;chromosome 12 open reading frame 44	autophagy related 101	
ATG2B	NM_018036.5	C14orf103;chromosome 14 open reading frame 103,ATG2 autophagy related 2 homolog B (S. cerevisiae)	autophagy related 2B	
ATG4B	NM_013325.5	APG4B;APG4 autophagy 4 homolog B (S. cerevisiae),ATG4 autophagy related 4 homolog B (S. cerevisiae),autophagy related 4B, cysteine peptidase	autophagy related 4B cysteine peptidase	
ATM	NM_000051.3	ATA,ATDC,ATC,ATD;ataxia telangiectasia mutated (includes complementation groups A, C and D),ataxia telangiectasia mutated	ATM serine/threonine kinase	
ATOX1	NM_004045.3	ATX1 (antioxidant protein 1, yeast) homolog 1,ATX1 antioxidant protein 1 homolog (yeast)	antioxidant 1 copper chaperone	
ATP7A	NM_000052.7	MNK;Menkes syndrome,ATPase, Cu++ transporting, alpha polypeptide	ATPase copper transporting alpha	
ATR	NM_001184.3	ataxia telangiectasia and Rad3 related	ATR serine/threonine kinase	
ATRX	NM_000489.4	RAD54,JMS,MRX52;alpha thalassemia/mental retardation syndrome X-linked (RAD54 (S. cerevisiae) homolog),Juberg-Marsidi syndrome,mental retardation, X-linked 52,alpha thalassemia/mental retardation syndrome X-linked	ATRX chromatin remodeler	
ATXN7	NM_000333.3	SCA7;spinocerebellar ataxia 7 (olivopontocerebellar atrophy with retinal degeneration)	ataxin 7	
AURKA	NM_001323303.1	STK15,STK6;serine/threonine kinase 15, serine/threonine kinase 6	aurora kinase A	
AURKB	NM_001256834.2	STK12;serine/threonine kinase 12	aurora kinase B	
AXL	NM_001699.4		AXL receptor tyrosine kinase	
B2M	NM_004048.2		beta-2-microglobulin	
B4GALNT1	NM_001276469.1	GALGT,SPG26;UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosylglucosylceramide N-acetylgalactosaminyltransferase (GalNAc-T),UDP-Gal:betaGlcNAc	beta-1,4-N-acetyl-galactosaminyltransferase 1	
B4GALT1	NM_001497.3	GGTB2;UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	beta-1,4-galactosyltransferase 1	
BAD	NM_004322.3		BCL2 associated agonist of cell death	
BAX	NM_004324.3	BCL2-associated X protein,BCL2 associated X protein	BCL2 associated X, apoptosis regulator	
BCAP31	NM_001139441.1		B cell receptor associated protein 31	
BCL2	NM_000633.2	B-cell CLL/lymphoma 2,BCL2, apoptosis regulator	BCL2 apoptosis regulator	Sub-maximal transcript coverage due to non-overlapping transcripts
BCL2A1	NM_004049.3	HBP1A	BCL2 related protein A1	
BCL2L1	NM_001191.3		BCL2 like 1	
BHLHE40	NM_003670.3	STRA13,BHLHB2;basic helix-loop-helix domain containing, class B, 2,basic helix-loop-helix family, member e40	basic helix-loop-helix family member e40	
BIRC3	NM_001165.4	API2;baculoviral IAP repeat-containing 3	baculoviral IAP repeat containing 3	
BIRC5	NM_001168.2	API4;apoptosis inhibitor 4,baculoviral IAP repeat-containing 5	baculoviral IAP repeat containing 5	
BLK	NM_001330465.1	B lymphoid tyrosine kinase	BLK proto-oncogene, Src family tyrosine kinase	
BLM	NM_000057.3	Bloom syndrome,Bloom syndrome RecQ like helicase	BLM RecQ like helicase	
BMPRI1A	NM_004329.2	ACVRLK3;bone morphogenetic protein receptor, type IA	bone morphogenetic protein receptor type 1A	
BMPRI2	NM_001204.7	PPH1;primary pulmonary hypertension 1,bone morphogenetic protein receptor, type II (serine/threonine kinase),bone morphogenetic protein receptor type II	bone morphogenetic protein receptor type 2	
BRAF	NM_004333.6	v-raf murine sarcoma viral oncogene homolog B	B-Raf proto-oncogene, serine/threonine kinase	
BRCA1	NM_007294.3	breast cancer 1, early onset,breast cancer 1	BRCA1 DNA repair associated	
BRCA2	NM_000059.3	FANCD1,FACD,FANCD;Fanconi anemia, complementation group D1,breast cancer 2, early onset,breast cancer 2	BRCA2 DNA repair associated	
BRIP1	NM_032043.2		BRCA1 interacting protein C-terminal helicase 1	
BRMS1	NM_015399.4	breast cancer metastasis suppressor 1	BRMS1 transcriptional repressor and anokis regulator	
BTK	NM_001287345.1	AGMX1,IMD1;Bruton agammaglobulinemia tyrosine kinase	Bruton tyrosine kinase	
BUB1	NM_004336.3	BUB1L;budding uninhibited by benzimidazoles 1 (yeast homolog),budding uninhibited by benzimidazoles 1 homolog (yeast)	BUB1 mitotic checkpoint serine/threonine kinase	
BUB1B	NM_001211.4	budding uninhibited by benzimidazoles 1 (yeast homolog), beta,budding uninhibited by benzimidazoles 1 homolog beta (yeast)	BUB1 mitotic checkpoint serine/threonine kinase B	
BYSL	NM_004053.4	bystin-like	bystin like	
C3AR1	NM_004054.3	complement component 3a receptor 1	complement C3a receptor 1	
CA9	NM_001216.2	carbonic anhydrase IX	carbonic anhydrase 9	
CACYBP	NM_014412.2		calyculin binding protein	
CALML3	NM_005185.4	calmodulin-like 3	calmodulin like 3	
CARD11	NM_001324281.1	caspase recruitment domain family, member 11	caspase recruitment domain family member 11	
CASP3	NM_032991.2	caspase 3, apoptosis-related cysteine protease,caspase 3, apoptosis-related cysteine peptidase	caspase 3	
CAV1	NM_001753.4	CAV;caveolin 1, caveolae protein, 22kD,caveolin 1, caveolae protein, 22kDa	caveolin 1	

CBX2	NM_032647.3	CDCA6;chromobox homolog 2 (Drosophila Pc class),cell division cycle associated 6,chromobox homolog 2	chromobox 2	
CCL13	NM_005408.2	SCYA13;small inducible cytokine subfamily A (Cys-Cys), member 13,chemokine (C-C motif) ligand 13	C-C motif chemokine ligand 13	
CCL19	NM_006274.2	SCYA19;small inducible cytokine subfamily A (Cys-Cys), member 19,chemokine (C-C motif) ligand 19	C-C motif chemokine ligand 19	
CCL2	NM_002982.3	SCYA2;small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sige),chemokine (C-C motif) ligand 2	C-C motif chemokine ligand 2	
CCL21	NM_002989.2	SCYA21;small inducible cytokine subfamily A (Cys-Cys), member 21,chemokine (C-C motif) ligand 21	C-C motif chemokine ligand 21	
CCL4	NM_002984.2	LAG1,SCYA4;small inducible cytokine A4 (homologous to mouse Mip-1b),chemokine (C-C motif) ligand 4	C-C motif chemokine ligand 4	CCL4L1 (NM_207007), CCL4L2 (NM_001291471;NM_001291469;NM_001291468;NM_001291474;NM_001291475;NM_001291472;NM_001291473;NM_001291470)
CCL5	NM_002985.2	D17S136E,SCYA5;small inducible cytokine A5 (RANTES),chemokine (C-C motif) ligand 5	C-C motif chemokine ligand 5	
CENA2	NM_001237.3	CCNA,CCN1	cyclin A2	
CN81	NM_031966.2	CCNB	cyclin B1	
CN82	NM_004701.3		cyclin B2	
CND1	NM_053056.2	BCL1,D1S287E,PRAD1;cyclin D1 (PRAD1: parathyroid adenomatosis 1)	cyclin D1	
CND2	NM_001759.2		cyclin D2	
CNE1	NM_001238.1	CCNE	cyclin E1	
CNE2	NM_057735.1		cyclin E2	
CNCF	NM_001761.3		cyclin F	
CNCK	NM_003858.3		cyclin K	
CNT1	NM_001240.2	HIVE1;human immunodeficiency virus type 1 (HIV-1) expression (elevated) 1	cyclin T1	
CCR1	NM_001295.2	SCYAR1,CMKBR1;chemokine (C-C motif) receptor 1	C-C motif chemokine receptor 1	
CCR2	NM_001123041.2	CMKBR2;chemokine (C-C motif) receptor 2	C-C motif chemokine receptor 2	
CCR4	NM_005508.4	chemokine (C-C motif) receptor 4	C-C motif chemokine receptor 4	
CCR5	NM_000579.3	CMKBR5;chemokine (C-C motif) receptor 5,chemokine (C-C motif) receptor 5 (gene/pseudogene)	C-C motif chemokine receptor 5 (gene/pseudogene)	
CCR7	NM_001838.3	CMKBR7,EBI1;chemokine (C-C motif) receptor 7	C-C motif chemokine receptor 7	
CCS	NM_005125.1		copper chaperone for superoxide dismutase	
CD14	NM_001174105.1	CD14 antigen	CD14 molecule	
CD163	NM_203416.2	CD163 antigen	CD163 molecule	
CD19	NM_001770.4	CD19 antigen	CD19 molecule	
CD209	NM_021155.2	CD209 antigen	CD209 molecule	
CD22	NM_001771.2	CD22 antigen	CD22 molecule	
CD244	NM_001166663.1	natural killer cell receptor 2B4,CD244 natural killer cell receptor 2B4,CD244 molecule, natural killer cell receptor 2B4	CD244 molecule	
CD247	NM_198053.2	CD32;CD3z antigen, zeta polypeptide (TIT3 complex),CD247 antigen	CD247 molecule	
CD27	NM_001242.4	TNFRSF7;tumor necrosis factor receptor superfamily, member 7	CD27 molecule	
CD274	NM_014143.3	POCD1LG1;programmed cell death 1 ligand 1,CD274 antigen	CD274 molecule	
CD276	NM_001024736.1	CD276 antigen	CD276 molecule	
CD28	NM_001243077.1	CD28 antigen (Tp44)	CD28 molecule	
CD300A	NM_001256841.1	CD300a antigen	CD300a molecule	
CD33	NM_001177608.1	CD33 antigen (gp67)	CD33 molecule	
CD34	NM_001025109.1	CD34 antigen	CD34 molecule	
CD38	NM_0011775.2	CD38 antigen (p45)	CD38 molecule	
CD3D	NM_000732.4	T3D;CD3d antigen, delta polypeptide (TIT3 complex),CD3d molecule, delta (CD3-TCR complex)	CD3d molecule	
CD3E	NM_000733.3	CD3e antigen, epsilon polypeptide (TIT3 complex),CD3e molecule, epsilon (CD3-TCR complex)	CD3e molecule	
CD3G	NM_000073.2	CD3g antigen, gamma polypeptide (TIT3 complex),CD3g molecule, gamma (CD3-TCR complex)	CD3g molecule	
CD4	NM_000616.4	CD4 antigen (p55),T-cell surface glycoprotein CD4	CD4 molecule	
CD40	NM_001250.5	TNFRSF5;tumor necrosis factor receptor superfamily, member 5,CD40 molecule, TNF receptor superfamily member 5	CD40 molecule	
CD40LG	NM_000074.2	HIGM1,IMD3,TNFSF5;tumor necrosis factor (ligand) superfamily, member 5 (hyper-IgM syndrome)	CD40 ligand	
CD44	NM_001001392.1	MIC4,MOU2,MDU3;CD44 antigen (homing function and Indian blood group system)	CD44 molecule (Indian blood group)	
CD47	NM_001777.3	MER6;CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	CD47 molecule	
CD53	NM_000560.4	MOX44;CD53 antigen	CD53 molecule	
CD6	NM_001254751.1	CD6 antigen	CD6 molecule	
CD68	NM_001251.2	CD68 antigen	CD68 molecule	
CD80	NM_005191.3	CD28LG,CD28LG1;CD80 antigen (CD28 antigen ligand 1, B7-1 antigen),CD80 molecule	CD80 molecule	
CD84	NM_001184879.1	CD84 antigen (leukocyte antigen),CD84 molecule	CD84 molecule	
CD86	NM_001206924.1	CD28LG2;CD86 antigen (CD28 antigen ligand 2, B7-2 antigen)	CD86 molecule	
