

## Supporting information

Table 2S. A partial list of up-regulated proteins in PANC-1

Proteins	Functional annotation <sup>a</sup>	Accession number	Average spectra count	
			normal duct	PANC-1
<b>Cell structure proteins</b>				
microfilament and actin filament cross-linker protein isoform a	actin binding	33188445	3.0	12.7
profilin 1	actin binding	4826898	32.7	74.0
coactosin-like 1	actin binding	21624607	0.0	15.7
emerin	actin binding	4557553	2.0	11.0
inverted formin 2 isoform 1	actin binding	149999380	0.0	8.7
coronin, actin binding protein, 1C isoform 1	actin binding	7656991	0.0	4.7
calponin 2 isoform a	actin binding	4758018	0.0	3.7
coronin, actin binding protein, 1B	actin binding	14149734	0.0	3.0
filamin B, beta (actin binding protein 278)	actin binding	105990514	116.7	237
erythrocyte membrane protein band 4.1-like 2 isoform a	actin binding	4503579	0.0	5.3
cofilin 1 (non-muscle)	actin organization	5031635	11.0	36.0
fascin 1	actin organization	4507115	0.0	22.7
microtubule-associated protein 1B	cytoskeleton	153945728	0.0	5.3
thymosin-like 3	cytoskeleton	34013530	4.0	22.0
tubulin alpha 6	microtubules	14389309	67.7	214.7
tubulin, beta	microtubules	29788785	26.7	66.0
stathmin 1 isoform a	tubulin binding	5031851	0.0	10.0
vimentin	intermediate filaments	62414289	22.3	226.7
peripherin	intermediate filaments	21264345	0.3	42.7
keratin 25D	intermediate filaments	114431246	1.3	11.7
desmin	intermediate filaments	55749932	2.0	9.7
annexin I	membrane scaffold	4502101	17.7	37.7
myoferlin isoform a	plasmalemma repair	7305053	2.0	55.0
paxillin isoform 1	cell junction	170932514	0.0	10.0
plectin 1 isoform 1	cell junction	47607492	78.7	185.3
integrin alpha 3 isoform b precursor	cell adhesion	6006011	0.0	4.0
integrin, beta 5	cell adhesion	20127446	0.0	5.3
intercellular adhesion molecule 1 precursor	cell adhesion	167466198	0.0	5.7
trophoblast glycoprotein	cell adhesion	5729718	0.0	5.3
milk fat globule-EGF factor 8 protein isoform a	cell adhesion	167830475	0.0	4.0
nucleoporin 93kDa	nuclear pore complex	208609990	0.0	13.3
dynein, cytoplasmic 1, light intermediate chain 1	motor protein	166795297	0.0	3.3
<b>Transport proteins</b>				
RAN binding protein 1	protein transport	4506407	1.7	8.0
CSE1 chromosome segregation 1-like protein	protein transport	29029559	8.0	35.0
SEC13 protein isoform 1	protein transport	34335134	0.0	3.7
SEC24-related protein C	protein transport	38373669	2.3	12.7
RAB7, member RAS oncogene family	protein transport	34147513	3.0	12.3
secretory carrier membrane protein 3 isoform 1	protein transport	16445419	1.3	6.0
translocase of inner mitochondrial membrane 44	protein transport	33636719	0.0	5.3
sorting nexin 3 isoform b	protein transport	23111041	0.0	4.3
nucleoporin 155kDa isoform 1	protein transport	24430149	0.0	4.3

karyopherin alpha 1	nuclear protein import	222144293	0.0	4.3
karyopherin alpha 6	nuclear protein import	6912478	0.0	6.3
karyopherin beta 1	nuclear protein import	19923142	18.3	48.3
importin 4	nuclear protein import	62460637	0.3	10.0
transportin 1 isoform 1	nuclear protein import	133925811	0.0	4.3
importin 7	nuclear protein import	5453998	2.0	33.0
importin 9	nuclear protein import	21361659	0.0	3.7
exportin 5	nuclear protein export	22748937	0.0	8.7
solute carrier family 3, member 2 isoform a	solute carrier	61744475	0.0	8.7
solute carrier family 4, sodium bicarbonate cotransporter, member 7	solute carrier	134288865	0.0	3.7
solute carrier family 25, member 5	solute carrier	156071459	8.3	24.3
