Supplementary File 2.

Out of 21,329 genes in the arrays, 132 genes correlated positively and 203 genes correlated negatively with *KRT19* expression, using a total of 139 HCC samples.

Genes (n=132) positively correlated to KRT19 expression:

Gene	Pearson	Name
KRT19	1.00	keratin 19 (KRT19), mRNA.
CTBP2	0.73	C-terminal binding protein 2 (CTBP2), transcript variant 1, mRNA.
S100A6	0.73	S100 calcium binding protein A6 (calcyclin) (S100A6), mRNA.
PROM1	0.69	prominin 1 (PROM1), mRNA.
LRRC16	0.69	leucine rich repeat containing 16 (LRRC16), mRNA.
KIAA1363	0.68	KIAA1363 protein (KIAA1363), mRNA.
VASP	0.67	Vasodilator-stimulated phosphoprotein
C12orf14	0.65	chromosome 12 open reading frame 14 (C12orf14), mRNA.
ANXA3	0.65	annexin A3 (ANXA3), mRNA.
RAB25	0.65	RAB25, member RAS oncogene family (RAB25), mRNA.
CTHRC1	0.64	collagen triple helix repeat containing 1 (CTHRC1), mRNA.
SPINT1	0.64	serine protease inhibitor, Kunitz type 1 (SPINT1), transcript variant 2, mRNA.
LAMC2	0.63	laminin, gamma 2 (LAMC2), transcript variant 1, mRNA.
TACSTD2	0.63	tumor-associated calcium signal transducer 2 (TACSTD2), mRNA.
CT120	0.63	membrane protein expressed in epithelial-like lung adenocarcinoma (CT120), mRNA.
COL10A1	0.62	collagen, type X, alpha 1(Schmid metaphyseal chondrodysplasia) (COL10A1), mRNA.
S100A14	0.61	S100 calcium binding protein A14 (S100A14), mRNA.
DDR1	0.61	discoidin domain receptor family, member 1 (DDR1), transcript variant 2, mRNA.
C20orf35	0.61	chromosome 20 open reading frame 35 (C20orf35), mRNA.
CDK2AP1	0.61	CDK2-associated protein 1 (CDK2AP1), mRNA.
GRB7	0.60	growth factor receptor-bound protein 7 (GRB7), mRNA.
GSTP1	0.60	glutathione S-transferase pi (GSTP1), mRNA.
HRMT1L1	0.60	HMT1 hnRNP methyltransferase-like 1 (S. cerevisiae) (HRMT1L1), transcript variant 2, mRNA.
VEZATIN	0.59	transmembrane protein vezatin (VEZATIN), mRNA.
ADAM8	0.59	a disintegrin and metalloproteinase domain 8 (ADAM8), mRNA.
CEACAM6	0.59	carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen) (CEACAM6), mRNA.
C6orf29	0.59	chromosome 6 open reading frame 29 (C6orf29), mRNA.
TRIP10	0.59	thyroid hormone receptor interactor 10 (TRIP10), mRNA.
C6orf83	0.59	chromosome 6 open reading frame 83 (C6orf83), mRNA.
RMSA1	0.59	Regulator of mitotic spindle assembly 1
SPINT2	0.58	serine protease inhibitor, Kunitz type, 2 (SPINT2), mRNA.
SLC9A2	0.58	solute carrier family 9 (sodium/hydrogen exchanger), isoform 2 (SLC9A2), mRNA.
ITPR3	0.58	inositol 1,4,5-triphosphate receptor, type 3 (ITPR3), mRNA.
PRKCD	0.58	protein kinase C, delta (PRKCD), transcript variant 2, mRNA.
TM4SF1	0.58	Transmembrane 4 superfamily member 1
HK1	0.58	hexokinase 1 (HK1), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA.
MAPK13	0.58	mitogen-activated protein kinase 13 (MAPK13), mRNA.
GALNT7	0.58	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 7 (GalNAc-T7) (GALNT7), mRNA.
LAMB1	0.58	laminin, beta 1 (LAMB1), mRNA.
IQGAP1	0.58	IQ motif containing GTPase activating protein 1 (IQGAP1), mRNA.
