Supplementary Table 3. List of proteins ~481 proteins classified as cancer gene clusters using Ingenuity pathway analysis. (p value ranged 1.95E-10 to 2.81E-02)Chaerkady et al. - Comparative proteomics of human embryonic stem cells and embryonal carcinoma cells

Gene Symbol	Protein Name	Ratio ESC/ECC
ABCB7	ATP-binding cassette, sub-family B, member 7	0.96
ABCC1	ATP-binding cassette, sub-family C, member 1 isoform 7	1.09
ABCE1	ATP-binding cassette, sub-family E, member 1	1.09
ABCF2	ATP-binding cassette, sub-family F, member 2 isoform a	1.03
ACACA	acetyl-Coenzyme A carboxylase alpha isoform 1	7.73
ACLY	ATP citrate lyase isoform 2	1.29
ACOT9	acyl-Coenzyme A thioesterase 2, mitochondrial isoform a	1.14
ACTC1	cardiac muscle alpha actin 1 proprotein	9.20
ACTG1	actin, gamma 1 propeptide	0.43
ACY1	aminoacylase 1	2.51
ADI1	membrane-type 1 matrix metalloproteinase cytoplasmic tail binding protein-1	1.36
ADSL	adenylosuccinate lyase	1.26
AHCY	S-adenosylhomocysteine hydrolase	0.13
AHCYL1	S-adenosylhomocysteine hydrolase-like 1	1.22
AHSA1	AHA1, activator of heat shock 90kDa protein ATPase homolog 1	0.89
AIFM1	programmed cell death 8 isoform 1	1.08
AKAP12	A-kinase anchor protein 12 isoform 2	3.02
ALDH1B1	aldehyde dehydrogenase 1B1	0.47
ALDOA	aldolase A	0.49
ALPL	tissue non-specific alkaline phosphatase	1.17
ANP32A	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	0.59
ANXA1	annexin I	10.86
ANXA2	annexin A2 isoform 1	0.58
ANXA5	annexin 5	1.92
AP2A2	adaptor-related protein complex 2, alpha 2 subunit	1.01
APOE	apolipoprotein E	2.09
APP	amyloid beta A4 protein , isoform a	0.63
ARF4	ADP-ribosylation factor 4	1.03
ARHGDIA	Rho GDP dissociation inhibitor (GDI) alpha	3.47
ARID3A	AT rich interactive domain 3A (BRIGHT- like) protein	0.99
ARPC4	actin related protein 2/3 complex subunit 4 isoform a	0.42

ARRB1	arrestin beta 1 isoform A	1.39
ASNS	asparagine synthetase	2.51
ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	0.84
ATP1A1	Na+/K+ -ATPase alpha 1 subunit isoform a proprotein	0.87
ATP2A2	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2 isoform 1	0.88
ATP5J	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6 isoform a	2.09
ATP6V1E1	vacuolar H+ ATPase E1 isoform b	1.00
ATXN2L	ataxin 2 related protein isoform C	0.95
BAT1	HLA-B associated transcript 1	0.08
BAT2D1	HBxAg transactivated protein 2	0.88
BAT3	HLA-B associated transcript-3 isoform a	1.91
BCAR1	breast cancer anti-estrogen resistance 1	1.24
BCCIP	BRCA2 and CDKN1A-interacting protein isoform BCCIPbeta	1.08
BCLAF1	BCL2-associated transcription factor 1 isoform 1	0.87
BGN	biglycan preproprotein	10.38
BSG	basigin isoform 2	0.98
BZW1	PREDICTED: similar to basic leucine zipper and W2 domains 1	0.49
C1QBP	complement component 1, q subcomponent binding protein	1.02
C20orf27	hypothetical protein LOC54976	0.81
CACYBP	calcyclin binding protein isoform 1	0.50
CALD1	caldesmon 1 isoform 2	4.33