solute carrier family 26 member 2	solute carrier	100913030	0.0	4.0
chloride intracellular channel 4	ion transport	7330335	0.0	9.0
inositol 1,4,5-triphosphate receptor, type 3	calcium transport	153945846	0.0	6.0
ATPase, Ca++ transporting, ubiquitous isoform e	calcium transport	28373105	0.3	4.0
cellular retinoic acid binding protein 2	retinoic acid transport	4503029	0.0	7.3
EH-domain containing 1	endocytic recycling	30240932	0.0	15.3
dynamamin 1-like isoform 2	vesicular transport	171460916	2.0	10.3
<b>Chromosome and transcription</b>				
proliferating cell nuclear antigen (PCNA)	DNA replication	4505641	0.0	9.0
RuvB-like 1	DNA helicase	4506753	2.7	17.7
RuvB-like 2	DNA helicase	5730023	0.7	14.0
high-mobility group box 3	DNA binding	71143137	0.0	8.3
minichromosome maintenance complex component 2	minichromosome maintenance	33356547	0.0	9.3
minichromosome maintenance complex component 3	minichromosome maintenance	6631095	0.0	5.0
minichromosome maintenance complex component 4	minichromosome maintenance	33469917	0.0	3.3
structural maintenance of chromosomes flexible hinge domain containing 1	chromosome organization	148839305	0.0	4.7
AHNAK nucleoprotein 2	nucleic acid binding	156766050	0.0	19.7
AHNAK nucleoprotein isoform 1	nucleic acid binding	61743954	53.0	201.0
DEAD (Asp-Glu-Ala-Asp) box polypeptide 47 isoform 1	nucleic acid binding	20149629	0.0	4.7
RNA binding motif protein 3	RNA binding	5803137	2.0	8.7
poly(A) binding protein, cytoplasmic 1	RNA binding	46367787	0.0	3.7
poly A binding protein, cytoplasmic 4 isoform 1	RNA binding	208431833	6.3	20.3
U2 (RNU2) small nuclear RNA auxiliary factor 2 isoform a	RNA binding	6005926	5.7	18.0
insulin-like growth factor 2 mRNA binding protein 3	RNA binding	30795212	0.0	10.7
DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	RNA binding	50659095	0.0	19.3
insulin-like growth factor 2 mRNA binding protein 1 isoform 1	mRNA binding	56237027	0.0	4.3
insulin-like growth factor 2 mRNA binding protein 2 isoform a	mRNA binding	64085377	0.0	5.3
leucine-rich PPR motif-containing protein	transcription	31621305	15.0	66.0
MYB binding protein 1a isoform 2	transcription	157694492	0.0	12.7
nucleolin	RNA binding	55956788	20.3	42.7
elongin B isoform a	transcription	6005890	0.0	8.7
elongin C	transcription	5032161	0.0	4.0
SRA stem-loop-interacting RNA-binding protein	transcription	13654278	0.0	4.7
basic transcription factor 3 isoform A	transcription	83641885	0.7	4.0

splicing factor 3a, subunit 3	transcription and splicing	5803167	1.0	6.0
splicing factor 3b, subunit 3	transcription and splicing	54112121	2.7	11.7
tripartite motif-containing 28 protein	transcription regulation	5032179	5.7	18.7
transcription factor B2, mitochondrial	transcription	11641289	0.0	3.3
nuclease sensitive element binding protein 1	transcription	34098946	0.0	3.3
THO complex 2 isoform 2	mRNA splicing	52486999	0.0	6.7
THO complex 4	mRNA splicing	55770864	0.3	7.7
small nuclear ribonucleoprotein D1 polypeptide 16kDa	mRNA splicing	5902102	2.3	11.7
U5 snRNP-specific protein	mRNA splicing	91208426	2.0	17.3
poly-U binding splicing factor 60KDa isoform a	mRNA splicing	17978512	0.0	9.3
splicing coactivator subunit SRm300	mRNA splicing	118572613	0.3	5.7
SERPINE1 mRNA binding protein 1 isoform 1	mRNA stability	66346679	3	10
heterogeneous nuclear ribonucleoprotein A2/B1 isoform A2	mRNA processing	4504447	27.3	88.7
superkiller viralicidic activity 2-like 2	mRNA processing	193211480	0.7	4.7