SULF2	0.57	sulfatase 2 (SULF2), transcript variant 2, mRNA.
ISYNA1	0.57	myo-inositol 1-phosphate synthase A1 (ISYNA1), mRNA.
SEMA3C	0.57	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C

		(SEMA3C), mRNA.
CSDA	0.57	cold shock domain protein A (CSDA), mRNA.
ITIH5	0.57	inter-alpha (globulin) inhibitor H5 (ITIH5), transcript variant 2, mRNA.
RBMS1	0.57	RNA binding motif, single stranded interacting protein 1
RBMS1	0.57	RNA binding motif, single stranded interacting protein 1 (RBMS1), transcript variant 3, mRNA.
PLSCR1	0.57	phospholipid scramblase 1 (PLSCR1), mRNA.
LOC91461	0.57	PREDICTED: Homo sapiens hypothetical protein BC007901 (LOC91461), mRNA.
RAB27B	0.57	RAB27B, member RAS oncogene family
KLF5	0.56	Kruppel-like factor 5 (intestinal) (KLF5), mRNA.
FXYD3	0.56	FXYD domain containing ion transport regulator 3 (FXYD3), transcript variant 1, mRNA.
VCL	0.56	vinculin (VCL), transcript variant 2, mRNA.
NFE2L3	0.56	nuclear factor (erythroid-derived 2)-like 3 (NFE2L3), mRNA.
PDE4A	0.56	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila) (PDE4A), mRNA.
AREG	0.56	amphiregulin (schwannoma-derived growth factor) (AREG), mRNA.
HUMPPA	0.56	Paraneoplastic antigen
HOP	0.56	homeodomain-only protein (HOP), transcript variant 2, mRNA.
TRIM29	0.56	tripartite motif-containing 29 (TRIM29), transcript variant 2, mRNA.
KIAA0540	0.55	PREDICTED: Homo sapiens KIAA0540 protein (KIAA0540), mRNA.
LOC253981	0.55	Hypothetical protein LOC253981
ELF4	0.55	E74-like factor 4 (ets domain transcription factor) (ELF4), mRNA.
F3	0.55	coagulation factor III (thromboplastin, tissue factor) (F3), mRNA.
TM4SF1	0.55	transmembrane 4 superfamily member 1 (TM4SF1), mRNA.
D2S448	0.55	PREDICTED: Homo sapiens Melanoma associated gene (D2S448), mRNA.
TNFRSF21	0.55	tumor necrosis factor receptor superfamily, member 21 (TNFRSF21), mRNA.
ADD3	0.55	adducin 3 (gamma) (ADD3), transcript variant 2, mRNA.
NEDD5	0.54	neural precursor cell expressed, developmentally down-regulated 5 (NEDD5), mRNA.
SLC9A1	0.54	solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive) (SLC9A1), mRNA.
KIAA1411	0.54	PREDICTED: Homo sapiens KIAA1411 (KIAA1411), mRNA.
C20orf103	0.54	chromosome 20 open reading frame 103 (C20orf103), mRNA.
TEAD4	0.54	TEA domain family member 4 (TEAD4), transcript variant 3, mRNA.
TUBB6	0.54	tubulin beta MGC4083 (MGC4083), mRNA.
LOC146439	0.54	PREDICTED: Homo sapiens hypothetical LOC146439 (LOC146439), mRNA.
SLC25A6	0.54	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6 (SLC25A6), mRNA.
MTHFD2	0.54	methylene tetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase (MTHFD2), mRNA.
TMSB10	0.54	thymosin, beta 10 (TMSB10), mRNA.
S100A14	0.53	S100 calcium binding protein A14 (calgizzarin)
RGS2	0.53	regulator of G-protein signalling 2, 24kDa (RGS2), mRNA.
C7orf23	0.53	chromosome 7 open reading frame 23 (C7orf23), mRNA.
ITGA3	0.53	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor) (ITGA3), transcript variant b, mRNA.
KRT7	0.53	keratin 7 (KRT7), mRNA.
PKM2	0.53	pyruvate kinase, muscle (PKM2), transcript variant 1, mRNA.
SLC6A14	0.53	solute carrier family 6 (neurotransmitter transporter), member 14 (SLC6A14), mRNA.
