

Table S4. List of enzymes in metabolic pathways identified in four notothenioid fishes

Sequence Description	No. contigs	liver				brain			
		NC*	PA*	CA*	DM*	NC	PA	CA	DM
zona pellucida sperm-binding protein 3-like	490				0				
apolipoprotein a-i	425		0	0	0	0	0	0	0
novel protein	350	0	0	0	0	0	0	0	0
orf2-encoded protein	339	0	0	0	0	0	0	0	0
reverse transcriptase-like protein	181	0	0	0	0	0	0	0	0
complement component c3	136	0	0	0	0				0
apolipoprotein a-i precursor	124				0				0
fibrinogen beta chain precursor	121		0		0				0
nadh dehydrogenase	118	0	0	0	0	0	0	0	0
cathepsin z precursor	114		0		0	0			
14 kda apolipoprotein	110		0	0	0	0	0	0	0
retrotransposable element tf2 155 kda protein type 1-like	109	0		0	0	0	0	0	
reverse transcriptase ribonuclease h methyltransferase-like	96	0		0		0		0	
ependymin-1 precursor	95				0	0	0	0	0
member ras oncogene family	95	0	0	0	0	0	0	0	0
apolipoprotein e	88	0	0		0			0	0
male-specific protein	84	0	0	0	0	0	0	0	0
retrotransposon-like family member (retr-1)-like	82	0		0	0	0	0	0	
reverse transcriptase	76	0	0	0	0	0	0	0	0
creatine testis isozyme	68			0	0		0	0	0
choriogenin l	66		0	0	0				0
gag-pol poly	63	0		0		0		0	
39s ribosomal protein mitochondrial precursor	62	0	0	0	0	0	0	0	0
general transcription factor ii-i repeat domain-containing protein 2-like	62	0	0	0	0	0	0	0	0
endonuclease-reverse transcriptase	59	0	0	0	0	0	0	0	
novel protein bloodthirsty	59	0	0	0	0	0			0
protein s100-b-like	59				0		0		0
fish virus induced trim protein	56	0	0	0		0	0	0	
af442732_2lambda-recombinase-like protein	55	0		0	0	0	0	0	0
complement c1q-like protein 4 precursor	55	0	0	0	0		0		0
glyceraldehyde-3-phosphate dehydrogenase	55	0	0	0	0	0	0	0	0
multiple banded antigen	54				0				
uncharacterized protein	54		0		0		0		0
family with sequence similarity member a	53	0	0	0	0	0	0	0	0
iron-sulfur cluster assembly enzyme mitochondrial precursor	48	0	0	0	0	0		0	0
conserved plasmodium protein	47				0				0
f-type lectin	47		0	0	0				
ubiquitin c	47				0			0	0
coatomer subunit epsilon	46	0	0	0	0	0	0	0	0
gag-pol polyprotein	46	0	0	0	0	0	0	0	
60s ribosomal protein 15	44	0	0	0	0	0	0	0	0
transferrin	44	0	0	0	0	0		0	0
pol-like protein	43	0		0	0	0	0	0	
polyprotein-like	42	0	0	0	0	0	0	0	0
zona pellucida glycoprotein	42	0		0	0	0			
adp atp translocase 2	41	0	0	0	0	0	0	0	0
atp synthase subunit mitochondrial precursor	41	0	0	0	0	0	0	0	0
choriogenin h	41	0		0	0				
fibrinogen gamma chain-like	40				0				
gap-pol poly	40	0		0		0	0		

guanine nucleotide-binding protein subunit beta-2-like 1	40	0	0	0	0	0	0	0
line-1 reverse transcriptase homolog	40	0	0	0	0	0	0	0
myosin heavy chain	40	0	0	0	0	0	0	0
tubulin beta-2c chain	40	0	0	0	0	0	0	0
beta-actin	39	0	0	0	0	0	0	0
fibrinogen alpha chain	39	0	0	0	0	0	0	0
elongation factor 2	38	0	0	0	0	0	0	0
lactose-binding lectin l-2-like	38	0	0	0	0	0	0	0
mannose-binding lectin-associated serine protease-3b	38	0	0	0	0	0	0	0
myomesin 185kda	38	0	0	0	0	0	0	0
family with sequence similarity member b	37	0	0	0	0	0	0	0
calmodulin	36	0	0	0	0	0	0	0
na+ k+ alpha 1 polypeptide	36	0	0	0	0	0	0	0
glutamine synthetase	35	0	0	0	0	0	0	0
warm temperature acclimation protein 65 kda-2	35	0	0	0	0	0	0	0
atp synthase subunit mitochondrial	34	0	0	0	0	0	0	0
bile salt-activated lipase	34	0	0	0	0	0	0	0
serpina1 protein	34	0	0	0	0	0	0	0
translationally-controlled tumor protein	34	0	0	0	0	0	0	0
phospholipid hydroperoxide glutathione peroxidase	33	0	0	0	0	0	0	0
zinc finger protein	33	0	0	0	0	0	0	0
apolipoprotein b	32	0	0	0	0	0	0	0
endonuclease reverse transcriptase	32	0	0	0	0	0	0	0
ribosylidihydronicotinamide dehydrogenase	32	0	0	0	0	0	0	0
antihemorrhagic factor chlp-b	31	0	0	0	0	0	0	0
cytochrome c oxidase subunit mitochondrial precursor	31	0	0	0	0	0	0	0
middle subunit	31	0	0	0	0	0	0	0
stathmin	31	0	0	0	0	0	0	0
transposase	31	0	0	0	0	0	0	0
enzymatic poly	30	0	0	0	0	0	0	0
fam111a protein	30	0	0	0	0	0	0	0
heat shock protein 90	30	0	0	0	0	0	0	0
egg envelope protein	29	0	0	0	0	0	0	0
ribosomal protein l4	29	0	0	0	0	0	0	0
type alpha 1	29	0	0	0	0	0	0	0
60s ribosomal protein l7	28	0	0	0	0	0	0	0
atp synthase lipid-binding mitochondrial precursor	28	0	0	0	0	0	0	0
copia-type -like	28	0	0	0	0	0	0	0
histone	28	0	0	0	0	0	0	0
mgc86501 protein	28	0	0	0	0	0	0	0
serpin peptidase clade a (alpha-1 antitrypsin) member 7	28	0	0	0	0	0	0	0
af442732_1 gag protein	27	0	0	0	0	0	0	0
cofilin-2	27	0	0	0	0	0	0	0
leucine-rich repeat neuronal protein 1-like	27	0	0	0	0	0	0	0
uba and wwe domain containing 1	26	0	0	0	0	0	0	0
atp synthase f0 subunit 6	25	0	0	0	0	0	0	0
clusterin precursor	25	0	0	0	0	0	0	0
elongation factor 1 alpha	25	0	0	0	0	0	0	0
heat shock protein 70	25	0	0	0	0	0	0	0
lipocalin precursor	25	0	0	0	0	0	0	0
nlr pyrin domain containing 1-like	25	0	0	0	0	0	0	0
ornithine decarboxylase antizyme 1	25	0	0	0	0	0	0	0
superoxide dismutase	25	0	0	0	0	0	0	0

AF503912_1polyprotein [Danio rerio]	24	0	0	0			0	0	
calpastatin	24	0							
dynein light chain cytoplasmic	24	0	0	0	0	0	0	0	0
heat shock protein 90 beta	24			0	0	0	0	0	0
nattectin precursor	24	0	0	0					
zinc finger	24	0		0	0	0		0	
4-hydroxyphenylpyruvate dioxygenase	23		0	0	0				
death-associated 1-a	23	0	0	0	0	0		0	0
h-2 class ii histocompatibility antigen gamma chain	23	0	0	0	0	0	0	0	0
integral membrane protein 2b	23	0	0	0	0	0	0	0	0
poly a binding cytoplasmic 1 b	23	0	0		0		0		0
prostaglandin e synthase 3	23	0	0	0	0			0	0
protein tyrosine receptor d	23	0	0			0	0	0	
ribosomal protein l6	23	0	0	0	0	0		0	0
basic transcription factor 3	22	0	0	0	0	0	0	0	0
cd9 antigen	22	0	0	0	0	0	0	0	0
epididymal secretory protein e1 precursor	22	0	0	0	0	0		0	0
fructose-bisphosphate aldolase c	22					0	0	0	0
reticulon 1	22						0	0	0
zinc mym domain containing 1	22	0		0		0		0	
60s acidic ribosomal protein p0	21	0	0	0	0	0		0	0
beta tubulin	21				0				0
complement c4	21	0	0	0	0		0		
elongation factor 1-delta	21	0	0	0	0	0	0	0	0
fetuin b	21		0	0	0				
glycogen muscle form	21	0	0				0	0	0
isocitrate dehydrogenase	21	0	0	0	0	0	0	0	0
leucine-rich repeat neuronal protein partial	21								0
mid1-interacting protein 1	21	0	0	0	0		0	0	0
myosin binding protein slow type	21	0							
p2x purinoceptor 7	21	0		0		0		0	
phosphoglycerate mutase 1	21	0	0	0	0	0	0	0	0
ret finger	21	0		0					
triosephosphate isomerase	21	0	0	0		0		0	0
ubiquitin-conjugating enzyme e2 d2	21	0	0	0	0		0	0	0
40s ribosomal protein s3a	20	0	0	0	0		0	0	0
c1q-like protein	20		0						
cellular nucleic acid-binding protein	20	0	0	0	0			0	0
complement factor h-like	20				0				
fatty acid-binding heart	20	0	0	0	0	0	0	0	0
gtpase imap family member 7	20	0		0		0		0	
heat shock cognate 70	20	0	0	0	0	0		0	0
myosin light polypeptide 6	20	0	0	0	0	0	0	0	0
nadh dehydrogenase iron-sulfur protein mitochondrial precursor	20	0	0	0	0	0	0	0	0
pol polyprotein	20	0		0		0		0	
protein ambp precursor	20		0	0	0				0
sumo-conjugating enzyme ubc9	20	0	0	0	0	0	0	0	
uridine phosphorylase 2	20		0	0	0				0
alcohol dehydrogenase class-3	19	0	0	0		0	0	0	0
apolipoprotein c-i precursor	19				0				0
atp-dependent rna helicase ddx39	19	0	0	0	0	0	0		0
beta-synuclein	19								0
cathepsin d	19	0	0	0	0	0		0	0
cold-inducible rna-binding protein	19	0	0	0	0				0
egg envelope component zpax	19			0	0				
elongation factor 1-alpha	19	0		0	0	0		0	0
furry homolog	19	0	0				0		

myosin regulatory light chain smooth muscle isoform	19	0	0	0	0	0	0	0	0
proactivator polypeptide precursor	19	0	0	0	0	0	0	0	0
profilin-2	19	0	0	0	0	0	0	0	0
t-complex protein 1 subunit epsilon	19				0			0	0
transposable element tcb1 transposase	19	0		0	0	0		0	
alpha tubulin	18				0	0			0
arginine vasotocin preprohormone	18						0		0
coatomer subunit zeta-1	18	0		0	0	0		0	0
cytochrome b-c1 complex subunit mitochondrial precursor	18	0	0	0		0	0	0	0
cytochrome family subfamily polypeptide 1	18	0	0	0		0	0		
eno1 protein	18				0				0
fibronectin 1b	18	0	0	0	0	0	0	0	
glutathione s-transferase	18	0	0	0	0	0		0	0
nucleic acid binding protein	18	0	0	0	0	0	0	0	
pentraxin	18	0	0	0	0	0		0	0
probable glutamate receptor-like	18						0		0
protein z-dependent protease inhibitor-like	18				0				0
titin	18	0			0		0		
tmsb4x protein	18	0	0			0		0	0
40s ribosomal protein s4	17	0	0	0	0	0	0	0	0
ankyrin node of ranvier (ankyrin g)	17	0				0	0	0	
cerebellin-1 precursor	17							0	0
cytochrome c	17	0	0	0	0	0			0
electron transfer flavoprotein subunit mitochondrial precursor	17	0	0	0	0	0	0	0	0
glutathione s-transferase kappa 1 heavy subunit	17	0	0	0	0	0	0	0	0
high mobility group protein b2	17	0	0	0	0		0		0
microsomal glutathione s-transferase 3	17	0	0	0		0		0	0
nadh dehydrogenase 1 beta subcomplex subunit mitochondrial precursor	17	0	0	0		0	0	0	
peptidyl-prolyl cis-trans isomerase h	17	0		0	0	0			0
peroxiredoxin 6	17	0	0	0	0	0		0	0
scan domain containing 3	17	0	0	0		0	0		
tubulin alpha-1c chain- partial	17				0				0
type 1 collagen alpha 2	17	0	0	0		0		0	
zgc:161969 protein	17	0	0	0			0	0	0
40s ribosomal protein sa	16				0		0	0	0
60s ribosomal protein 119	16	0	0		0	0	0	0	0
60s ribosomal protein 135	16	0	0	0	0	0	0	0	
alanine aminotransferase 2-like	16	0	0	0	0	0	0	0	0
chromobox protein homolog 3	16	0	0	0	0	0	0	0	0
cytoplasmic dynein 1 heavy chain 1	16	0				0	0	0	0
eukaryotic translation initiation factor 4 2	16	0	0	0		0	0	0	0
fatty acid-binding brain	16	0				0	0	0	0
fgg protein	16		0		0				
fibrinogen gamma chain precursor	16				0				0
fk506-binding protein 1a	16	0		0	0	0		0	0
fructose-bisphosphate aldolase b	16		0	0	0				
immunoglobulin mu heavy chain	16	0							
lactate dehydrogenase-a	16	0	0	0	0			0	0
mhc class ii antigen beta chain	16	0		0			0		0
nascent polypeptide-associated complex subunit alpha	16	0	0	0	0	0	0	0	0
proteasome activator complex subunit 1	16	0	0	0	0	0		0	0
scan domain-containing protein 3-like	16	0	0	0		0	0	0	
tubulin beta chain variant 1	16				0				0
vacuolar proton pump subunit e 1	16	0	0	0	0	0			0

zgc:171352 protein	16		0	0	0				
14-3-3 protein beta alpha	15	0	0	0	0	0		0	0
60s acidic ribosomal protein p2	15	0	0	0		0	0	0	
apolipoprotein c-ii	15		0	0	0	0	0		0
beta-2 microglobulin	15				0				0
beta-microseminoprotein precursor	15		0	0	0		0		
complement component c9	15		0	0	0				
complement factor h	15		0	0	0	0			
copine iii	15	0	0	0				0	0
cytochrome c oxidase subunit 4 isoform mitochondrial precursor	15	0	0	0	0	0	0	0	0
glycine cleavage system h mitochondrial precursor	15	0	0	0	0	0		0	0
inter-alpha-trypsin inhibitor heavy chain h3- like	15		0		0				0
low density lipoprotein receptor-related protein 1	15	0					0	0	
malate mitochondrial precursor	15	0	0	0		0	0	0	0
microfibril-associated glycoprotein 4-like	15		0				0		
microtubule-associated protein 1a	15					0	0	0	
myelin basic protein	15	0				0	0	0	0
ras homolog enriched in brain	15	0	0	0		0	0		0
ribosomal protein s12	15	0	0	0	0	0		0	
sjchgc03009 protein	15	0	0	0			0	0	0
succinate dehydrogenase iron-sulfur mitochondrial precursor	15	0	0	0	0	0	0	0	0
thioredoxin	15	0	0	0	0	0		0	0
tpa_inf: rtn1	15				0			0	0
transgelin	15	0		0	0	0		0	0
uncharacterized protein kiaa1586	15	0				0		0	
zinc finger bed domain-containing protein 1	15	0			0	0		0	0
alpha-2-hs-glycoprotein precursor	14				0				
basic leucine zipper and w2 domains 1	14	0	0	0	0	0			
beta-2-microglobulin precursor	14	0	0	0		0		0	
betaine--homocysteine s-methyltransferase 1	14	0	0		0				0
chaperonin containing subunit 6a (zeta 1)	14	0	0		0	0	0		0
cystatin precursor	14	0	0	0	0	0	0	0	0
dynein light chain tctex-type 3	14	0		0		0			
eukaryotic translation initiation factor 5	14	0	0	0	0	0	0	0	0
family with sequence similarity member a1	14	0	0	0		0	0		
inter-alpha inhibitor h3	14	0	0	0			0		
malate cytoplasmic	14	0	0	0	0			0	0
nadh dehydrogenase subunit 5	14	0	0	0		0	0	0	0
nuclear protein 1	14	0	0	0	0	0		0	0
nuclear receptor subfamily group member 2	14	0	0	0			0	0	
peroxiredoxin 5	14	0	0	0		0	0	0	0
ras-related protein rab-7a	14	0	0	0		0		0	0
retrovirus -like	14	0				0		0	
rnase k	14	0	0	0		0	0	0	0
sbcfr-1 protein	14		0		0				
serine incorporator 1	14	0	0	0			0	0	0
solute carrier family member 3	14	0	0	0			0	0	
transcription factor btf3 homolog 4	14	0	0	0	0	0	0	0	
transmembrane protein 111	14	0	0	0	0	0		0	0
tributyltin binding protein type 1	14				0				
ubiquitin specific peptidase 7 (herpes virus- associated)	14	0				0		0	
unconventional prefoldin rpb5 interactor-like	14				0				
vacuolar atp synthase 16 kda proteolipid subunit	14	0	0	0	0	0			0

annexin a5	13	0	0	0	0	0	0	0	0
atp synthase-coupling factor mitochondrial precursor	13	0	0	0	0	0		0	0
baculoviral iap repeat-containing 6	13	0	0				0		
c1 inhibitor	13		0	0	0				
ccr4-not transcription subunit 1	13	0	0	0			0	0	
cd81 antigen	13	0	0	0		0	0	0	
complement factor h-related 1	13		0	0	0				
cytochrome c oxidase polypeptide viia-liver mitochondrial precursor	13	0	0	0		0		0	
dna-damage-inducible transcript 4	13	0	0	0					0
eh domain binding protein 1	13	0					0		
enhancer of rudimentary homolog	13	0	0		0	0		0	0
eukaryotic translation initiation factor 3 subunit g	13	0	0	0	0	0	0	0	0
gag-pol fusion polyprotein	13			0		0	0	0	
glutathione peroxidase 4b	13	0	0		0	0		0	0
glutathione s-transferase theta-1	13	0	0	0	0	0			0
imap family member 4-like	13	0		0					
interferon-induced very large gtpase 1-like	13	0		0					
isotocin precursor	13					0	0	0	0
leukocyte elastase inhibitor	13	0	0	0		0			
mannose-binding protein c precursor	13	0				0			
methionine adenosyltransferase alpha	13	0	0	0			0	0	
nadh dehydrogenase subunit 4	13	0	0	0		0	0	0	0
nicotinamide riboside kinase 2	13	0	0	0	0	0		0	0
nuclease-sensitive element-binding protein 1	13	0	0		0		0	0	0
pituitary tumor-transforming gene 1 protein-interacting protein precursor	13	0	0	0	0	0		0	0
proteasome subunit alpha type-3	13	0	0		0	0	0		0
proteasome subunit alpha type-7	13	0	0	0	0	0		0	0
ribosomal protein l7a	13	0	0	0	0	0	0	0	0
ribosomal protein l8	13		0	0	0	0		0	0
ribosomal protein s9	13	0	0	0	0	0	0	0	0
serine threonine-protein phosphatase pp1-beta catalytic subunit	13	0	0	0	0	0	0	0	0
splicing factor 3b subunit 1	13	0	0	0	0	0	0	0	0
tumor suppressor candidate 2	13	0	0	0	0			0	0
28s ribosomal protein mitochondrial precursor	12	0	0		0	0		0	
40s ribosomal protein s24	12	0	0	0	0	0	0		
40s ribosomal protein s27	12	0	0	0	0	0		0	
actin-related protein 2 3 complex subunit 4	12	0	0	0	0	0	0		0
ankyrin erythrocytic	12	0				0	0		
beta-2-glycoprotein 1-like	12		0		0		0		
calpain small subunit 1	12	0	0	0	0	0		0	0
casein kinase ii subunit alpha	12		0			0	0	0	0
cathepsin h	12	0		0	0	0		0	0
ceruloplasmin	12		0	0	0				
chaperonin containing subunit 2	12	0	0	0		0		0	0
complement factor h precursor	12				0				
cyclin g1	12	0	0	0	0	0		0	0
cytochrome b-c1 complex subunit 10	12	0	0	0		0	0	0	
cytochrome c oxidase polypeptide viii-mitochondrial precursor	12	0	0	0		0	0	0	
cytochrome c oxidase subunit via polypeptide 1	12	0		0	0	0	0	0	
envelope polyprotein	12	0			0	0		0	
eukaryotic translation elongation factor 1 gamma	12	0	0	0	0	0		0	0