CALR	calreticulin precursor	1.47
CANX	calnexin	3.77
CAPN5	calpain 5	1.27
CAPRIN1	membrane component chromosome 11 surface marker 1 isoform 1	0.82
CARS	cysteinyl-tRNA synthetase isoform c	2.70
CASP3	caspase 3 preproprotein	5.40
CAV1	caveolin 1	1.34
CBR1	carbonyl reductase 1	8.47
CBX5	chromobox homolog 5 (HP1 alpha homolog, Drosophila)	0.51
CCAR1	cell-cycle and apoptosis regulatory protein 1	1.42
CCDC6	coiled-coil domain containing 6	1.53
CCT2	chaperonin containing TCP1, subunit 2	0.95
CCT3	chaperonin containing TCP1, subunit 3 isoform a	0.63
CCT4	chaperonin containing TCP1, subunit 4 (delta)	0.79
CCT5	chaperonin containing TCP1, subunit 5 (epsilon)	1.57
CCT6A	chaperonin containing TCP1, subunit 6A isoform a	1.11

CCT7	chaperonin containing TCP1, subunit 7 isoform a	0.43
CCT8	chaperonin containing TCP1, subunit 8 (theta)	0.96
CD151	CD151 antigen	1.34
CD2AP	CD2-associated protein	1.61
CD9	CD9 antigen	0.62
CDC2	cell division cycle 2 protein isoform 1	1.05
CDC37	cell division cycle 37 protein	2.51
CDC42	cell division cycle 42 isoform 2	0.94
CDH3	cadherin 3, type 1 preproprotein	2.31
CDV3	PREDICTED: similar to CDV3 homolog	1.13
CHEK1	CHK1 checkpoint homolog	0.95
CNN2	calponin 2 isoform a	0.65
COPE	epsilon subunit of coatomer protein complex isoform a	1.12
COPS2	COP9 constitutive photomorphogenic homolog subunit 2	1.14
COX5A	cytochrome c oxidase subunit Va	0.86
CRABP1	cellular retinoic acid binding protein 1	1.32
CRABP2	cellular retinoic acid binding protein 2	0.23
CRKL	v-crk sarcoma virus CT10 oncogene homolog (avian)-like	0.54
CSE1L	CSE1 chromosome segregation 1-like protein	0.26
CSNK2A1	casein kinase II alpha 1 subunit isoform a	4.13
CSNK2B	casein kinase 2, beta polypeptide	1.36
CSRP2	cysteine and glycine-rich protein 2	0.60
CTBP2	C-terminal binding protein 2 isoform 2	1.13
CTNNB1	catenin (cadherin-associated protein), beta 1, 88kDa	2.61
CTNND1	catenin (cadherin-associated protein), delta 1	1.61
CTSC	cathepsin C isoform a preproprotein	0.57
CTSD	cathepsin D preproprotein	0.89
CTTN	cortactin isoform b	2.56
CXADR	coxsackie virus and adenovirus receptor	0.74
CYB5A	cytochrome b-5 isoform 2	1.06
CYFIP1	cytoplasmic FMR1 interacting protein 1 isoform a	1.25
DARS	aspartyl-tRNA synthetase	0.81
DBI	diazepam binding inhibitor isoform 2	0.34
DBN1	drebrin 1 isoform a	9.12
DCK	deoxycytidine kinase	1.10
DDB1	damage-specific DNA binding protein 1	0.33
DDX1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1	1.38

DDX17	DEAD box polypeptide 17 isoform p82	0.08
DDX39	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	0.97
DDX47	DEAD (Asp-Glu-Ala-Asp) box polypeptide 47 isoform 1	0.62
DDX5	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	0.95
DDX6	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6	5.50
DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide isoform 1	1.39
DHCR24	24-dehydrocholesterol reductase	0.80
DIABLO	diablo isoform 1 precursor	0.70