MDFI	0.53	MyoD family inhibitor (MDFI), mRNA.
AGRN	0.53	PREDICTED: Homo sapiens agrin (AGRN), mRNA.
ARHGAP18	0.53	Rho GTPase activating protein 18 (ARHGAP18), mRNA.
TSC	0.53	hypothetical protein FLJ20607 (TSC), mRNA.
PLEKHB1	0.53	pleckstrin homology domain containing, family B (evectins) member 1 (PLEKHB1), mRNA.
HES4	0.53	hairy and enhancer of split 4 (Drosophila) (HES4), mRNA.
MAPRE1	0.53	microtubule-associated protein, RP/EB family, member 1 (MAPRE1), mRNA.
C15orf22	0.52	chromosome 15 open reading frame 22 (C15orf22), mRNA.
JAG1	0.52	jagged 1 (Alagille syndrome) (JAG1), mRNA.

DSC2	0.52	desmocollin 2 (DSC2), transcript variant Dsc2a, mRNA.
HDAC7A	0.52	histone deacetylase 7A (HDAC7A), transcript variant 2, mRNA.
HMGA2	0.52	high mobility group AT-hook 2 (HMGA2), mRNA.
FGD6	0.52	FYVE, RhoGEF and PH domain containing 6
KRT17	0.52	keratin 17 (KRT17), mRNA.
LTBP1	0.52	latent transforming growth factor beta binding protein 1 (LTBP1), transcript variant 2, mRNA.
FLJ20171	0.52	hypothetical protein FLJ20171 (FLJ20171), mRNA.
SERPINH1	0.52	serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1), mRNA.
MGC11242	0.52	hypothetical protein MGC11242 (MGC11242), mRNA.
NCK2	0.52	NCK adaptor protein 2
SEPW1	0.52	selenoprotein W, 1 (SEPW1), mRNA.
MC3R	0.52	melanocortin 3 receptor (MC3R), mRNA.
MAL2	0.52	mal, T-cell differentiation protein 2 (MAL2), mRNA.
CDCP1	0.52	CUB domain-containing protein 1 (CDCP1), transcript variant 1, mRNA.
SLC4A7	0.51	solute carrier family 4, sodium bicarbonate cotransporter, member 7 (SLC4A7), mRNA.
GPR56	0.51	G protein-coupled receptor 56 (GPR56), transcript variant 3, mRNA.
CRIP1	0.51	cysteine-rich protein 1 (intestinal) (CRIP1), mRNA.
ZNF267	0.51	zinc finger protein 267 (ZNF267), transcript variant 498723, mRNA.
AGR2	0.51	anterior gradient 2 homolog (Xenopus laevis) (AGR2), mRNA.
TD-60	0.51	RCC1-like (TD-60), mRNA.
SARG	0.51	Specifically androgen-regulated protein
LOC387882	0.51	hypothetical protein (LOC387882), mRNA.
CLIC1	0.51	chloride intracellular channel 1 (CLIC1), mRNA.
TM4SF14	0.51	tetraspanin similar to TM4SF9 (DC-TM4F2), mRNA.
MYO10	0.51	myosin X (MYO10), mRNA.
ITGB6	0.51	integrin, beta 6 (ITGB6), mRNA.
SPHK1	0.51	sphingosine kinase 1 (SPHK1), mRNA.
LOC144501	0.51	hypothetical protein LOC144501 (LOC144501), mRNA.
DYRK2	0.51	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2 (DYRK2), transcript variant 1, mRNA.
FLJ10901	0.51	hypothetical protein FLJ10901 (FLJ10901), mRNA.
OSBPL10	0.51	oxysterol binding protein-like 10 (OSBPL10), mRNA.
CGI-62	0.51	CGI-62 protein (CGI-62), mRNA.
MARVELD1	0.50	MARVEL domain containing 1 (MARVELD1), mRNA.
CSNK1E	0.50	casein kinase 1, epsilon (CSNK1E), transcript variant 2, mRNA.
LHFPL2	0.50	lipoma HMGIC fusion partner-like 2 (LHFPL2), mRNA.
ANXA1	0.50	annexin A1 (ANXA1), mRNA.