<b>Translation</b>				
GCN1 general control of amino-acid synthesis 1-like 1	translation	54607053	16.0	39.3
suppressor of Ty 5 homolog isoform a	translation	20149524	0.0	7.7
eukaryotic translation initiation factor 3, subunit 1 alpha, 35kDa	translation	83281438	0.0	3.7
eukaryotic translation initiation factor 2 beta	translation	29826335	0.3	4.3
eukaryotic translation initiation factor 3, subunit C	translation	4503525	0.7	7.7
eukaryotic translation initiation factor 3 subunit D	translation	4503523	0.0	10.0
eukaryotic translation initiation factor 3, subunit M	translation	23397429	0.0	6.3
eukaryotic translation initiation factor 3, subunit 9 eta, 116kDa	translation	83367072	4.3	19.3
eukaryotic translation initiation factor 3, subunit 10 theta, 150/170kDa	translation	4503509	2.7	22.0
eukaryotic translation initiation factor 4 gamma, 1 isoform 4	translation	38201619	3.0	22.0
eukaryotic translation initiation factor 4 gamma, 2 isoform 1	translation	4503539	2.0	13.0
eukaryotic translation initiation factor 5A-like 1	translation	153791632	8.0	23.7
eukaryotic translation initiation factor 5B	translation	84043963	1.3	7.0
eukaryotic translation elongation factor 1 alpha 1	translation	4503471	39.7	84.7
eukaryotic translation elongation factor 1 alpha 2	translation	4503475	14.3	110.3
eukaryotic translation elongation factor 1 gamma	translation	4503481	16.0	36.0
eukaryotic translation elongation factor 1 delta isoform 1	translation	25453474	0.3	4.0
eukaryotic translation elongation factor 1 delta isoform 4	translation	194239729	2.0	9.0
eukaryotic translation termination factor 1	translation	4759034	1.3	8.0
aminoacyl tRNA synthetase complex-interacting multifunctional protein 2	aminoacyl-tRNA synthetase complex assembly	11125770	1.7	7.0
glycyl-tRNA synthetase	aminoacyl-tRNA synthetase	116805340	4.3	33.0
alanyl-tRNA synthetase	aminoacyl-tRNA synthetase	109148542	10.3	41.3
glutamyl-prolyl tRNA synthetase	aminoacyl-tRNA synthetase	62241042	7.3	35.7
methionyl-tRNA synthetase	aminoacyl-tRNA synthetase	14043022	1.0	23.3
threonyl-tRNA synthetase	aminoacyl-tRNA synthetase	38202255	4.0	19.7
arginyl-tRNA synthetase	aminoacyl-tRNA synthetase	15149476	2.3	14.0
cysteinyl-tRNA synthetase isoform b	aminoacyl-tRNA synthetase	10835051	0.0	13.0
seryl-tRNA synthetase 2 isoform b precursor	aminoacyl-tRNA synthetase	8923421	0.0	5.7

tyrosyl-tRNA synthetase	aminoacyl-tRNA synthetase	4507947	0.0	11.0
isoleucine tRNA synthetase	aminoacyl-tRNA synthetase	94721241	1.3	7.7
tryptophanyl-tRNA synthetase isoform a	aminoacyl-tRNA synthetase	47419914	0.0	7.0
lysyl-tRNA synthetase isoform 2	aminoacyl-tRNA synthetase	5031815	1.7	6.7
phenylalanyl-tRNA synthetase, alpha subunit	aminoacyl-tRNA synthetase	4758340	1.0	5.0
phenylalanyl-tRNA synthetase, beta subunit	aminoacyl-tRNA synthetase	124028525	0.0	6.7
ribosomal protein L3 isoform b	subunit of ribosome	76496472	0.0	26.0
ribosomal protein L4	subunit of ribosome	16579885	0.0	17.0
ribosomal protein L5	subunit of ribosome	14591909	0.0	9.0
ribosomal protein L6	subunit of ribosome	16753227	0.3	18.3
ribosomal protein L7	subunit of ribosome	15431301	0.7	27.3
ribosomal protein L7a	subunit of ribosome	4506661	0.0	13.3
ribosomal protein L8	subunit of ribosome	15431306	0.0	20.0
ribosomal protein L10	subunit of ribosome	223890243	0.0	8.3
ribosomal protein L10a	subunit of ribosome	15431288	0.0	6.3
ribosomal protein L13	subunit of ribosome	15431295	0.0	5.3