DIAPH1	diaphanous 1 isoform 2	0.87
DNAJA1	DnaJ (Hsp40) homolog, subfamily A, member 1	0.26
DNAJB1	DnaJ (Hsp40) homolog, subfamily B, member 1	0.83
DNM1L	dynamin 1-like protein isoform 1	0.67
DNMT1	DNA (cytosine-5-)-methyltransferase 1	0.61
DNMT3B	DNA cytosine-5 methyltransferase 3 beta isoform 1	5.65
DPYSL2	dihydropyrimidinase-like 2	0.65
DR1	down-regulator of transcription 1	0.59
DRG1	developmentally regulated GTP binding protein 1	1.01
DUSP5	dual specificity phosphatase 5	0.57
DYNLL1	dynein light chain 1	1.32
EEF1A1	eukaryotic translation elongation factor 1 alpha 1	1.72
EEF1E1	eukaryotic translation elongation factor 1 epsilon 1	0.94
EIF2S3	eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa	0.44
EIF3E	eukaryotic translation initiation factor 3, subunit 6 48kDa	0.84
EIF4A1	eukaryotic translation initiation factor 4A isoform 1	1.80
EIF4A2	eukaryotic translation initiation factor 4A2	0.42
EIF4B	eukaryotic translation initiation factor 4B	1.51
EIF4E	eukaryotic translation initiation factor 4E	4.17
ELAC2	elaC homolog 2	1.77
ELAVL1	ELAV-like 1	0.43
ELL	elongation factor RNA polymerase II	0.55
ENO1	enolase 1	1.67
EPHA2	ephrin receptor EphA2	1.37
EPHX1	epoxide hydrolase 1, microsomal (xenobiotic)	1.03
EPPK1	epiplakin 1	1.11
ETFA	electron transfer flavoprotein, alpha polypeptide	0.90
EZR	villin 2	3.63
FABP3	fatty acid binding protein 3	0.60

FABP5	fatty acid binding protein 5 (psoriasis-associated)	2.81
FADD	Fas-associated via death domain	1.20
FANCD2	Fanconi anemia complementation group D2 isoform b	0.61
FASN	fatty acid synthase	0.55
FDFT1	farnesyl-diphosphate farnesyltransferase 1	0.69
FDPS	farnesyl diphosphate synthase	0.70
FEN1	flap structure-specific endonuclease 1	0.99
FH	fumarate hydratase	0.95
FKBP5	FK506 binding protein 5	0.74
FKBP8	FK506-binding protein 8	0.74
FLNA	filamin A, alpha	3.63
FLT1	fms-related tyrosine kinase 1	0.91
FSCN1	fascin 1	0.36
FTH1	ferritin, heavy polypeptide 1	3.70
FUBP1	far upstream element-binding protein	1.94
FUS	fusion (involved in t(12;16) in malignant liposarcoma) isoform a	1.12
FXN	frataxin isoform 2 preproprotein	1.07
FXR1	fragile X mental retardation-related protein 1 isoform c	0.90
G6PD	glucose-6-phosphate dehydrogenase isoform a	1.61
GANAB	alpha glucosidase II alpha subunit isoform 3	0.91
GART	phosphoribosylglycinamide formyltransferase,	0.97
GEMIN4	gemin 4	1.49
GJA1	connexin 43	2.73
GLG1	golgi apparatus protein 1	0.94
GLO1	glyoxalase I	1.24
GLRX3	thioredoxin-like	1.17
GLUD1	glutamate dehydrogenase 1	1.08
GLUL	glutamine synthetase	1.05
GMPS	guanine monophosphate synthetase	0.44
GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	0.95
GNAI3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	0.47
GNAS	GNAS complex locus isoform c	1.28
GNB1	guanine nucleotide-binding protein, beta-1 subunit	2.05
GNB2L1	guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1	2.01