TAX1BP3	0.50	Tax1 (human T-cell leukemia virus type I) binding protein 3 (TAX1BP3), mRNA.
CSNK1G2	0.50	casein kinase 1, gamma 2 (CSNK1G2), mRNA.
LMCD1	0.50	LIM and cysteine-rich domains 1 (LMCD1), mRNA.

Genes (n=203) negatively correlated to KRT19 expression:

Gene	Pearson	Name
ABAT	-0.50	4-aminobutyrate aminotransferase (ABAT), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA.
F12	-0.50	coagulation factor XII (Hageman factor) (F12), mRNA.
FLJ20581	-0.50	hypothetical protein FLJ20581 (FLJ20581), mRNA.
FLCN	-0.50	folliculin (FLCN), transcript variant 1, mRNA.
ABCC6	-0.50	ATP-binding cassette, sub-family C (CFTR/MRP), member 6 (ABCC6), mRNA.
ACOX1	-0.50	acyl-Coenzyme A oxidase 1, palmitoyl (ACOX1), transcript variant 1, mRNA.
PON3	-0.50	Paraoxonase 3

NR1I2	-0.50	nuclear receptor subfamily 1, group I, member 2 (NR1I2), transcript variant 2, mRNA.
SLC25A20	-0.50	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, nuclear gene encoding mitochondrial protein, mRNA.
KLKB1	-0.50	kallikrein B, plasma (Fletcher factor) 1 (KLKB1), mRNA.
APOE	-0.50	apolipoprotein E (APOE), mRNA.
C6	-0.50	complement component 6 (C6), mRNA.
CYP3A43	-0.50	cytochrome P450, family 3, subfamily A, polypeptide 43 (CYP3A43), transcript variant 3, mRNA.
RRH	-0.50	retinal pigment epithelium-derived rhodopsin homolog (RRH), mRNA.
AMBP	-0.51	alpha-1-microglobulin/bikunin precursor (AMBP), mRNA.
CABC1	-0.51	chaperone, ABC1 activity of bc1 complex like (S. pombe) (CABC1), mRNA.
APCS	-0.51	amyloid P component, serum (APCS), mRNA.
SELENBP1	-0.51	Selenium binding protein 1
ANAPC2	-0.51	anaphase promoting complex subunit 2 (ANAPC2), mRNA.
GGCX	-0.51	gamma-glutamyl carboxylase (GGCX), mRNA.
SLC27A5	-0.51	solute carrier family 27 (fatty acid transporter), member 5 (SLC27A5), mRNA.
FLJ20054	-0.51	Family with sequence similarity 31, member B
HNF4A	-0.51	hepatocyte nuclear factor 4, alpha (HNF4A), transcript variant 2, mRNA.
HADHSC	-0.51	L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain (HADHSC), mRNA.
LEAP-2	-0.51	liver-expressed antimicrobial peptide 2 (LEAP-2), mRNA.
DHCR24	-0.51	24-dehydrocholesterol reductase (DHCR24), mRNA.
ECHS1	-0.51	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial (ECHS1), nuclear gene encoding mitochondrial protein, mRNA.
ACMSD	-0.51	aminocarboxymuconate semialdehyde decarboxylase (ACMSD), mRNA.
OGDHL	-0.51	oxoglutarate dehydrogenase-like (OGDHL), mRNA.
CBR1	-0.51	carbonyl reductase 1 (CBR1), mRNA.
SLC35D1	-0.51	Solute carrier family 35 (UDP-glucuronic acid/UDP-N-acetylgalactosamine dual transporter), member D1
WDR23	-0.51	WD repeat domain 23 (WDR23), transcript variant 2, mRNA.
GJB1	-0.51	Gap junction protein, beta 1, 32kDa (connexin 32, Charcot-Marie-Tooth neuropathy, X-linked)
ALDH1A1	-0.51	aldehyde dehydrogenase 1 family, member A1 (ALDH1A1), mRNA.
SLC31A1	-0.51	solute carrier family 31 (copper transporters), member 1 (SLC31A1), mRNA.
MTCBP-1	-0.51	membrane-type 1 matrix metalloproteinase cytoplasmic tail binding protein-1 (MTCBP-1), mRNA.