ribosomal protein L14	subunit of ribosome	78000181	0.3	11.0
ribosomal protein L17	subunit of ribosome	4506617	0.0	8.0
ribosomal protein L18	subunit of ribosome	4506607	0.0	9.0
ribosomal protein L18a	subunit of ribosome	11415026	0.0	6.0
ribosomal protein L19	subunit of ribosome	4506609	0.0	4.7
ribosomal protein L21	subunit of ribosome	18104948	0.0	5.0
ribosomal protein L23	subunit of ribosome	4506605	2.3	10.7
ribosomal protein L23a	subunit of ribosome	17105394	0.0	9.7
ribosomal protein L24	subunit of ribosome	4506619	0.0	5.3
ribosomal protein L27a	subunit of ribosome	4506625	0.0	5.7
ribosomal protein L31 isoform 1	subunit of ribosome	4506633	0.0	7.0
ribosomal protein L32	subunit of ribosome	4506635	0.0	5.3
ribosomal protein L36	subunit of ribosome	16117796	0.0	6.0
ribosomal protein L37a	Subunit of ribosome	4506643	0.0	4.0
ribosomal protein S2	subunit of ribosome	15055539	5.7	27.0
ribosomal protein S3a	subunit of ribosome	4506723	3.0	14.7
ribosomal protein S4, X-linked X isoform	subunit of ribosome	4506725	3.7	14.3
ribosomal protein S6	subunit of ribosome	17158044	0.0	11.7
ribosomal protein S8	subunit of ribosome	4506743	0.0	14.0
ribosomal protein S9	subunit of ribosome	14141193	0.0	8.3
ribosomal protein S11	subunit of ribosome	4506681	0.0	6.7
ribosomal protein S13	subunit of ribosome	4506685	0.0	11.0
ribosomal protein S14	subunit of ribosome	5032051	1.0	11.0
ribosomal protein S15	subunit of ribosome	4506687	2.0	9.7
ribosomal protein S18	subunit of ribosome	11968182	4.0	15.7
ribosomal protein S23	subunit of ribosome	4506701	0.0	4.0
ribosomal protein S24 isoform a	subunit of ribosome	14916501	0.0	9.3
ribosomal protein S25	subunit of ribosome	4506707	0.0	4.3
ribosomal protein S29 isoform 2	subunit of ribosome	71772583	0.0	8.3
protein BAP28	ribosome biosynthesis	73695475	0.3	6.7
FK506 binding protein 10	protein folding at synthesis	192448443	0.0	4.3
<b>Heat shock proteins and chaperones</b>				
SEC63-like protein	chaperone	6005872	1.3	9.0
chaperonin	chaperone	31542947	85.0	182.7
heat shock 90kDa protein 1, beta	chaperone	20149594	52.3	129.7
hypoxia up-regulated 1 precursor	chaperone	5453832	22.3	47.3
chaperonin containing TCP1, subunit 3 isoform a	chaperone	63162572	17.7	38.0

chaperonin containing TCP1, subunit 5 (epsilon)	chaperone	24307939	10.0	36.7
chaperonin containing TCP1, subunit 6A isoform a	chaperone	4502643	11.3	28.7
chaperonin containing TCP1, subunit 7 isoform a	chaperone	5453607	11.3	35.3
chaperonin containing TCP1, subunit 8 (theta)	chaperone	48762932	16.0	33.0
heat shock 70kDa protein 4	chaperone	38327039	9.3	30.0
heat shock 70kDa protein 9	chaperone	24234688	28.0	63.3
DnaJ (Hsp40) homolog, subfamily B, member 1	chaperone	5453690	0.7	5.0
von Hippel-Lindau binding protein 1	protein folding	4507873	0.7	11.7
cysteine and histidine-rich domain-containing protein 1 isoform a	protein folding	221316566	0.0	4.3
prefoldin subunit 5 isoform alpha	protein folding	22202633	0.0	3.7
<b>Protein modifications</b>				
SUMO1 activating enzyme subunit 1 isoform a	protein modification	4885585	1.0	4.0
SUMO-1 activating enzyme subunit 2	protein modification	4885649	0.0	7.3
RAN binding protein 2	protein modification	150418007	0.0	3.3
procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3 precursor	protein modification	4505891	0.3	4.0
calcylin binding protein isoform 2	Ubl conjugation	60218913	0.0	6.7
ubiquitin specific protease 14 isoform a	proteasome-associated deubiquitinase	4827050	3.3	14.7