GNL3	guanine nucleotide binding protein-like 3 isoform 2	0.69
GORASP2	golgi reassembly stacking protein 2	0.99
GOT1	aspartate aminotransferase 1	1.25

GPI	glucose phosphate isomerase	1.13
GPX1	glutathione peroxidase 1 isoform 1	0.82
GRB2	growth factor receptor-bound protein 2 isoform 1	1.29
GSN	gelsolin isoform a	1.13
GSTO1	glutathione-S-transferase omega 1	0.49
GSTP1	glutathione transferase	1.29
GTF2I	general transcription factor II, i isoform 4	0.73
H2AFX	H2A histone family, member X	2.49
HAGH	hydroxyacyl glutathione hydrolase isoform 1	0.73
HDAC1	histone deacetylase 1	0.89
HDAC2	histone deacetylase 2	1.08
HK1	hexokinase 1 isoform HKI-td	0.98
HMGA1	high mobility group AT-hook 1 isoform b	1.63
HMGB2	high-mobility group box 2	0.72
HN1	hematological and neurological expressed 1 isoform 1	4.21
HNRNPA1	heterogeneous nuclear ribonucleoprotein A1 isoform a	1.09
HNRNPA2B1	heterogeneous nuclear ribonucleoprotein A2/B1 isoform B1	1.12
HNRNPC	heterogeneous nuclear ribonucleoprotein C isoform b	0.55
HNRNPD	heterogeneous nuclear ribonucleoprotein D isoform d	0.98
HNRNPH1	heterogeneous nuclear ribonucleoprotein H1	0.42
HNRNPK	heterogeneous nuclear ribonucleoprotein K isoform a	0.55
HNRPDL	heterogeneous nuclear ribonucleoprotein D-like	2.11
HPRT1	hypoxanthine phosphoribosyltransferase 1	1.57
HSP90AA1	heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 2	0.95
HSP90AB1	heat shock 90kDa protein 1, beta	1.77
HSP90B1	tumor rejection antigen (gp96) 1	1.46
HSPA1A	heat shock 70kDa protein 1A	2.21
HSPA4	heat shock 70kDa protein 4 isoform a	1.69
HSPA5	heat shock 70kDa protein 5	1.41
HSPA8	heat shock 70kDa protein 8 isoform 1	1.96
HSPB1	heat shock 27kDa protein 1	0.06
HSPD1	chaperonin	0.66
HSPE1	heat shock 10kDa protein 1 (chaperonin 10)	0.39
HTT	huntingtin	1.14
HUWE1	HECT, UBA and WWE domain containing 1	0.90
HYOU1	oxygen regulated protein precursor	1.21
IDI1	isopentenyl-diphosphate delta isomerase	1.18

IFITM1	interferon induced transmembrane protein 1 (9-27)	2.68
IGF2BP1	insulin-like growth factor 2 mRNA binding protein 1	0.67
IGF2BP3	insulin-like growth factor 2 mRNA binding protein 3	0.92
IGF2R	insulin-like growth factor 2 receptor	0.97
IGFBP2	insulin-like growth factor binding protein 2, 36kDa	0.71
ILK	integrin-linked kinase	1.34
IMMT	inner membrane protein, mitochondrial	1.06
IMPDH2	inosine monophosphate dehydrogenase 2	0.67
IQGAP1	IQ motif containing GTPase activating protein 1	1.60
ITGA6	integrin alpha chain, alpha 6 isoform a	0.91
ITGB1	integrin beta 1 isoform 1C-2	1.08
ITGB4	integrin beta 4 isoform 1	1.19
KIAA0664	hypothetical protein LOC23277	1.01
KIF23	kinesin family member 23 isoform 2	0.95
KIFC1	kinesin family member C1	1.38
KPNA2	karyopherin alpha 2	2.83
KRT18	keratin 18	0.38
KRT19	keratin 19	0.88
KTN1	kinectin 1 isoform b	0.92
LASP1	LIM and SH3 protein 1	1.58
LDHA	lactate dehydrogenase A	7.45
LEFTY2	endometrial bleeding associated factor preproprotein	2.40