PLA2G12B	-0.52	phospholipase A2, group XIIB (PLA2G12B), mRNA.
LOC339263	-0.52	PREDICTED: Homo sapiens hypothetical protein LOC339263 (LOC339263), mRNA.
SFXN5	-0.52	sideroflexin 5 (SFXN5), mRNA.
SNX15	-0.52	sorting nexin 15 (SNX15), transcript variant B, mRNA.
PHYH	-0.52	phytanoyl-CoA hydroxylase (Refsum disease) (PHYH), mRNA.
PDCD8	-0.52	programmed cell death 8 (apoptosis-inducing factor), nuclear gene encoding mitochondrial protein, transcript variant 3, mRNA.
SDC1	-0.52	syndecan 1 (SDC1), mRNA.
APOC2	-0.52	apolipoprotein C-II (APOC2), mRNA.
HRG	-0.52	histidine-rich glycoprotein (HRG), mRNA.
MGC15937	-0.52	similar to RIKEN cDNA 0610008P16 gene (MGC15937), mRNA.
GGH	-0.52	gamma-glutamyl hydrolase (conjugase, folylpolygammaglutamyl hydrolase) (GGH), mRNA.
AGXT	-0.52	Alanine-glyoxylate aminotransferase (oxalosis I; hyperoxaluria I; glycolicaciduria; serine-pyruvate aminotransferase)
MAP4K1	-0.52	mitogen-activated protein kinase kinase kinase kinase 1 (MAP4K1), mRNA.
AKR1C1	-0.52	aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase (DH) 1; 20-alpha (3-alpha)-hydroxysteroid DH), mRNA.
DMGDH	-0.52	dimethylglycine dehydrogenase (DMGDH), nuclear gene encoding mitochondrial protein, mRNA.
H6PD	-0.52	Hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)
DECR2	-0.52	2,4-dienoyl CoA reductase 2, peroxisomal (DECR2), mRNA.
SYVN1	-0.52	synovial apoptosis inhibitor 1, synoviolin (SYVN1), transcript variant 1, mRNA.
ATF3	-0.52	activating transcription factor 3 (ATF3), mRNA.
PDXP	-0.52	pyridoxal (pyridoxine, vitamin B6) phosphatase (PDXP), mRNA.

SERPING1	-0.52	serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1, (angioedema, hereditary) (SERPING1), mRNA.
SEPX1	-0.52	selenoprotein X, 1 (SEPX1), mRNA.
SIAH2	-0.52	seven in absentia homolog 2 (Drosophila) (SIAH2), mRNA.
RODH	-0.52	3-hydroxysteroid epimerase
DHRS3	-0.52	dehydrogenase/reductase (SDR family) member 3 (DHRS3), mRNA.
ACOX2	-0.52	acyl-Coenzyme A oxidase 2, branched chain (ACOX2), mRNA.
AGT	-0.52	angiotensinogen (serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 8), mRNA.
LPA	-0.52	lipoprotein, Lp(a) (LPA), mRNA.
DCXR	-0.53	dicarbonyl/L-xylulose reductase (DCXR), mRNA.
ACSL1	-0.53	Acyl-CoA synthetase long-chain family member 1
SLC27A2	-0.53	solute carrier family 27 (fatty acid transporter), member 2 (SLC27A2), mRNA.
C5	-0.53	complement component 5 (C5), mRNA.
HSDL2	-0.53	chromosome 9 open reading frame 99 (C9orf99), mRNA.
CFHL3	-0.53	complement factor H-related 3 (CFHL3), mRNA.
SLC38A4	-0.53	solute carrier family 38, member 4 (SLC38A4), mRNA.
CCR4	-0.53	Chemokine (C-C motif) receptor 4
GATM	-0.53	glycine amidinotransferase (L-arginine:glycine amidinotransferase) (GATM), mRNA.
TCEA3	-0.53	transcription elongation factor A (SII), 3 (TCEA3), mRNA.
F5	-0.53	coagulation factor V (proaccelerin, labile factor) (F5), mRNA.
ABCB4	-0.53	ATP-binding cassette, sub-family B (MDR/TAP), member 4 (ABCB4), transcript variant B, mRNA.