fam18b	12	0	0	0	0	0	0	0
gamma-aminobutyric acid receptor-associated protein	12	0	0	0	0		0	0
glycyl-trna synthetase	12	0	0	0	0		0	0
growth hormone	12				0			
high-mobility group box 1	12			0	0	0	0	0
keratin 18	12	0	0	0		0		0
kiaa1586 protein	12	0						
lyr motif-containing protein 5	12	0	0	0		0	0	0
nad h dehydrogenase	12				0			
oligosaccharyltransferase complex subunit oste	12	0	0	0	0	0	0	0
pleiotrophin precursor	12	0					0	0
prolow-density lipoprotein receptor-related protein 1	12	0	0				0	0
proteasome subunit alpha type-4	12	0	0	0	0	0	0	0
protein s100-b	12	0					0	0
pseudouridine rsu	12				0			
rna-binding protein 8a	12	0	0	0	0	0	0	0
ryanodine receptor 3	12	0				0	0	
small ubiquitin-related modifier 2 precursor	12	0		0		0		0
spen transcriptional regulator	12	0	0	0	0	0	0	0
splicing arginine serine-rich 11	12	0	0	0		0		0
transcription elongation factor b polypeptide 2	12	0	0	0	0	0	0	0
transmembrane protein 30a	12	0		0			0	0
u6 snrna-associated sm-like protein lsm6	12	0	0		0	0	0	0
ubiquitin a-52 residue ribosomal protein fusion product 1	12	0	0	0	0	0		0
ubiquitin protein ligase e3 component n-recogin 4	12	0	0				0	
ubiquitin-conjugating enzyme e2 d4	12	0	0	0		0		0
vacuolar protein sorting-associated protein 11 homolog	12	0	0	0	0			0
voltage-dependent anion channel 2	12	0	0	0		0	0	0
x-box binding protein 1	12	0	0	0				0
26s protease regulatory subunit 7	11	0	0	0	0		0	0
26s proteasome non-atpase regulatory subunit 4	11	0	0	0	0	0	0	0
60s acidic ribosomal protein p1	11	0	0	0	0			0
60s ribosomal protein l3	11	0			0		0	0
alpha-2-macroglobulin-like protein 1-like	11		0		0			
catechol-o-methyltransferase domain-containing protein 1	11	0	0	0	0	0	0	
coatomer subunit beta	11	0	0	0			0	0
coiled-coil domain-containing protein 56	11	0	0	0	0	0	0	
complement factor b	11		0	0	0			
complement factor d precursor	11	0	0					
complement factor properdin	11		0	0	0			
cyclic amp-dependent transcription factor atf-4	11	0	0	0		0	0	0
cytochrome c oxidase subunit vib isoform 1	11	0	0	0		0	0	0
cytoplasmic dynein 1 heavy chain 1-like	11		0	0		0	0	0
deah (asp-glu-ala-his) box polypeptide 15	11	0	0	0		0	0	
diablo mitochondrial precursor	11	0	0	0	0	0		0
dna-binding protein inhibitor id-1	11	0	0	0	0	0		0
elongation factor 1-gamma	11				0		0	0
ethanolamine kinase 1	11	0	0	0			0	0
eukaryotic translation initiation factor 4 gamma 1	11	0	0	0	0	0	0	0

gamma-secretase subunit pen-2	11	0	0	0	0	0	0	0
glycogen debranching enzyme	11	0						
glyoxylate reductase hydroxypyruvate reductase	11	0	0	0	0			0
gtf2i repeat domain containing 2	11	0				0	0	
guanine nucleotide binding protein (g protein) gamma 5	11	0	0	0	0	0	0	
heterogeneous nuclear ribonucleoprotein k	11	0	0	0	0	0	0	
heterogeneous nuclear ribonucleoprotein l	11	0	0	0	0	0	0	0
hexokinase 1	11	0	0					0
hypothetical loc792613	11	0	0	0	0	0	0	
immunoglobulin m heavy chain secreted form	11	0		0	0			
integral membrane protein 1	11	0	0	0	0	0	0	0
inter-alpha-trypsin inhibitor heavy chain h3	11		0		0			
member of ras oncogene family	11	0	0	0	0	0		0
myeloid leukemia factor 1	11	0						
nadh dehydrogenase subunit 2	11		0	0	0	0	0	0
novel nacht domain containing protein	11	0		0		0		0
probable glutamate receptor precursor	11					0	0	0
protein ambp-like	11				0			
retinoic acid receptor responder protein 3	11	0	0	0	0	0	0	0
retinol binding protein cellular	11	0	0	0	0	0	0	
riken cdna isoform cra_a	11	0		0	0	0	0	
saccharopine dehydrogenase	11	0	0			0		
scavenger receptor class member 2	11	0	0				0	0
secreted protein	11				0			
serine threonine-protein phosphatase 2a catalytic subunit beta isoform	11	0	0	0	0	0	0	0
serum lectin isoform 3	11	0	0	0				
sodium potassium-transporting atpase subunit beta-233	11	0	0			0	0	0
sorcin	11	0		0	0	0	0	0
sorting nexin 14	11	0	0			0	0	0
spastic ataxia of charlevoix-saguenay	11	0		0			0	0
speg complex locus	11	0					0	0
s-phase kinase-associated protein 1	11	0	0	0	0	0	0	0
succinate dehydrogenase	11	0	0		0	0	0	0
tubulin alpha-4a chain	11	0	0		0	0	0	0
tubulin beta-1 chain	11	0	0	0	0	0		0
ubiquinol-cytochrome c reductase core protein ii	11	0	0			0		0
ubiquitin-conjugating enzyme e2 a	11	0	0	0	0	0	0	0
ubiquitin-conjugating enzyme e2 g1	11	0	0	0	0	0	0	
ubiquitin-conjugating enzyme e2 k	11	0	0	0	0	0	0	
ubiquitin-conjugating enzyme e2 variant 2	11	0	0	0	0	0	0	0
udp-glucuronosyltransferase 2a1-like	11	0		0			0	
vitellogenin	11			0				
26s proteasome non-atpase regulatory subunit 8	10	0	0	0	0	0	0	0
40s ribosomal protein s11	10	0	0	0	0	0	0	0
40s ribosomal protein s19	10		0		0		0	0
60s ribosomal protein l10a	10	0	0	0	0	0	0	
60s ribosomal protein l32	10	0	0	0	0	0	0	0
acyl- -binding domain-containing protein 7	10	0	0	0	0	0	0	0
acyl-coenzyme a c-4 to c-12 straight chain	10	0	0	0	0		0	0
alanine-glyoxylate aminotransferase	10		0	0	0			0
alpha globin	10	0	0		0	0		0
atpase mitochondrial precursor	10	0	0	0	0	0	0	0
bccip homolog	10	0	0	0	0	0	0	0
bleomycin hydrolase	10	0	0	0	0	0	0	0

calcium voltage-1 alpha 1s subunit	10	0							
carnitine acetyltransferase	10	0	0	0			0	0	
coagulation factor vii	10		0	0	0				0
complement component 1 q subcomponent-binding mitochondrial precursor	10	0	0	0	0			0	
cytochrome b	10	0	0	0	0	0	0	0	0
cytochrome c oxidase subunit i	10	0	0	0			0	0	
dead (asp-glu-ala-asp) box polypeptide 1	10	0	0	0		0		0	
deleted in malignant brain tumors 1	10		0	0	0				
diacylglycerol o-acyltransferase 2	10	0	0	0	0		0		
diamine acetyltransferase 1	10	0	0	0		0		0	
eukaryotic translation initiation factor 3 subunit i	10	0	0	0	0	0	0		0
family with sequence similarity member c	10	0	0	0	0		0		
fk506 binding protein 25kda	10	0	0	0		0	0	0	0
fk506-binding protein 3	10				0				0
gamma-interferon-inducible lysosomal thiol reductase precursor	10	0		0	0	0		0	0
glutaryl-coenzyme a dehydrogenase	10	0	0	0	0				
gtp-binding protein sar1b	10	0	0	0			0		
h chain thrombin inhibitor complex	10				0				0
h+ v1 subunit h	10	0	0	0		0		0	0
high mobility group protein b1	10	0			0			0	0
histone deacetylase complex subunit sap18	10	0	0	0	0			0	
hydroxyacyl-coenzyme a mitochondrial precursor	10	0	0	0	0	0		0	0
isoamyl acetate-hydrolyzing esterase 1 homolog	10	0	0	0	0	0		0	
kinesin family member 1a	10		0				0	0	
lipoprotein lipase	10	0	0	0	0			0	
major facilitator superfamily domain containing 2	10	0	0	0			0		0
microtubule-associated protein 1b mitochondrial precursor	10	0			0	0		0	0
mki67 fha domain-interacting nucleolar phospho	10	0	0	0	0	0		0	0
mrna turnover protein 4 homolog	10		0	0	0	0		0	0
na+ k+ alpha 3a polypeptide	10	0				0	0	0	
nedd8 precursor	10	0	0	0		0		0	0
non-erythrocytic 1	10	0					0	0	
nucleotide-binding oligomerization domain containing 2-like	10	0				0		0	
peptidyl-prolyl cis-trans isomerase-like	10				0				0
peptidyl-prolyl cis-trans mitochondrial precursor	10	0	0	0	0	0	0	0	
phosphoglucose isomerase	10	0	0	0				0	0
phospholemman precursor	10	0	0	0		0		0	0
probable e3 ubiquitin-protein ligase mycbp2	10	0	0	0		0	0	0	0
proliferating cell nuclear antigen	10	0	0		0	0		0	
protein lsm12 homolog	10	0	0	0		0		0	
protein phosphatase catalytic subunit	10	0	0	0		0		0	0
protein rer1	10	0	0	0	0	0	0	0	0
proteolipid protein 1b	10	0			0		0	0	0
purine nucleoside phosphorylase	10	0	0	0	0				
retinoid x receptor beta	10	0	0	0			0	0	
retrotransposon-derived protein peg10-like	10	0		0		0		0	
secretogranin-2 precursor	10					0	0	0	0
selenoprotein t	10	0	0	0		0		0	
serine threonine-protein phosphatase pp1-gamma catalytic subunit	10	0	0				0	0	

signal recognition particle 9 kda protein	10	0	0	0	0	0	0	0
splicing factor proline glutamine rich (polypyrimidine tract binding protein associated)	10	0	0	0	0	0	0	0
succinate dehydrogenase assembly factor mitochondrial precursor	10	0	0	0	0	0	0	0
survival of motor neuron-related-splicing factor 30	10	0	0	0	0	0	0	0
tetraspanin 7	10	0	0	0	0	0	0	0
ubiquitin carboxyl-terminal hydrolase isozyme 11	10	0	0	0	0	0	0	0
ubiquitin-activating enzyme e1	10	0	0	0	0	0	0	0
ubiquitin-conjugating enzyme e2 l3	10	0	0	0	0	0	0	0
vitellogenin b	10	0	0	0	0	0	0	0
vitronectin precursor	10	0	0	0	0	0	0	0
xin actin-binding repeat containing 2	10	0	0	0	0	0	0	0
zinc finger bed domain-containing protein 5	10	0	0	0	0	0	0	0
14-3-3 protein beta alpha-2	9	0	0	0	0	0	0	0
1-acylglycerol-3-phosphate o-acyltransferase 4 (lysophosphatidic acid delta)	9	0	0	0	0	0	0	0
40s ribosomal protein s23	9	0	0	0	0	0	0	0
40s ribosomal protein s8	9	0	0	0	0	0	0	0
4f2 cell-surface antigen heavy chain	9	0	0	0	0	0	0	0
60s ribosomal protein l10	9	0	0	0	0	0	0	0
60s ribosomal protein l12	9	0	0	0	0	0	0	0
60s ribosomal protein l17	9	0	0	0	0	0	0	0
6-phosphofructokinase type c	9	0	0	0	0	0	0	0
a chain low resolution structures of bovine mitochondrial f1-atpase during controlled dehydration: hydration state	9	0	0	0	0	0	0	0
actin	9	0	0	0	0	0	0	0
adenosine kinase	9	0	0	0	0	0	0	0
adp-ribosylation factor 1	9	0	0	0	0	0	0	0
apolipoprotein c-i-like	9	0	0	0	0	0	0	0
apoptosis-associated speck-like protein containing a card	9	0	0	0	0	0	0	0
b-cell receptor-associated protein 31	9	0	0	0	0	0	0	0
bcl2 adenovirus e1b 19 kda protein-interacting protein 3	9	0	0	0	0	0	0	0
biotinidase precursor	9	0	0	0	0	0	0	0
cathepsin b	9	0	0	0	0	0	0	0
cathepsin f	9	0	0	0	0	0	0	0
cathepsin l	9	0	0	0	0	0	0	0
cation transport regulator-like protein 1	9	0	0	0	0	0	0	0
cd59 glycoprotein precursor	9	0	0	0	0	0	0	0
chaperonin containing subunit 5	9	0	0	0	0	0	0	0
clusterin	9	0	0	0	0	0	0	0
coiled-coil-helix-coiled-coil-helix domain containing 2 variant 1	9	0	0	0	0	0	0	0
conserved helix-loop-helix ubiquitous kinase	9	0	0	0	0	0	0	0
cop9 signalosome complex subunit 6	9	0	0	0	0	0	0	0
copper transport protein atox1	9	0	0	0	0	0	0	0
cyclin b1	9	0	0	0	0	0	0	0
cytoplasmic linker associated protein 2	9	0	0	0	0	0	0	0
cytoskeletal calmodulin and titin-interacting dehydrogenase reductase sdr family member 12	9	0	0	0	0	0	0	0
double-stranded rna-binding protein staufen homolog 1	9	0	0	0	0	0	0	0
e3 ubiquitin-protein ligase march7	9	0	0	0	0	0	0	0

ependymin precursor	9	0	0	0	0	0	0	0
flf0-type atp synthase subunit g	9	0		0	0	0	0	
fibrinogen beta chain	9		0	0	0			
fibrinogen gamma chain	9		0	0	0			0
fibulin 2	9	0						
fructose- -bisphosphatase 1	9		0	0	0			0
g1 to s phase transition 1	9	0	0	0		0		0
general transcription factor ii-i repeat domain-containing protein 2a-like	9	0		0			0	
glycogenin 1	9	0	0		0			
golgi snap receptor complex member 1	9	0	0	0	0	0	0	0
growth hormone inducible transmembrane protein	9	0	0	0		0	0	0
histone cluster h1b-like	9	0				0		0
histone cluster h2bc-like	9	0				0		
importin subunit alpha-2	9	0	0		0		0	0
integral membrane protein 2c	9	0	0	0		0	0	0
isochorismatase domain-containing protein	9	0	0	0	0	0	0	0
mitochondrial precursor	9							
isocitrate dehydrogenase 3 (nad+) alpha	9	0	0	0		0	0	0
jagunal homolog 1	9	0	0	0	0	0		0
loc400590 protein	9	0	0		0	0		0
low molecular weight phosphotyrosine protein phosphatase	9	0		0		0	0	0
lower subunit	9		0	0	0	0		0
lysosomal protective	9				0			0
lysyl-trna synthetase	9	0	0	0		0	0	
manganese superoxide dismutase	9	0	0	0		0		0
methionine aminopeptidase 1	9	0		0	0		0	0
mitochondrial fission 1 protein	9	0	0	0	0	0	0	0
mitochondrial import receptor subunit tom40 homolog	9	0	0		0	0		0
mitogen-activated protein kinase 14a	9	0	0		0		0	0
myosin phosphatase rho interacting protein	9	0					0	0
nad-dependent deacetylase sirtuin-5	9	0	0				0	0
nfix protein	9	0		0		0		0
nop56 protein	9				0			0
novel protein dna polymerases	9	0		0		0		0
nuclear migration protein nudc	9	0		0	0	0		0
nuclease harbi1-like	9	0		0	0	0		
o-linked n-acetylglucosamine transferase (udp-n-acetylglucosamine:polypeptide-n-acetylglucosaminyl transferase)	9	0	0	0			0	0
orf1-encoded protein	9	0					0	0
phosphoribosylaminoimidazole	9							
phosphoribosylaminoimidazole succinocarboxamide synthetase	9	0	0	0	0			0
pl-5283 protein	9	0	0	0		0		0
plexin a1	9	0				0	0	0
pre-mrna-splicing factor syf2	9	0		0	0	0	0	0
probable signal peptidase complex subunit 2	9	0	0	0	0	0		0
proteasome maturation protein	9	0	0	0	0	0	0	0
proteasome subunit beta type-7 precursor	9	0	0	0		0		0
reticulon 3	9	0	0	0		0	0	
retinoblastoma binding protein 4	9	0			0	0		0
ribosomal protein l13a	9	0	0	0	0	0		0
ribosomal protein l39	9	0		0	0	0		0
ribosomal protein s26	9	0	0		0	0		0
ribosomal protein s7	9	0	0	0	0	0		0
ribosome maturation protein sbds	9	0	0	0			0	0

ring finger protein 121	9	0	0	0	0	0	0	0
rwd domain-containing protein 1	9	0		0	0		0	0
s100-a1	9	0	0	0		0		0
sb:cb283 protein	9	0	0		0	0	0	0
sialic-acid binding protein-4	9					0	0	0
signal recognition particle 19 kda protein	9	0	0	0	0	0		0
small nuclear ribonucleoprotein e	9	0	0			0	0	0
small ubiquitin-related modifier 3 precursor	9	0	0	0	0	0	0	
solute carrier family member 1	9	0	0			0		0
something about silencing protein 10	9	0	0	0	0	0		0
spectrin alpha brain	9	0	0			0	0	0
stearoyl- desaturase	9	0	0	0		0	0	0
sterol o-acyltransferase 1	9		0	0	0			
subfamily member 3	9	0	0	0		0		
subfamily member 9	9	0	0	0	0	0	0	
synaptosome-associated protein 25a	9				0	0	0	0
tax1 (human t-cell leukemia virus type i) binding protein 3	9	0	0					
t-cell receptor beta chain ana 11	9	0	0			0	0	0
t-complex protein 1 subunit delta	9	0	0		0	0	0	0
t-complex protein 1 subunit theta	9	0	0	0	0	0		0
tetraspanin 3	9	0	0	0	0	0		0
tetraspanin-9	9	0	0	0		0	0	0
thioredoxin domain-containing protein 17	9	0	0			0	0	0
tns1 protein	9	0			0	0	0	
transcription initiation factor tfiid subunit 10	9	0	0	0	0	0		0
transcription initiation factor tfiid subunit 12	9	0	0	0	0	0		0
translocon-associated protein subunit alpha precursor	9	0	0	0				
translocon-associated protein subunit delta precursor	9	0	0	0		0		0
transmembrane protein 50a	9	0	0	0	0	0		0
transport protein sec61 subunit alpha	9	0	0	0			0	0
triosephosphate isomerase b	9		0		0	0		0
tripartite motif-containing protein 39	9	0		0			0	0
tropomyosin 4	9	0	0	0		0	0	
tyrosine aminotransferase	9		0	0	0			
ubiquitin	9	0	0		0		0	0
ubiquitin fusion degradation protein 1 homolog	9	0	0	0	0	0	0	0
ubiquitin thioesterase otub1	9	0	0	0	0	0		0
ubiquitin-conjugating enzyme e2 e1	9	0	0	0		0	0	
ubiquitin-conjugating enzyme e2 g2	9	0	0	0	0		0	0
ubiquitin-like modifier-activating enzyme 5	9	0	0	0		0		
ubiquitin-like protein 4a	9	0	0	0	0	0		0
ww domain containing e3 ubiquitin protein ligase 1	9	0		0			0	0
zinc finger protein 214-like	9	0		0			0	
zpc domain containing protein 5 precursor	9				0			
14 kda phosphohistidine phosphatase	8	0		0		0		0
14-3-3 protein epsilon	8							0
52 kda ro protein	8	0		0	0			
5-aminolevulinate mitochondrial precursor	8	0	0		0	0	0	0
60s ribosomal protein l37a	8	0	0	0	0	0		
acetyl-coenzyme a carboxylase alpha	8	0	0	0		0		0
activated rna polymerase ii transcriptional coactivator p15	8	0	0		0	0		0
acyl- synthetase long-chain family member 1	8	0	0	0			0	
adp-ribosylation factor 6	8	0	0	0	0			0
ae binding protein 1	8	0	0	0		0		