LGALS1	beta-galactoside-binding lectin	2.27
LIG1	DNA ligase I	2.05
LMNB1	lamin B1	0.92
LPP	LIM domain containing preferred translocation partner in lipoma	3.66
LRP1	low density lipoprotein-related protein 1	1.18
LSM3	Lsm3 protein	0.95
LSM7	U6 snRNA-associated Sm-like protein LSm7	0.60
LYAR	hypothetical protein FLJ20425	0.59
M6PRBP1	mannose 6 phosphate receptor binding protein 1	0.71
MACF1	microfilament and actin filament cross-linker protein isoform b	7.18
MAP1B	microtubule-associated protein 1B isoform 1	0.92
MAP2K2	mitogen-activated protein kinase kinase 2	0.95
MAPK1	mitogen-activated protein kinase 1	0.54
MAPRE1	microtubule-associated protein, RP/EB family, member 1	1.20
MAT2A	methionine adenosyltransferase II, alpha	0.82

MCAM	melanoma cell adhesion molecule	1.89
MCM2	minichromosome maintenance protein 2	1.05
MCM3	minichromosome maintenance protein 3	0.70
MCM4	minichromosome maintenance protein 4	1.01
MCM5	minichromosome maintenance deficient protein 5	0.95
MDH1	cytosolic malate dehydrogenase	1.41
MFGE8	milk fat globule-EGF factor 8 protein	0.39
MGST1	microsomal glutathione S-transferase 1	0.29
MIF	macrophage migration inhibitory factor	0.54
MKI67	antigen identified by monoclonal antibody Ki-67	0.80
MLL2	myeloid/lymphoid or mixed-lineage leukemia 2	0.61
MRPL43	mitochondrial ribosomal protein L43 isoform c	0.93
MRPS23	mitochondrial ribosomal protein S23	1.36
MSH2	mutS homolog 2	1.25
MSH6	mutS homolog 6	0.84
MSN	moesin	0.53
MT2A	metallothionein 2A	2.44
MTA1	metastasis associated protein	0.76
MTA2	metastasis-associated protein 2	1.07
MTHFD1L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	3.16
MYH10	myosin, heavy polypeptide 10, non-muscle	2.31
MYL6	myosin, light chain 6, alkali, smooth muscle and non-muscle isoform 2	1.18
MYO6	myosin VI	0.95
NAMPT	visfatin precursor	0.76
NASP	nuclear autoantigenic sperm protein isoform 1	0.60
NCAPD2	chromosome condensation-related SMC-associated protein 1	0.62
NCL	nucleolin	0.54
NDUFA13	cell death-regulatory protein GRIM19	0.42
NES	nestin	3.94
NME1	non-metastatic cells 1, protein (NM23A) expressed in isoform b	1.45
NME4	nucleoside-diphosphate kinase 4	0.44
NOC2L	nucleolar complex associated 2 homolog	0.52
NP	purine nucleoside phosphorylase	1.58
NPEPPS	aminopeptidase puromycin sensitive	0.79
NQO1	NAD(P)H menadione oxidoreductase 1, dioxin-inducible isoform c	3.44
NSFL1C	p47 protein isoform b	1.09
NUDT5	nudix-type motif 5	1.07

NUP214	nucleoporin 214kDa	1.33
NUP37	nucleoporin 37kDa	1.20
NUP50	nucleoporin 50kDa isoform b	0.83
OPA1	optic atrophy 1 isoform 8	0.82
P4HA1	prolyl 4-hydroxylase, alpha I subunit isoform 2	0.80
P4HB	prolyl 4-hydroxylase, beta subunit precursor	2.33
PA2G4	ErbB3-binding protein 1	0.34
PAICS	phosphoribosylaminoimidazole carboxylase, 2	1.57
PAK1	p21-activated kinase 1	2.36
PAK2	p21-activated kinase 2	1.24
PARK7	DJ-1 protein	1.82
PARP1	poly (ADP-ribose) polymerase family, member 1	0.30