AQP9	-0.53	aquaporin 9 (AQP9), mRNA.
ALDOB	-0.53	aldolase B, fructose-bisphosphate (ALDOB), mRNA.
SEC22L3	-0.53	SEC22 vesicle trafficking protein-like 3 (S. cerevisiae) (SEC22L3), transcript variant 2, mRNA.
CYP4F2	-0.53	cytochrome P450, family 4, subfamily F, polypeptide 2 (CYP4F2), mRNA.
IF	-0.53	I factor (complement) (IF), mRNA.
SERPINF1	-0.53	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1, mRNA.
FLJ14146	-0.53	hypothetical protein FLJ14146 (FLJ14146), mRNA.
FMO3	-0.54	flavin containing monooxygenase 3 (FMO3), transcript variant 1, mRNA.
CRYM	-0.54	crystallin, mu (CRYM), mRNA.
POR	-0.54	P450 (cytochrome) oxidoreductase (POR), mRNA.
WBSCR14	-0.54	Williams Beuren syndrome chromosome region 14 (WBSCR14), transcript variant 5, mRNA.
GLRA3	-0.54	glycine receptor, alpha 3 (GLRA3), mRNA.
C1QTNF4	-0.54	C1q and tumor necrosis factor related protein 4 (C1QTNF4), mRNA.
PAH	-0.54	phenylalanine hydroxylase (PAH), mRNA.
C6orf80	-0.54	chromosome 6 open reading frame 80 (C6orf80), mRNA.
SOD1	-0.54	superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult)) (SOD1), mRNA.
ABCG8	-0.54	ATP-binding cassette, sub-family G (WHITE), member 8 (sterolin 2) (ABCG8), mRNA.
C1S	-0.54	complement component 1, s subcomponent (C1S), transcript variant 1, mRNA.
HSD11B1	-0.54	hydroxysteroid (11-beta) dehydrogenase 1 (HSD11B1), transcript variant 1, mRNA.
ABCG5	-0.54	ATP-binding cassette, sub-family G (WHITE), member 5 (sterolin 1) (ABCG5), mRNA.
CHPT1	-0.54	choline phosphotransferase 1 (CHPT1), mRNA.
FLJ20699	-0.54	hypothetical protein FLJ20699 (FLJ20699), mRNA.
PEX19	-0.54	peroxisomal biogenesis factor 19 (PEX19), mRNA.
LOC150383	-0.54	Similar to RIKEN cDNA 2210021J22
PC	-0.54	pyruvate carboxylase (PC), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA.
ARG1	-0.54	arginase, liver (ARG1), mRNA.
CRYL1	-0.54	crystallin, lambda 1 (CRYL1), mRNA.
LOC123876	-0.55	PREDICTED: Homo sapiens hypothetical protein LOC123876 (LOC123876), mRNA.
GPX3	-0.55	glutathione peroxidase 3 (plasma) (GPX3), mRNA.
RXRA	-0.55	retinoid X receptor, alpha (RXRA), mRNA.
C6orf60	-0.55	Chromosome 6 open reading frame 60

SLC38A3	-0.55	solute carrier family 38, member 3 (SLC38A3), mRNA.
ABCB1	-0.55	ATP-binding cassette, sub-family B (MDR/TAP), member 1 (ABCB1), mRNA.
ARMC7	-0.55	armadillo repeat containing 7 (ARMC7), mRNA.
CYP27A1	-0.55	cytochrome P450, family 27, subfamily A, polypeptide 1 (CYP27A1), nuclear gene encoding mitochondrial protein, mRNA.
UGT1A1	-0.55	UDP glycosyltransferase 1 family, polypeptide A1 (UGT1A1), mRNA.
VTN	-0.55	vitronectin (serum spreading factor, somatomedin B, complement S-protein) (VTN), mRNA.
HYAL1	-0.55	hyaluronoglucosaminidase 1 (HYAL1), transcript variant 6, mRNA.
IL6R	-0.55	interleukin 6 receptor (IL6R), transcript variant 2, mRNA.
BTD	-0.56	biotinidase (BTD), mRNA.