akirin 2	8	0	0	0	0	0	0	0
aldose reductase	8	0	0	0	0	0	0	0
alpha-1-microglobulin bikunin precursor	8	0	0	0	0	0	0	0
alpha-kinase 3	8	0	0	0	0	0	0	0
alpha-n-acetylgalactosaminidase	8	0	0	0	0	0	0	0
and pleckstrin domain protein 1 (chondrocyte-derived)	8	0	0	0	0	0	0	0
ankyrin repeat and socs box-containing 5	8	0	0	0	0	0	0	0
annexin a11	8	0	0	0	0	0	0	0
annexin a13	8	0	0	0	0	0	0	0
annexin a3	8	0	0	0	0	0	0	0
apolipoprotein c-i	8	0	0	0	0	0	0	0
atp-binding cassette sub-family f member 2	8	0	0	0	0	0	0	0
beta-2-glycoprotein 1 precursor	8	0	0	0	0	0	0	0
bile salt-activated lipase-like	8	0	0	0	0	0	0	0
biliverdin reductase a	8	0	0	0	0	0	0	0
butyrophilin-like 8-like	8	0	0	0	0	0	0	0
c3orf68 homolog	8	0	0	0	0	0	0	0
calcium binding atopy-related autoantigen 1	8	0	0	0	0	0	0	0
calreticulin	8	0	0	0	0	0	0	0
calsyntenin-3 precursor	8	0	0	0	0	0	0	0
capping protein (actin filament) muscle z-alpha 1	8	0	0	0	0	0	0	0
carbonic anhydrase 4-like	8	0	0	0	0	0	0	0
cd63 antigen	8	0	0	0	0	0	0	0
centrosomal protein of 95 kda-like	8	0	0	0	0	0	0	0
chaperonin containing subunit 7	8	0	0	0	0	0	0	0
chromosome 1 open reading frame 151	8	0	0	0	0	0	0	0
clathrin heavy chain 1	8	0	0	0	0	0	0	0
c-myc-binding protein	8	0	0	0	0	0	0	0
coagulation factor v	8	0	0	0	0	0	0	0
complement component 7	8	0	0	0	0	0	0	0
c-type lectin domain family 4 member e	8	0	0	0	0	0	0	0
cysteine sulfinic acid decarboxylase	8	0	0	0	0	0	0	0
cysteine-rich pdz-binding protein	8	0	0	0	0	0	0	0
cysteine-rich with egf-like domains 2	8	0	0	0	0	0	0	0
dedicator of cytokinesis 3	8	0	0	0	0	0	0	0
dimethylaniline monooxygenase	8	0	0	0	0	0	0	0
dna-binding protein inhibitor id-2	8	0	0	0	0	0	0	0
dual specificity phosphatase 1	8	0	0	0	0	0	0	0
enoyl coenzyme a hydratase peroxisomal	8	0	0	0	0	0	0	0
ethylmalonic encephalopathy 1	8	0	0	0	0	0	0	0
eukaryotic translation initiation factor 2 subunit 3	8	0	0	0	0	0	0	0
eukaryotic translation initiation factor 3 subunit c	8	0	0	0	0	0	0	0
eukaryotic translation initiation factor 3 subunit d-like	8	0	0	0	0	0	0	0
eukaryotic translation initiation factor 4e	8	0	0	0	0	0	0	0
exocyst complex component 3	8	0	0	0	0	0	0	0
extracellular matrix protein 1	8	0	0	0	0	0	0	0
fatty acid desaturase domain member 6	8	0	0	0	0	0	0	0
fibronectin 1	8	0	0	0	0	0	0	0
gamma-aminobutyric acid receptor-associated 1	8	0	0	0	0	0	0	0
general transcription factor ii-i repeat domain-containing protein 2a	8	0	0	0	0	0	0	0
glycerol kinase	8	0	0	0	0	0	0	0
herpud family member 2	8	0	0	0	0	0	0	0

high affinity immunoglobulin epsilon receptor subunit gamma precursor	8	0	0	0	0	0	0	0
high mobility group-t protein	8	0	0	0	0	0	0	0
histamine n-methyltransferase	8	0	0	0	0	0	0	0
homeodomain interacting protein kinase 3	8	0				0		
hypoxanthine-guanine phosphoribosyltransferase	8	0		0	0	0	0	
immediate early response 3 interacting protein 1	8	0	0	0	0			
insulin-degrading enzyme	8	0	0					
integrin beta-1 precursor	8	0	0	0	0	0	0	
interferon-inducible protein gig2-like	8	0		0		0		0
interferon-related developmental regulator 1	8	0	0	0			0	0
isopenentenyl-diphosphate delta-isomerase 1	8	0		0	0	0		0
krueppel-like factor 6	8	0					0	
line-1 type transposase domain-containing protein 1-like	8	0					0	0
lwamide neuropeptides	8				0			
lysosomal protective protein	8	0		0	0	0	0	0
malignant t cell amplified sequence 1	8	0	0	0	0	0	0	
mimecan precursor	8	0					0	0
mitochondrial ribosomal protein l24	8	0	0	0		0	0	0
mitochondrial ribosomal protein l3	8	0	0	0	0	0	0	
mitochondrial ribosomal protein l54	8	0	0	0		0	0	
mitogen-activated protein kinase 8	8	0	0				0	0
myelin basic	8						0	0
myocyte enhancer factor 2a	8	0						
myomesin 1	8	0						
myomesin 1 isoform 1	8	0		0				
myomesin 2	8	0						
myotrophin	8	0	0				0	0
nadh dehydrogenase 1 alpha subcomplex subunit l3	8	0	0	0		0		0
nedd4 family-interacting protein 1	8	0	0	0			0	0
notochord-related protein	8	0		0			0	
novel protein containing multiple scavenger receptor cysteine-rich domains vertebrate deleted in malignant brain tumors 1	8	0						
novel protein vertebrate interferon-induced protein 44	8	0				0		0
novel ubiquitin-protein ligase	8	0						
nuclear transport factor 2	8	0	0	0	0	0		0
oxoglutarate (alpha-ketoglutarate) dehydrogenase	8	0	0				0	
palmitoyl-protein thioesterase 1 precursor	8	0	0	0	0	0	0	0
parvalbumin	8	0				0	0	0
peptidyl-prolyl cis-trans isomerase	8	0		0		0	0	0
phosphatidylinositol transfer protein beta isoform	8	0		0		0	0	0
phosphatidylinositol-binding clathrin assembly protein	8	0	0					
phosphoribosyl pyrophosphate synthetase-associated protein 1	8	0	0	0	0	0		0
phosphoserine phosphatase	8	0	0	0		0		0
plasminogen	8		0	0	0			0
plectin isoform 1hij	8	0					0	
polo-like kinase 2	8	0		0			0	
polyketide synthase	8	0						
pra1 family protein 3	8	0	0	0			0	0
probable ergosterol biosynthetic protein 28	8	0			0	0	0	0

probable ribosome biogenesis protein rlp24	8	0	0	0	0	0	0	0
programmed cell death 8 (apoptosis-inducing factor)	8	0	0	0	0	0	0	0
prohibitin 2	8	0	0	0	0	0	0	0
proteasome (macropain) 26s 6	8	0	0	0	0	0	0	0
proteasome subunit beta type-1-a	8	0	0	0	0	0	0	0
protein bassoon-like	8					0		
protein lin-7 homolog b	8				0	0	0	0
pyruvate dehydrogenase beta	8	0	0				0	0
qil1	8	0	0	0	0	0	0	0
receptor expression-enhancing protein 5	8	0	0	0	0	0	0	
replication protein a 70 kda dna-binding subunit	8	0			0	0	0	0
rho gtpase activating protein 1	8	0		0		0	0	
rho guanine nucleotide exchange factor 5	8			0	0		0	0
ribophorin ii	8	0	0	0		0		0
ribosomal protein l18	8	0	0		0	0	0	0
ribosomal protein l19	8	0	0	0		0	0	0
ribosomal protein l23	8	0	0	0	0	0		0
ribosomal protein l23a	8	0	0	0	0	0	0	
ribosomal protein l27	8	0	0	0	0	0	0	
ribosomal protein s10	8	0	0	0	0	0	0	0
ribosomal protein s16	8	0	0	0	0	0	0	0
ribosomal protein s27a	8	0	0	0	0	0	0	
ribosomal protein s8	8	0	0	0	0	0	0	
rna-binding protein pno1	8	0	0	0		0	0	0
rna-directed dna polymerase from mobile element jockey-like	8	0	0		0	0	0	
s-adenosylhomocysteine hydrolase-like 1	8	0				0	0	0
serine threonine-protein kinase 6	8	0	0		0			
serpin peptidase clade a (alpha-1 antitrypsin) member 10	8	0	0	0		0		0
sine oculis-binding protein homolog	8	0		0	0		0	
solute carrier family member 4	8	0	0	0			0	
sparc precursor	8	0	0	0		0	0	0
splicing arginine serine-rich 3	8	0	0	0	0	0	0	
splicing factor 3b subunit 5	8	0	0	0	0	0	0	0
subfamily member 11	8	0	0	0			0	0
succinyl- ligase	8		0	0	0		0	0
synaptopodin 2	8	0						
tax1-binding protein 1 homolog	8	0		0	0	0	0	0
thrombospondin 2	8	0						
thymidylate kinase	8	0	0	0		0		0
thyroid hormone receptor associated protein 3	8	0	0				0	
tpa: endonuclease-reverse transcriptase	8	0						
transcription factor iiiia	8			0	0			
transducer of 1	8	0	0	0	0			
transforming acidic coiled coil 2	8	0					0	
translocon-associated protein subunit gamma	8	0	0	0	0	0	0	
transmembrane 4 l6 family member 4	8	0	0	0	0	0		
transmembrane 9 superfamily member 3	8	0	0	0			0	0
transmembrane protein 106b	8	0	0	0	0		0	
tubulin-specific chaperone d	8	0			0	0	0	0
ubiquinol-cytochrome c rieske iron-sulfur polypeptide 1	8	0	0	0		0	0	
ubiquitin carboxyl-terminal hydrolase 7-like	8		0				0	0
ubiquitin conjugation factor e4 b	8	0	0	0	0	0	0	0
ubiquitin protein ligase e3 component n-recognin 7	8	0		0	0	0		0

upf0608 protein c19orf42-like	8	0	0	0	0	0	0	0
urate oxidase	8		0	0	0			
vacuolar protein sorting-associated protein 29	8	0	0	0	0	0	0	0
viral a-type inclusion protein	8	0			0			
vitronectin	8		0	0				
von hippel-lindau binding protein 1	8	0	0		0	0	0	0
whey acidic protein precursor	8	0	0	0		0	0	0
zgc:162565 protein	8						0	0
zgc:171445 protein	8	0	0	0				
zgc:174680 protein	8	0		0		0	0	
zinc binding alcohol domain containing 2	8	0	0	0		0		0
zinc finger mym-type protein 1	8	0		0			0	
zpax protein	8				0			
28s ribosomal protein mitochondrial-like	7		0		0			0
40s ribosomal protein s2	7		0		0		0	0
60s ribosomal protein l27a	7	0		0	0	0	0	0
60s ribosomal protein l9	7	0	0	0	0		0	
abhydrolase domain containing 12	7	0	0			0	0	0
acetyl- mitochondrial precursor	7	0	0	0	0	0		
acetylserotonin o-methyltransferase-like	7	0	0	0				
adp-ribosylation factor 5	7	0	0	0				
aldehyde dehydrogenase 4 member a1	7	0	0		0			0
alpha-2-macroglobulin	7		0		0			0
aminoacylase 1	7	0	0		0	0		0
amyloid beta a4 protein	7	0		0		0	0	
ankyrin family a (rfxank-like) 2	7	0				0	0	
ankyrin repeat domain 13c	7	0	0	0		0		
ankyrin repeat domain-containing protein 13c	7							0
ap-2 complex subunit mu-1	7	0		0		0	0	0
apoptosis-associated tyrosine kinase	7	0				0	0	
arrestin domain containing 3	7	0					0	
ash1 (or homeotic)-like	7	0					0	
aspartate cytoplasmic	7	0	0			0		0
aspartyl-trna synthetase	7	0	0	0			0	
atp h+ mitochondrial f1 beta polypeptide	7	0	0	0		0	0	
atpase h+ transporting v1 subunit g isoform 1	7		0	0			0	0
atp-binding sub-family a member 1	7	0	0			0	0	
atp-dependent clp protease atp-binding subunit	7	0	0				0	0
clpx- mitochondrial-like	7	0	0				0	0
beta-galactoside-binding lectin	7	0	0	0		0		0
bystin-like	7	0	0		0	0	0	
c10orf104 homolog	7	0	0	0		0	0	0
c12orf31 homolog	7	0	0	0	0	0	0	0
c1orf74 homolog	7	0	0	0	0	0	0	
c-1-tetrahydrofolate cytoplasmic	7		0		0			
calcitonin gene-related peptide-receptor component protein	7	0		0		0	0	0
capping protein (actin filament) muscle z-alpha 2	7	0	0	0				0
cathepsin a	7	0	0	0	0	0		
c-c motif chemokine 25 precursor	7	0	0	0	0	0		0
cdp-diacylglycerol--serine o-phosphatidyltransferase	7	0	0			0	0	0
cell cycle associated protein 1	7	0	0			0	0	0
cell division control protein 42 homolog precursor	7	0	0	0			0	0
cell division cycle protein 20 homolog	7		0		0			
cellular apoptosis susceptibility protein	7	0	0					
cellular repressor of e1a-stimulated genes 2	7	0	0	0	0	0	0	0
claudin-like protein zf-a89	7				0			

cmp-sialic acid transporter	7	0	0	0	0			
coagulation factor ii precursor	7				0			
coiled-coil domain-containing protein 72	7	0		0	0	0	0	0
cold shock domain-containing protein e1	7	0	0	0			0	
collagen alpha-1 chain	7	0	0				0	
collagen type i alpha 1	7	0	0	0			0	
complement c5	7		0	0	0			
cop9 constitutive photomorphogenic homolog subunit 8	7	0	0	0		0		0
cop9 signalosome complex subunit 5	7	0	0	0		0		0
CR1-3 [Lycodichthys dearborni]	7		0		0		0	
creb atf bzip transcription factor	7	0	0	0		0		
crystallin j1a	7	0	0	0	0			0
cysteine and glycine-rich protein 1	7	0		0		0		0
cytochrome c oxidase copper chaperone	7	0	0		0	0		0
cytochrome p450	7	0	0		0			
cytochrome p450 1a	7	0			0			
developmentally regulated gtp binding protein 1	7	0	0	0	0	0		0
dihydrolipoamide s-succinyltransferase (e2 component of 2-oxo-glutarate complex)	7	0	0	0				0
dmx-like 2	7						0	0
dystonin	7	0				0	0	0
egg membrane protein	7			0	0			
elongation factor-1 alpha	7							0
enolase 1 isoform b	7				0			0
enolase alpha non-neuron	7	0	0				0	0
epidermis-type lipoxygenase 3-like	7				0			
es1 protein mitochondrial	7	0		0		0		0
eukaryotic translation initiation factor 3 subunit e	7	0	0	0		0		0
eukaryotic translation initiation factor 3 subunit m	7	0	0	0		0		0
eukaryotic translation initiation factor x-chromosomal	7	0	0	0	0	0		0
extended synaptotagmin-1	7	0					0	0
extracellular superoxide dismutase	7	0			0	0		
f-box only protein 2	7							0
filamin a interacting protein 1	7	0						
fk506-binding protein 11 precursor	7	0	0	0		0		0
fk506-binding protein 2 precursor	7	0	0	0	0	0		0
flotillin 1	7	0	0	0				0
fun14 domain containing 1	7	0		0		0		0
gaba receptor-associated 2	7	0	0	0		0		0
gap junction protein	7		0	0				
general transcription factor ii-i repeat domain-containing protein 2	7	0	0					
glioma tumor suppressor candidate region gene 2	7			0	0			
glutamate	7		0		0	0	0	0
glutaredoxin 3	7	0	0	0		0		0
glutathione peroxidase 3	7	0	0	0		0	0	0
glycoprotein m6b	7	0				0	0	0
guanine nucleotide-binding 3	7	0	0		0			0
guanylate kinase	7	0		0	0	0		0
harbinger transposase derived 1	7	0						
heat shock protein hsp 90-alpha	7	0				0	0	0
helentron 4 helitron-like transposon replicase	7						0	
helicase endonuclease partial	7							
high choriolytic enzyme 2-like	7				0			

high density lipoprotein binding protein	7	0	0	0				
histone h2a	7	0		0	0			
histone h2b	7	0		0		0	0	
immunoglobulin light chain	7	0						0
importin 7	7	0	0	0		0		
kelch domain containing 1	7	0	0	0				
kinesin family member 1b	7	0				0	0	
lactate dehydrogenase b	7					0	0	0
lactoylglutathione lyase	7	0			0	0	0	0
lecithin-cholesterol acyltransferase	7	0	0				0	
leucine rich repeat containing 2	7	0						
leydig cell tumor 10 kda protein homolog	7	0	0	0	0	0		0
lim domains containing 1	7	0	0	0			0	
membrane-associated ring finger 6	7	0	0			0		
metaxin 2	7	0		0			0	0
methylmalonate-semialdehyde dehydrogenase	7	0	0		0	0		
microfibrillar-associated protein 1	7	0	0		0			0
microspherule protein 1	7	0		0	0	0	0	
mitochondrial atp synthase gamma chain	7	0	0	0		0	0	0
mitochondrial import receptor subunit tom5 homolog	7	0	0	0		0	0	0
mitogen-activated protein kinase 3	7	0				0	0	0
mitogen-activated protein-binding protein-interacting protein	7	0	0	0	0	0		0
mx protein	7	0		0	0			
myelin proteolipid protein	7							0
myeloma overexpressed 2	7	0		0		0	0	
myomesin (m-protein) 165kda	7	0						
myst histone acetyltransferase 1	7	0	0	0	0	0		
nadh dehydrogenase 1 alpha subcomplex subunit 4	7	0		0	0	0		0
nadh dehydrogenase subunit 1	7	0	0	0		0	0	0
nadh-cytochrome b5 reductase 3	7		0	0			0	0
nadh-ubiquinone oxidoreductase 75 kda mitochondrial precursor	7	0	0		0	0		
neutral alpha-glucosidase ab-like	7	0	0	0			0	0
nf-kappa-b inhibitor alpha	7	0	0	0		0		0
nhp2-like protein 1	7	0		0	0	0	0	
nicotinamide nucleotide transhydrogenase	7	0	0				0	
novel immune type receptor	7	0			0			0
nuclear protein hcc-1	7	0	0	0	0	0		0
nuclease harbi 1	7	0						0
nucleolar protein 120kda	7	0	0			0	0	
orf2	7	0					0	0
pancreatic progenitor cell differentiation and proliferation factor	7	0	0	0		0		0
peroxiredoxin 1	7	0	0	0		0	0	0
phosphatidylinositol 4-kinase alpha	7		0	0			0	
phosphatidylinositol n-acetylglucosaminyltransferase subunit h	7	0	0	0	0			0
phospholipase beta 1 (phosphoinositide-specific)	7	0					0	0
phosphoserine aminotransferase 1	7	0		0		0		0
pol protein	7			0	0		0	0
pre-mrna branch site protein p14	7	0	0	0	0	0	0	0
pre-mrna-processing-splicing factor 8	7	0	0		0	0	0	
pre-mrna-splicing factor 18	7	0	0	0	0	0		
probable atp-dependent rna helicase ddx5-like	7							0
probable dimethyladenosine transferase	7	0	0	0	0	0		0
procollagen c-endopeptidase enhancer	7	0	0	0	0	0		0