retinoblastoma-associated factor 600	E3 ubiquitin-protein ligase	82659109	0.0	7.7
zinc finger, C3HC type 1	protein modification	66348045	0.3	4.0
ubiquitin-conjugating enzyme E2M	protein modification	4507791	0.0	3.3
aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	protein modification	20357568	0.0	4.0
protein O-fucosyltransferase 1 isoform 2 precursor	protein glycosylation	27436891	0.0	4.0
phosphatidylinositol glycan anchor biosynthesis, class U	GPI-anchor biosynthesis	17998700	0.0	3.7
p21-activated kinase 4 isoform 1	kinase	5031975	0.0	5.0
AKT2 kinase	kinase	4502023	0.0	3.3
integrin-linked kinase-associated protein phosphatase 2C	phosphatase	13540531	0.0	3.0
HMT1 hnRNP methyltransferase-like 2 isoform 2	methyltransferase	150456457	0.3	4.0
meningioma expressed antigen 5 (hyaluronidase) isoform a	acyltransferase	11024698	0.0	3.3
protein O-fucosyltransferase 1 isoform 1 precursor	protein modification	27436889	0.0	3.0
<b>Cell proliferation and apoptosis</b>				
acidic (leucine-rich) nuclear phosphoprotein 32 family, member E isoform 3	cell cycle	210147571	1.3	6.0
non-SMC condensin I complex, subunit D2	cell cycle	178056552	0.0	5.3
enhancer of rudimentary homolog	cell cycle	4758302	0.7	4.7
ADP-ribosylation factor-like 2	cell cycle	148612885	0.0	3.0
ADP-ribosylation factor-like 3	cell cycle	4757774	0.0	3.7
CDC5-like	cell cycle	11067747	0.0	3.0
four and a half LIM domains 1 isoform 2	cell differentiation	21361122	0.0	7.3
ephrin receptor EphA2	apoptosis	32967311	0.0	5.7
programmed cell death 8 isoform 5	apoptosis	195927006	0.0	6.3
galectin-1	apoptosis, cell proliferation	4504981	3.7	38.7
IKK interacting protein isoform 1	apoptosis	24233517	0.0	3.7
CLPTM1-like	apoptosis	21359965	0.0	3.3
FK506-binding protein 8	apoptosis	52630440	0.0	3.3
stratifin	adapter protein	5454052	2.0	11.3
nuclear distribution gene C homolog	neurogenesis	5729953	0.0	8.3
GDP dissociation inhibitor 1	Rho protein signal	4503971	4.0	19.7

	transduction			
signal transducer and activator of transcription 1 isoform beta (STAT1)	signal transducer	21536301	1.7	7.7
epidermal growth factor receptor isoform b precursor	EGF signaling pathway	41327732	0.0	4.0
Other proteins				
anterior gradient 2	mucus production	5453541	0.0	27.7
calumenin isoform a precursor	calcium binding	4502551	0.0	9.3
annexin A2 isoform 2	calcium binding	209862831	152.0	299.7
hippocalcin	calcium binding	19913446	0.3	4.3
ER lipid raft associated 1	protein binding	154800487	0.0	4.3
fatty acid binding protein 5 (psoriasis-associated)	fatty acid binding	4557581	0.0	9.0
glutaredoxin 3	oxidoreductase	95113651	0.0	11.7
NAD(P) dependent steroid dehydrogenase-like	oxidoreductase	8393516	0.0	4.3
leprecan 1 isoform 1	oxidoreductase	186928835	0.0	4.3
acyl-Coenzyme A dehydrogenase family, member 9	oxidoreductase	21361497	0.3	4.0
proteasome 26S ATPase subunit 2	proteasome	4506209	2.3	11.3
proteasome 26S non-ATPase subunit 3	proteasome	25777612	0.7	5.0
proteasome 26S non-ATPase subunit 4	proteasome	5292161	0.3	5.3
proteasome beta 5 subunit isoform 1	proteasome	4506201	1.3	5.7
biliverdin reductase A	protoheme degradation	33589854	3.0	11.7
A kinase (PRKA) anchor protein 12 isoform 2	A kinase binding	21493024	0.0	15.7
protein phosphatase 1, regulatory (inhibitor) subunit 14A	protein phosphatase inhibitor	15147250	0.0	7.0
5' nucleotidase, ecto	nucleotidase	4505467	0.0	16.3
flap structure-specific endonuclease 1	endonuclease	4758356	1.0	4.0