CD8A	NM_001768.6	CD8;CD8 antigen, alpha polypeptide (p32),T-cell surface glycoprotein CD8 alpha chain	CD8a molecule	
CD8B	NM_172213.2	CD8B1;CD8 antigen, beta polypeptide 1 (p37)	CD8b molecule	CD8B2 (NM_001368307;NM_001349727)
CDCC20	NM_001255.1	CDCC20 (cell division cycle 20, S. cerevisiae, homolog),CDC20 cell division cycle 20 homolog (S. cerevisiae), cell division cycle 20 homolog (S. cerevisiae)	cell division cycle 20	
CDC25A	NM_001789.2		cell division cycle 25A	
CDC25C	NM_001790.4	CDC25;CDC25	cell division cycle 25C	
CDC45	NM_080668.3		cell division cycle associated 5	
CDC48	NM_018101.3		cell division cycle associated 8	
CDCP1	NM_022842.4		CUB domain containing protein 1	
CDH1	NM_004360.3	UVO;cadherin 1, type 1, E-cadherin (epithelial)	cadherin 1	
CDH11	NM_001797.2	cadherin 11, type 2, OB-cadherin (osteoblast)	cadherin 11	
CDH5	NM_001795.3	cadherin 5, type 2, VE-cadherin (vascular epithelium),cadherin 5, type 2 (vascular endothelium)	cadherin 5	
CDK1	NM_001786.4	CDC2;cell division cycle 2, G1 to S and G2 to M	cyclin dependent kinase 1	
CDK12	NM_015083.2	CRKRS;Cdc2-related kinase, arginine/serine-rich	cyclin dependent kinase 12	
CDK2	NM_001290230.1		cyclin dependent kinase 2	
CDK4	NM_000075.3		cyclin dependent kinase 4	
CDK6	NM_001145306.1		cyclin dependent kinase 6	
CDKN1A	NM_000389.2	CDKN1;cyclin-dependent kinase inhibitor 1A (p21, Cip1)	cyclin dependent kinase inhibitor 1A	Sub-maximal transcript coverage due to non-overlapping transcripts
CDKN2A	NM_000077.4	CDKN2,MLM;cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)	cyclin dependent kinase inhibitor 2A	
CEACAM1	NM_001712.4	BGP;carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein),carcinoembryonic antigen related cell adhesion molecule 1	CEA cell adhesion molecule 1	CEACAM5 (NM_001291484;NM_004363;NM_001308398), CEACAM6 (NM_002483)
CEACAM3	NM_001277163.2	CGM1;carcinoembryonic antigen-related cell adhesion molecule 3,carcinoembryonic antigen related cell adhesion molecule 3	CEA cell adhesion molecule 3	
CENPA	NM_001809.3	centromere protein A (17kD),centromere protein A, 17kDa	centromere protein A	Sub-maximal transcript coverage due to non-overlapping transcripts
CFAR	NM_001127183.1	CASP8AP1,CASP8 and FADD-like apoptosis regulator	CASP8 and FADD like apoptosis regulator	
CGAS	NM_138441.2	C6orf150,MB21D1;chromosome 6 open reading frame 150,Mac-21 domain containing 1	cyclic GMP-AMP synthase	
CHD8	NM_020920.4	HELSNF1;helicase with SNF2 domain 1	chromodomain helicase DNA binding protein 8	
CHEK1	NM_001114122.2	CHK1 (checkpoint, S.pombe) homolog,CHK1 checkpoint homolog (S. pombe)	checkpoint kinase 1	
CHEK2	NM_001005735.1	RAD53;CHK2 (checkpoint, S.pombe) homolog,CHK2 checkpoint homolog (S. pombe)	checkpoint kinase 2	
CHMP2A	NM_198426.1	chromatin modifying protein 2A	charged multivesicular body protein 2A	
CHUK	NM_001278.4	TCF16;conserved helix-loop-helix ubiquitous kinase	component of inhibitor of nuclear factor kappa B kinase complex	
CLOCK	NM_001267843.1	clock (mouse) homolog,clock homolog (mouse)	clock circadian regulator	
CLSPN	NM_022111.2	claspin homolog (Xenopus laevis)	claspin	
CMKLR1	NM_004072.2	chemokine-like receptor 1	chemerin chemokine-like receptor 1	
COL4A1	NM_001845.4	collagen, type IV, alpha 1	collagen type IV alpha 1 chain	
COL4A2	NM_001846.2	collagen type IV alpha 2	collagen type IV alpha 2 chain	
COL6A1	NM_001848.2	collagen, type VI, alpha 1	collagen type VI alpha 1 chain	
COL6A2	NM_001849.3	collagen type VI alpha 2	collagen type VI alpha 2 chain	
COL6A3	NM_004369.3	collagen, type VI, alpha 3	collagen type VI alpha 3 chain	

COP1	NM_001001740.3	RFWD2;ring finger and WD repeat domain 2	COP1 E3 ubiquitin ligase
COX5B	NM_001862.2	cytochrome c oxidase subunit Vb	cytochrome c oxidase subunit 5B
CPA3	NM_001870.2	carboxypeptidase A3 (mast cell)	carboxypeptidase A3
CPT2	NM_000098.3	CPT1;carnitine palmitoyltransferase II	carnitine palmitoyltransferase 2
CREB1	NM_004379.3		cAMP responsive element binding protein 1
CREBBP	NM_001079846.1	RSTS;Rubinstein-Taybi syndrome	CREB binding protein
CRK	NM_016823.4	v-crk avian sarcoma virus CT10 oncogene homolog	CRK proto-oncogene, adaptor protein
CSF1R	NM_005211.3	FMS;McDonough feline sarcoma viral (v-fms) oncogene homolog	colony stimulating factor 1 receptor
CSF2RA	NM_172249.2	CSF2R;colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	colony stimulating factor 2 receptor subunit alpha
CSF2RB	NM_000395.2	IL3RB;colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage);colony stimulating factor 2 receptor beta common subunit	colony stimulating factor 2 receptor subunit beta
CSF3R	NM_000760.3	CD114;colony stimulating factor 3 receptor (granulocyte)	colony stimulating factor 3 receptor
CTAG1A/B	NM_001327.2	CTAG;CTAG1;cancer/testis antigen 1	cancer/testis antigen 1A/B
CTLA4	NM_001037631.2	CELIAC3;IDDM12;celiac disease 3;insulin-dependent diabetes mellitus 12	cytotoxic T-lymphocyte associated protein 4
CTNNA1	NM_001903.2	catenin (cadherin-associated protein), alpha 1 (102kD)	catenin alpha 1
CTNNB1	NM_001098209.1	CTNNB;catenin (cadherin-associated protein), beta 1 (88kD);catenin (cadherin-associated protein), beta 1, 88kDa;catenin (cadherin-associated protein), beta 1	catenin beta 1
CTNND1	NM_001206889.1	CTNND;catenin (cadherin-associated protein), delta 1	catenin delta 1
CTSW	NM_001335.3	cathepsin W (lymphopain)	cathepsin W
CXCL10	NM_001565.3	INP10;SCYB10;small inducible cytokine subfamily B (Cys-X-Cys), member 10;chemokine (C-X-C motif) ligand 10	C-X-C motif chemokine ligand 10
CXCL11	NM_005409.4	SCYB9B;SCYB11;small inducible cytokine subfamily B (Cys-X-Cys), member 11;chemokine (C-X-C motif) ligand 11	C-X-C motif chemokine ligand 11
CXCL9	NM_002416.2	CHK;MIG;monokine induced by gamma interferon;chemokine (C-X-C motif) ligand 9	C-X-C motif chemokine ligand 9
CXCR2	NM_001557.3	IL8RB;interleukin 8 receptor, beta;chemokine (C-X-C motif) receptor 2	C-X-C motif chemokine receptor 2
CXCR4	NM_001008540.1	chemokine (C-X-C motif), receptor 4 (fusin);chemokine (C-X-C motif) receptor 4	C-X-C motif chemokine receptor 4
CXCR6	NM_006564.1	chemokine (C-X-C motif) receptor 6	C-X-C motif chemokine receptor 6
CXCC5	NM_016463.9		CXC finger protein 5
CYBB	NM_000397.3	CGD;chronic granulomatous disease;cytochrome b-245, beta polypeptide	cytochrome b-245 beta chain
CYFIP1	NM_014608.2		cytoplasmic FMR1 interacting protein 1
CYP4A11/22	NM_001010969.3	CYP4A2	cytochrome P450 family 4 subfamily A member 11/22
DCN	NM_001920.3		decorin
DICER1	NM_177438.2	MNG1;Dicer1, Dcr-1 homolog (Drosophila);multinodular goitre 1;dicer 1, ribonuclease type III	dicer 1, ribonuclease III
DKC1	NM_001142463.2	DKC;dyskeratosis congenita 1, dyskerin	dyskerin pseudouridine synthase 1
DLL3	NM_203486.2	delta (Drosophila)-like 3,delta-like 3 (Drosophila)	delta like canonical Notch ligand 3
DNA2	NM_001080449.2	DNA2L;DNA2 DNA replication helicase 2-like (yeast);DNA replication helicase 2 homolog (yeast)	DNA replication helicase/nuclease 2
DNMT1	NM_001130823.2	DNMT;DNA (cytosine-5)-methyltransferase 1	DNA methyltransferase 1
DOCK1	NM_001380.3	dedicator of cyto-kinesis 1	dedicator of cytokinesis 1
DOCK2	NM_004946.3	dedicator of cyto-kinesis 2	dedicator of cytokinesis 2
DTL	NM_016448.4	denticleless homolog (Drosophila);denticleless E3 ubiquitin protein ligase homolog (Drosophila)	denticleless E3 ubiquitin protein ligase homolog
DUSP6	NM_022652.2		dual specificity phosphatase 6
E2F1	NM_005225.1	RBBP3	E2F transcription factor 1
E2F2	NM_004091.4		E2F transcription factor 2
EDN1	NM_001955.2		endothelin 1
EGF	NM_001178130.2	epidermal growth factor (beta-urogastrone)	epidermal growth factor
EGFR	NM_005228.3	ERBB;epidermal growth factor receptor (avian erythroblastic leukemia viral (v-erb-b) oncogene homolog)	epidermal growth factor receptor
EGLN3	NM_022073.4	egl nine homolog 3 (C. elegans)	egl-9 family hypoxia inducible factor 3
EHHADH	NM_001166411.1	ECHD;enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase	enoyl-CoA hydratase and 3-hydroxyacyl CoA dehydrogenase
EIF2AK3	NM_004836.6		eukaryotic translation initiation factor 2 alpha kinase 3
EIF4EBP1	NM_004095.3		eukaryotic translation initiation factor 4E binding protein 1
EIF4G1	NM_001194946.1	EIF4G,EIF4F;eukaryotic translation initiation factor 4 gamma, 1	eukaryotic translation initiation factor 4 gamma 1
ELOVL5	NM_001242828.1	SCA38;ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast);spinocerebellar ataxia 38	ELOVL fatty acid elongase 5
EME1	XM_011524392.1	essential meiotic endonuclease 1 homolog 1 (S. pombe)	essential meiotic structure-specific endonuclease 1
ENTPD1	NM_001098175.1	CD39	ectonucleoside triphosphate diphosphohydrolase 1
ENTPD2	NM_001246.3	CD39L1	ectonucleoside triphosphate diphosphohydrolase 2
EOMES	NM_001278182.1	eomesodermin (Xenopus laevis) homolog	eomesodermin
EP300	NM_001429.4		E1A binding protein p300
EPAS1	NM_001430.5		endothelial PAS domain protein 1
EPC1	NM_025209.4	enhancer of polycomb homolog 1 (Drosophila)	enhancer of polycomb homolog 1
EPCAM	NM_002354.2	M4S1,MIC18,TACSTD1;antigen identified by monoclonal antibody AUA1,tumor-associated calcium signal transducer 1	epithelial cell adhesion molecule
ERBB2	NM_004448.2	NG2;v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog);v-erb b2 avian erythroblastic leukemia viral oncogene homolog 2	erb-b2 receptor tyrosine kinase 2