CES3	-0.56	Carboxylesterase 3 (brain)
MAOA	-0.56	monoamine oxidase A (MAOA), nuclear gene encoding mitochondrial protein, mRNA.
CES2	-0.56	carboxylesterase 2 (intestine, liver) (CES2), transcript variant 1, mRNA.
COQ6	-0.56	Coenzyme Q6 homolog (yeast)
PKLR	-0.56	pyruvate kinase, liver and RBC (PKLR), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA.
FAM20A	-0.56	family with sequence similarity 20, member A (FAM20A), mRNA.
AKR1C4	-0.56	aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase (DH), type I; dihydrodiol DH4), mRNA.
TIP120B	-0.56	PREDICTED: Homo sapiens TBP-interacting protein (TIP120B), mRNA.
MUT	-0.56	methylmalonyl Coenzyme A mutase (MUT), nuclear gene encoding mitochondrial protein, mRNA.
PMVK	-0.56	phosphomevalonate kinase (PMVK), mRNA.
FLJ22578	-0.56	hypothetical protein FLJ22578 (FLJ22578), mRNA.
SLC30A1	-0.56	Solute carrier family 30 (zinc transporter), member 1
ITIH4	-0.56	inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein) (ITIH4), mRNA.
IL3	-0.56	interleukin 3 (colony-stimulating factor, multiple) (IL3), mRNA.
GAMT	-0.57	guanidinoacetate N-methyltransferase (GAMT), transcript variant 1, mRNA.
PLG	-0.57	plasminogen (PLG), mRNA.
CES1	-0.57	carboxylesterase 1 (monocyte/macrophage serine esterase 1) (CES1), mRNA.
RARRES2	-0.57	retinoic acid receptor responder (tazarotene induced) 2 (RARRES2), mRNA.
CRAT	-0.57	carnitine acetyltransferase (CRAT), transcript variant 3, mRNA.
F2	-0.57	coagulation factor II (thrombin) (F2), mRNA.
AZGP1	-0.57	alpha-2-glycoprotein 1, zinc (AZGP1), mRNA.
CYP2D6	-0.57	Cytochrome P450, family 2, subfamily D, polypeptide 6
ASGR1	-0.57	asialoglycoprotein receptor 1 (ASGR1), mRNA.
DPYS	-0.57	dihydropyrimidinase (DPYS), mRNA.
ITIH3	-0.57	inter-alpha (globulin) inhibitor H3 (ITIH3), mRNA.
OTC	-0.57	Ornithine carbamoyltransferase
HAO1	-0.57	hydroxyacid oxidase (glycolate oxidase) 1 (HAO1), mRNA.
CGREF1	-0.57	Cell growth regulator with EF hand domain 1
FAH	-0.57	fumarylacetoacetate hydrolase (fumarylacetoacetase) (FAH), mRNA.
CGI-49	-0.57	CGI-49 protein (CGI-49), mRNA.
HGD	-0.58	homogentisate 1,2-dioxygenase (homogentisate oxidase) (HGD), mRNA.
PPARA	-0.58	peroxisome proliferative activated receptor, alpha (PPARA), transcript variant 3, mRNA.
HCA112	-0.58	hepatocellular carcinoma-associated antigen 112 (HCA112), mRNA.
LOC162427	-0.58	hypothetical protein LOC162427 (LOC162427), mRNA.
ENTPD5	-0.58	ectonucleoside triphosphate diphosphohydrolase 5 (ENTPD5), mRNA.
ITIH1	-0.58	inter-alpha (globulin) inhibitor H1 (ITIH1), mRNA.
PROS1	-0.58	protein S (alpha) (PROS1), mRNA.
PGRMC1	-0.58	progesterone receptor membrane component 1 (PGRMC1), mRNA.
HMGCS2	-0.59	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial) (HMGCS2), mRNA.
KHK	-0.59	ketohexokinase (fructokinase) (KHK), transcript variant a, mRNA.
BHMT2	-0.59	betaine-homocysteine methyltransferase 2 (BHMT2), mRNA.
GC	-0.59	Group-specific component (vitamin D binding protein)
TFR2	-0.59	transferrin receptor 2 (TFR2), mRNA.

CDO1	-0.59	cysteine dioxygenase, type I (CDO1), mRNA.