proteasome activator complex subunit 3	7	0	0	0				
proteasome subunit alpha type-2	7	0	0	0		0	0	0
proteasome subunit alpha type-6	7	0	0	0		0	0	0
proteasome subunit beta type-3	7	0	0	0	0	0		0
protein bassoon	7					0	0	
protein kinase c and casein kinase substrate in neurons 3	7	0				0		0
protein phosphatase regulatory subunit delta isoform	7	0	0	0		0		
protein tyrosine phosphatase type member 2	7	0	0	0		0		0
protein tyrosine phosphatase-like a domain containing 1	7	0		0	0	0		0
protein yippee-like 5-like	7							0
proteoglycan 4	7	0	0	0	0			
quaking protein	7	0				0	0	
ras-related c3 botulinum toxin substrate 1 (rho small gtp binding protein rac1)	7	0	0	0				0
rho family gtpase 1	7			0		0	0	0
ribosomal p0	7				0			0
ribosomal protein l13	7	0	0	0	0	0		0
ribosome binding protein 1 homolog 180kda	7	0		0		0	0	0
ring finger protein 185	7	0	0	0	0	0		0
rna binding motif protein 24	7	0						
rna binding motif protein 39	7	0	0	0			0	
rna binding motif protein 5	7	0	0	0		0		
rna-binding protein 5	7	0	0	0		0		0
ryanodine receptor 1b	7	0						
saps domain member 2	7	0				0	0	
selenoprotein p precursor	7	0	0		0			0
selenoprotein u	7	0	0	0		0		0
serine threonine-protein phosphatase 4 catalytic subunit	7	0	0	0	0	0		0
s-formylglutathione hydrolase	7	0	0	0			0	0
sh3 domain-binding glutamic acid-rich-like protein	7	0	0			0		0
sh3-domain grb2-like endophilin b2	7	0			0	0		0
sideroflexin 2	7	0	0	0	0	0		0
single stranded dna binding protein 3	7	0				0	0	0
slu7 protein	7	0		0	0		0	0
sodium channel subunit beta-1 precursor	7	0		0		0		0
solute carrier family 6 (neurotransmitter gaba) member 1	7					0	0	
src kinase-associated phosphoprotein 2	7	0			0			
stress-induced-phosphoprotein 1	7	0	0			0		0
sushi domain-containing protein 2-like synaptic 2	7	0	0	0	0	0		
synaptic vesicle glycoprotein 2a	7					0	0	
syntaxin binding protein 1	7					0	0	0
t cell receptor alpha chain	7	0						
t lymphocyte 1 antigen-like protein	7	0				0	0	0
tenascin c	7	0		0				
tetratricopeptide repeat protein 35	7	0	0	0		0	0	0
thioredoxin domain-containing protein 9	7	0	0	0		0		0
toll-like receptor 3	7	0	0	0	0			
trafficking protein particle complex subunit 6b	7	0	0			0	0	0
transcription initiation factor iib	7	0	0	0	0	0		
translocase of outer mitochondrial membrane 20 homolog	7	0	0	0		0		
transmembrane and coiled-coil domains 1	7	0	0	0	0	0		0

transmembrane protein 85	7	0	0	0	0	0	0	0
transmembrane protein 93	7	0		0	0		0	0
tyrosine 3-monooxygenase tryptophan 5-monooxygenase activation epsilon polypeptide	7	0	0	0		0	0	
u2 small nuclear ribonucleoprotein b	7	0		0	0	0	0	0
u3 small nucleolar ribonucleoprotein protein imp4	7	0		0	0		0	
ubiquitin domain-containing protein ubfd1	7	0	0	0	0	0	0	
ubiquitin protein ligase e3a	7	0	0			0		
ubiquitin-conjugating enzyme e2n	7	0		0	0	0	0	
udp-glucose 4-epimerase	7	0	0	0	0			0
ufm1-specific protease 2	7	0	0	0	0	0		
uncharacterized transposon-derived	7		0			0		
upf0472 protein c16orf72 homolog	7	0	0	0	0		0	
upf0585 protein c16orf13 homolog	7	0				0	0	0
vacuolar atpase assembly integral membrane protein vma21	7	0	0	0	0		0	0
vacuolar fusion protein ccz1 homolog	7	0	0	0	0			0
vacuolar protein sorting-associated protein 26a	7	0	0	0	0	0	0	
valosin containing protein	7	0	0	0				0
vascular endothelial growth factor	7	0				0	0	0
von willebrand factor type egf and pentraxin domain-containing protein 1	7				0			
v-type proton atpase subunit brain isoform-like	7							0
weakly inward rectifying potassium channel	7	0				0		
zinc c2h2 type family protein	7	0	0	0		0	0	
zinc finger protein 183	7	0		0	0	0	0	
zinc finger protein 259	7	0	0	0		0	0	0
zinc finger protein 462	7	0			0	0	0	
zinc finger protein 521	7	0				0	0	0
zinc finger protein 706	7	0	0	0		0	0	
zinc finger protein 865	7	0				0	0	
zinc finger rna binding protein	7	0	0	0		0	0	
zinc imprinted 3	7	0						
14-3-3 protein zeta	6	0	0	0		0	0	
17-beta-hydroxysteroid dehydrogenase 14	6	0	0	0				
26s proteasome non-atpase regulatory subunit 10	6	0		0	0		0	
26s proteasome non-atpase regulatory subunit 14	6	0	0	0			0	0
26s proteasome non-atpase regulatory subunit 6	6		0		0		0	0
3 (2) -bisphosphate nucleotidase 1	6	0	0	0	0	0	0	
40s ribosomal protein s14	6		0		0			0
40s ribosomal protein s25	6	0	0	0	0		0	0
60s ribosomal export protein nmd3	6	0	0		0	0		
60s ribosomal protein l14	6	0		0	0	0		0
60s ribosomal protein l31	6	0	0	0		0	0	
actin-binding homolog 2	6	0						
acyl- -binding protein	6		0	0	0		0	0
acyl carrier mitochondrial precursor	6	0	0	0		0	0	0
acyl-coenzyme a short branched chain	6	0	0	0		0	0	0
adaptor-related protein complex mu 1 subunit	6	0	0	0			0	
adaptor-related protein complex sigma 1 subunit	6	0	0	0		0	0	
adducin 3	6	0					0	
adenine phosphoribosyltransferase	6	0		0	0	0	0	

adp-ribosylation factor-like protein 8b	6	0	0	0	0	0	0
adp-sugar pyrophosphatase	6	0	0	0	0	0	
aflatoxin b1 aldehyde reductase member 2	6	0	0	0	0		
ahnak nucleoprotein	6	0		0		0	
ahsg protein	6	0	0	0	0		
aldehyde dehydrogenase family 9 member a1-a	6	0		0	0		0 0
alpha-2 macroglobulin-like protein	6		0	0			
alpha-2-macroglobulin-like 1	6	0	0	0		0	0
alpha-type globin	6	0	0			0	0
ambp protein precursor	6				0		0
apoptosis inhibitor 5	6		0		0		0
aquaporin 1	6	0				0	0
arf-gap with sh3 ank repeat and ph domain-containing protein 1	6	0				0	0 0 0
asparaginyl-trna cytoplasmic	6	0	0	0			0
ataxin-7-like protein 3	6			0	0	0	0 0
autophagy-related protein 101	6	0	0	0		0	0
b-cell cll lymphoma 7b	6	0		0		0	0 0
bet1 homolog	6	0	0	0		0	0
bifunctional aminoacyl-trna synthetase	6	0	0			0	0
bifunctional purine biosynthesis protein purh	6		0		0	0	0
brix domain-containing protein 1	6	0	0	0	0	0	0
bromodomain containing 2	6	0	0	0		0	0
bsd domain containing 1	6	0	0	0			0
butyrophilin-like 3	6	0					
c12orf62 homolog	6	0	0	0		0	0 0
calcineurin subunit b type 1	6	0				0	0
calcium and integrin-binding protein 1	6	0	0	0		0	0
calretinin	6					0	0 0
camp responsive element binding protein 1	6	0		0			0
canopy 2 homolog	6	0	0	0		0	
carbonic anhydrase	6	0	0			0	0 0
carboxyl ester lipase	6	0	0		0		
carboxymethylenebutenolidase homolog	6	0	0	0		0	
carboxy-terminal domain rna polymerase ii polypeptide a small phosphatase 1	6	0		0			0
carnitine palmitoyltransferase 1a	6	0	0				0
casein kinase alpha 1	6	0	0				0
cd63-like protein	6	0					
cdgsh iron sulfur domain-containing protein 1	6	0	0	0		0	0
cell division cycle 42 (gtp binding 25kda)	6	0	0			0	0 0
cell division cycle protein 23 homolog	6	0			0		0
cell growth-regulating nucleolar protein	6	0		0	0	0	0
centromere kinetochore protein zw10 homolog	6	0	0	0	0		0
charged multivesicular body protein 5	6	0	0	0	0	0	
chloride intracellular channel 4	6	0				0	0
chromosome 19 open reading frame 10	6	0		0			
chromosome 20 open reading frame 30	6	0	0	0		0	0 0
chromosome 7 open reading frame 59	6	0	0	0		0	0 0
chromosome 8 open reading frame 40	6	0	0	0		0	0
cl012 protein	6	0				0	0
coagulation factor x	6	0	0		0	0	
coatmer subunit alpha	6		0	0		0	0 0
coiled-coil domain-containing protein 124	6	0	0	0		0	0 0
complement factor i	6		0	0	0		
connector enhancer of kinase suppressor of ras 2	6					0	0
coxsackie virus and adenovirus receptor	6	0		0			

cullin 3	6	0	0	0	0	0	0	0
cxxc finger 5	6	0	0	0	0	0	0	0
cypher zasp splice variant 3 alpha	6	0						
cystathionine beta-synthase	6	0	0	0			0	0
cysteine-rich protein 1	6	0		0		0	0	
cytochrome b5	6	0	0	0			0	
cytochrome b-c1 complex subunit 9	6	0	0	0	0	0	0	
cytochrome c oxidase polypeptide mitochondrial precursor	6	0	0			0	0	
cytochrome c oxidase subunit iii	6	0	0	0		0	0	0
cytochrome c oxidase subunit vic	6	0	0	0		0	0	0
cytochrome c-1	6	0	0		0		0	0
cytochrome p450 3a	6		0	0		0		
cytoskeleton associated protein 5	6	0					0	
dcn1-like protein 1	6	0	0		0		0	0
dead (asp-glu-ala-asp) box polypeptide 21	6	0	0	0	0			
dead (asp-glu-ala-asp) box polypeptide 27	6		0	0	0		0	
dead (asp-glu-ala-asp) box polypeptide 6	6	0	0			0	0	0
dehydrogenase reductase sdr family member 1	6	0	0			0		0
deoxyribonuclease i	6	0	0		0	0	0	
dermal papilla-derived protein 6 homolog	6	0			0			
diamine acetyltransferase 2	6	0	0	0			0	
dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase mitochondrial	6	0	0				0	
dna-(apurinic or apyrimidinic site) lyase	6	0				0	0	0
dna-directed rna polymerases and iii subunit rpabc2	6	0	0	0		0		0
dolichyl-diphosphooligosaccharide-protein glycosyltransferase	6	0	0	0			0	
double-strand-break repair protein rad21 homolog	6	0	0		0		0	0
down syndrome cell adhesion molecule	6	0				0	0	
dpy30 domain containing 1	6	0						
dynactin subunit 2	6	0	0	0	0			0
dynamamin 2	6	0		0			0	0
ectonucleotide pyrophosphatase phosphodiesterase 2	6		0	0	0		0	0
elongation factor 1-beta	6	0	0	0	0	0		
elongation of very long chain fatty acids protein 1	6	0	0	0	0			0
endoplasmic precursor	6		0	0	0	0		0
endou protein	6	0		0		0		
enoyl- mitochondrial precursor	6	0	0		0	0		0
es1 protein mitochondrial-like	6		0		0			
eukaryotic translation elongation factor 2	6	0			0	0	0	0
eukaryotic translation initiation factor 1b	6	0	0	0		0		0
eukaryotic translation initiation factor 3 subunit 3	6		0	0		0	0	0
eukaryotic translation initiation factor 3 subunit a	6	0		0	0		0	
eukaryotic translation initiation factor 3 subunit b	6	0	0	0		0		0
eukaryotic translation initiation factor 3 subunit d	6	0	0	0		0	0	
eukaryotic translation initiation factor 4e type 3	6	0	0	0		0		
eukaryotic translation initiation factor 5a	6	0	0	0				0
fact complex subunit ssrp1	6		0		0	0	0	0
fam32a-like	6	0	0	0		0		0

fbxo11 protein	6	0	0	0	0	0	0	0
fintrim family protein	6	0		0		0		0
flavin containing monooxygenase 5	6	0	0	0				
four and a half lim domains 2	6	0						
g patch domain-containing protein 8	6	0		0		0	0	0
g protein pathway suppressor 1	6		0		0	0		
g2 m phase-specific e3 ubiquitin-protein ligase	6	0				0		
galectin-3-binding protein precursor	6	0		0	0		0	0
gamma-aminobutyric acid receptor subunit alpha-1-like	6						0	0
gf20795	6	0				0		0
glioblastoma amplified sequence	6	0	0					0
glutamate ampa 2a	6						0	0
glutamate dehydrogenase	6	0	0	0				0
glutathione s-transferase mu 3	6	0	0	0		0	0	0
glutathione transferase omega-1	6	0	0	0		0		0
growth arrest and dna-damage-inducible protein gadd45 beta	6		0		0			
gtp binding protein 4	6	0	0	0				
gtp-binding nuclear protein ran	6				0	0		0
guanidinoacetate n-methyltransferase	6	0	0	0	0	0	0	
h+ lysosomal accessory protein 1	6	0	0			0		0
heat shock factor-binding protein 1	6	0	0	0		0	0	0
heat shock protein 4	6		0	0	0	0		0
heat shock protein 67b2	6	0	0	0		0		0
hepatocyte growth factor-regulated tyrosine kinase substrate	6	0	0		0		0	
hepcidin	6	0	0	0	0	0		
heterogeneous nuclear ribonucleoprotein g	6	0	0		0		0	0
heterogeneous nuclear ribonucleoprotein l-like	6	0					0	0
histidine triad nucleotide binding protein 2	6	0		0	0	0		
histidine triad nucleotide-binding protein 2	6	0	0	0				0
histone deacetylase 1	6	0	0					0
hla-b associated transcript 3	6	0					0	0
host cell factor 1	6	0		0				0
hrc protein	6	0						
hydroxysteroid (17-beta) dehydrogenase 8	6	0	0		0	0		0
immunoglobulin light chain precursor	6	0		0		0	0	
inorganic pyrophosphatase	6	0	0	0		0		0
inositol oxygenase	6		0		0			
insulin receptor substrate 2	6	0	0	0			0	
interleukin 2 gamma (severe combined immunodeficiency)	6	0						
isocitrate dehydrogenase 2 (nadp+) mitochondrial	6	0	0	0			0	0
kda mitochondrial proteolipid-like	6	0	0	0	0	0		
keratinocyte associated protein 2	6	0	0	0		0	0	0
latexin	6	0	0	0	0	0		
linker histone h1m	6				0			
loc559122 protein	6				0			
macrophage migration inhibitory factor	6	0	0	0		0	0	0
mannan-binding lectin serine protease 1	6	0	0	0				0
mannose c type 1	6	0		0				
map microtubule affinity-regulating kinase 3-like	6		0		0	0		0
melanoma cell adhesion molecule	6	0						
methionine aminopeptidase 2	6						0	0
mge81154 protein	6	0		0				0

microtubule associated calponin and lim domain containing 3	6	0	0			0	0	
mitochondrial carrier homolog 2	6	0	0	0				0
mitochondrial elongation factor g	6	0	0				0	
mitochondrial import inner membrane translocase subunit tim13	6	0	0	0		0		
mitochondrial import inner membrane translocase subunit tim17-a	6	0	0	0		0		0
mitochondrial import inner membrane translocase subunit tim9	6	0	0	0		0	0	0
mitochondrial import receptor subunit tom7 homolog	6	0	0	0		0	0	0
mitochondrial leucine-rich ppr motif-containing protein	6	0					0	0
mitochondrial ribosomal protein l15	6	0	0	0		0		0
mitochondrial ribosomal protein l19	6	0	0	0		0		
mitochondrial ribosomal protein s18a	6	0	0	0		0		0
mitochondrial ribosomal protein s7	6	0	0		0	0	0	0
mitogen-activated protein kinase kinase kinase 7	6	0					0	
mlx interacting protein	6	0	0	0				0
motile sperm domain containing 2	6	0	0	0				0
muscle-related coiled-coil protein	6	0						
myomesin- partial	6	0						
myotubularin related protein 4	6		0				0	
na-k-cl cotransporter	6				0			0
nck-associated protein 1	6	0	0					0
neighbor of cox4	6	0	0	0				
neuron navigator 1	6	0				0	0	0
nipped-b homolog	6	0	0			0		
nktr protein	6	0		0			0	0
n-myristoyltransferase 1	6	0	0	0			0	0
novel gene	6	0						
novel protein vertebrate complement component 3	6		0	0	0			
novel protein vertebrate muscle derived protein	6	0						
novel protein vertebrate pleckstrin homology-like family member 1	6	0					0	
novel protein vertebrate stabilin family	6							0
n-terminal acetyltransferase complex ard1 subunit homolog a	6	0	0	0	0	0		0
nuclear autoantigenic sperm protein	6				0			
nuclear factor 1 x-type	6	0		0			0	
nucleosome assembly protein 1-like 1	6	0	0	0	0	0		
ocia domain-containing protein 1	6	0	0	0	0	0		0
orm1-like protein 2	6	0		0	0	0		0
peptide methionine sulfoxide reductase	6	0	0	0		0		0
peptidyl arginine type iv	6	0						
peptidylprolyl isomerase like	6	0	0			0		0
peptidylprolyl isomerase -like 4	6	0	0		0	0		
peripheral myelin protein 22	6	0	0	0				
peroxisomal membrane protein 22kda	6	0	0	0		0		
phenylalanyl-trna synthetase alpha chain	6	0	0	0				0
phosducin-like protein	6	0		0		0		0
phosducin-like protein 3	6	0	0	0		0		0
phosphate carrier mitochondrial precursor	6	0	0	0		0		
phosphatidic acid phosphatase type 2b	6	0					0	0
phosphatidic acid phosphatase type 2c	6	0				0		0
phosphoglycerate kinase 1	6	0	0		0			0