ERBB3	NM_001982.3	LCCS2;lethal congenital contracture syndrome 2,v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3	erb-b2 receptor tyrosine kinase 3
ERN1	NM_001433.5	ER to nucleus signalling 1	endoplasmic reticulum to nucleus signalling 1
ERO1A	NM_014584.2	ERO1L;ERO1 (S. cerevisiae)-like;ERO1-like (S. cerevisiae)	endoplasmic reticulum oxidoreductase 1 alpha
ESR1	NM_000125.2	ESR	estrogen receptor 1
ESR2	NM_001214903.1	estrogen receptor 2 (ER beta)	estrogen receptor 2
ESRP1	NM_017697.3	RBM35A;RNA binding motif protein 35A	epithelial splicing regulatory protein 1
ESRP2	NM_024939.3	RBM35B;RNA binding motif protein 35B	epithelial splicing regulatory protein 2
EXO1	NM_006027.3		exonuclease 1
EZH2	NM_004456.4	enhancer of zeste (Drosophila) homolog 2,enhancer of zeste homolog 2 (Drosophila)	enhancer of zeste 2 polycomb repressive complex 2 subunit
FAM30A	NR_026800.2	C14orf110,KIAA0125;chromosome 14 open reading frame 110,KIAA0125	family with sequence similarity 30 member A
FAM83A	NM_207006.2	family with sequence similarity 83, member A	family with sequence similarity 83 member A
FANCA	NM_001018112.1	FACA,FANCH;Fanconi anemia complementation group A	FA complementation group A
FANCD2	NM_001018115.1	FACD,FANCD;Fanconi anemia complementation group D2	FA complementation group D2
FANCI	NM_001113378.1	KIAA1794,KIAA1794,Fanconi anemia complementation group I	FA complementation group I
FAS	NM_000043.3	FASL,APT1,TNFRSF6;tumor necrosis factor receptor superfamily, member 6,Fas (TNF receptor superfamily, member 6)	Fas cell surface death receptor
FASLG	NM_000639.2	APT1LG1,TNFRSF6;tumor necrosis factor (ligand) superfamily, member 6,Fas ligand (TNF superfamily, member 6)	Fas ligand
FBLIM1	NM_001024215.1		filamin binding LIM protein 1
FBLN2	NM_001004019.1		fibulin 2
FBN1	NM_000138.4	FBN,MFS1,WMS;fibillin 1 (Marfan syndrome)	fibillin 1
FCAR	NM_133278.2	Fc fragment of IgA, receptor for	Fc fragment of IgA receptor
FCGR3A/B	NM_000570.4	FCGR3,FCG3;Fc fragment of IgG, low affinity IIIb, receptor for (CD16);Fc fragment of IgG, low affinity IIIb, receptor (CD16b)	Fc fragment of IgG receptor IIIa/b
FCRL2	NM_001159488.1	SPAP1;SH2 domain-containing phosphatase anchor protein 1,Fc receptor-like 2	Fc receptor like 2
FEN1	NM_004111.4	RAD2	flap structure-specific endonuclease 1
FGF7	NM_002009.3	fibroblast growth factor 7 (keratinocyte growth factor)	fibroblast growth factor 7
FGFBP1	NM_005130.4		fibroblast growth factor binding protein 1
FGFR1	NM_001174064.1	FLT2,KAL2;fms-related tyrosine kinase 2	fibroblast growth factor receptor 1
FGFR2	NM_000141.4	KGFR,BEK,CFD1,JWS;bacteria-expressed kinase,keratinocyte growth factor receptor,craniofacial dysostosis 1,Jackson-Weiss syndrome	fibroblast growth factor receptor 2
FGFR3	NM_000142.4	ACH,achondroplasia, thanatophoric dwarfism	fibroblast growth factor receptor 3
FLT1	NM_002019.4	FLT;fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor);fms-related tyrosine kinase 1,fms related tyrosine kinase 1	fms related receptor tyrosine kinase 1
FLT3	NM_004119.2	fms-related tyrosine kinase 3,fms related tyrosine kinase 3	fms related receptor tyrosine kinase 3
FLT4	NM_182925.4	fms-related tyrosine kinase 4,fms related tyrosine kinase 4	fms related receptor tyrosine kinase 4
FMOD	NM_002023.5		fibromodulin
FOLH1	NM_004476.1	FOLH;folate hydrolase (prostate-specific membrane antigen) 1	folate hydrolase 1
FOS	NM_005252.3	v-fos FBJ murine osteosarcoma viral oncogene homolog,FBJ murine osteosarcoma viral oncogene homolog	Fos proto-oncogene, AP-1 transcription factor subunit

FOXA1	NM_004496.5	HNF3A;hepatocyte nuclear factor 3, alpha	forkhead box A1
FOXM1	NM_001243088.1	FKHL16	forkhead box M1
FOXP1	NM_032682.5		forkhead box P1
FOXP3	NM_014009.3	IPEX;immune dysregulation, polyendocrinopathy, enteropathy, X-linked	forkhead box P3
FRP1	NM_002029.3		formyl peptide receptor 1
FRMD6	NM_152330.3	C14orf31;chromosome 14 open reading frame 31	FERM domain containing 6
FSTL1	NM_007085.4	folliculin-like 1	folliculin-like 1
FZD1	NM_003505.2	frizzled (Drosophila) homolog 1, frizzled homolog 1 (Drosophila), frizzled 1, seven transmembrane spanning receptor, frizzled family receptor 1	frizzled class receptor 1
FZD4	NM_012193.3	EVRI;frizzled (Drosophila) homolog 4, exudative vitreoretinopathy 1, frizzled homolog 4 (Drosophila), frizzled 4, seven transmembrane spanning receptor, frizzled family receptor 4	frizzled class receptor 4
FZD7	NM_003507.1	frizzled (Drosophila) homolog 7, frizzled homolog 7 (Drosophila), frizzled 7, seven transmembrane spanning receptor, frizzled family receptor 7	frizzled class receptor 7
FZD8	NM_011866.1	frizzled (Drosophila) homolog 8, frizzled homolog 8 (Drosophila), frizzled 8, seven transmembrane spanning receptor, frizzled family receptor 8	frizzled class receptor 8
GABARAP	NM_007278.1	GABA(A) receptor-associated protein	GABA type A receptor-associated protein
GABPA	NM_001197297.1	GA-binding protein transcription factor, alpha subunit (60kD), GA binding protein transcription factor, alpha subunit 60kDa, GA binding protein transcription factor alpha subunit	GA binding protein transcription factor subunit alpha
GALNT3	NM_004482.3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 3 (GalNAc-T3)	polypeptide N-acetylgalactosaminyltransferase 3
GLUD1	NM_005271.2	GLUD	glutamate dehydrogenase 1
GLUD2	NM_012084.3	GLUDP1;glutamate dehydrogenase pseudogene 1	glutamate dehydrogenase 2
GLUL	NM_002065.6	GLNS;glutamate-ammonia ligase (glutamine synthase)	glutamate-ammonia ligase
GMPS	NM_003875.2	guanine monophosphate synthetase	guanine monophosphate synthase
GNAI3	NM_006496.3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	G protein subunit alpha i3
GPLY	NM_012483.3	LAG2	granulysin
GPINB	NM_001005340.1	glycoprotein (transmembrane) nmb	glycoprotein nmb
GPT	NM_005309.2	glutamic-pyruvate transaminase (alanine aminotransferase)	glutamic-pyruvic transaminase
GPX1	NM_000581.2		glutathione peroxidase 1
GRAP2	NM_001291826.1		GRB2 related adaptor protein 2
GRB7	NM_001242443.1	growth factor receptor-bound protein 7	growth factor receptor bound protein 7
GREM1	NM_013372.5	CKTSF1B1,CRAC1,cysteine knot superfamily 1, BMP antagonist 1, gremlin 1, cysteine knot superfamily, homolog (Xenopus laevis), gremlin 1, colorectal adenoma and carcinoma 1	gremlin 1, DAN family BMP antagonist
GRHL2	NM_024915.3	DFNA28,TFCP2L3;deafness, autosomal dominant 28,transcription factor CP2-like 3,grainyhead-like 2 (Drosophila)	grainyhead like transcription factor 2
GSK3B	NM_001146156.1		glycogen synthase kinase 3 beta
GSR	NM_000637.2	glutathione reductase	glutathione-disulfide reductase
GSTM4	NM_000850.4	glutathione S-transferase M4	glutathione S-transferase mu 4
GTSE1	NM_016426.5	G-2 and S-phase expressed 1	G2 and S-phase expressed 1
GZMA	NM_006144.3	HFSF,CTLA3;granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)	granzyme A
GZMB	NM_004131.4	CTLA1,CSPB;granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	granzyme B
GZMH	NM_033423.3	CTSL2;granzyme H (cathepsin G-like 2, protein h-CCPX)	granzyme H
GZMK	NM_002104.2	granzyme K (serine protease, granzyme 3; tryptase II), granzyme K (granzyme 3; tryptase II)	granzyme K
H2AX	NM_002105.2	H2AFX;H2A histone family, member X,H2A histone family member X	H2A.X variant histone
HAVCR2	NM_032782.3		hepatitis A virus cellular receptor 2
HCK	NM_001172129.1	hemopoietic cell kinase	HCK proto-oncogene, Src family tyrosine kinase
HDAC1	NM_004964.3	RPD3L1	histone deacetylase 1
HDC	NM_002112.3		histidine decarboxylase
HGF	NM_000601.4	DFNB39;deafness, autosomal recessive 39,hepatocyte growth factor (hepatoin A; scatter factor)	hepatocyte growth factor
HIF1A	NM_181054.2	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	hypoxia inducible factor 1 subunit alpha
HJURP	NM_018410.5		Holliday junction recognition protein
HK2	NM_000189.4		hexokinase 2
HLA-A	NM_002116.5		major histocompatibility complex, class I, A
HLA-B	NM_005514.6	AS;ankylosing spondylitis	major histocompatibility complex, class I, B
HLA-C	NM_002117.4	HLA-JY3,D6S204,PSORS1;psoriasis susceptibility 1	major histocompatibility complex, class I, C
HLA-DQA1	NM_002122.3	HLA-DQA	major histocompatibility complex, class II, DQ alpha 1
HLA-DRB1	NM_002124.3	HLA-DR1B	major histocompatibility complex, class II, DR beta 1
HLA-E	NM_005516.5		major histocompatibility complex, class I, E
HMGAI1	NM_145902.2	HMGYI;high-mobility group (nonhistone chromosomal) protein isoforms I and Y	high mobility group AT-hook 1
HMOX1	NM_002133.2	heme oxygenase (decycling) 1	heme oxygenase 1
HRAS	NM_005343.3	HRAS1v-Ha-ras Harvey rat sarcoma viral oncogene homolog	HRas proto-oncogene, GTPase
HSD11B1	NM_181755.2	HSD11B,HSD11;hydroxysteroid (11-beta) dehydrogenase 1	hydroxysteroid 11-beta dehydrogenase 1
HSPB1	NM_001540.3	heat shock 27kD protein 1,heat shock 27kDa protein 1	heat shock protein family B (small) member 1
HUWE1	NM_031407.7	HECT, UBA and WWE domain containing 1	HECT, UBA and WWE domain containing E3 ubiquitin protein ligase 1
ICAM1	NM_000201.2		intercellular adhesion molecule 1
ICOS	NM_012092.3	inducible T-cell costimulator	inducible T cell costimulator
IDH1	NM_005896.3	isocitrate dehydrogenase 1 (NADP+), soluble,isocitrate dehydrogenase 1 (NADP+),isocitrate dehydrogenase (NADP(+)) 1, cytosolic	isocitrate dehydrogenase (NADP(+)) 1
IDH2	NM_002168.2	isocitrate dehydrogenase 2 (NADP+), mitochondrial,isocitrate dehydrogenase (NADP(+)) 2, mitochondrial	isocitrate dehydrogenase (NADP(+)) 2