ribonuclease/angiogenin inhibitor	ribonuclease inhibitor	21361547	13.0	49.0
peroxisomal enoyl-coenzyme A hydratase-like protein	possible peroxisomal fatty acid beta-oxidation	70995211	16.3	74.0
carboxylesterase 1 isoform c precursor	detoxification of xenobiotics	68508957	3.7	39.0
membrane alanine aminopeptidase precursor	aminopeptidase	157266300	9.7	29.0
endothelin converting enzyme 1 isoform 1	peptidase	4503443	0.0	3.7
protein phosphatase 1, catalytic subunit, alpha isoform 1	protein phosphatase	4506003	0.0	3.7
deoxyuridine triphosphatase isoform 1 precursor	dUTP diphosphatase	70906441	1.7	8.0
N-acetyltransferase 10 isoform a	N-acetyltransferase	221316723	0.0	4.7
transferrin receptor	cellular iron homeostasis	189458817	6.7	22.7
leucine rich repeat containing 59	protein binding	40254924	3.3	13.0
NOL1/NOP2/Sun domain family, member 2	tRNA methyltransferase	39995082	0.0	8.0
small inducible cytokine subfamily E, member 1 isoform a precursor	tRNA binding	45006986	1.0	4.3
adenosine kinase isoform a	transferase	32484973	0.0	7.7
lysyl hydroxylase 1 precursor	hydroxylysine biosynthesis	32307144	0.0	7.0
peptidyl arginine deiminase, type II	deiminase	122939159	0.0	5.7
transmembrane and coiled-coil domains 1	ER membrane protein	24308133	1.0	4.0
lysophosphatidylcholine acyltransferase 1	lipid metabolism	33946291	0.0	3.7
carbamoylphosphate synthetase 2	urea cycle	18105007	0.0	3.7
caveolin 1	scaffolding protein	15451856	0.0	3.0
insulin-like growth factor 2 receptor precursor	receptor	119964726	1.0	8.7
CD97 antigen isoform 1 precursor	receptor	17978491	0.0	3.0
spermidine synthase	spermidine synthesis	63253298	0.0	3.0
mediator of cell motility 1 isoform 2	cell migration	212286159	0.0	3.0
PREDICTED: similar to protein kinase, DNA-activated, catalytic polypeptide	unknown	113430845	29.7	62.3
PREDICTED: hypothetical protein XP_002342225	unknown	239741460	0.0	21.0

translocase of inner mitochondrial membrane 50 homolog	unknown	48526509	3.7	37.3
sulfide dehydrogenase like	unknown	10864011	10.3	20.7
fragile X mental retardation-related protein 1 isoform a	unknown	61835148	0.7	10.3
sterile alpha motif domain containing 4B	unknown	55742695	0.0	7.7
basic leucine zipper and W2 domains 1	unknown	41281429	0.0	6.7
resistance to inhibitors of cholinesterase 8 homolog A	unknown	27883866	0.0	6.3
signal recognition particle 68kDa	unknown	24497620	0.0	4.7
UBX domain containing 8	unknown	24797106	0.0	4.3
hematological and neurological expressed 1 isoform 1	unknown	7705877	0.0	4.0
basophilic leukemia expressed protein BLES03 isoform 2	unknown	208431769	0.0	4.0
small nuclear ribonucleoprotein polypeptide A	unknown	4759156	0.0	3.7
inosine triphosphatase isoform a	unknown	15626999	0.0	3.7
nucleolar protein 1, 120kDa	unknown	76150623	0.0	3.7
zinc finger protein 9 isoform 3	unknown	4827071	0.0	3.3
TIP41, TOR signalling pathway regulator-like isoform 1	unknown	23097250	0.0	3.3
LAG1 longevity assurance 2	unknown	31077094	0.0	3.3
ras homolog gene family, member G	unknown	46249393	0.0	3.3
colonic and hepatic tumor over-expressed protein isoform a	unknown	57164942	0.0	3.3
breast cancer membrane protein 11	unknown	28827801	0.0	3.0
DEAD (Asp-Glu-Ala-Asp) box polypeptide 18	unknown	38327634	0.0	3.0
KDEL (Lys-Asp-Glu-Leu) containing 2	unknown	153218487	0.0	3.0
elongation of very long chain fatty acids-like 2	unknown	157388945	0.0	3.0

<sup>a</sup>Functional annotation is based on Protein Knowledgebase at <http://www.uniprot.org>.