phospholipase a-2-activating protein	6	0				0		0
phospholysine phosphohistidine inorganic pyrophosphate phosphatase	6	0				0		0
phosphopantothenoylcysteine decarboxylase	6	0		0		0		0
pleiotropic factor-alpha-2 precursor	6					0	0	0
plexin b2	6	0	0				0	
poly -binding-splicing factor puf60	6		0	0		0		0
polyprotein [Atlantic salmon swim bladder sarcoma virus]	6	0				0		0
ppe family protein	6			0	0			0
prefoldin subunit 2	6	0	0	0			0	0
prefoldin subunit 5	6	0	0	0	0	0		0
prefoldin subunit 6	6	0		0		0	0	0
probable carboxypeptidase pm20d1 precursor	6	0	0			0		0
probable protein brick1	6	0	0	0	0	0		0
programmed cell death protein 5	6	0		0	0	0	0	0
prohibitin	6	0	0		0			0
proteasome (macropain) 26s non- 13	6	0	0	0		0		0
proteasome (macropain) 26s non- 2	6	0	0			0		0
proteasome assembly chaperone 4-like	6	0	0	0	0	0		
proteasome subunit alpha type-5	6	0	0	0		0		0
proteasome subunit beta type-4 precursor	6	0	0	0		0		0
proteasome subunit beta type-5 precursor	6	0	0			0		0
protein bud31 homolog	6	0	0	0	0	0		0
protein ccsmt1	6	0	0	0		0		0
protein fam168a-like	6	0				0	0	0
protein isoform 2	6	0		0		0		0
protein kinase c and casein kinase substrate in neurons 2	6	0	0					0
protein kinase c inhibitor aswz variant 5	6	0	0	0		0	0	0
protein kinase c substrate 80k-h	6	0		0		0		0
protein phosphatase 1 regulatory subunit 3a	6	0						
protein-cysteine n-palmitoyltransferase hhat-like protein	6	0						0
protocadherin beta-16-like	6						0	
pyruvate dehydrogenase isoenzyme 2	6	0	0				0	0
rab-like protein 3	6	0	0	0		0		0
ral guanine nucleotide dissociation stimulator-like 1	6	0						0
ras-related protein rab-6b	6	0				0	0	0
rcg47273-like	6	0	0	0		0	0	0
regulator of microtubule dynamics protein 1	6	0	0	0		0		
related ras viral (r-ras) oncogene homolog 2	6	0		0		0	0	0
repressor of rna polymerase iii transcription maf1 homolog	6	0	0	0				0
response gene to complement 32 protein	6	0		0				0
retinol dehydrogenase 12	6	0		0	0	0		0
retinol dehydrogenase 3	6		0		0			0
rho gtpase-activating protein 32	6						0	
ribonucleoside-diphosphate reductase large subunit	6	0	0		0	0		
ribosomal protein l11	6	0	0	0		0		0
ribosomal protein l15	6	0	0	0		0		0
ribosomal protein l22	6	0	0	0		0		0
ribosomal protein l35a	6	0	0	0	0	0		0
ribosomal protein l7-like 1	6	0	0	0	0	0		0
ribosomal protein s17	6	0	0	0		0		0
ribosomal protein sa	6	0	0	0		0	0	0
ribulose-phosphate 3-epimerase	6	0	0	0		0		0
ring finger 1	6	0					0	0

ring finger protein 10	6	0	0	0				
ring-box protein 1	6	0	0	0	0	0	0	
rna binding motif protein 25	6	0	0	0		0	0	0
rna binding motif protein 38	6	0						
rna binding protein with multiple splicing 2	6	0		0		0	0	0
rna polymerase ii subunit a c-terminal domain	6	0	0			0	0	0
phosphatase ssu72	6							
run and fyve domain containing 3	6					0	0	0
sarcolemma associated protein	6	0					0	0
sec14-like 1 (cerevisiae)	6	0	0		0			
secretagoin	6	0			0	0	0	0
selenoprotein 1	6	0	0	0		0	0	
selenoprotein 2a	6	0	0	0			0	0
senescence-associated protein	6		0	0		0	0	
serine hydrolase-like 2	6	0	0	0				0
serine threonine-protein kinase pim-2-like	6		0		0		0	
short coiled-coil protein	6	0			0		0	0
signal peptidase complex catalytic subunit	6	0	0	0		0	0	0
sec11a	6							
signal peptide peptidase-like 2a	6	0		0		0		
signal recognition particle receptor subunit	6	0	0	0	0	0		
beta	6							
small acidic protein	6	0	0		0	0		0
small nuclear ribonucleoprotein polypeptide a	6	0	0	0		0	0	
solute carrier family 43 member 3	6	0	0	0				
spartin	6		0	0	0		0	
splicing factor 3a subunit 3	6	0			0			0
split hand foot malformation type 1	6	0	0	0		0	0	0
sra stem-loop-interacting rna-binding	6	0	0	0		0	0	0
mitochondrial precursor	6							
srp72 protein	6	0	0	0	0	0		
sterol carrier protein 2	6	0	0			0	0	
sterol-c4-methyl oxidase-like	6	0	0	0	0	0	0	
subfamily member 1	6	0	0	0			0	
subfamily member 12	6	0	0	0				0
subfamily member 4	6	0		0				
t-cell receptor type 1	6	0						
thap domain-containing protein 9	6	0		0		0		
thioredoxin-dependent peroxide mitochondrial	6		0	0	0	0		
precursor	6							
thioredoxin-like 1	6	0	0	0		0	0	
threonyl-trna cytoplasmic	6		0		0			0
trafficking protein particle complex subunit 3	6	0	0	0		0	0	0
trans- -dihydrobenzene- -diol dehydrogenase	6	0			0	0		
transcobalamin-2 precursor	6		0		0		0	0
transcription elongation factor 1 homolog	6	0				0	0	
transcription elongation factor a 1	6	0	0	0		0	0	
transcription elongation factor b polypeptide 1	6	0	0	0		0	0	0
transcription initiation factor tffid subunit 11	6	0	0	0	0	0		
transforming protein precursor	6	0	0	0			0	0
transketolase	6		0		0	0	0	0
translocase of outer mitochondrial membrane	6	0	0			0	0	0
70 homolog a	6							
translocation protein sec63 homolog	6	0	0	0			0	
translocator protein	6	0	0	0	0	0		0
transmembrane emp24 domain-containing	6	0	0	0				
protein 9 precursor	6							
transmembrane protein 14c	6	0	0			0	0	0
transmembrane protein 35	6				0	0	0	0

transmembrane protein 87b	6	0	0	0		0		
triadin	6	0						
trna selenocysteine 1-associated protein 1	6	0	0	0		0	0	
tubulin beta-2b chain-like	6	0					0	0
tubulin-specific chaperone a	6	0		0	0	0		
u6 snrna-associated sm-like protein lsm5	6	0	0	0		0	0	0
ubiquinol-cytochrome c reductase core protein i	6	0	0	0			0	
ubiquitin carboxyl-terminal hydrolase 15	6	0	0	0	0	0		0
ubiquitin-associated protein 2	6	0	0			0	0	
ubiquitin-conjugating enzyme e2r 2	6	0	0	0				
ubiquitin-fold modifier 1	6	0	0	0		0	0	0
up-regulated during skeletal muscle growth protein 5-like	6	0		0		0		0
vacuolar protein sorting-associated protein 41 homolog	6	0	0		0	0		0
vacuolar proton pump subunit d	6			0			0	0
v-crk sarcoma virus ct10 oncogene homolog -like	6	0		0			0	0
very long-chain acyl- synthetase	6	0	0	0				0
v-ki-ras2 kirsten rat sarcoma viral oncogene homolog	6	0				0		0
voltage-dependent anion channel 1	6	0	0		0			0
voltage-dependent anion channel 3	6	0	0	0				0
voltage-dependent anion-selective channel protein 2	6		0		0			0
wash complex subunit strumpellin	6	0	0				0	0
wd repeat-containing protein 82	6	0	0			0		0
ww domain binding protein 2	6		0	0				0
yip1 domain member 1	6	0	0	0				
yy1 transcription factor	6	0		0		0	0	0
zinc finger and btb domain containing 8 opposite strand	6	0	0			0		0
zinc finger protein 452	6	0				0		0
zinc finger protein 568	6	0						
zinc finger ran-binding domain-containing protein 2	6	0				0	0	
zona pellucida sperm-binding protein 4-like	6				0			
15 kda selenoprotein precursor	5	0	0	0				0
15-hydroxyprostaglandin dehydrogenase	5	0	0	0	0			0
1-phosphatidylinositol-3-phosphate 5-kinase	5	0		0				0
26s protease regulatory subunit 6a	5	0	0	0				0
28s ribosomal protein mitochondrial	5		0		0			0
2-hydroxyacylsphingosine 1-beta-galactosyltransferase	5	0					0	0
39s ribosomal protein mitochondrial-like	5				0			0
3-hydroxyanthranilate -dioxygenase	5		0	0			0	
3-hydroxybutyrate dehydrogenase type 2	5	0	0	0		0		
3-ketoacyl- mitochondrial	5	0	0	0	0			0
3-oxo-5-beta-steroid 4-dehydrogenase	5		0	0				
3-oxoacid transferase 1	5	0						0
3-phosphoinositide dependent protein kinase-1	5	0	0				0	0
40s ribosomal protein s13	5				0			
40s ribosomal protein s15a	5	0	0	0		0		0
40s ribosomal protein s7	5				0			0
4-aminobutyrate aminotransferase	5	0	0	0			0	
5-formyltetrahydrofolate cyclo-ligase	5	0	0	0	0			
6-phosphofructokinasmuscle type	5	0						0
60 kda lysophospholipase	5	0		0				0

60s ribosomal protein l11	5				0			
60s ribosomal protein l30	5	0	0	0		0		0
60s ribosomal protein l36	5	0	0	0		0		
60s ribosomal protein l7a	5	0			0			0
60s ribosome subunit biogenesis protein nip7 homolog	5	0		0	0	0		
6-phosphofructo-2-kinase fructose- biphosphatase 1	5	0	0					
6-pyruvoyl tetrahydrobiopterin synthase	5	0	0			0		
acetoacetyl- synthetase	5		0		0		0	0
actin-related protein 2 3 complex subunit 3	5	0	0	0		0		0
activating transcription factor 4	5	0	0			0	0	0
activator of 90 kda heat shock protein atpase homolog 1	5	0	0		0			0
active bcr-related gene	5	0				0	0	
acyl- dehydrogenase	5	0	0	0		0		
acyl- desaturase	5	0	0				0	0
adenomatosis polyposis coli 2	5					0	0	0
adenylosuccinate synthetase isozyme 2	5		0	0	0			0
alanine--glyoxylate aminotransferase 2-like 1	5		0	0				
alcohol dehydrogenase	5		0	0	0			0
aldehyde dehydrogenase 2 family alpha isoform cra_b	5	0	0	0		0		0
alpha-enolase	5	0		0			0	0
aminopeptidase-like 1	5	0	0	0	0			
ancient ubiquitous protein 1	5	0	0	0	0			0
angiotensinogen precursor	5		0	0	0			0
ankyrin neuronal	5	0				0	0	
ankyrin repeat domain 11	5	0				0		
annexin a1	5	0		0		0		0
annexin a2	5	0		0		0		0
antizyme inhibitor 1	5	0	0			0		
apolipoprotein b-100	5		0			0		
apoptosis-related protein 3 precursor	5	0	0	0			0	
arsa arsenite atp- homolog 1	5	0	0	0				0
arsenite methyltransferase	5	0	0		0	0		
asparagine-linked glycosylation 9 homolog (alpha- -mannosyltransferase)	5	0	0	0		0		
atp gtp binding protein 1	5	0				0	0	
atp synthase subunit mitochondrial-like	5							0
atp-binding cassette sub-family e member 1	5			0				0
atp-binding sub-family e member 1	5	0	0	0				
atp-dependent rna helicase ddx1	5				0	0		0
b chain reactivity modulation of human branched-chain alpha- ketoacid dehydrogenase by an internal molecular switch	5	0		0			0	0
bactericidal permeability-increasing protein	5	0		0			0	
baculoviral iap repeat-containing 2	5		0	0	0			0
barrier-to-autointegration factor	5	0	0			0	0	
basic leucine zipper and w2 domain-containing protein 1-like	5				0			0
bc003940 protein	5	0		0		0	0	0
b-cell receptor-associated protein 29	5	0	0					
b-cell translocation gene 4	5	0			0			
b-cell translocation gene anti-proliferative	5	0				0	0	
beta lysosomal-like	5	0		0		0	0	0
beta-galactosidase-1-like protein 2-like	5							0
beta-microseminoprotein	5				0			
beta-sarcoglycan	5	0	0	0		0		
brain protein 44	5	0	0	0			0	0

brain protein 44-like protein	5	0	0	0	0	0	0
breast carcinoma amplified sequence 2	5	0	0	0	0	0	0
btb domain containing 1	5	0	0	0			0
c15orf24 homolog precursor	5	0	0	0	0	0	0
c19orf60 homolog	5	0	0	0	0	0	
calponin acidic	5	0	0		0	0	
camp-regulated phosphoprotein 19	5	0		0	0	0	0
carboxypeptidase d	5	0		0			0
carboxy-terminal domain rna polymerase ii polypeptide a small phosphatase 2	5	0	0	0			
carnitine o-palmitoyltransferase liver isoform	5	0	0			0	
cartilage acidic protein 2	5	0			0	0	
casein kinase alpha 1 polypeptide	5	0	0			0	0
casein kinase beta polypeptide	5	0	0	0		0	0
cathepsin c	5	0		0	0		
caveolin 2	5	0	0				
caytaxin	5	0					0
ccr4-not transcription subunit 6-like	5	0	0				
cd209 antigen-like protein a	5	0	0	0			
cd300 molecule-like family member d-like	5	0					0
cdna sequence bc003266	5	0		0	0	0	0
charged multivesicular body protein 2a	5	0	0	0			0
chk1 checkpoint-like protein	5		0	0		0	0
choline kinase isoform cra_b	5	0			0		0
choline transporter-like protein 2	5	0	0		0		
chromosome 12 open reading frame 51	5	0				0	
chromosome 16 open reading frame 57	5	0	0	0			
chromosome 2 open reading frame 7	5	0	0	0		0	
chromosome 9 open reading frame 78	5	0	0	0		0	
chromosome 9 open reading frame 85	5	0		0		0	0
claudin 19	5	0		0		0	0
cleft lip and palate associated transmembrane protein 1	5		0			0	0
coagulation factor ix	5		0	0			
coatomer protein subunit beta 2 (beta prime)	5	0	0	0		0	
coenzyme q4 homolog	5	0	0			0	
coiled-coil domain-containing protein 115	5	0		0	0	0	
coiled-coil-helix-coiled-coil-helix domain containing 5	5	0	0			0	0
comm domain-containing protein 9	5	0		0		0	0
complement c4-like	5				0		
cop9 constitutive photomorphogenic homolog subunit 2	5	0		0		0	0
c-src tyrosine kinase	5	0		0			
c-type lectin	5	0	0				0
cug triplet rna binding protein 2	5	0	0				0
cullin 4b	5	0	0	0			
cwc15 homolog	5		0		0		0
cxxc finger 1 (phd domain)	5		0		0	0	0
cyclin a2	5	0			0		
cyclin b2	5	0			0		
cyclophilin a	5		0	0		0	
cystathionine gamma-lyase	5	0	0	0			0
cystatin-b	5	0	0			0	0
cytidine deaminase	5	0	0	0			
cytochrome b-c1 complex subunit 7	5	0	0			0	0
cytochrome b-c1 complex subunit 8	5	0	0			0	0
cytochrome c oxidase subunit ii	5		0	0		0	0
cytochrome c subunit viic-like	5	0	0	0		0	0
cytochrome p450 cyp2n	5		0	0			

cytosolic sulfotransferase 3	5	0	0	0	0			
dci protein	5	0	0	0	0			
den1-like protein 5	5	0	0		0	0		
ddb1- and cul4-associated factor 13	5	0	0	0			0	0
death-associated protein 1	5		0	0	0		0	0
defender against cell death 1	5	0	0	0		0	0	
dehydrogenase reductase sdr family member 13 precursor	5	0	0	0				
delta and notch-like epidermal growth factor-related receptor-like	5							0
density-regulated protein	5	0		0		0	0	
deoxyribonuclease gamma precursor	5	0	0		0			
dihydrofolate reductase	5		0	0		0		
dihydrolipoamide branched chain transacylase e2	5	0	0					0
dimethylglycine dehydrogenase	5		0	0				
dipeptidyl-peptidase 9	5	0	0	0				
dmx-like 1	5	0					0	
dna photolyase	5	0	0			0	0	
dna polymerase alpha subunit	5	0	0	0		0		
dna replication licensing factor mcm4	5	0			0			
dna-directed rna polymerases and iii subunit rpabc4-like	5	0		0		0	0	0
dolichol phosphate-mannose biosynthesis regulatory protein	5	0	0	0			0	
dymeclin	5	0					0	0
dynactin subunit 3	5	0	0	0			0	
e3 ubiquitin-protein ligase trim21-like	5						0	0
e3 ubiquitin-protein ligase ubr5	5	0	0					
early growth response 1	5	0			0		0	
ectonucleoside triphosphate diphosphohydrolase 4	5	0	0	0				0
electron-transfer- beta polypeptide	5	0	0	0				0
enhancer of yellow 2 transcription factor homolog	5	0				0	0	
enolase 3-2	5	0	0	0		0		
enolase-phosphatase e1	5	0	0	0				
epithelial membrane protein 2	5	0	0			0		
estradiol 17-beta-dehydrogenase 12-b	5		0	0				0
eukaryotic initiation factor 4a-iii	5	0	0		0			
eukaryotic translation initiation factor 2 subunit 3-like	5				0			0
eukaryotic translation initiation factor 3 subunit h	5	0		0	0			
eukaryotic translation initiation factor 4e binding protein 1	5	0	0	0		0	0	
eukaryotic translation initiation factor subunit 4 67kda	5	0	0	0				
eukaryotic translation initiation factor subunit 5 47kda	5	0	0	0	0	0		
exocyst complex component 6b	5	0					0	
exosome complex exonuclease rrp4	5	0			0	0		
exosome complex exonuclease rrp42	5	0			0	0	0	
exported repetitive protein	5				0		0	
extracellular matrix protein 1-like	5		0		0			0
far upstream element binding protein 1	5	0					0	
fasciculation and elongation protein zeta-1	5					0	0	0
fatty acid synthase	5		0					
fatty acyl- reductase 1	5	0					0	0
fatty aldehyde dehydrogenase	5	0	0	0				

f-box only protein 31	5		0				0	0
f-box protein 9	5	0	0	0		0	0	
fbp32ii precursor	5	0		0		0	0	
fgfr1 oncogene partner	5				0			
fibrinogen gamma isoform cra_a	5		0		0		0	
fibroblast growth factor intracellular binding protein	5	0		0		0	0	0
filamin a-interacting protein 1-like	5	0				0	0	
g patch domain containing 8	5	0	0			0	0	
gamma-enolase-like isoform 2	5							0
gamma-glutamyl hydrolase	5	0	0	0	0	0		
general transcription factor iih subunit 2	5	0				0		0
general transcription factor iih subunit 5	5	0	0	0		0	0	
gethr pentapeptide repeat (5 copies) family	5				0			
glucagon family neuropeptides precursor	5					0		0
glucocorticoid receptor	5	0				0		0
glutamate metabotropic 3	5					0	0	
glutaminyl-trna synthetase	5	0		0	0			
glutathione peroxidase 1	5	0	0	0		0		0
glutathione peroxidase 4	5	0	0	0	0			
glycerol-3-phosphate dehydrogenase	5	0	0	0				
glycerophosphodiester phosphodiesterase domain containing 1	5		0			0	0	0
glycine dehydrogenase	5	0	0					
glycine receptor subunit beta	5					0		0
glycogenin-1	5			0	0	0	0	
glyoxalase domain-containing protein 4	5	0	0			0		0
granulins precursor	5	0	0	0		0		
growth factor receptor-bound protein 2	5	0		0				
growth hormone-inducible transmembrane protein	5				0			0
gtp cyclohydrolase 1 feedback regulatory protein	5	0	0	0		0		0
guanine nucleotide binding 2	5	0		0		0	0	
guanine nucleotide binding protein (g protein) q polypeptide	5	0				0	0	
guanine nucleotide-binding protein g subunit alpha-2	5	0	0	0				0
h aca ribonucleoprotein complex subunit 3	5	0	0	0		0	0	
h+ lysosomal v1 subunit a	5	0					0	
haptoglobin [Oreochromis mossambicus]	5				0			
hbs1-like protein	5	0	0	0		0		
heat shock 70kda protein 4	5	0	0			0		
heat shock protein 90 alpha	5				0			0
hect domain containing 1	5	0	0			0	0	
hepatitis b virus x-interacting protein	5	0	0	0		0		0
heterogeneous nuclear ribonucleoprotein r	5	0			0		0	
hig1 domain family member 2a	5	0	0	0		0		0
histidine ammonia-lyase	5		0	0				
histone h2b 1 2-like	5		0				0	0
hmg-box transcription factor 1	5	0	0					
homer homolog 1	5	0						
huntingtin interacting protein k	5	0	0			0	0	0
hydroxypyruvate isomerase	5		0		0			
hypothetical loc729991 protein	5	0	0			0	0	
ictacalcin	5	0		0		0		
immunoglobulin binding protein 1	5	0		0	0			0
inner centromere protein	5	0	0		0	0		
inositol hexaphosphate kinase 2	5	0	0			0		0
inositol-3-phosphate synthase a	5					0		0