IDO1	NM_002164.5	IDO,INDO;indoleamine-pyrrrole 2,3 dioxygenase	indoleamine 2,3-dioxygenase 1
IDO2	NM_194294.2	INDOL1;indoleamine-pyrrrole 2,3 dioxygenase-like 1	indoleamine 2,3-dioxygenase 2
IFNA1	NM_024013.1		interferon alpha 1
IFNAR1	NM_000629.2	IFNAR;interferon (alpha, beta and omega) receptor 1	interferon alpha and beta receptor subunit 1
IFNAR2	NM_000874.3	IFNABR;interferon (alpha, beta and omega) receptor 2	interferon alpha and beta receptor subunit 2
IFNG	NM_000619.2		interferon gamma
IFNGR2	NM_005534.3	IFNGT1;interferon gamma receptor 2 (interferon gamma transducer 1)	interferon gamma receptor 2
IGF1R	NM_000875.3	insulin-like growth factor 1 receptor	insulin like growth factor 1 receptor
IGFBP3	NM_000598.4	insulin-like growth factor binding protein 3	insulin like growth factor binding protein 3
IKBK	NM_001099856.4	IP2,IP1;incontinentia pigmenti,inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma,inhibitor of nuclear factor kappa B kinase subunit gamma	inhibitor of nuclear factor kappa B kinase regulatory subunit gamma
IL10	NM_000572.2		interleukin 10
IL10RA	NM_001558.2	IL10R;interleukin 10 receptor, alpha	interleukin 10 receptor subunit alpha
IL11	NM_000641.3		interleukin 11
IL12B	NM_002187.2	NKSF2;interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)	interleukin 12B
IL12RB1	NM_005535.1	IL12RB;interleukin 12 receptor, beta 1	interleukin 12 receptor subunit beta 1
IL15	NM_000585.4		interleukin 15
IL15RA	NM_002189.2	interleukin 15 receptor, alpha	interleukin 15 receptor subunit alpha
IL21R	NM_021798.3		interleukin 21 receptor
IL22RA2	NM_052962.2	interleukin 22 receptor, alpha 2	interleukin 22 receptor subunit alpha 2
IL27RA	NM_004843.3	interleukin 27 receptor, alpha	interleukin 27 receptor subunit alpha
IL2RA	NM_000417.2	IL2R,IDD10;insulin-dependent diabetes mellitus 10,interleukin 2 receptor, alpha	interleukin 2 receptor subunit alpha
IL2RB	NM_000878.2	IL15RB;interleukin 15 receptor, beta,interleukin 2 receptor, beta	interleukin 2 receptor subunit beta
IL2RG	NM_000206.1	SCIDX1,IMD4,CIDX;severe combined immunodeficiency,combined immunodeficiency, X-linked,interleukin 2 receptor, gamma	interleukin 2 receptor subunit gamma
IL3RA	NM_002183.2	interleukin 3 receptor, alpha (low affinity)	interleukin 3 receptor subunit alpha
IL4R	NM_000418.2		interleukin 4 receptor
IL6	NM_000600.3	IFNB2;interleukin 6 (interferon, beta 2)	interleukin 6
IL6ST	NM_002184.2	interleukin 6 signal transducer (gp130, oncostatin M receptor)	interleukin 6 signal transducer
IL7	NM_001199886.1		interleukin 7
IL7R	NM_002185.3		interleukin 7 receptor
IL9R	NM_011531151.1		interleukin 9 receptor
INHBA	NM_002192.2	inhibin, beta A (activin A, activin AB alpha polypeptide),inhibin, beta A	inhibin subunit beta A
IQGAP1	NM_003870.3		IQ motif containing GTPase activating protein 1
IRF1	NM_002198.2		interferon regulatory factor 1

IRF3	NM_001197122.1		interferon regulatory factor 3
IRF4	NM_002460.1	MUM1	interferon regulatory factor 4
IRF7	NM_004029.2		interferon regulatory factor 7
ITGA1	NM_181501.1	integrin, alpha 1	integrin subunit alpha 1
ITGA11	NM_001004439.1	integrin, alpha 11	integrin subunit alpha 11
ITGA5	NM_002205.2	FNRA;integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	integrin subunit alpha 5
ITGA8	NM_003638.3	integrin, alpha 8	integrin subunit alpha 8
ITGAL	NM_002209.2	CD11A;integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)	integrin subunit alpha L
ITGAM	NM_000632.3	CR3A,CD11B;integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide);integrin, alpha M (complement component 3 receptor 3 subunit)	integrin subunit alpha M
ITGAV	NM_001144999.2	VNRA,MSK8,VTNR;antigen identified by monoclonal antibody L230,vitronectin receptor;integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51);integrin, alpha V CD11C;integrin, alpha X (antigen CD11C (p150), alpha polypeptide);integrin, alpha X (complement component 3 receptor 4 subunit)	integrin subunit alpha V
ITGAX	NM_000887.4	FNRB,MSK12,MDF2;integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	integrin subunit alpha X
ITGB1	NM_002211.3	CD18,MF17;integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit);integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	integrin subunit beta 1
ITGB2	NM_000211.3		integrin subunit beta 2
ITGB3	NM_000212.2	GP3A;integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	integrin subunit beta 3
ITGB5	NM_002213.3	integrin, beta 5	integrin subunit beta 5
ITGB6	NM_001282353.2	integrin, beta 6	integrin subunit beta 6
ITGB8	NM_002214.2	integrin, beta 8	integrin subunit beta 8
ITK	NM_005546.3	IL2-inducible T-cell kinase,IL2 inducible T-cell kinase	IL2 inducible T cell kinase
ITPR1	NM_001099952.3	29,inositol 1,4,5-trisphosphate receptor, type 1	inositol 1,4,5-trisphosphate receptor type 1
ITPR3	NM_002224.4	inositol 1,4,5-trisphosphate receptor, type 3,inositol 1,4,5-trisphosphate receptor, type 3	inositol 1,4,5-trisphosphate receptor type 3
JAG1	NM_000214.2	AGS,JAGL1;Alagille syndrome,jagged 1	jagged canonical Notch ligand 1
JAK1	NM_002227.1	JAK1B	Janus kinase 1
JAK2	NM_004972.2		Janus kinase 2
JAK3	NM_000215.2		Janus kinase 3
JMJD1C	NM_032776.1	TRIP8;thyroid hormone receptor interactor 8	jumonji domain containing 1C
JUN	NM_002228.4	v-jun avian sarcoma virus 17 oncogene homolog,jun oncogene	Jun proto-oncogene, AP-1 transcription factor subunit
JUP	NM_001352773.1	CTNNG;catenin (cadherin-associated protein), gamma 80kDa	junction plakoglobin
KAT2B	NM_003884.4	PCAF;p300/CBP-associated factor,K(lysine) acetyltransferase 2B	lysine acetyltransferase 2B
KAT6A	NM_001099412.1	ZNF220,RUNXBP2,MYST3;run-related transcription factor binding protein 2,MYST histone acetyltransferase (monocytic leukemia) 3,K(lysine) acetyltransferase 6A	lysine acetyltransferase 6A
KAT6B	NM_012330.1	MYST4;MYST histone acetyltransferase (monocytic leukemia) 4,K(lysine) acetyltransferase 6B	lysine acetyltransferase 6B
KDMA1A	NM_015013.4	AOF2,KDM1;amine oxidase (flavin containing) domain 2,lysine (K)-specific demethylase 1	lysine demethylase 1A
KDM3B	NM_016604.3	CSorf7,JMJD1B;chromosome 5 open reading frame 7,jumonji domain containing 1B,lysine (K)-specific demethylase 3B	lysine demethylase 3B
KDM5A	NM_001042603.3	RBBP2,JARID1A;retinoblastoma-binding protein 2,Jumonji, AT rich interactive domain 1A (RBBP2-like),jumonji, AT rich interactive domain 1A,lysine (K)-specific demethylase 5A	lysine demethylase 5A
KDM6A	NM_021140.2	UTX;ubiquitously transcribed tetratricopeptide repeat, X chromosome,lysine (K)-specific demethylase 6A	lysine demethylase 6A
KDR	NM_002253.2	kinase insert domain receptor (a type III receptor tyrosine kinase)	kinase insert domain receptor
KEAP1	NM_012289.4		kelch like ECH associated protein 1
KIF20A	NM_005733.2	RAB6KIFL;RAB6 interacting, kinesin-like (rabkinesin6)	kinesin family member 20A
KIF23	NM_138555.4	KNLS5;kinesin-like 5 (mitotic kinesin-like protein 1)	kinesin family member 23
KIF2C	NM_006845.2	KNLS6;kinesin-like 6 (mitotic centromere-associated kinesin)	kinesin family member 2C
KIR2DL3	NM_015868.2	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 3 KIR2DS2 (NM_001291701;NM_012312;NM_001291695), KIR2DL2 (NM_014219)
KIR2DL4	NM_001080770.1	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 4 LOC112268354 (NM_001368253)
KIR2DS4	NM_178228.2	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4	killer cell immunoglobulin like receptor, two Ig domains and short cytoplasmic tail 4
KIR3DL1	NM_001322168.1	KIR;killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1	killer cell immunoglobulin like receptor, three Ig domains and long cytoplasmic tail 1 KIR3DS1 (NM_001282171;NM_001282170;NM_001083539), KIR3DL2 (NM_001242867;NM_006737), LOC112268355 (NM_001368254)
KIR3DL2	NM_006737.2	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	killer cell immunoglobulin like receptor, three Ig domains and long cytoplasmic tail 2
KIT	NM_000222.2	PBT;piebald trait v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	KIT proto-oncogene, receptor tyrosine kinase
KLFS	NM_001730.3	BTEB2;Krueppel-like factor 5 (intestinal)	Kruppel like factor 5
KLK2	NM_005551.4	kallikrein 2, prostatic	kallikrein related peptidase 2
KLK3	NM_001030049.1	APSK;kallikrein 3, (prostate specific antigen)	kallikrein related peptidase 3
KLK4	NM_004917.3	PRSS17;kallikrein 4 (prostate, enamel matrix, prostate)	kallikrein related peptidase 4
KLKB1	NM_002258.2	NKR;killer cell lectin-like receptor subfamily B, member 1	killer cell lectin like receptor B1
KLRD1	NM_002262.3	CD94;killer cell lectin-like receptor subfamily D, member 1	killer cell lectin like receptor D1
KLRG1	NM_001329099.1	killer cell lectin-like receptor subfamily G, member 1	killer cell lectin like receptor G1
KLRL1	NM_007360.3	D1252489E;DNA segment on chromosome 12 (unique) 2489 expressed sequence;killer cell lectin-like receptor subfamily K, member 1	killer cell lectin like receptor K1
KMT2A	NM_005933.3	MLL;myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog),myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila),lysine (K)-specific methyltransferase 2A	lysine methyltransferase 2A
KMT2D	NM_003482.3	TNRC21,MLL2;triacuotide repeat containing 21,myeloid/lymphoid or mixed-lineage leukemia 2,lysine (K)-specific methyltransferase 2D	lysine methyltransferase 2D
KPNA2	NM_002266.2	RCH1;karyopherin alpha 2 (RAG cohort 1, importin alpha 1),karyopherin alpha 2	karyopherin subunit alpha 2