PCNA	proliferating cell nuclear antigen	0.25
PDCD6IP	programmed cell death 6 interacting protein	0.80
PDIA6	protein disulfide isomerase-associated 6	2.17
PDS5B	androgen-induced prostate proliferative shutoff associated protein	0.76
PDXDC1	hypothetical protein LOC23042	1.26
PEA15	phosphoprotein enriched in astrocytes 15	0.55
PEBP1	prostatic binding protein	0.82
PELP1	proline-, glutamic acid-, leucine-rich protein 1	1.79
PFKP	phosphofructokinase, platelet	3.40
PFN1	profilin 1	1.96
PGK1	phosphoglycerate kinase 1	0.55
PHGDH	phosphoglycerate dehydrogenase	0.06
PIGT	phosphatidylinositol glycan anchor biosynthesis, class T	1.03
PIN1	protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1	1.18
PKM2	pyruvate kinase 3 isoform 1	0.95
PKM2	Pyruvate kinase 3 isoform 1	1.16
PLCG1	phospholipase C gamma 1 isoform a	0.33
PLEC1	plectin 1 isoform 1	1.10
PODXL	podocalyxin-like isoform 1	0.34
POLR1C	RNA polymerase I subunit isoform 2	1.46
PPAT	phosphoribosyl pyrophosphate amidotransferase proprotein	0.96
PPIH	peptidylprolyl isomerase H	0.39
PPP1CA	protein phosphatase 1, catalytic subunit, alpha isoform 3	0.95
PPP1CA	Protein phosphatase 1, catalytic subunit, alpha isoform 1	0.99
PPP1CC	protein phosphatase 1, catalytic subunit, gamma isoform	1.12

PPP2CA	protein phosphatase 2, catalytic subunit, alpha isoform	1.49
PPP2R1A	alpha isoform of regulatory subunit A, protein phosphatase 2	3.10
PPP2R2A	alpha isoform of regulatory subunit B55, protein phosphatase 2	0.96
PPP5C	protein phosphatase 5, catalytic subunit	1.05
PPT1	palmitoyl-protein thioesterase 1	0.66
PRDX2	peroxiredoxin 2 isoform a	0.39
PRDX6	peroxiredoxin 6	2.21
PRIM1	DNA primase small subunit, 49kDa	0.99
PRKAR2B	cAMP-dependent protein kinase, regulatory subunit beta 2	1.16
PRKCI	protein kinase C, iota	1.32
PRKCSH	protein kinase C substrate 80K-H isoform 2	0.70
PRKDC	protein kinase, DNA-activated, catalytic polypeptide isoform 2	0.52
PRKDC	Protein kinase, DNA-activated, catalytic polypeptide isoform 1	0.81
PRKRA	protein kinase, interferon-inducible double stranded RNA dependent activator	1.41
PRMT1	HMT1 hnRNP methyltransferase-like 2 isoform 1	0.95
PRPF19	PRP19/PSO4 pre-mRNA processing factor 19 homolog	0.77
PRPF8	U5 snRNP-specific protein	0.86
PSAP	prosaposin isoform a preproprotein	1.11
PSAT1	phosphoserine aminotransferase isoform 1	0.58
PSIP1	PC4 and SFRS1 interacting protein 1 isoform 2	18.20
PSMA2	proteasome alpha 2 subunit	1.04
PSMA6	proteasome alpha 6 subunit	0.05
PSMA7	proteasome alpha 7 subunit	0.96
PSMB5	proteasome beta 5 subunit	1.17
PSMD10	proteasome 26S non-ATPase subunit 10 isoform 1	0.82
PSMD14	26S proteasome-associated pad1 homolog	1.08
PSME4	proteasome (prosome, macropain) activator subunit 4	0.99
PTMA	prothymosin, alpha (gene sequence 28)	2.99
PTPN11	protein tyrosine phosphatase, non-receptor type 11	0.37
PTRH2	Bcl-2 inhibitor of transcription isoform b	1.19