insulin induced gene 1	5	0	0	0				
insulin-like growth factor binding protein 2	5		0	0	0			
integrin alpha fg-gap repeat containing 1	5	0	0	0		0		
interferon inducible mx protein	5	0		0	0			
interferon regulatory factor 8	5	0						0
interferon-induced protein 44-like	5							0
interferon-inducible protein gig1-like	5	0		0				
kelch-like ech-associated protein 1	5	0	0	0			0	0
keratin 8	5	0		0	0	0		0
kh domain rna signal transduction associated 1	5	0	0			0	0	0
lag1 ceramide synthase 2	5	0	0				0	
legumain	5	0	0			0		0
leptin receptor gene-related protein	5	0		0		0	0	0
leukocyte immune-type receptor	5	0		0		0		
limbic system-associated membrane protein	5	0				0	0	0
lipopolysaccharide-induced tumor necrosis factor-alpha factor homolog	5	0			0		0	0
lmb1 domain containing 2	5	0	0	0			0	
loc495244 protein	5	0				0		
loc563247 protein	5	0	0	0		0	0	
loc798124 protein	5	0				0		0
low density lipoprotein receptor-related protein associated protein 1	5	0	0	0		0		0
low quality protein: titin-like	5	0						
lsm domain-containing protein 1	5	0	0	0			0	0
lyr motif-containing protein 4	5	0		0	0	0		0
lysophospholipase ii	5	0	0	0			0	
lysosomal-associated protein transmembrane 4 alpha	5	0	0			0	0	0
mago-nashi proliferation-associated	5	0		0		0	0	0
malic enzyme nadp(+)- mitochondrial	5	0	0					
mannose-binding lectin-associated serine protease-3a	5		0	0	0			
mannose-p-dolichol utilization defect 1	5	0	0	0		0	0	
mediator complex subunit 22	5	0	0	0				0
mediator of rna polymerase ii transcription subunit 9	5	0	0	0		0	0	
membrane magnesium transporter 1-like	5				0			0
methylcrotonoyl-coenzyme a carboxylase 2	5	0	0	0		0		
methylmalonic aciduria (cobalamin deficiency) cbld with homocystinuria	5	0	0			0		
mhc class i alpha antigen	5	0		0	0			
microsomal glutathione s-transferase 1	5	0		0	0	0	0	
microtubule-associated protein 1 light chain 3 beta	5		0	0		0	0	0
mitochondrial 28s ribosomal protein s36	5		0	0			0	0
mitochondrial import receptor subunit tom20 homolog	5				0			0
mitochondrial import receptor subunit tom22 homolog	5	0	0		0	0		
mitochondrial ribosomal protein 11	5	0		0	0	0		0
mitochondrial ribosomal protein 110	5	0	0	0	0			
mitochondrial ribosomal protein 112	5	0	0	0		0		0
mitochondrial ribosomal protein 140	5	0		0	0	0		0
mitochondrial ribosomal protein 153	5	0	0			0	0	0
mitochondrial ribosomal protein s15	5	0		0		0	0	0
mitochondrial ribosomal protein s17	5	0	0			0	0	
mitochondrial ribosomal protein s18b	5	0		0		0	0	
mitogen-activated protein kinase 6	5	0	0					0

mitogen-activated protein kinase kinase 1-interacting protein 1	5	0	0	0	0	0	0	0
moesin	5	0		0		0		0
mps one binder kinase activator-like 1a	5	0					0	0
mpv17 protein	5	0	0	0	0			
mrna cap guanine-n7 methyltransferase	5	0	0					0
musashi homolog 1	5	0				0	0	0
myelin-oligodendrocyte glycoprotein precursor	5	0						
myeloid lymphoid or mixed-lineage leukemia (trithorax drosophila) translocated 4	5	0					0	0
myocyte enhancer factor 2d	5	0					0	
myosin light chain kinase member 4	5	0						
myozenin 2	5	0						
n-acylethanolamine-hydrolyzing acid amidase	5	0	0					0
nadh dehydrogenase 1 alpha subcomplex subunit 11	5	0	0	0				0
nadh dehydrogenase 1 alpha subcomplex subunit 5	5		0	0		0	0	0
nadh dehydrogenase 1 alpha subcomplex subunit mitochondrial precursor	5	0	0	0		0	0	
nadh dehydrogenase 1 beta subcomplex subunit 10	5	0	0	0		0		0
nadh dehydrogenase 1 beta subcomplex subunit 4	5	0	0	0		0		
nadh dehydrogenase 1 beta subcomplex subunit 6	5	0	0	0		0		0
nadph--cytochrome p450 reductase	5	0	0	0			0	
n-alpha-acetyltransferase auxiliary subunit	5	0				0		0
nanor b-like	5	0						0
natural killer-tumor recognition sequence	5	0		0				0
nebulin-related anchoring protein isoform 2	5	0						
neuropeptide y	5							0
nidogen 2	5	0						0
noelin precursor	5						0	0
non-specific lipid-transfer protein	5	0	0	0	0	0		
nop58 protein	5	0	0	0		0		0
novel krab box and zinc c2h2 type domain containing protein	5	0				0		
novel protein (zgc:136474)	5	0	0			0		0
novel protein cytochrome family subfamily j	5		0		0			0
novel protein vertebrate piccolo (presynaptic cytomatrix protein)	5						0	0
nuclear autoantigenic sperm protein (histone-binding)	5	0			0			0
nuclear receptor coactivator 6	5	0	0				0	0
nucleolar pre-ribosomal-associated protein 1	5				0			
nucleolar protein 16	5	0	0	0		0		0
nucleolar protein 5a	5	0	0	0		0		
nucleolin	5	0	0					0
nucleoplasmin-like protein no29	5			0	0			0
nucleoside diphosphate kinase	5		0	0		0		0
nucleoside diphosphate kinase 7	5	0				0		
nudix (nucleoside diphosphate linked moiety x)-type motif 3	5	0		0			0	0
orm1-like protein 1	5	0		0	0	0		0
ornithine decarboxylase antizyme	5	0		0	0			0
p2y purinoceptor 12	5	0		0		0		0
peroxiredoxin 1 variant 2	5			0		0		0
peroxiredoxin 4	5	0	0	0		0		0

phosphoglycerate dehydrogenase	5	0	0	0	0	0	0
phosphoglycolate phosphatase	5	0	0	0	0	0	0
phospholipase a1 member a	5	0	0	0	0	0	0
phospholipid transfer protein	5	0	0	0	0	0	0
plasma retinol-binding protein 1	5	0	0	0	0	0	0
pleckstrin homology-like family member 1	5	0	0	0	0	0	0
plexin d1	5	0	0	0	0	0	0
poly(adp-ribose) glycohydrolase	5	0	0	0	0	0	0
polycomb group ring finger protein 1	5	0	0	0	0	0	0
potassium voltage-gated shaker-related member 3	5	0	0	0	0	0	0
prefoldin subunit 4	5	0	0	0	0	0	0
pre-mrna-processing factor 19	5	0	0	0	0	0	0
pre-rrna-processing protein tsr1 homolog	5	0	0	0	0	0	0
probable cation-transporting atpase 13a3-like	5	0	0	0	0	0	0
probable e3 ubiquitin-protein ligase rnf144a-a	5	0	0	0	0	0	0
probable palmitoyltransferase zdhhc6	5	0	0	0	0	0	0
probable thiopurine s-methyltransferase	5	0	0	0	0	0	0
procollagen- 2-oxoglutarate 5-dioxygenase 2	5	0	0	0	0	0	0
programmed death ligand 1	5	0	0	0	0	0	0
proteasome (macropain) 26s 1	5	0	0	0	0	0	0
proteasome (macropain) 26s non- 12	5	0	0	0	0	0	0
proteasome (macropain) 26s non- 3	5	0	0	0	0	0	0
proteasome (macropain) activator subunit 4	5	0	0	0	0	0	0
proteasome (macropain) alpha 1	5	0	0	0	0	0	0
proteasome activator complex subunit 2	5	0	0	0	0	0	0
proteasome assembly chaperone 2	5	0	0	0	0	0	0
proteasome beta type 10	5	0	0	0	0	0	0
proteasome beta type 8	5	0	0	0	0	0	0
proteasome subunit beta type-2	5	0	0	0	0	0	0
protein cwc15 homolog	5	0	0	0	0	0	0
protein disulfide isomerase family member 3	5	0	0	0	0	0	0
protein fam185a-like	5	0	0	0	0	0	0
protein impact	5	0	0	0	0	0	0
protein- interferon-inducible double stranded rna dependent repressor of (p58 repressor)	5	0	0	0	0	0	0
protein kinase c binding protein 1	5	0	0	0	0	0	0
protein kish-a precursor	5	0	0	0	0	0	0
protein lyric	5	0	0	0	0	0	0
protein mab-21-like 1	5	0	0	0	0	0	0
protein phosphatase 1 regulatory subunit 7	5	0	0	0	0	0	0
protein phosphatase methylesterase 1	5	0	0	0	0	0	0
protein piccolo	5	0	0	0	0	0	0
protein regulator of cytokinesis 1	5	0	0	0	0	0	0
protein yif1a	5	0	0	0	0	0	0
protocadherin 1 gamma 22	5	0	0	0	0	0	0
protocadherin 2 alpha b 6	5	0	0	0	0	0	0
protocadherin 9	5	0	0	0	0	0	0
pterin-4-alpha-carbinolamine dehydratase	5	0	0	0	0	0	0
pyrroline-5-carboxylate reductase member 2	5	0	0	0	0	0	0
pyruvate dehydrogenase alpha 1	5	0	0	0	0	0	0
pyruvate dehydrogenase component x	5	0	0	0	0	0	0
rap1 gtpase-gdp dissociation stimulator 1 isoform 1	5	0	0	0	0	0	0
ras gtpase-activating-like protein iqgap1	5	0	0	0	0	0	0
ras-related gtp binding a	5	0	0	0	0	0	0
ras-related protein rab-11b	5	0	0	0	0	0	0
reactive oxygen species modulator 1	5	0	0	0	0	0	0
regulation of nuclear pre-mrna domain containing 2	5	0	0	0	0	0	0

reticulon 4 interacting protein 1	5	0	0	0	0	0	0	0
retrotransposon ty3-gypsy subclass	5	0	0	0	0	0	0	0
riboflavin kinase	5	0	0	0	0	0	0	0
ribonuclease h2 subunit b	5	0	0	0	0	0	0	0
ribonuclease like 2	5	0	0	0	0	0	0	0
ribonuclease uk114	5	0	0	0	0	0	0	0
ribosomal protein l12	5	0	0	0	0	0	0	0
ribosomal protein l21	5	0	0	0	0	0	0	0
ribosomal protein l22-like 1	5	0	0	0	0	0	0	0
ribosomal protein l24	5	0	0	0	0	0	0	0
ribosomal protein l26	5	0	0	0	0	0	0	0
ribosomal protein l28	5	0	0	0	0	0	0	0
ribosomal protein l3	5	0	0	0	0	0	0	0
ribosomal protein l34	5	0	0	0	0	0	0	0
ribosomal protein l38	5	0	0	0	0	0	0	0
ribosomal protein s13	5	0	0	0	0	0	0	0
ribosomal protein s15	5	0	0	0	0	0	0	0
ribosomal protein s18	5	0	0	0	0	0	0	0
ribosomal protein s20	5	0	0	0	0	0	0	0
ribosomal protein s27-like	5	0	0	0	0	0	0	0
ribosomal protein s6	5	0	0	0	0	0	0	0
ribosome biogenesis protein brx1 homolog	5	0	0	0	0	0	0	0
ribosome biogenesis protein nsa2 homolog	5	0	0	0	0	0	0	0
rilp-like protein 1	5	0	0	0	0	0	0	0
ring finger protein 145	5	0	0	0	0	0	0	0
ring finger protein 167	5	0	0	0	0	0	0	0
ring finger protein 213	5	0	0	0	0	0	0	0
ring finger protein 213-like	5	0	0	0	0	0	0	0
ring-box protein 2	5	0	0	0	0	0	0	0
rna-processing protein fcf1 homolog	5	0	0	0	0	0	0	0
rwd domain containing 4a	5	0	0	0	0	0	0	0
ryanodine receptor skeletal muscle	5	0	0	0	0	0	0	0
sec23-interacting protein	5	0	0	0	0	0	0	0
selenoprotein m precursor	5	0	0	0	0	0	0	0
sentrin-specific protease 8	5	0	0	0	0	0	0	0
serglycin precursor	5	0	0	0	0	0	0	0
serine hydroxymethyltransferase 2	5	0	0	0	0	0	0	0
serine threonine kinase 19	5	0	0	0	0	0	0	0
serine threonine kinase receptor associated protein	5	0	0	0	0	0	0	0
serine threonine-protein phosphatase 2a 56 kda regulatory subunit gamma isoform	5	0	0	0	0	0	0	0
serologically defined colon cancer antigen 1 homolog	5	0	0	0	0	0	0	0
serum glucocorticoid regulated kinase 1	5	0	0	0	0	0	0	0
serum paraoxonase arylesterase 2	5	0	0	0	0	0	0	0
sh3 domain and tetratricopeptide repeats 2	5	0	0	0	0	0	0	0
sideroflexin 4	5	0	0	0	0	0	0	0
signal peptidase complex subunit 1	5	0	0	0	0	0	0	0
signal peptide peptidase 3	5	0	0	0	0	0	0	0
signal peptide peptidase-like 2b	5	0	0	0	0	0	0	0
sil1 protein	5	0	0	0	0	0	0	0
sjchgc04881 protein	5	0	0	0	0	0	0	0
slow myosin heavy chain 1	5	0	0	0	0	0	0	0
small g protein signaling modulator 3	5	0	0	0	0	0	0	0
small nuclear ribonucleoprotein polypeptide g	5	0	0	0	0	0	0	0
small nuclear ribonucleoprotein sm d2	5	0	0	0	0	0	0	0
snape5 protein	5	0	0	0	0	0	0	0
sodium- and chloride-dependent taurine transporter	5	0	0	0	0	0	0	0

sodium-coupled neutral amino acid transporter 2	5			0		0	0	0
solute carrier family 25 member 3	5		0			0	0	0
solute carrier family 35 (udp-glucuronic acid udp-n-acetylgalactosamine dual transporter) member d1	5	0	0	0				
solute carrier family 37 (glucose-6-phosphate transporter) member 4	5	0	0	0		0		
solute carrier family member 2	5	0	0		0			
solute carrier family member isoform cra_a	5	0				0	0	
solute carrier family sodium bicarbonate member 7	5	0				0	0	
sorting nexin 12	5	0	0	0		0		0
sorting nexin 5	5	0	0	0		0		
sox3	5				0	0	0	0
spermine oxidase	5			0			0	0
splicing arginine serine-rich 5	5		0				0	0
sterile alpha motif domain-containing protein 9-like	5	0		0				0
structural maintenance of chromosomes protein 1a	5	0	0	0			0	
subfamily member 13	5	0	0	0				
succinate dehydrogenase cytochrome b560 mitochondrial precursor	5	0	0			0	0	0
surfeit 6	5	0	0	0			0	
swi snf matrix actin dependent regulator of subfamily member 2	5	0				0	0	
sympk protein	5	0				0		
synaptotagmin-like 1	5					0	0	0
syndecan-2-a precursor	5	0	0	0		0		
taf9 rna polymerase tata box binding protein - associated factor	5	0		0		0	0	
tartrate-resistant acid phosphatase type 5 precursor	5				0			
t-complex protein 1 subunit gamma	5	0	0					0
tetratricopeptide repeat domain 4	5	0		0	0	0		
tetratricopeptide repeat protein 38	5	0	0	0		0		
thimet oligopeptidase	5	0	0					
thioredoxin domain containing 5	5	0	0			0		
tho complex subunit 7 homolog	5	0		0	0		0	
threonyl-trna synthetase	5	0	0	0		0		
thymosin beta	5	0		0	0		0	
thyroid hormone receptor interactor 12 isoform 2	5	0		0		0		
thyroid transcription factor 1-associated protein 26 homolog	5	0		0	0			
tm2 domain containing 1	5	0	0	0		0	0	
tmem9 domain member b	5	0	0	0		0	0	
tnf receptor-associated protein 1	5	0	0			0		
transaldolase	5	0	0	0		0		0
transcription factor	5	0		0				
transcription factor ap-1	5	0			0			0
transcription factor e2-alpha	5	0		0		0	0	
transcriptional adapter 3	5				0	0		0
transcriptional repressor protein yy1-like	5				0			0
translation initiation factor eif-2b subunit epsilon	5	0	0	0		0		
translocation protein sec62	5	0		0		0	0	0
transmembrane emp24 domain-containing protein 10 precursor	5	0	0	0			0	0

transmembrane emp24 domain-containing protein 3 precursor	5	0	0	0	0			
transmembrane emp24 protein transport domain containing 5	5	0	0	0			0	
transmembrane protein 120a	5	0		0			0	
transmembrane protein 128	5	0		0		0		0
transmembrane protein 141	5	0	0		0	0	0	
transmembrane protein 144	5				0			
transmembrane protein 18	5	0	0	0		0	0	
transmembrane protein 199	5	0		0		0	0	
transmembrane protein 49	5	0	0				0	
transmembrane protein 59	5	0	0	0		0	0	
transmembrane protein 59 precursor	5				0		0	0
transmembrane protein 63b	5	0					0	0
transmembrane protein 87a	5	0	0					
transmembrane protein c10orf57 homolog	5	0	0	0		0		0
transportin 2 (importin karyopherin beta 2b)	5	0					0	
transposon tx1 uncharacterized 149 kda	5			0	0	0	0	
tributyltin binding protein type 2	5			0	0			
tripartite motif protein 21-like	5	0		0				
tripeptidyl peptidase i	5	0	0	0				
tuberous sclerosis 2	5	0	0			0		0
tubulin alpha-1c chain	5	0			0			0
tubulin alpha-1c chain-like	5		0			0		0
tubulin-specific chaperone c	5	0			0			
tumor protein d52-like 2	5	0				0	0	
tumor suppressor candidate 3	5	0		0		0		0
tumor-associated calcium signal transducer 2 precursor	5	0			0			
type alpha 3	5	0		0		0		
type i keratin s8	5	0	0	0	0		0	
type ii	5	0	0			0		
tyrosyl-trna synthetase	5	0	0	0		0		0
u1 small nuclear ribonucleoprotein 70 kda	5	0	0			0		0
u3 small nucleolar ribonucleoprotein protein imp3	5	0		0	0	0		0
u4 tri-snrrp-associated protein 1	5				0			
u6 snrna-associated sm-like protein lsm1	5	0	0		0	0		
ubiquitin carboxyl-terminal hydrolase 10	5	0	0			0	0	
ubiquitin carboxyl-terminal hydrolase 5	5	0			0	0	0	
ubiquitin protein ligase e3 component n-recogin 3	5	0						0
ubiquitin specific peptidase like 1	5	0	0			0	0	
ubiquitin-conjugating enzyme e21 3	5	0		0		0		0
ubiquitin-conjugating enzyme e2q family member 2	5	0	0				0	
ubiquitin-like 3	5	0	0				0	0
ubiquitin-like protein 5	5	0	0				0	0
ubtf protein	5	0		0		0	0	0
udp- c:betagal beta- -n-acetylglucosaminyltransferase 5	5	0			0			
udp-glucose pyrophosphorylase 2	5	0	0	0				
upf0466 protein mitochondrial-like	5	0	0	0		0	0	
upf0600 protein c5orf51-like	5	0	0	0		0		
upstream binding transcription rna polymerase i	5	0					0	0
uracil phosphoribosyltransferase	5	0		0			0	0
uracil-dna glycosylase	5	0		0		0		0
uv excision repair protein rad23 homolog b	5	0	0			0	0	0