KRAS	NM_004985.3	KRAS2;v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene homolog,v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog,Kirsten rat sarcoma viral oncogene homolog	KRAS proto-oncogene, GTPase
KRT16	NM_005557.3	keratin 16, type I	keratin 16
KRT17	NM_000422.2	PCHC1;keratin 17, type I	keratin 17
LAG3	NM_002286.5	lymphocyte-activation gene 3	lymphocyte activating 3
LAIR1	NM_001289023.2	leukocyte-associated Ig-like receptor 1,leukocyte-associated immunoglobulin-like receptor 1	leukocyte associated immunoglobulin like receptor 1
LAMA2	NM_000426.3	LAMM;laminin, alpha 2	laminin subunit alpha 2
LAMA4	NM_001105206.2	laminin, alpha 4	laminin subunit alpha 4
LAMB1	NM_002291.2	CLM;cutis laxa with marfanoid phenotype,laminin, beta 1	laminin subunit beta 1
LAMB3	NM_000228.2	LAMNB1;laminin, beta 3 (nicein (125kD), kalinin (140kD), BM600 (125kD)),laminin, beta 3	laminin subunit beta 3
LAMC1	NM_002293.3	LAMB2;laminin, gamma 1 (formerly LAMB2)	laminin subunit gamma 1
LAMC2	NM_005562.2	EBR2,LAMB2T,LAMNB2,EBR2A;laminin, gamma 2 (nicein (100kD), kalinin (105kD), BM600 (100kD), Herlitz junctional epidermolysis bullosa),laminin, gamma 2	laminin subunit gamma 2
LAMTOR1	NM_017907.2	C11orf59;chromosome 11 open reading frame 59	late endosomal/lysosomal adaptor, MAPK and MTOR activator 1
LAMTOR2	NM_001145264.2	ROBLD3;roadblock domain containing 3	late endosomal/lysosomal adaptor, MAPK and MTOR activator 2
LAMTOR4	NM_001008395.4	C7orf59;chromosome 7 open reading frame 59	late endosomal/lysosomal adaptor, MAPK and MTOR activator 4
LAMTOR5	NM_006402.2	HBXIP;hepatitis B virus x interacting protein	late endosomal/lysosomal adaptor, MAPK and MTOR activator 5
LAT	NM_001014987.1	LATS (large tumor suppressor, Drosophila) homolog 1,LATS, large tumor suppressor, homolog 1 (Drosophila)	linker for activation of T cells
LATS1	NM_004690.2		large tumor suppressor kinase 1
LCK	NM_005356.4	lymphocyte-specific protein tyrosine kinase	LCK proto-oncogene, Src family tyrosine kinase
LCN2	NM_005564.3	lipocalin 2 (oncogene 24p3)	lipocalin 2
LDHA	NM_001135239.1		lactate dehydrogenase A
LIG1	NM_000234.2	ligase I, DNA, ATP-dependent	DNA ligase 1
LILRB2	NM_001278405.1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2	leukocyte immunoglobulin like receptor B2
LIN9	NM_001366238.1	lin-9 homolog (C. elegans)	lin-9 DREAM MuvB core complex component
LMBN1	NM_005573.4		lamin B1
LOX	NM_002317.5		lysyl oxidase

LRRC32	NM_005512.2	D115833E,GARP;glycoprotein A repetitions predominant	leucine rich repeat containing 32
LTA	NM_000595.3	TNFB;lymphotoxin alpha (TNF superfamily, member 1)	lymphotoxin alpha
LTB	NM_002341.1	TNFC	lymphotoxin beta
LTBP1	NM_00627.3		latent transforming growth factor beta binding protein 1
LTBR	XM_006718983.2	D125370	lymphotoxin beta receptor
LY96	NM_001195797.1		lymphocyte antigen 96
LYN	NM_002350.3	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	LYN proto-oncogene, Src family tyrosine kinase
MAFG	NM_002359.4	v-maf avian musculoponeurotic fibrosarcoma oncogene homolog G	MAF bZIP transcription factor G
MAGEC1	NM_005462.4	melanoma antigen family C1	MAGE family member C1
MAGEC2	NM_016249.3	MAGEE1;melanoma antigen, family E, 1, cancer/testis specific;melanoma antigen family C2	MAGE family member C2
MALL	NM_005434.5	mal, T-cell differentiation protein like	mal, T cell differentiation protein like
MAML2	NM_032427.1	mastermind (Drosophila)-like 2,mastermind-like 2 (Drosophila)	mastermind like transcriptional coactivator 2
MAP2K1	NM_002755.3	PRKMK1	mitogen-activated protein kinase kinase 1
MAP2K2	NM_030662.3	PRKMK2	mitogen-activated protein kinase kinase 2
MAP3K14	NM_003954.1		mitogen-activated protein kinase kinase kinase 14
MAP3K7	NM_003188.3	TAK1	mitogen-activated protein kinase kinase kinase 7
MAPK1	NM_138957.2	PRKM2,PRKM1	mitogen-activated protein kinase 1
MAPK13	NM_002754.3	PRKM13	mitogen-activated protein kinase 13
MAPK14	NM_139014.2	CSBP1,CSBP2	mitogen-activated protein kinase 14
MAPK3	NM_001040056.3	PRKM3	mitogen-activated protein kinase 3
MAPK8	NM_002750.2	PRKM8	mitogen-activated protein kinase 8
MCL1	NM_021960.5	myeloid cell leukemia sequence 1 (BCL2-related),myeloid cell leukemia 1,MCL1, BCL2 family apoptosis regulator	MCL1 apoptosis regulator, BCL2 family member
MCM2	NM_004526.4	CCNL1,CDCL1,minichromosome maintenance deficient (S. cerevisiae) 2 (mitotin),MCM2 minichromosome maintenance deficient 2, mitotin (S. cerevisiae)	minichromosome maintenance complex component 2
MCM4	NM_182746.1	CDC21,MCM4 minichromosome maintenance deficient 4 (S. cerevisiae)	minichromosome maintenance complex component 4
MDM2	NM_006878.3	mouse double minute 2, human homolog of; p53-binding protein,Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse),Mdm2 p53 binding protein homolog (mouse),MDM2 proto-oncogene, E3 ubiquitin protein ligase	MDM2 proto-oncogene
MET	NM_000245.2	met proto-oncogene	MET proto-oncogene, receptor tyrosine kinase
MGA	NM_001080541.2	MAX gene associated	MAX dimerization protein MGA
MKI67	NM_002417.2	antigen identified by monoclonal antibody Ki-67	marker of proliferation Ki-67
MLANA	NM_005511.1		melan-A
MLH1	NM_000249.2	COCA2,mutL (E. coli) homolog 1 (colon cancer, nonpolyposis type 2),mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)	mutL homolog 1
MLST8	NM_001199173.1	MTOR associated protein, LST8 homolog (S. cerevisiae)	MTOR associated protein, LST8 homolog
MMP9	NM_004994.2	CLG4B;matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	matrix metalloproteinase 9
MNDA	NM_002432.1		myeloid cell nuclear differentiation antigen
MS4A1	NM_021950.3	CD20;membrane-spanning 4-domains, subfamily A, member 1	membrane spanning 4-domains A1
MS4A2	NM_000139.3	FCER1B,IGER,APY;igE responsiveness (atopic),membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide),membrane-spanning 4 domains, subfamily A, member 2	membrane spanning 4-domains A2
MS4A4A	NM_001243266.1	MS4A4;membrane-spanning 4-domains, subfamily A, member 4,membrane-spanning 4-domains, subfamily A, member 4A	membrane spanning 4-domains 4A
MSH2	NM_000251.1	COCA1,mutS (E. coli) homolog 2 (colon cancer, nonpolyposis type 1),mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)	mutS homolog 2
MSLN	NM_005823.5		mesothelin
MST1R	NM_002447.2	RON,PTK8,SEA;PTK8 protein tyrosine kinase 8,S13 erythroblastosis (avian) oncogene homolog,S13 avian erythroblastosis oncogene homolog	macrophage stimulating 1 receptor
MTHFD2	NM_006636.3		methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methylenetetrahydrofolate cyclohydrolase
MTOR	NM_004958.3	FRAP,FRAP2,FRAP1;FK506 binding protein 12-rapamycin associated protein 1,mechanistic target of rapamycin (serine/threonine kinase),mechanistic target of rapamycin	mechanistic target of rapamycin kinase
MUC1	NM_001044392.2	PUM,MCKD1;muclin 1, transmembrane,medullary cystic kidney disease 1 (autosomal dominant)	muclin 1, cell surface associated
MUC16	NM_024690.2		muclin 16, cell surface associated
MX1	NM_001144925.2	myxovirus (influenza) resistance 1, homolog of murine (interferon-inducible protein p78),myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)	MX dynamin like GTPase 1
MYB	NM_001130172.2	v-myb avian myeloblastosis viral oncogene homolog	MYB proto-oncogene, transcription factor
MYB2	NM_002466.4	v-myb avian myeloblastosis viral oncogene homolog-like 2	MYB proto-oncogene like 2
MYC	NM_002467.3	v-myc avian myelocytomatosis viral oncogene homolog	MYC proto-oncogene, bHLH transcription factor
MYD88	NM_002468.3	myeloid differentiation primary response gene (88),myeloid differentiation primary response 88	MYD88 innate immune signal transduction adaptor
MYL9	NM_181526.2	myosin, light polypeptide 9, regulatory,myosin, light chain 9, regulatory	myosin light chain 9
NANOG	NM_024865.2		Nanog homeobox NANOGP8 (NM_001355281)
NBL1	NM_182744.3	neuroblastoma, suppression of tumorigenicity 1,neuroblastoma 1, DAN family BMP antagonist	NBL1, DAN family BMP antagonist
NCAPG	NM_022346.4	non-SMC condensin I complex, subunit G	non-SMC condensin I complex subunit G
NCF1	NM_000265.5	neutrophil cytosolic factor 1 (47kD, chronic granulomatous disease, autosomal 1)	neutrophil cytosolic factor 1
NCF2	NM_001127651.2	neutrophil cytosolic factor 2 (65kD, chronic granulomatous disease, autosomal 2)	neutrophil cytosolic factor 2
NCK1	NM_006153.3	NCK	NCK adaptor protein 1
NCOA2	NM_006540.4		nuclear receptor coactivator 2
NCOR1	NM_001190438.1	nuclear receptor co-repressor 1	nuclear receptor corepressor 1
NCR1	NM_001145457.2	LY94;lymphocyte antigen 94 (mouse) homolog (activating NK-receptor; NK-p46)	natural cytotoxicity triggering receptor 1
NDUFA2	NM_002488.4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2 (8kD, B8),NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	NADH:ubiquinone oxidoreductase subunit A2
NDUFB1	NM_004545.4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1 (7kD, MNLL),NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa	NADH:ubiquinone oxidoreductase subunit B1
NEIL3	NM_018248.2	nei endonuclease VIII-like 3 (E. coli)	nei like DNA glycosylase 3
NEK2	NM_001204182.1	NIMA (never in mitosis gene a)-related kinase 2	NIMA related kinase 2
NF1	NM_000267.3		neurofibromin 1
NFAM1	NM_145912.5	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2,nuclear factor of activated T-cells 2	NFAT activating protein with ITAM motif 1
NFATC2	NM_173091.2		nuclear factor of activated T cells 2