RAC1	ras-related C3 botulinum toxin substrate 1 isoform Rac1b	0.87
RAC1	Ras-related C3 botulinum toxin substrate 1 isoform Rac1b	1.64
RACGAP1	Rac GTPase activating protein 1	1.39
RAD23B	UV excision repair protein RAD23 homolog B	1.09
RAN	ras-related nuclear protein	0.15
RANBP2	RAN binding protein 2	0.87
RBBP4	retinoblastoma binding protein 4	3.16

RBM17	RNA binding motif protein 17	1.53
RDX	radixin	1.41
RET	ret proto-oncogene isoform a	2.07
RHOA	ras homolog gene family, member A	0.36
RHOC	ras homolog gene family, member C	0.89
RPA1	replication protein A1, 70kDa	2.38
RPE	ribulose-5-phosphate-3-epimerase isoform 1	2.00
RPL11	ribosomal protein L11	1.22
RPL19	ribosomal protein L19	1.02
RPL21	ribosomal protein L21	1.04
RPL22	ribosomal protein L22 proprotein	1.38
RPL23	ribosomal protein L23	0.55
RPL27	ribosomal protein L27	1.03
RPL4	ribosomal protein L4	1.38
RPL5	ribosomal protein L5	2.00
RPL7	ribosomal protein L7	1.85
RPS11	ribosomal protein S11	1.25
RPS15	ribosomal protein S15	1.85
RPS16	ribosomal protein S16	1.64
RPS19	ribosomal protein S19	1.08
RPS27A	ubiquitin and ribosomal protein S27a	1.14
RPS6	ribosomal protein S6	1.12
RPS6KA1	ribosomal protein S6 kinase, 90kDa, polypeptide 1 isoform b	1.12
RTN4	reticulon 4 isoform A	2.13
RUVBL1	RuvB-like 1	4.70
S100A4	S100 calcium-binding protein A4	0.75
SACM1L	suppressor of actin 1	1.05
SCP2	sterol carrier protein 2 isoform 1 proprotein	0.95
SEC31A	SEC31 homolog A isoform 1	1.75
SEC63	SEC63-like protein	1.33
SERBP1	SERPINE1 mRNA binding protein 1 isoform 4	0.98
SERBP1	SERPINE1 mRNA binding protein 1 isoform 1	1.69
SERPINB9	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 9	5.40
SET	SET translocation (myeloid leukemia-associated)	4.37
SF1	splicing factor 1 isoform 3	0.99
SF3A1	splicing factor 3a, subunit 1, 120kDa isoform 1	0.77
SH3GL1	SH3-domain GRB2-like 1	0.94

SLC25A1	solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1	1.03
SLC25A5	solute carrier family 25, member 5	0.15
SLC2A1	solute carrier family 2 (facilitated glucose transporter), member 1	2.94
SLC2A3	solute carrier family 2 (facilitated glucose transporter), member 3	0.18
SLC7A11	solute carrier family 7, (cationic amino acid transporter, y+ system) member 11	3.31
SLC7A3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3	1.07
SLC7A5	solute carrier family 7, member 5	1.56
SLC9A3R1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1	1.00
SMARCA4	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin a4	0.56
SMARCC1	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin c1	0.80
SMARCE1	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin e1	0.86
SMS	spermine synthase	0.70
SNRPD3	small nuclear ribonucleoprotein polypeptide D3	0.26
SNRPF	small nuclear ribonucleoprotein polypeptide F	0.38
SPARC	secreted protein, acidic, cysteine-rich (osteonectin)	0.39
SPTBN1	spectrin, beta, non-erythrocytic 1 isoform 1	0.74
SQLE	squalene monooxygenase	0.95