HAGH	-0.59	hydroxyacylglutathione hydrolase (HAGH), mRNA.
BAAT	-0.59	bile acid Coenzyme A: amino acid N-acyltransferase (glycine N-choloyltransferase) (BAAT), mRNA.
LASS2	-0.59	LAG1 longevity assurance homolog 2 (S. cerevisiae) (LASS2), transcript variant 3, mRNA.
RGN	-0.59	regucalcin (senescence marker protein-30) (RGN), transcript variant 2, mRNA.
ABCC2	-0.59	ATP-binding cassette, sub-family C (CFTR/MRP), member 2 (ABCC2), mRNA.
DEFB126	-0.60	defensin, beta 126 (DEFB126), mRNA.
APOC3	-0.60	apolipoprotein C-III (APOC3), mRNA.
NS5ATP13TP2	-0.60	NS5ATP13TP2 protein (NS5ATP13TP2), mRNA.
TF	-0.60	transferrin (TF), mRNA.
C8G	-0.60	complement component 8, gamma polypeptide (C8G), mRNA.
SLC2A2	-0.60	solute carrier family 2 (facilitated glucose transporter), member 2 (SLC2A2), mRNA.
PCCB	-0.60	propionyl Coenzyme A carboxylase, beta polypeptide (PCCB), mRNA.
ACF	-0.60	apobec-1 complementation factor (ACF), transcript variant 1, mRNA.
FLJ14665	-0.61	Hypothetical protein FLJ14665
PECI	-0.61	Peroxisomal D3,D2-enoyl-CoA isomerase
SEPP1	-0.61	selenoprotein P, plasma, 1 (SEPP1), mRNA.
ACAT1	-0.61	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenz. A thiolase), nuclear gene encoding mitochondrial protein, mRNA.
UGT2B4	-0.61	UDP glycosyltransferase 2 family, polypeptide B4 (UGT2B4), mRNA.
INSIG1	-0.61	insulin induced gene 1 (INSIG1), transcript variant 3, mRNA.
SERPIND1	-0.61	serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1 (SERPIND1), mRNA.
UNKL	-0.62	Unkempt-like (Drosophila)
SSBP1	-0.62	single-stranded DNA binding protein 1 (SSBP1), mRNA.
ALDH4A1	-0.62	Aldehyde dehydrogenase 4 family, member A1
ACSL1	-0.62	acyl-CoA synthetase long-chain family member 1 (ACSL1), mRNA.
CFH	-0.62	complement factor H (CFH), mRNA.
CAT	-0.62	catalase (CAT), mRNA.
CYB5	-0.62	cytochrome b-5 (CYB5), mRNA.
FH	-0.62	fumarate hydratase (FH), nuclear gene encoding mitochondrial protein, mRNA.
SERPINC1	-0.63	serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1 (SERPINC1), mRNA.
FLJ30679	-0.64	Hypothetical protein FLJ30679
PCSK6	-0.64	proprotein convertase subtilisin/kexin type 6 (PCSK6), transcript variant 2, mRNA.
CPB2	-0.64	carboxypeptidase B2 (plasma, carboxypeptidase U) (CPB2), transcript variant 2, mRNA.
HSD17B4	-0.64	hydroxysteroid (17-beta) dehydrogenase 4 (HSD17B4), mRNA.
F13B	-0.64	coagulation factor XIII, B polypeptide (F13B), mRNA.
EPHX1	-0.64	epoxide hydrolase 1, microsomal (xenobiotic) (EPHX1), mRNA.
APOH	-0.65	apolipoprotein H (beta-2-glycoprotein I) (APOH), mRNA.
C2	-0.65	complement component 2 (C2), mRNA.
C4BPB	-0.66	complement component 4 binding protein, beta (C4BPB), mRNA.
IQGAP2	-0.66	IQ motif containing GTPase activating protein 2 (IQGAP2), mRNA.
CFHL2	-0.68	complement factor H-related 2 (CFHL2), mRNA.
MGC10993	-0.69	Hypothetical protein MGC10993
KNG1	-0.69	kininogen 1 (KNG1), mRNA.
MTSS1	-0.70	metastasis suppressor 1 (MTSS1), mRNA.