NFE2L2	NM_006164.3	nuclear factor (erythroid-derived 2)-like 2,nuclear factor, erythroid 2-like 2	nuclear factor, erythroid 2 like 2
NFKB1	NM_003998.3	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	nuclear factor kappa B subunit 1
NFKB2	NM_001077494.3	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)	nuclear factor kappa B subunit 2
NKG7	NM_005601.3	natural killer cell group 7 sequence	natural killer cell granule protein 7
NKX3-1	NM_006167.3	NKX3A;NK homeobox (Drosophila), family 3, A,NK3 transcription factor related, locus 1 (Drosophila)	NK3 homeobox 1
NME1	NM_000269.2	non-metastatic cells 1, protein (NM23A) expressed in	NME/NM23 nucleoside diphosphate kinase 1
NOS2	NM_000625.4	NOS2A;nitric oxide synthase 2A (inducible, hepatocytic),nitric oxide synthase 2, inducible	nitric oxide synthase 2
NOS3	NM_001160111.3	nitric oxide synthase 3 (endothelial cell)	nitric oxide synthase 3
NOTCH3	NM_000435.2	CADASIL;Notch (Drosophila) homolog 3,Notch homolog 3 (Drosophila),notch 3	notch receptor 3
NRAS	NM_002524.4	neuroblastoma RAS viral (v-ras) oncogene homolog,neuroblastoma RAS viral oncogene homolog	NRAS proto-oncogene, GTPase
NSD1	NM_022455.4	STO;Sotos syndrome	nuclear receptor binding SET domain protein 1
NTSE	NM_002526.3	NT5;5' nucleotidase (CD73),5'-nucleotidase, ecto (CD73)	5'-nucleotidase ecto
NUDT2	NM_001161.5	APAH1;nudix (nucleoside diphosphate linked moiety X)-type motif 2	nudix hydrolase 2
NUF2	NM_145697.2	CDCA1;cell division cycle associated 1,NUF2, NDC80 kinetochore complex component, homolog (S. cerevisiae),NDC80 kinetochore complex component NUF2	NUF2 component of NDC80 kinetochore complex
OAS1	NM_001032409.1	OIAS;2'-5'-oligoadenylate synthetase 1 (40-46 kD),2'-5'-oligoadenylate synthetase 1, 40/46kDa	2'-5'-oligoadenylate synthetase 1
OAS2	NM_016817.2	2'-5'-oligoadenylate synthetase 2 (69-71 kD),2'-5'-oligoadenylate synthetase 2, 69/71kDa	2'-5'-oligoadenylate synthetase 2
OAS3	NM_006187.3	2'-5'-oligoadenylate synthetase 3 (100 kD),2'-5'-oligoadenylate synthetase 3, 100kDa	2'-5'-oligoadenylate synthetase 3
OSM	NM_020530.4		oncostatin M
OSMR	NM_003999.2		oncostatin M receptor
P4HA2	NM_001017973.1	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II,prolyl 4-hydroxylase, alpha polypeptide II	prolyl 4-hydroxylase subunit alpha 2

		PO4DB,ERBA2L;procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase; thyroid hormone binding protein p55),procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase-associated 1),procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide,prolyl 4-hydroxylase, beta polypeptide		
P4HB	NM_000918.4		prolyl 4-hydroxylase subunit beta	
PA2G4	NM_006191.2	proliferation-associated 2G4, 38kD,proliferation-associated 2G4, 38kDa	proliferation-associated 2G4	
PAK2	NM_002577.4	p21 (CDKN1A)-activated kinase 2,p21 protein (Cdc42/Rac)-activated kinase 2	p21 (RAC1) activated kinase 2	
PAR3	NM_019619.3	par-3 (partitioning defective 3, C.elegans) homolog,par-3 partitioning defective 3 homolog (C.elegans)	par-3 family cell polarity regulator	
PARP1	NM_001618.3	PPOL,ADPRT;ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase),poly (ADP-ribose) polymerase family, member 1	poly(ADP-ribose) polymerase 1	
PARP2	NM_005484.3	ADPRT2;ADP-ribosyltransferase (NAD+; poly(ADP-ribose) polymerase)-like 2,poly (ADP-ribose) polymerase family, member 2	poly(ADP-ribose) polymerase 2	
PARP3	NM_005485.4	ADPRT3;ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase)-like 3	poly(ADP-ribose) polymerase family member 3	
PARVA	NM_018222.5	MXRA2;matrix-remodelling associated 2	parvin alpha	
PBRM1	NM_018313.4		polybromo 1	
PCLAF	NM_014736.4	KJAA0101;KJAA0101	PCNA clamp associated factor	Sub-maximal transcript coverage due to non-overlapping transcripts
PCNA	NM_182649.1		proliferating cell nuclear antigen	
PDCD1	NM_005018.1	SLEB2;systemic lupus erythematosus susceptibility 2	programmed cell death 1	
PDCD1LG2	NM_025239.3		programmed cell death 1 ligand 2	
PDGFB	NM_002608.2	SIS,platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog),platelet-derived growth factor beta polypeptide	platelet derived growth factor subunit B	
PDGFRA	NM_006206.3	platelet-derived growth factor receptor, alpha polypeptide	platelet derived growth factor receptor alpha	
PDGFRB	NM_002609.3	PDGFR;platelet-derived growth factor receptor, beta polypeptide	platelet derived growth factor receptor beta	
PK1	NM_002610.3	pyruvate dehydrogenase kinase, isoenzyme 1,pyruvate dehydrogenase kinase, isoenzyme 1	pyruvate dehydrogenase kinase 1	
PDLIM5	NM_001256428.2		PDZ and LIM domain 5	
PKP1	NM_002613.5		3-phosphoinositide dependent protein kinase 1	
PKFB3	NM_004566.3		6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	
PKFP	NM_002627.4		phosphofructokinase, platelet	
PGF	NM_002632.5	PGFL;placental growth factor-like,placental growth factor, vascular endothelial growth factor-related protein	placental growth factor	
PGK1	NM_000291.3		phosphoglycerate kinase 1	
PHB	NM_002634.2		prohibitin	
PIK3CA	NM_006218.2	phosphoinositide-3-kinase, catalytic, alpha polypeptide,phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha	
PIK3CB	NM_001256045.1	PIK3C1;phosphoinositide-3-kinase, catalytic, beta polypeptide,phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit beta	
PIK3CD	NM_001350234.1	phosphoinositide-3-kinase, catalytic, delta polypeptide,phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit delta	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta	
PIK3R1	NM_001242466.1	phosphoinositide-3-kinase, regulatory subunit 1 (alpha)	phosphoinositide-3-kinase regulatory subunit 1	
PIK3R2	NM_005027.3	phosphoinositide-3-kinase, regulatory subunit 2 (beta)	phosphoinositide-3-kinase regulatory subunit 2	
PIK3R3	NM_00114172.1	phosphoinositide-3-kinase, regulatory subunit 3 (gamma)	phosphoinositide-3-kinase regulatory subunit 3	
PIK3R4	NM_014602.2	phosphoinositide-3-kinase, regulatory subunit 4	phosphoinositide-3-kinase regulatory subunit 4	
PIK3R5	NM_014308.3	phosphoinositide-3-kinase, regulatory subunit 5	phosphoinositide-3-kinase regulatory subunit 5	
PKM	NM_001206796.2	PKM2;pyruvate kinase, muscle	pyruvate kinase M1/2	
PLA2G4A	NM_024420.2	PLA2G4;phospholipase A2, group IVA (cytosolic, calcium-dependent)	phospholipase A2 group IVA	
PLAU	NM_002658.4		plasminogen activator, urokinase	
PLCB3	NM_000932.3	phospholipase C, beta 3 (phosphatidylinositol-specific)	phospholipase C beta 3	
PLCG2	NM_002661.3	phospholipase C, gamma 2 (phosphatidylinositol-specific)	phospholipase C gamma 2	
PLEK2	NM_016445.3		pleckstrin 2	
PLK1	NM_005030.3	PLK;polo-like kinase (Drosophila),polo-like kinase 1	polo like kinase 1	
PMAIP1	NM_021127.2		phorbol-12-myristate-13-acetate-induced protein 1	
PNOC	NM_001284244.1		prepronociceptin	
POLE	NM_006231.4	polymerase (DNA directed), epsilon,polymerase (DNA) epsilon, catalytic subunit	DNA polymerase epsilon, catalytic subunit	
POU5F1	NM_002701.4	OTF3;POU domain class 5, transcription factor 1	POU class 5 homeobox 1	POU5F1B (NM_001159542)
PPAN	NM_002030.6	peter pan (Drosophila) homolog,peter pan homolog (Drosophila)	peter pan homolog	
PRDX1	NM_002574.3	PAGA	peroxiredoxin 1	
PRDX2	NM_005809.6	TDPX1	peroxiredoxin 2	
PRDX6	NM_004905.3		peroxiredoxin 6	
PRF1	NM_001083116.1	perforin 1 (pore forming protein)	perforin 1	
PRIM1	NM_000946.2	primase, DNA, polypeptide 1 (49kDa),primase (DNA) subunit 1	DNA primase subunit 1	
PRKACA	NM_002730.3	protein kinase, cAMP-dependent, catalytic, alpha,protein kinase, cAMP-dependent, alpha catalytic subunit	protein kinase cAMP-activated catalytic subunit alpha	
PRKCA	NM_002737.2	PKCA;protein kinase C, alpha	protein kinase C alpha	
PRKCB	NM_212535.2	PRKCB2,PKCB,PRKCB1;protein kinase C, beta 1,protein kinase C, beta	protein kinase C beta	
PSMB10	NM_002801.3	MEC11;proteasome (prosome, macropain) subunit, beta type, 10,proteasome subunit beta 10	proteasome 20S subunit beta 10	
PSMB7	NM_002799.4	proteasome (prosome, macropain) subunit, beta type, 7,proteasome subunit beta 7	proteasome 20S subunit beta 7	
PSMB9	NM_002800.4	LMP2;proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2),large multifunctional peptidase 2,proteasome (prosome, macropain) subunit, beta type, 9,proteasome subunit beta 9	proteasome 20S subunit beta 9	
PTCH1	NM_000264.5	NBCCS,PTCH,patched (Drosophila) homolog,patched homolog (Drosophila),patched homolog 1 (Drosophila)	patched 1	
PTCH2	NM_003738.4	patched (Drosophila) homolog 2,patched homolog 2 (Drosophila)	patched 2	
PTEN	NM_000314.6	BZ5,MHAM	phosphatase and tensin homolog	
PTGER1	NM_000955.2	prostaglandin E receptor 1 (subtype EP1), 42kD,prostaglandin E receptor 1 (subtype EP1), 42kDa	prostaglandin E receptor 1	
PTGER2	NM_000956.3	prostaglandin E receptor 2 (subtype EP2), 53kD,prostaglandin E receptor 2 (subtype EP2), 53kDa	prostaglandin E receptor 2	
PTGER3	NM_000957.2	prostaglandin E receptor 3 (subtype EP3)	prostaglandin E receptor 3	
PTGER4	NM_000958.2	prostaglandin E receptor 4 (subtype EP4)	prostaglandin E receptor 4	
PTGS2	NM_000963.1	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	prostaglandin-endoperoxide synthase 2	
PTPN6	NM_002833.6		protein tyrosine phosphatase non-receptor type 6	
PTPRC	NM_008921.3	CD45	protein tyrosine phosphatase receptor type C	
RAC3	NM_001316307.1	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	Rac family small GTPase 3	