vacuolar protein sorting 13 homolog a (cerevisiae)	5	0	0	0				
vesicle-fusing atpase	5	0				0		0
vesicle-trafficking protein sec22b-b	5	0	0	0				
voltage-dependent anion-selective channel protein 1	5							0
voltage-gated sodium channel	5	0						
von willebrand factor d and egf domain-containing	5	0						
vps10 domain receptor protein sorcs 3-like	5	0				0		
v-type proton atpase 116 kda subunit a isoform 2	5	0				0	0	
v-type proton atpase subunit d	5	0	0			0		0
v-type proton atpase subunit e 1	5	0	0	0			0	0
wd repeat- and fyve domain-containing protein 4	5		0		0		0	
wd repeat phosphoinositide interacting 1	5	0	0	0		0		
y box binding protein 1	5			0	0			0
yeats domain containing 4	5	0		0	0	0	0	
yip1 domain member 4	5	0	0	0		0	0	
yippee-like 5	5	0	0			0	0	0
zinc cchc domain containing 17	5	0	0			0	0	0
zinc finger cchc domain-containing protein 4	5				0			
zinc finger protein 292	5	0			0			0
zinc finger protein 572	5	0		0		0		
zinc finger protein 576	5	0			0			0
zinc finger protein 622	5	0	0			0		0
zinc finger protein 646	5	0				0	0	
zinc finger protein 821	5	0						
10 kda heat shock mitochondrial	4	0	0			0		0
11-beta-hydroxysteroid dehydrogenase type 3	4	0	0	0				
1-acylglycerol-3-phosphate o-acyltransferase 3	4	0	0				0	0
24-dehydrocholesterol reductase	4	0	0	0		0		
26s proteasome non-atpase regulatory subunit 3	4	0	0					0
2-hydroxyacyl- lyase 1	4	0	0	0				
39s ribosomal protein mitochondrial	4	0			0			0
3-hydroxy-3-methylglutaryl-coenzyme a reductase	4		0		0			
40s ribosomal protein s20	4				0			
5 -amp-activated protein kinase catalytic subunit alpha-1	4	0		0				0
5 -nucleotidase domain containing 2	4	0				0		0
5a11 basigin-2	4	0	0	0				
60s ribosomal protein l22	4	0	0				0	0
6-phosphofructo-2-kinase fructose- - biphosphatase 4	4	0						0
a chain crystal spectroscopic and catalytic properties of cobalt copper nickel and mercury derivatives of the zinc endopeptidase a correlation of structure and proteolytic activity	4				0			
acetyl- carboxylase 1	4	0	0					
acetyl- carboxylase 2	4	0	0					0
aconitate mitochondrial	4	0		0			0	
actin beta subunit	4							0
actin binding 2a	4			0				
actin related protein 2 3 subunit 41kda	4	0	0	0				

actin-related protein 2 3 complex subunit 1b	4	0	0	0	0			
activating signal cointegrator 1 complex subunit 3	4	0	0	0				
activating transcription factor 6	4	0	0			0		
activating transcription factor 7-interacting protein 1	4	0			0	0		
acyl- dehydrogenase family member mitochondrial	4		0		0	0		
acyl- synthetase bubblegum family member 2	4	0	0					
acyl- synthetase short-chain family member 2	4	0	0					
acyl- thioesterase 9	4	0						0
acyl-coenzyme a very long chain	4	0	0	0				
acyl-protein thioesterase 1	4	0	0	0	0			
adam metalloproteinase with thrombospondin type 1 13	4		0	0				
adaptor-related protein complex beta 1 subunit	4	0	0				0	
adaptor-related protein complex gamma 1 subunit isoform 2	4	0		0			0	
adenylate cyclase activating polypeptide 1 receptor type i	4					0	0	
adenylyl cyclase-associated protein 1	4	0	0	0			0	
adp-ribosylation factor 3	4	0					0	
adp-ribosylation factor-like 2	4	0		0		0	0	
adp-ribosylation factor-like protein 4a	4	0		0		0	0	
af442732_3reverse transcriptase ribonuclease h methyltransferase	4			0		0	0	
alanyl-trna synthetase	4	0		0				0
aldehyde dehydrogenase 18 member a1	4	0	0	0		0		
aldehyde dehydrogenase 7 member a1	4	0	0	0	0			
aldehyde dehydrogenase 9 member a1	4		0					
alkylated dna repair protein alk b homolog 1	4	0	0			0		
alpha 2-macroglobulin 4	4		0	0				
alpha- and gamma-adaptin-binding protein p34	4	0	0	0				
alpha-mannosyl-glycoprotein 2-beta-n-acetylglucosaminyltransferase	4		0	0				0
alpha-2-antiplasmin precursor	4		0	0	0			
amino-terminal enhancer of split	4	0	0				0	
amphiphysin	4	0				0		0
amplified in osteosarcoma	4	0	0	0				
amylo- 6- 4-alpha-glucanotransferase isoform 1	4	0						
angiopoietin-like 2	4	0						
angiopoietin-related protein 4	4		0	0		0		
angiotensin converting enzyme	4	0					0	0
ankyrin repeat and ibr domain-containing protein 1	4	0				0	0	
ankyrin repeat domain-containing protein 46	4	0	0			0		0
ankyrin unc44	4	0						
annexin a4	4	0	0	0		0		
anthrax toxin receptor 1	4	0	0					
ap-1 complex subunit mu-2	4		0		0			
ap-1 complex subunit sigma-2	4	0		0			0	0
ap-3 complex subunit delta-1	4			0		0	0	0
ap-4 complex subunit sigma-1-like	4		0					0
apobec1 complementation factor	4		0					
apolipoprotein a-iv	4		0	0				
apolipoprotein b-100-like	4				0			
apolipoprotein d	4	0	0	0	0			

apolipoprotein o-like	4	0	0	0				
aquaporin-4	4	0						
arf-gap with ank repeat and ph domain-containing protein 1-like	4							0
arp1 actin-related protein 1 homolog contractin beta	4	0	0				0	
aryl hydrocarbon receptor interacting protein	4	0	0		0		0	
arylsulfatase a	4	0		0				0
aspartate mitochondrial precursor	4	0		0	0			0
aspartoacylase	4	0	0	0				0
atp citrate lyase	4	0	0					0
atp h+ mitochondrial f1 delta subunit	4	0	0		0			0
atp synthase subunit 6	4				0			0
atp1a3 protein	4							0
atp-binding cassette sub-family f member 1	4	0	0	0	0			
atp-binding sub-family b (mdr tap) member 8	4	0	0					
atp-binding sub-family c (cfr mrp) member 2	4	0	0	0				
atp-dependent rna helicase ddx54	4	0	0		0			0
atp-dependent rna helicase ddx55	4	0						0
atp-sensitive inward rectifier potassium channel 10	4					0		0
b-cell cll lymphoma 9-like	4	0						
bcl2-associated x protein	4	0	0		0			0
beta (43kda dystrophin-associated glycoprotein)	4						0	0
beta tubulin 3	4							0
beta-lactamase-like protein 2	4	0	0	0				0
bile acid receptor	4		0	0				
biogenesis of lysosome-related organelles complex 1 subunit 1	4	0		0	0		0	
bola-like protein 1	4	0	0		0	0		
bone morphogenetic protein 1	4	0	0	0		0		
brain-specific angiogenesis inhibitor 1	4	0				0		
branched chain keto acid dehydrogenase beta polypeptide	4	0	0			0		
brefeldin a-inhibited guanine nucleotide-exchange protein 1	4		0	0	0			0
bromodomain containing 4	4	0					0	
btb domain containing 6	4					0		0
btbd2 protein	4	0	0	0	0			
c12orf51 protein	4	0					0	
c16orf14 homolog	4	0		0	0			
c18orf32 homolog	4	0	0	0				0
c19orf12 homolog	4	0	0					
c1galt1-specific chaperone 1	4	0		0				0
c1orf50 homolog	4	0	0				0	0
c21orf51 homolog	4	0			0			0
c7orf24 homolog	4	0	0		0	0		
calcineurin binding protein 1	4	0				0	0	0
calcium binding protein p22	4	0		0		0		
calcium calmodulin-dependent protein kinase (kinase) ii gamma 1	4	0					0	0
calcium calmodulin-dependent protein kinase ii inhibitor 2	4					0	0	0
calcium voltage- gamma subunit 1	4	0						
calcium-binding protein 39	4	0				0		
calmodulin regulated spectrin-associated protein 1-like 1	4	0					0	
calpain (m ii) large subunit a	4	0				0	0	
calsyntenin 1	4	0					0	0

camp-dependent protein kinase inhibitor gamma	4	0	0				0
capping protein (actin filament) muscle z- beta	4		0	0	0		0
carbohydrate kinase domain-containing	4				0	0	0
carboxypeptidase a2	4	0	0				
carboxypeptidase b2	4		0	0			
carboxypeptidase e	4	0					0
carboxypeptidase polypeptide 1	4	0	0	0			0
cardiomyopathy associated 5	4	0					
cartilage associated protein	4			0	0		0
casein kinase gamma 2	4	0	0	0			0
casein kinase ii subunit beta	4				0		0
caspace-like protein	4	0					
castor homolog zinc finger	4	0					
catechol o-methyltransferase	4	0	0	0		0	
catenin beta-1	4	0	0				0
cathepsin b precursor	4		0	0	0		0
ccaat enhancer-binding protein delta	4	0	0	0			
cd029 protein	4	0					
cd209 antigen-like protein d	4		0	0			0
cd48 molecule	4	0					
cdk5 regulatory subunit associated protein 3	4	0	0	0			
cdkn2a interacting protein n-terminal like	4	0	0	0			0
cell death activator cide-b	4		0	0			0
cell differentiation protein rcd1 homolog	4	0		0	0		0
cell division cycle 123 homolog (cerevisiae)	4	0	0	0			
centrin 3	4	0	0			0	0
charged multivesicular body protein 3	4	0				0	0
charged multivesicular body protein 6	4	0		0			0
cholinergic alpha 7-like	4	0				0	
chondroitin sulfate proteoglycan 2	4	0				0	
chondroitin sulfate proteoglycan 5-like	4						0
chromobox protein homolog 1	4					0	0
chromobox protein homolog 5	4	0	0	0			0
chromosome 1 open reading frame 123	4	0		0		0	0
chromosome 1 open reading frame 91	4	0		0		0	
chromosome 14 open reading frame 153	4	0		0		0	0
chromosome 2 open reading frame 43	4	0		0		0	0
chromosome 6 open reading frame 106	4	0	0	0			
chromosome 6 open reading frame 125	4	0	0		0	0	
chromosome 6 open reading frame 62	4	0	0			0	0
chromosome 9 open reading frame 16	4	0		0		0	0
chromosome 9 open reading frame 25	4	0				0	
chromosome x open reading frame 26	4	0		0		0	0
chronic lymphocytic leukemia deletion region gene 6 protein homolog	4	0		0		0	
c-jun-amino-terminal kinase-interacting protein 1-like	4					0	0
clathrin light polypeptide	4	0	0	0		0	
claudin 6	4	0			0	0	0
coagulation factor ii	4		0	0			
coatomer subunit gamma-2	4		0				0
cobl-like 1	4	0	0			0	
coenzyme q6 monooxygenase (cerevisiae)	4	0	0			0	
cofactor required for sp1 transcriptional subunit 3	4					0	0
coiled-coil domain containing 109b	4	0					
coiled-coil domain containing 25	4	0		0		0	0
coiled-coil domain containing 86	4	0	0	0		0	

coiled-coil domain-containing protein 43	4	0	0	0	0				
coiled-coil-helix-coiled-coil-helix domain containing 3	4	0		0					0
coiled-coil-helix-coiled-coil-helix domain-containing protein 6	4	0	0			0			
collagen alpha-1 chain-like	4	0			0		0		0
complement component 6	4	0	0	0					
complement component c8 beta chain	4				0				0
connexin 43	4	0				0	0	0	
cop9 signalosome complex subunit 3	4	0			0				
copia protein	4	0				0			
copine viii	4						0	0	
cornifelin homolog b	4	0	0	0				0	
cox16 cytochrome c oxidase assembly homolog	4	0	0	0		0			
ctd (carboxy-terminal rna polymerase polypeptide a) small phosphatase like 2	4	0					0		
cub and sushi multiple domains 1	4						0		
cullin 2	4	0	0	0					
cyclin i	4	0	0				0		
cyclin-dependent kinase 2-associated protein 1	4	0		0		0		0	
cyclin-dependent kinase 2-associated protein 2	4	0		0		0	0		
cyclin-dependent kinase 4	4	0							0
cyclin-dependent kinase 5	4			0			0	0	
cyclin-dependent kinase 6	4	0		0					
cyclin-dependent kinase 8	4	0	0						
cyclin-dependent kinase 9	4		0		0				
cysteine- angiogenic 61	4	0							
cysteine dioxygenase type 1	4	0	0	0					
cysteine protease atg4b	4	0		0					0
cysteinyl-trna synthetase mitochondrial	4	0							
cystinosin	4	0	0	0					
cytochrome c oxidase subunit viib	4		0	0				0	0
cytochrome family subfamily polypeptide 2	4		0	0			0		
cytosolic fe-s cluster assembly factor nubp2	4	0		0		0	0		
cytosolic non-specific dipeptidase	4			0		0		0	0
d-dopachrome tautomerase	4	0	0	0				0	
dead (asp-glu-ala-asp) box polypeptide 56	4	0		0	0			0	
deah (asp-glu-ala-his) box polypeptide 38	4	0	0						
death inducer-obliterator 1	4	0					0		
death-associated protein kinase 2	4	0	0	0					
decorin	4	0		0		0		0	
dedicator of cytokinesis 11	4	0					0		
dedicator of cytokinesis 4	4	0					0		
dehydrodolichyl diphosphate synthase	4	0		0	0	0			
dehydrogenase e1 and transketolase domain containing 1	4	0	0						
dehydrogenase reductase sdr family member 4	4	0	0	0	0				
dendritic cell immunoactivating receptor	4					0			0
deoxyhypusine synthase	4	0						0	0
deoxyribose-phosphate aldolase	4		0		0				
diacylglycerol alpha	4						0	0	
dihydrolipoamide dehydrogenase	4	0	0						
di-n-acetylchitobiase	4		0	0				0	
dna damage-binding protein 1	4	0	0						0
dna excision repair protein ercc-6-like	4		0		0				
dna replication complex gins protein psf2	4	0			0	0			
dna-binding protein inhibitor id-3	4	0	0	0	0				

dna-directed rna polymerase ii subunit rpb7	4	0	0		0	0	
dnaj homolog subfamily c member 15	4	0			0	0	0
dolichol-phosphate mannosyltransferase subunit 3	4	0	0	0	0		
dolichyl-phosphate mannosyltransferase polypeptide catalytic subunit	4	0		0	0		0
dst protein	4						0
dual specificity mitogen-activated protein kinase kinase 4	4	0	0		0		
dynactin subunit 4	4	0				0	0
dynactin subunit 6	4	0		0	0	0	
dynammin 1-like	4	0			0	0	0
dystroglycan preproprotein	4	0				0	0
e2f transcription factor 4	4		0	0	0		
e2f-associated phosphoprotein	4	0			0	0	0
e3 sumo-protein ligase 2	4	0				0	
e3 sumo-protein ligase nse2	4	0		0	0		0
e3 ubiquitin-protein ligase bre1a	4		0			0	0
e3 ubiquitin-protein ligase siah2	4				0		0
ecto-adp-ribosyltransferase 5-like	4	0		0			
ectonucleoside triphosphate diphosphohydrolase 1	4	0	0	0			0
egf-like repeat and discoidin i-like domain-containing protein 3-like	4				0		0
eh domain-containing protein 3	4	0		0	0		
eif4e binding protein	4	0	0	0	0		
elastase 2a	4	0	0	0			
elmo ced-12 domain containing 2	4	0	0			0	0
elongation factor 1-alpha 1	4				0	0	
endothelial pas domain protein 1	4	0					0
endothelin receptor type a	4	0			0		
engulfment and cell motility protein 1	4	0				0	0
ependymin-2 precursor	4				0		0
epidermal growth factor receptor	4	0		0			
epithelial membrane protein 3	4	0		0	0		
epoxide hydrolase 1	4	0	0		0		
epoxide hydrolase microsomal	4		0				0
erb2 interacting protein	4	0					0
ester hydrolase c11orf54 homolog	4	0	0		0	0	
eukaryotic elongation factor-2 kinase	4	0					
eukaryotic initiation factor 4a-i	4				0		0
eukaryotic translation initiation factor 3 subunit j	4		0	0		0	0
eukaryotic translation initiation factor 3 subunit k	4	0	0	0			0
eukaryotic translation initiation factor 3 subunit l	4	0	0	0	0		
eukaryotic translation initiation factor 3 subunit l-like	4				0		
eukaryotic translation initiation factor 6	4		0	0			0
eukaryotic translation initiation factor isoform 1	4	0	0	0		0	
eukaryotic translation initiation factor isoform 1b	4			0	0		0
eukaryotic translation termination factor 1	4		0	0	0		
exocyst complex component 2	4	0		0	0		0
exocyst complex component 7	4	0			0		
exosome component 10	4	0			0		0
exostosin 1	4	0			0	0	
extended synaptotagmin-1-like	4	0					0

fas apoptotic inhibitory molecule 2	4				0	0	0
f-box only protein 6	4	0	0		0		0
fibrillin 1	4	0	0				
fibrinogen gamma polypeptide	4		0	0			
fibrinogen-like 1	4	0					
fibroblast growth factor-binding protein 2-like	4						0
fibronectin type-iii domain-containing protein unq728 pro1410 homolog precursor	4	0			0	0	0
filamin gamma isoform 1	4	0					
fk506 binding protein 10	4	0	0				
folylpolyglutamate synthase	4	0	0				
formin binding protein 4	4		0			0	0
fshd region gene 1	4	0	0	0	0		
fumarate hydratase	4	0	0	0			
fxyd domain containing ion transport regulator 8	4	0					
fyn-binding protein	4			0			0
g kinase anchoring protein 1	4	0		0	0		
g protein beta subunit-like	4	0			0		
g2 m-phase specific e3 ubiquitin ligase-like	4	0		0			
gag-pol protein	4	0			0		
gag-pro-pol polyprotein	4		0	0			
galactose-1-phosphate uridylyltransferase	4	0	0				0
galectin-related protein	4	0		0			0
gastric cancer antigen zg14 homolog	4	0		0	0	0	
gastrula zinc finger protein	4	0				0	
gcn1 general control of amino-acid synthesis 1-like 1	4	0	0	0		0	
gdp dissociation inhibitor 2	4	0		0	0		0
general transcription factor ii-i repeat domain-containing protein partial	4	0			0		
GK25437 [Drosophila willistoni]	4	0					
glucocorticoid receptor dna-binding factor 1	4	0	0		0		
glutamate metabotropic 2	4				0		0
glutamate-cysteine catalytic subunit	4	0	0			0	
glutaredoxin-1	4	0	0		0	0	
glutathione reductase	4	0	0				
glycoprotein beta polypeptide	4	0					
golgi gamma adaptin ear arf binding protein 1	4	0			0		
golgi golgin subfamily 7	4	0				0	0
golgi to er traffic protein 4 homolog	4	0		0	0		
gpn-loop gtpase 3	4		0			0	0
granulocyte colony-stimulating factor receptor-like	4				0		
g-rich sequence factor 1	4			0	0	0	0
grip and coiled-coil domain-containing protein 1	4						0
growth and transformation-dependent protein	4	0		0	0	0	
growth arrest and dna damage-inducible protein gadd45 gamma	4	0	0	0			
growth factor receptor-bound protein 14	4	0					
growth inhibition and differentiation-related protein 88 homolog	4		0		0		0
guanine nucleotide binding 3	4	0		0	0	0	
guanine nucleotide binding protein (g protein) alpha 13	4	0	0	0			0
guanine nucleotide binding protein (g protein) beta polypeptide 1	4	0				0	0
guanine nucleotide binding protein (g protein) gamma 13	4	0			0	0	0