SRM	spermidine synthase	0.24
SSRP1	structure specific recognition protein 1	0.04
STAT1	signal transducer and activator of transcription 1 isoform alpha	1.26
STIP1	stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein)	0.73
STMN1	stathmin 1	0.50
SUMO1	SMT3 suppressor of mif two 3 homolog 1 isoform a precursor	0.93
SUPT5H	suppressor of Ty 5 homolog	1.14
TCEA1	transcription elongation factor A 1 isoform 1	0.50
TCOF1	Treacher Collins-Franceschetti syndrome 1 isoform a	0.47
TCOF1	Treacher Collins-Franceschetti syndrome 1 isoform a	1.61
TCP1	T-complex protein 1 isoform a	0.47
TFRC	transferrin receptor	1.17
TJP1	tight junction protein 1 isoform a	4.37
TMPO	thymopoietin isoform alpha	1.38
TNPO3	transportin 3	0.75
TOP1	DNA topoisomerase I	0.88
TOP2A	DNA topoisomerase II, alpha isozyme	1.04
TOP2B	DNA topoisomerase II, beta isozyme	4.45
TP53BP1	tumor protein p53 binding protein, 1	0.98
TPI1	triosephosphate isomerase 1	0.33

TPM1	tropomyosin 1 alpha chain isoform 3	3.02
TPM3	tropomyosin 3 isoform 2	0.60
TPP2	tripeptidyl peptidase II	0.64
TPR	nuclear pore complex-associated protein TPR	1.06
TRAP1	TNF receptor-associated protein 1	0.93
TRIM24	transcriptional intermediary factor 1 alpha isoform a	1.53
TRIM28	tripartite motif-containing 28 protein	2.99
TRIP13	thyroid hormone receptor interactor 13	1.32
TUBA1C	tubulin alpha 6	0.11
TUBB	tubulin, beta polypeptide	0.98
TUBB2A	tubulin, beta 2	1.80
TUBB2C	tubulin, beta, 2	0.32
TUBB3	tubulin, beta, 4	0.86
TXN	thioredoxin	3.40
TXNDC5	thioredoxin domain containing 5 isoform 1	0.97
U2AF1	U2 small nuclear RNA auxillary factor 1 isoform b	0.64
U2AF2	U2 (RNU2) small nuclear RNA auxiliary factor 2 isoform b	1.05
UBA1	ubiquitin-activating enzyme E1	0.67
UBC	PREDICTED: similar to Ubiquitin-63E CG11624-PA, isoform A	1.77
UBE2C	ubiquitin-conjugating enzyme E2C isoform 1	0.88
UBE2I	ubiquitin-conjugating enzyme E2I	0.92
UBE2N	ubiquitin-conjugating enzyme E2N	0.97
UBE3A	ubiquitin protein ligase E3A isoform 2	0.56
UBTF	upstream binding transcription factor, RNA polymerase I isoform a	0.74
UGCG	ceramide glucosyltransferase	1.20
UQCRH	ubiquinol-cytochrome c reductase hinge protein	1.02
USP14	ubiquitin specific protease 14 isoform b	1.22
USP7	ubiquitin specific protease 7 (herpes virus-associated)	2.07
VAPA	vesicle-associated membrane protein-associated protein A isoform 1	2.17
VCP	valosin-containing protein	1.28
VDAC1	voltage-dependent anion channel 1	0.52
VIM	vimentin	0.61
VRK1	vaccinia related kinase 1	1.09
VTN	vitronectin	0.44
WARS	tryptophanyl-tRNA synthetase isoform a	2.99
XPO5	exportin 5	1.11
XRCC5	ATP-dependent DNA helicase II	1.15

XRCC6	ATP-dependent DNA helicase II, 70 kDa subunit	1.45
YBX1	nuclease sensitive element binding protein 1	16.00
YWHAE	tyrosine 3/tryptophan 5 -monooxygenase activation protein, epsilon polypeptide	1.11
YWHAG	14-3-3, gamma	1.03
ZC3H15	erythropoietin 4 immediate early response	0.96
ZYX	zyxin	5.35