RAD51	NM_133487.3	RAD51A,RECA,RAD51 (S. cerevisiae) homolog (E coli RecA homolog),RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae),RAD51 homolog (S. cerevisiae)	RAD51 recombinase	
RAD51AP1	NM_006479.4		RAD51 associated protein 1	
RAD54B	NM_012415.2	RAD54 homolog B (S. cerevisiae)	RAD54 homolog B	Sub-maximal transcript coverage due to non-overlapping transcripts
RAD54L	NM_003579.4	RAD54 (S.cerevisiae)-like,RAD54 like (S. cerevisiae)	RAD54 like	
RAF1	NM_002880.2	v-raf-1 murine leukemia viral oncogene homolog 1	Raf-1 proto-oncogene, serine/threonine kinase	
RASA1	NM_002890.2	RASA;RAS p21 protein activator (GTPase activating protein) 1	RAS p21 protein activator 1	
RB1	NM_000321.2	OSRC;osteosarcoma,retinoblastoma 1	RB transcriptional corepressor 1	
RB1CC1	NM_001083617.1		RB1 inducible coiled-coil 1	
RBBP5	NM_005057.4	retinoblastoma-binding protein 5,retinoblastoma binding protein 5	RB binding protein 5, histone lysine methyltransferase complex subunit	
RBL1	NM_002895.2	retinoblastoma-like 1	RB transcriptional corepressor like 1	
RBX1	NM_014248.3		ring-box 1	
REL	NM_002908.3	v-rel avian reticuloendotheliosis viral oncogene homolog	REL proto-oncogene, NF-kB subunit	
RELB	NM_006509.3	v-rel avian reticuloendotheliosis viral oncogene homolog B (nuclear factor of kappa light polypeptide gene enhancer in B-cells 3)	RELB proto-oncogene, NF-kB subunit	
RET	NM_020630.4	HSCR1,MEN2A,MTCL1,MEN2B;multiple endocrine neoplasia and medullary thyroid carcinoma 1,Hirschsprung disease 1	ret proto-oncogene	
RFC2	NM_181471.3	replication factor C (activator 1) 2 (40kD),replication factor C (activator 1) 2, 40kDa	replication factor C subunit 2	
RFC3	NM_002915.3	replication factor C (activator 1) 3 (38kD),replication factor C (activator 1) 3, 38kDa	replication factor C subunit 3	
RFC4	NM_181573.2	replication factor C (activator 1) 4 (37kD),replication factor C (activator 1) 4, 37kDa	replication factor C subunit 4	
RICTOR	NM_001285439.1	RPTOR independent companion of mTOR, complex 2	RPTOR independent companion of mTOR complex 2	
RIMKL1	NM_020734.2	FAM80B;family with sequence similarity 80, member B	ribosomal modification protein rimK like family member B	

RNF111	NM_017610.6		ring finger protein 111
ROCK1	NM_005406.2		Rho associated coiled-coil containing protein kinase 1
ROCK2	NM_001321643.2		Rho associated coiled-coil containing protein kinase 2
RPA3	NM_002947.5	replication protein A3 [14kD],replication protein A3, 14kDa	replication protein A3
RPTOR	NM_001163034.1	regulatory associated protein of MTOR, complex 1	regulatory associated protein of MTOR complex 1
RRAGC	NM_001271851.1	Ras-related GTP binding C	Ras related GTP binding C
RRM2	NM_01034.1	C2orf48;ribonucleotide reductase M2 polypeptide,chromosome 2 open reading frame 48	ribonucleotide reductase regulatory subunit M2
RUNX1	NM_001001890.2	AML1,CBFA2;acute myeloid leukemia 1,run-related transcription factor 1,run-related transcription factor 1	RUNX family transcription factor 1
RUVBL1	NM_003707.3	RuvB (E coli homolog)-like 1,RuvB-like 1 (E. coli),RuvB-like AAA ATPase,RuvB-like AAA ATPase 1	RuvB like AAA ATPase 1
S100A12	NM_005621.1	S100 calcium-binding protein A12 (calgranulin C)	S100 calcium binding protein A12
SAV1	NM_021818.4	salvador homolog 1 (Drosophila)	salvador family WW domain containing protein 1
SDC1	NM_001006946.1	SDC	syndecan 1
SELL	NM_000655.4	LYAM1,LNHR;lymphocyte adhesion molecule 1	selectin L
SERPINB5	NM_002639.4	P15;serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5,serpin peptidase inhibitor, clade B (ovalbumin), member 5	serpin family B member 5
SERPINE1	NM_000602.4	inhibitor type 1, member 1	serpin family E member 1
SETD2	NM_014159.6	SET domain containing 2	SET domain containing 2, histone lysine methyltransferase
SF3B1	NM_001005526.1	splicing factor 3b, subunit 1, 155kD,splicing factor 3b, subunit 1, 155kDa	splicing factor 3b subunit 1
SFN	NM_006142.3		stratifin
SH2D1A	NM_001114937.2	IMDS,LYP;lymphoproliferative syndrome,SH2 domain protein 1A	SH2 domain containing 1A
SH3PXD2A	NM_014631.2	SH3MD1,SH3 multiple domains 1	SH3 and PX domains 2A
SHH	NM_001310462.2	HPE3,HLP3;sonic hedgehog (Drosophila) homolog	sonic hedgehog signaling molecule
SIGLEC5	NM_003830.3	CD33L2;sialic acid binding Ig-like lectin 5	sialic acid binding Ig like lectin 5
SIGLEC9	NM_001198558.1	sialic acid binding Ig-like lectin 9	sialic acid binding Ig like lectin 9
SIN3A	NM_001145357.2	SIN3 homolog A, transcription regulator (yeast),SIN3 transcription regulator homolog A (yeast)	SIN3 transcription regulator family member A
SIRPA	NM_001040023.1	PTPN51;protein tyrosine phosphatase, non-receptor type substrate 1,signal-regulatory protein alpha	signal regulatory protein alpha
SKA1	NM_145060.4	C18orf24;chromosome 18 open reading frame 24	spindle and kinetochore associated complex subunit 1
SKL1	NM_005414.5	SKI-like oncogene	SKI like proto-oncogene
SKP2	NM_005983.2	S-phase kinase-associated protein 2 (p45),S-phase kinase-associated protein 2, E3 ubiquitin protein ligase	S-phase kinase associated protein 2
SLC1A5	NM_001145144.1	RORC,M7V1;solute carrier family 1 (neutral amino acid transporter), member 5	solute carrier family 1 member 5
SLC2A1	NM_006516.2	GLUT1, GLUT,HTLV8,CSE;human T-cell leukemia virus (I and II) receptor, choreoathetosis/spasticity, episodic (paroxysmal choreoathetosis/spasticity), solute carrier family 2 (facilitated glucose transporter), member 1	solute carrier family 2 member 1
SLC7A5	NM_003486.6	solute carrier family 7 (amino acid transporter light chain, L system), member 5	solute carrier family 7 member 5
SLIT2	NM_004787.1	SLIT3;slit (Drosophila) homolog 2,slit homolog 2 (Drosophila)	slit guidance ligand 2
SLPI	NM_003064.3	secretory leukocyte protease inhibitor (antileukoprotease)	secretory leukocyte peptidase inhibitor
SMAD7	NM_005904.3	MADH8,MADH7;MAD, mothers against decapentaplegic homolog 7 (Drosophila),SMAD, mothers against DPP homolog 7 (Drosophila)	SMAD family member 7
SMC3	NM_005445.3	CSPG6;chondroitin sulfate proteoglycan 6 (bamacan)	structural maintenance of chromosomes 3
SMO	NM_005631.5	SMOH;smoothened (Drosophila) homolog,smoothened homolog (Drosophila),smoothened, seven transmembrane spanning receptor,smoothened, frizzled family receptor	smoothened, frizzled class receptor
SMS	NM_004595.2	SRS;Snyder-Robinson X-linked mental retardation syndrome	spermine synthase
SNAI1	NM_005985.3	snail 1 (drosophila homolog), zinc finger protein,snail homolog 1 (Drosophila),snail family zinc finger 1	snail family transcriptional repressor 1
SNAI2	NM_003068.5	SLUG;slug homolog, zinc finger protein (chicken),snail homolog 2 (Drosophila),snail family zinc finger 2	snail family transcriptional repressor 2
SOCS1	NM_003745.1		suppressor of cytokine signaling 1
SOCS3	NM_003955.4		suppressor of cytokine signaling 3
SOD1	NM_000454.4	ALS,ALS1;amyotrophic lateral sclerosis 1 (adult),superoxide dismutase 1, soluble	superoxide dismutase 1
SORD	NM_003104.5		sorbitol dehydrogenase
SOS1	NM_005633.3	GINGF;gingival fibromatosis, hereditary, 1,son of sevenless homolog 1 (Drosophila)	SOS Ras/Rac guanine nucleotide exchange factor 1
SOX2	NM_003106.2	SRY (sex determining region Y)-box 2,SRY-box 2	SRY-box transcription factor 2
SOX7	NM_011439.4	SRY (sex determining region Y)-box 7,SRY-box 7	SRY-box transcription factor 7
SPDEF	NM_011514457.1		SAM pointed domain containing ETS transcription factor
SPHK2	NM_001204159.3		sphingosine kinase 2
SPIB	NM_003121.3	Spi-B transcription factor (Spi-1/PU.1 related)	Spi-B transcription factor
SPINT1	NM_001032367.2	serine protease inhibitor, Kunitz type 1	serine peptidase inhibitor, Kunitz type 1
SPINT2	NM_001166103.1	serine protease inhibitor, Kunitz type 2	serine peptidase inhibitor, Kunitz type 2
SQLE	NM_003129.4		squalene epoxidase
SOSTM1	NM_003900.5	PDB3,OSL;Paget disease of bone 3,oxidative stress induced like	sequestosome 1
SRC	NM_005417.4	SRC1,v-src avian sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog	SRC proto-oncogene, non-receptor tyrosine kinase
SREBF1	NM_001005291.1		sterol regulatory element binding transcription factor 1
SRM	NM_003132.2	SRML1	spermidine synthase
SSRP1	NM_003146.3		structure specific recognition protein 1
STAG2	NM_001042749.2		stromal antigen 2
STAT1	NM_007315.3	signal transducer and activator of transcription 1, 91kD,signal transducer and activator of transcription 1, 91kDa	signal transducer and activator of transcription 1
STAT3	NM_003150.3	signal transducer and activator of transcription 3 (acute-phase response factor)	signal transducer and activator of transcription 3
STAT4	NM_001243835.1		signal transducer and activator of transcription 4
STING1	NM_198282.1	TMEM173;transmembrane protein 173	stimulator of interferon response cGAMP interactor 1
STIP1	NM_006819.3	stress-induced-phosphoprotein 1	stress induced phosphoprotein 1
STK3	NM_006281.4	serine/threonine kinase 3 [Ste20, yeast homolog]	serine/threonine kinase 3
STK4	NR_147975.1		serine/threonine kinase 4
SUPT16H	NM_007192.4	suppressor of Ty (S.cerevisiae) 16 homolog, suppressor of Ty 16 homolog (S. cerevisiae)	SPT16 homolog, facilitates chromatin remodeling subunit
SYK	NM_003177.5	spleen tyrosine kinase	spleen associated tyrosine kinase
TAP1	NM_000593.5	ABCB2;transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	transporter 1, ATP binding cassette subfamily B member
TAP2	NM_018833.2	ABCB3;transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	transporter 2, ATP binding cassette subfamily B member
TAPBP	NM_003190.4	TAP binding protein (tapasin)	TAP binding protein
TAZ	NM_181313.4	CMD3A,EFE2,EFE;endocardial fibroelastosis 2,cardiomyopathy, dilated 3A (X-linked)	tafazzin
TBRG4	NM_004749.2		transforming growth factor beta regulator 4
TBX21	NM_013351.1	T-box 21	T-box transcription factor 21
TCF7	NM_003202.3	transcription factor 7 (T-cell specific, HMG-box)	transcription factor 7
TCL1A	NM_001098725.1	T-cell leukemia/lymphoma 1A	T cell leukemia/lymphoma 1A
TCOF1	NM_000356.3	Treacher Collins-Franceschetti syndrome 1	treacle ribosome biogenesis factor 1
TEAD1	NM_021961.5	TEF13,AA;atrophia areata, peripapillary chorioretinal degeneration,TEA domain family member 1 (SV40 transcriptional enhancer factor)	TEA domain transcription factor 1
TEAD2	NM_003598.2	TEA domain family member 2	TEA domain transcription factor 2
TEK	NM_000459.4	VMCM;venous malformations, multiple cutaneous and mucosal,TEK tyrosine kinase, endothelial	TEK receptor tyrosine kinase
TERF2IP	NM_018975.4	telomeric repeat binding factor 2, interacting protein	TERF2 interacting protein
TERT	NM_198253.2		telomerase reverse transcriptase
TET2	NM_001127208.2	KIAA1546;KIAA1546,tet oncogene family member 2	tet methylcytosine dioxygenase 2
TFDP1	NM_007111.4		transcription factor Dp-1
TGFB1	NM_000660.4	TGFB,DPD1;transforming growth factor, beta 1	transforming growth factor beta 1
TGFB2	NM_001135599.3	transforming growth factor, beta 2	transforming growth factor beta 2
TGFB3	NM_001329938.1	ARVD1,ARVD;arrhythmogenic right ventricular dysplasia 1,transforming growth factor, beta 3	transforming growth factor beta 3
TGFBR2	NM_001024847.2	MFS2;transforming growth factor, beta receptor II (70/80kDa),transforming growth factor beta receptor II	transforming growth factor beta receptor 2
TGM2	NM_004613.2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	transglutaminase 2
THBS1	NM_003246.2		thrombospondin 1
THBS2	NM_003247.3		thrombospondin 2
TIGIT	NM_173799.2	VSIG9,VSTM3;VSIG9, VSTM3	T cell immunoreceptor with Ig and ITIM domains
TIMELESS	NM_003920.5	timeless (Drosophila) homolog,timeless homolog (Drosophila)	timeless circadian regulator
TJP1	NM_175610.2		tight junction protein 1



TLR3	NM_003265.2	toll-like receptor 3	toll like receptor 3
TLR4	NR_024168.1	toll-like receptor 4	toll like receptor 4
TM6SP2	NM_005656.3	transmembrane protease, serine 2	transmembrane serine protease 2
TNF	NM_000594.3	TNFA;tumor necrosis factor (TNF superfamily, member 2)	tumor necrosis factor
TNFAIP3	NM_001270508.1	tumor necrosis factor, alpha-induced protein 3	TNF alpha induced protein 3
TNFRSF17	NM_001192.2	BCMA;tumor necrosis factor receptor superfamily, member 17	TNF receptor superfamily member 17
TNFRSF18	NM_148901.1	tumor necrosis factor receptor superfamily, member 18	TNF receptor superfamily member 18
TNFRSF4	NM_003327.3	TGFB1;tumor necrosis factor receptor superfamily, member 4	TNF receptor superfamily member 4
TNFRSF9	NM_001561.5	IL1A;tumor necrosis factor receptor superfamily, member 9	TNF receptor superfamily member 9
TNFSF11	NM_003701.2	tumor necrosis factor (ligand) superfamily, member 11	TNF superfamily member 11
TNFSF13B	NM_001145645.2	TNFSF20;tumor necrosis factor (ligand) superfamily, member 13b	TNF superfamily member 13b
TNFSF14	NM_003807.3	tumor necrosis factor (ligand) superfamily, member 14	TNF superfamily member 14
TNFSF8	NM_001244.3	CD30LG;tumor necrosis factor (ligand) superfamily, member 8	TNF superfamily member 8
TNS1	NM_022648.5	TNS, MXRA6; tensin, matrix-remodelling associated 6	tensin 1
TNS4	NM_032865.5		tensin 4
TOP2A	NM_001067.3	TOP2;topoisomerase (DNA) II alpha 170kDa	DNA topoisomerase II alpha
TOX	NM_014729.2		thymocyte selection associated high mobility group box
TOX2	NM_001098798.1	C20orf100;chromosome 20 open reading frame 100	TOX high mobility group box family member 2
TOX3	NM_001080430.4	TNRC9;trinucleotide repeat containing 9	TOX high mobility group box family member 3
TOX4	NM_014828.2	C14orf92, KIAA0737; chromosome 14 open reading frame 92, KIAA0737	TOX high mobility group box family member 4
TP53	NM_000546.2		tumor protein p53
TP73	NM_005427.4		tumor protein p73
TPD52	NM_001025252.3		tumor protein D52
TPPI1	NM_000365.5		triosephosphate isomerase 1
TPSAB1/B2	NM_003294.3		tryptase alpha/beta 1; tryptase beta 2
TPX2	NM_012112.4	C20orf2, C20orf1; chromosome 20 open reading frame 1, TPX2, microtubule-associated, homolog (Xenopus laevis), TPX2, microtubule-associated	TPX2 microtubule nucleation factor
TRAF1	NM_001190945.1		TNF receptor associated factor 1
TRAF6	NM_145803.1	TNF receptor-associated factor 6, E3 ubiquitin protein ligase	TNF receptor associated factor 6
TRAF1	NM_016388.3	TCRIM, TCRIM	T cell receptor associated transmembrane adaptor 1
TRRAP	NM_003496.2	transformation/transcription domain-associated protein	transformation/transcription domain associated protein
TSPAN1	NM_005727.4		tetraspanin 1
TTK	NM_003318.4		TTK protein kinase
TUBG1	NM_001070.5	TUBG; tubulin, gamma polypeptide, tubulin, gamma 1	tubulin gamma 1
TXN	NM_003329.2		thioredoxin
TXN2	NM_012473.3		thioredoxin 2
TXNRD2	NM_006440.3		thioredoxin reductase 2
TYROBP	NM_003332.3	PLOSL; polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy, TYRO	transmembrane immune signaling adaptor TYROBP
UBE2C	NM_007019.2	ubiquitin-conjugating enzyme E2C	ubiquitin conjugating enzyme E2 C
UBE2T	NM_014176.1	ubiquitin-conjugating enzyme E2T	ubiquitin conjugating enzyme E2 T
UCHL5	NM_001199261.3	ubiquitin carboxyl-terminal hydrolase L5	ubiquitin C-terminal hydrolase L5
UGDH	NM_003359.4	UDP-glucose dehydrogenase	UDP-glucose 6-dehydrogenase
VAV1	NM_001258206.1	VAV, vav 1 oncogene, vav 1 guanine nucleotide exchange factor	vav guanine nucleotide exchange factor 1
VCP	NM_007126.5	valosin-containing protein	valosin containing protein
VEGFA	NM_001171623.1	VEGF; vascular endothelial growth factor	vascular endothelial growth factor A
VEGFB	NM_003377.3	VRF	vascular endothelial growth factor B
VEGFC	NM_005429.4		vascular endothelial growth factor C
VEGFD	NM_004469.4	FIGF; c-fos induced growth factor (vascular endothelial growth factor D)	vascular endothelial growth factor D
VWF	NM_000552.3	F8VWF	von Willebrand factor
WASF2	NM_006990.5	WAS protein family, member 2, WAS protein family member 2	WASP family member 2
WEE1	NM_003390.4	wee1+ (S. pombe) homolog, WEE1 homolog (S. pombe)	WEE1 G2 checkpoint kinase
WNT5A	NM_003392.3	wingless-type MMTV integration site family, member 5A	Wnt family member 5A
WRAP53	NM_001143991.2	WDR79; WD repeat domain 79, WD repeat containing, antisense to TP53	WD repeat containing antisense to TP53
WWC1	NM_015238.2	WW, C2 and coiled-coil domain containing 1	WW and C2 domain containing 1
WWTR1	NM_001168278.1		WW domain containing transcription regulator 1
XBP1	NM_005080.2	XBP2	X-box binding protein 1
XCL1/2	NM_002995.2	SCYC2; small inducible cytokine subfamily C, member 2, chemokine (C motif) ligand 2	X-C motif chemokine ligand 1/2
XRCC2	NM_005431.1	X-ray repair complementing defective repair in Chinese hamster cells 2	X-ray repair cross complementing 2
YAP1	NM_001130145.2	Yes-associated protein 1, 65kDa	Yes associated protein 1
ZAP70	NM_001079.3	SRK, SRK	zeta chain of T cell receptor associated protein kinase 70
ZEB1	NM_001128128.2	TCF8, PPCD3; transcription factor 8 (represses interleukin 2 expression), posterior polymorphous corneal dystrophy 3	zinc finger E-box binding homeobox 1
ZMYM2	NM_003453.5	ZNF198; zinc finger protein 198	zinc finger MYM-type containing 2
<b>Internal Reference Genes</b>			
ABCF1	NM_001090.2	ABCS0; ATP-binding cassette, sub-family F (GCN20), member 1	ATP binding cassette subfamily F member 1
DNAJC14	NM_032364.5	DnaJ (Hsp40) homolog, subfamily C, member 14	DnaJ heat shock protein family (Hsp40) member C14
ERCC3	NM_000122.1	repair cross-complementation group 3	ERCC excision repair 3, TFIIH core complex helicase subunit
G6PD	NM_000402.4		glucose-6-phosphate dehydrogenase
GUSB	NM_000181.1	glucuronidase, beta	glucuronidase beta
MRPL19	NM_014763.3		mitochondrial ribosomal protein L19
NRDE2	NM_017970.3	C14orf102; chromosome 14 open reading frame 102	NRDE-2, necessary for RNA interference, domain containing
OAZ1	NM_004152.2	OAZ	ornithine decarboxylase antizyme 1
POLR2A	NM_000937.2	POLR2; polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	RNA polymerase II subunit A
PSMC4	NM_006503.2	MIP224; proteasome (prosome, macropain) 26S subunit, ATPase, 4	proteasome 26S subunit, ATPase 4
PUM1	NM_001020658.1	pumilio homolog 1 (Drosophila)	pumilio RNA binding family member 1
SDHA	NM_004168.3	SDH2; succinate dehydrogenase complex, subunit A, flavoprotein (Fp), succinate dehydrogenase complex subunit A, flavoprotein (Fp)	succinate dehydrogenase complex flavoprotein subunit A
SF3A1	NM_005877.4	splicing factor 3a, subunit 1, 120kD, splicing factor 3a, subunit 1, 120kDa	splicing factor 3a subunit 1
STK11IP	NM_052902.2		serine/threonine kinase 11 interacting protein
TBC1D10B	NM_015527.3	TBC1 domain family, member 10B	TBC1 domain family member 10B
TBP	NM_001172085.1	GTF2D1, SCA17	TATA-box binding protein
TFRC	NM_003234.1	transferrin receptor (p90, CD71)	transferrin receptor
TLK2	NM_006852.3	tousled-like kinase 2	tousled like kinase 2
TMUB2	NM_177441.2	transmembrane and ubiquitin-like domain containing 2	transmembrane and ubiquitin like domain containing 2
UBB	NM_018955.3		ubiquitin B
#REF!			#REF!