h+ lysosomal accessory protein 2	4	0	0			0	0
h+ lysosomal v1 subunit f	4	0	0	0			0
haloacid dehalogenase-like hydrolase domain containing 3	4	0		0			
hat family dimerisation	4	0					
heat shock 70kda protein 14	4	0		0			
heat-responsive protein 12	4	0	0		0		0
heavy chain cardiac beta	4	0					
heavy polypeptide 200kda-like isoform 1	4	0					
heavy polypeptide a	4		0			0	
hect (homologous to the e6-ap carboxyl terminus) domain and rcc1 -like domain 1	4	0	0				
hematological and neurological expressed 1	4				0	0	0
heme transporter hrg1	4	0	0			0	
hepatocyte nuclear factor 4-alpha	4		0	0			
hig1 domain family member 1a	4	0	0	0			0
high affinity choline transporter 1-like	4		0		0		0
high affinity immunoglobulin gamma fc receptor i precursor	4	0					
hira interacting protein 5	4	0		0		0	0
hira-interacting protein 3	4		0		0		
histone h5a	4	0	0	0			
hiv-1 tat interactive protein 30kda	4	0	0	0		0	
hobo-like transposase	4	0				0	0
homeodomain transcription factor 2	4	0		0			0
homolog subfamily c member 12	4	0		0		0	
homolog subfamily c member 8	4	0		0	0	0	
hormone-sensitive lipase	4	0	0		0		
hsp90 co-chaperone cdc37	4	0		0		0	0
human immunodeficiency virus type i enhancer binding protein 2	4	0				0	
human immunodeficiency virus type i enhancer binding protein 3	4	0				0	0
hyaluronan binding protein 2	4		0		0		
hydroxyacyl-coenzyme a dehydrogenase 3-ketoacyl-coenzyme a thiolase enoyl-coenzyme a hydratase (trifunctional protein) alpha subunit	4	0	0	0		0	
im:6912380 protein	4					0	0
importin subunit alpha-4	4	0	0				
inhibitor of growth member 1	4	0		0	0	0	
inositol polyphosphate-5- 40kda	4	0	0				0
insulin-like growth factor binding acid labile subunit	4		0		0		
integrator complex subunit 7	4	0			0		0
interferon regulatory factor 1	4	0	0	0			0
interferon-induced 17 kda protein precursor	4	0		0			
intraflagellar transport protein 20 homolog	4	0		0	0	0	
iq motif and wd repeats 1	4	0		0		0	0
iron-sulfur assembly mitochondrial precursor	4	0	0			0	0
iron-sulfur cluster assembly 1 homolog (cerevisiae)	4	0				0	0
jeltraxin precursor	4		0		0	0	0
jumonji domain containing 2c	4	0		0		0	0
kcnab2 protein	4	0					
kda protein	4	0		0		0	0
kdel (lys-asp-glu-leu) endoplasmic reticulum protein retention receptor 2	4	0	0	0			
kiaa2032 protein	4	0		0		0	0
kinesin family member partial	4	0			0	0	

kruppel-like factor 11	4	0	0		0		
lambda-crystallin homolog	4	0	0			0	
laminin subunit beta-1	4	0			0	0	
large homolog 5	4	0		0		0	0
large proline-rich protein bat3	4		0	0			0
ldlr chaperone mesd	4	0	0	0		0	
lemur tyrosine kinase 2	4	0		0	0		
leucine-rich glioma-inactivated protein 1 precursor	4					0	0
leucine-rich repeats and calponin homology domain containing 1	4	0			0		
leucine-zipper-like transcription regulator 1	4	0			0	0	0
leucine-zipper-like transcriptional regulator 1	4		0	0			0
leucyl-trna cytoplasmic	4	0		0	0	0	
lim and senescent cell antigen-like-containing domain protein 1	4	0	0				0
lim domain 7	4	0	0		0		
lim domain binding 3	4	0					
lin-52 homolog	4	0	0		0	0	
lish domain and heat repeat-containing protein kiaa1468-like	4	0	0			0	0
loc100127275 protein	4	0					
loc398864 protein	4	0		0	0		
loc407663 protein	4	0			0		0
loc553397 protein	4	0			0	0	
loc553430 protein	4	0		0	0	0	
loc734098 protein	4					0	0
lon peptidase n-terminal domain and ring finger 1	4	0				0	0
low quality protein: desmoplakin-like	4	0	0	0			
lpxtg-motif cell wall anchor domain protein	4	0			0	0	
lyr motif-containing protein 7	4	0	0		0	0	
lyric protein	4		0	0	0		
lysophosphatidylcholine acyltransferase 2	4	0	0				
lysosomal-associated membrane protein 1	4	0			0	0	
lysosomal-associated membrane protein 2	4	0				0	0
macrophage erythroblast attacher	4	0	0		0	0	
malate dehydrogenase	4	0	0	0			
maltase- intestinal	4		0		0	0	
mannose- 1	4	0	0	0			
map-kinase activating death domain	4	0				0	
matrix-remodelling associated 7	4	0		0			
max protein	4	0		0		0	
mediator complex subunit 13	4	0				0	0
mediator of rna polymerase ii transcription subunit 11	4	0		0	0		
membrane palmitoylated 6 (maguk p55 subfamily member 6)	4	0	0	0			
mercaptopyruvate sulfurtransferase	4	0	0	0			
mesoderm specific transcript	4	0	0				0
metalloprotease c21orf57	4	0		0	0	0	
metalloproteinase inhibitor 2 precursor	4	0		0			
methyl- -binding domain protein 3	4	0	0			0	
methylosome subunit picln	4	0	0				0
mgc82104 protein	4	0			0		
mhc class i antigen	4	0	0		0		
microtubule-associated protein 2	4					0	0
midline 1	4	0				0	
mitochondrial atp h+ transporting f1 complex beta subunit	4				0		0

mitochondrial endonuclease g	4	0	0					0
mitochondrial enolase superfamily member 1	4	0	0					
mitochondrial import inner membrane translocase subunit tim23	4				0	0		
mitochondrial inner membrane protease atp23 homolog	4	0	0		0	0		
mitochondrial inner membrane protein oxa11 precursor	4	0	0	0				
mitochondrial nadh dehydrogenase ubiquinone flavoprotein 1	4	0	0	0				
mitochondrial ribosomal protein 63	4	0	0			0	0	
mitochondrial ribosomal protein l17	4	0	0			0	0	
mitochondrial ribosomal protein l37	4	0		0		0		0
mitochondrial ribosomal protein s14	4	0		0		0		0
mitochondrial ribosomal protein s25	4	0	0	0		0		
mitochondrial ribosomal protein s31	4	0	0			0		
mitogen-activated protein kinase 1	4				0		0	0
mitogen-activated protein kinase 13	4	0		0		0		0
mitogen-activated protein kinase kinase kinase 5	4	0						
mortality factor 4-like protein 1	4			0	0	0		0
mps one binder kinase activator-like 2a	4		0	0	0	0		
mps one binder kinase activator-like 2-like	4	0	0	0	0			
mps one binder kinase activator-like 3	4	0	0	0				0
mterf domain containing 1	4	0	0	0				
muscleblind-like 1 isoform 1	4	0						
muscleblind-like 2	4	0				0		0
myc-induced nuclear antigen-like	4				0			0
myelin protein zero	4	0					0	0
myeloid lymphoid or mixed-lineage leukemia 2	4	0		0		0		
myeloid-associated differentiation marker	4	0	0					
myocyte enhancer factor 2c protein	4	0						
myo-inositol oxygenase	4		0	0	0			
myomesin member 3	4	0						
myosin binding protein cardiac	4	0			0			
myosin light chain smooth muscle	4	0	0		0			
myosin-binding protein fast-type	4	0						
n-acetylglucosamine kinase	4	0	0	0				
n-acetyltransferase 5	4	0	0		0			0
n-acetyltransferase 9	4	0				0		0
n-acetyltransferase nat13	4		0	0	0			0
n-acylsphingosine amidohydrolase (acid ceramidase) 1	4	0		0		0		0
nadh dehydrogenase 1 alpha assembly factor 2	4	0				0		0
nadh dehydrogenase 1 alpha subcomplex subunit 6	4	0		0		0	0	
nadh dehydrogenase 1 subunit c2	4	0	0	0				
nadh dehydrogenase subunit 6	4	0		0			0	0
nadh-ubiquinone oxidoreductase variant 1	4	0	0			0	0	
nap homolog 2	4	0	0					0
nardilysin precursor	4		0	0		0		
n-arginine dibasic nrd convertase 1	4	0	0	0			0	
natterin-like protein	4	0		0				
n-deacetylase n-sulfotransferase (heparan glucosaminyl) 1	4	0	0					0
nei endonuclease viii-like 1 (coli)	4	0				0		0
neurocalcin-delta	4	0					0	0
neurogranin	4						0	0

neuronal acetylcholine receptor subunit alpha-7-like	4					0	0	0
neuron-specific protein family member 1	4							0
neuropathy target esterase	4		0			0		
nfkB activating	4	0	0	0		0		
nidogen 1	4	0						
nipped-b-like protein	4				0	0	0	0
n-myc downstream regulated gene 3	4	0					0	0
n-myristoyltransferase 2	4		0	0	0			0
non-lysosomal glucosylceramidase	4		0		0			0
non-specific cytotoxic cell receptor protein 1 homolog	4	0	0	0		0		
non-structural maintenance of chromosomes element 1 homolog	4	0	0				0	
novel protein glutaminase	4	0						0
novel protein titin	4	0						
novel protein vertebrate ankyrin neuronal (zgc:101738)	4	0					0	0
novel protein vertebrate nebulin	4	0						
novel protein vertebrate sorbin and sh3 domain containing family	4	0		0		0	0	
novel serine protease protein	4	0				0	0	
novel synuclein domain containing protein (zgc:110133)	4						0	0
nuclear factor erythroid 2-related factor 2	4	0	0			0		
nuclear factor of activated t-cells 5	4	0					0	
nuclear nucleic acid-binding protein c1d	4	0		0	0			
nuclear receptor subfamily 4 group a member 1	4	0						
nuclear transcription factor alpha	4	0		0				0
nuclear transcription factor y subunit gamma	4		0	0				0
nucleolar protein 16-like	4				0			0
nucleolysin tiar	4	0	0					0
nucleoporin 54kda	4	0	0	0				0
nucleoporin nup37	4	0	0			0	0	
nucleosome assembly protein 1-like 4	4	0	0		0			
obg-like atpase 1	4	0	0		0			
organic solute transporter subunit alpha	4	0	0		0			
ornithine aminotransferase	4	0	0	0				
orphan 1	4	0	0			0		
otu domain-containing protein 6b	4	0	0	0				
p2y purinoceptor 11	4	0	0	0				
paladin	4	0				0		0
pantophysin	4	0	0	0				
pantothenate kinase 2 (hallervorden-spatz syndrome)	4	0						
pantothenate kinase 4	4	0	0			0		
paraoxonase 2	4	0			0	0		0
pc4 and sfrs1 interacting protein 1	4	0						0
pctaire protein kinase 2	4	0	0				0	0
pdz and lim domain 5	4	0					0	
peptidoglycan recognition protein	4		0	0	0			
peptidyl-prolyl cis-trans isomerase fkbp2-like	4				0			0
peptidyl-prolyl cis-trans isomerase fkbp4	4	0						0
peptidyl-prolyl cis-trans isomerase nima-interacting 1	4	0		0		0		0
peptidyl-prolyl cis-trans isomerase-like 2	4	0		0				
peptidylprolyl isomerase domain and wd repeat containing 1	4	0	0			0	0	

periodic tryptophan protein 1 homolog	4	0	0				0
peroxiredoxin-1	4				0		0
peroxisomal acyl-coenzyme a oxidase 3	4	0	0				
peroxisomal membrane protein 4	4	0	0			0	0
peroxisomal trans-2-enoyl- reductase	4	0	0	0			
pescadillo homolog	4		0	0			0
phenylalanine hydroxylase	4		0	0	0		
phosphatase and actin regulator 4	4	0					
phosphatidylinositol n- acetylglucosaminyltransferase subunit y	4	0	0	0		0	
phosphatidylinositol-glycan biosynthesis class x protein precursor	4	0		0		0	0
phosphodiesterase 4d interacting protein	4	0					
phosphoenolpyruvate carboxykinase	4		0	0			0
phosphoethanolamine n-methyltransferase	4		0	0			
phospholipase gamma 1	4	0				0	
phospholipase group xiib	4		0	0	0		
phosphomannomutase 1	4		0	0			0
phosphoribosyl pyrophosphate synthetase 1	4	0	0	0			
phytanoyl- 2-hydroxylase	4	0	0	0	0		
piggybac transposable element derived 4	4	0				0	
pituitary tumor-transforming 1 interacting protein	4	0		0	0	0	
plasma membrane calcium-transporting atpase 1	4	0				0	0
plasma membrane calcium-transporting atpase 2	4					0	0
platelet-activating factor acetylhydrolase ib subunit alpha	4		0			0	
platelet-activating factor acetylhydrolase ib subunit gamma	4	0					0
platelet-derived growth factor receptor beta	4	0		0			0
pleckstrin homology domain-containing family b member 2	4	0				0	0
plexin a4	4	0				0	
poly (adp-ribose) glycohydrolase	4	0	0				0
poly (adp-ribose) polymerase member 6	4	0				0	0
poly binding cytoplasmic 1	4		0	0		0	0
poly -binding protein 2	4	0	0				0
poly binding protein interacting protein 1	4	0	0	0			
polyadenylate-binding protein 1	4		0			0	0
polymerase i and transcript release factor	4	0					
polymeric immunoglobulin receptor	4	0	0	0			
ppig protein	4	0		0		0	0
PREDICTED: lambda-recombinase-like protein-like [Danio rerio]	4	0		0			0
prefoldin subunit 1	4	0	0			0	0
pre-mrna-processing factor 17	4	0		0		0	
prenyl diphosphate subunit 2	4	0		0			
prestin	4	0	0				
probable atp-dependent rna helicase ddx41	4	0			0		
probable e3 ubiquitin-protein ligase herc1-like	4	0	0			0	
probable lysosomal cobalamin transporter	4	0		0			0
probable trna pseudouridine synthase 2	4	0	0	0		0	
probable u3 small nucleolar rna-associated protein 11	4	0	0	0		0	
programmed cell death protein 4	4		0			0	0
prolactin regulatory element-binding protein	4		0				0
proliferation-associated protein 2g4	4		0	0		0	
proline-rich nuclear receptor coactivator 2	4	0	0	0		0	

propionyl coenzyme a beta polypeptide	4	0	0	0				
propionyl-coenzyme a alpha polypeptide	4	0	0					
proprotein convertase subtilisin kexin type 5	4		0	0				
proteasome (macropain) 26s 4	4	0	0	0				
proteasome (macropain) 26s non- 11	4	0	0			0		
proteasome (macropain) 26s non- 6	4	0	0	0		0		
proteasome assembly chaperone 1	4	0			0		0	
proteasome assembly chaperone 3	4	0		0		0		0
proteasome subunit beta type-6 precursor	4		0			0	0	
protein amp- gamma 3 non-catalytic subunit	4	0						
protein atp1b4-like	4							0
protein c10	4			0		0	0	
protein c20orf11 homolog	4	0	0	0				
protein disulfide isomerase family member 3 precursor	4				0			0
protein disulfide isomerase family member 4	4	0	0	0	0			
protein dj-1	4	0		0				0
protein dpcd	4	0		0	0		0	
protein fam46a-like	4				0			
protein itfg3	4		0		0			0
protein ltv1 homolog	4	0	0	0				
protein nlrc3-like	4		0					0
protein phosphatase 1h (pp2c domain containing)	4	0				0	0	
protein phosphatase 1k (pp2c domain containing)	4	0	0	0				
protein phosphatase 11	4	0	0			0		
protein phosphatase regulatory subunit 12b	4	0						
protein phosphatase regulatory subunit 14a	4	0				0	0	0
protein piccolo isoform 1	4					0	0	
protein s	4	0	0	0				
protein s100-z-like	4				0			
protein sda1 homolog	4	0	0	0		0		
protein strawberry notch homolog 1	4	0		0		0	0	
protein tyrosine phosphatase-like (proline instead of catalytic arginine) member b	4		0	0	0		0	
protein tyrosine receptor u	4					0	0	
protein yipf5	4	0	0	0				
protein-glutamine gamma-glutamyltransferase 2	4	0	0	0				
prothrombin precursor	4				0			0
protocadherin 1	4					0	0	
protocadherin 1 gamma 31	4					0	0	0
protocadherin 2 gamma 29	4	0				0	0	
protocadherin 2a3-like	4						0	
protocadherin-10-like	4					0		
px domain-containing protein c6orf145 homolog	4		0	0	0			
pyrroline-5-carboxylate reductase 1	4		0	0				0
pyruvate carboxylase	4	0	0	0				
pyruvate kinase	4	0				0		0
rab acceptor 1	4	0	0	0				0
rab gdp dissociation inhibitor beta	4					0	0	0
rab interacting factor	4	0				0	0	
ran binding protein 9	4	0	0	0				
rapunzel 4-like	4	0		0		0		0
ras homolog gene member c	4	0		0		0		
ras homolog gene member u	4	0	0					
ras-related protein rab-8a	4	0	0	0			0	
ras-related protein rap-1b precursor	4	0	0	0				

rb1-inducible coiled-coil 1	4	0							
receptor tyrosine kinase	4	0	0		0				
receptor-transporting protein 3	4	0			0				
regeneration associated muscle protease	4	0							
regulator of g-protein signaling 7-binding protein	4					0	0	0	
renin receptor isoform 3	4				0				0
reticulocalbin ef-hand calcium binding domain	4	0	0	0					
reticulon 1a	4	0	0	0					
retinoblastoma binding protein 6	4	0	0	0					
retinoblastoma-like 1	4	0					0		
rho gdp dissociation inhibitor alpha	4	0					0		
rho gtpase activating protein 21	4	0				0	0	0	
rho gtpase-activating protein	4	0					0	0	
rhoa activator c11orf59 homolog	4	0	0					0	
ribokinase	4	0	0	0					0
ribosomal protein l18a	4	0		0		0		0	
ribosomal protein l36a-like	4	0		0		0		0	
ribosomal protein l37	4	0	0	0			0		
ribosomal protein s14	4	0		0		0	0		
ribosomal protein s2	4	0		0				0	
ribosomal protein s21	4	0	0		0	0			
ribosomal protein s3	4	0	0	0		0			
ribosomal protein s5	4	0		0		0		0	
ribosomal protein s6 polypeptide 1	4	0					0		
ribosomal rna processing 12 homolog (cerevisiae)	4	0	0	0					
riia domain-containing protein	4		0			0		0	
riken cdna 6330578e17 variant 1	4	0		0		0		0	
ring finger protein 103	4	0	0						
ring finger protein 115	4	0	0	0					
ring finger protein 170	4	0		0		0			
rna binding motif protein 10	4	0			0				0
rna binding single stranded interacting protein 3-like	4	0						0	
rna-binding protein with multiple splicing	4			0		0	0	0	
ryanodine receptor	4	0					0		
s2 ribosomal protein	4				0	0			
s-adenosylhomocysteine hydrolase	4	0	0						0
s-adenosylmethionine decarboxylase	4						0	0	
sb:cb37 protein	4	0	0	0					
scan domain containing partial	4	0	0			0	0		
sec23b (cerevisiae)	4	0	0						
secernin 3	4	0	0	0	0				
secretogranin iii	4					0		0	0
secretory carrier membrane protein 1	4	0				0	0		
selenoprotein i	4	0	0	0				0	
selenoprotein k	4	0	0	0		0			
selenoprotein s	4		0	0	0				
sema transmembrane domain and cytoplasmic 6d	4				0		0	0	
sentrin-specific protease 7	4		0						0
septin 7	4	0	0						
septin 9	4	0	0				0	0	
septin-7 isoform 2	4	0	0				0		0
sequestosome 1	4	0	0						
serine arginine repetitive matrix 1	4	0		0		0			0
serine arginine-rich protein specific kinase 1	4	0				0			
serine carboxypeptidase 1 precursor protein	4	0				0			
serine cytosolic	4				0	0			0

serine hydroxymethyltransferase 1	4	0	0	0					
serine incorporator 1 precursor	4								0
serine protease 23 precursor	4	0		0					0
serine threonine kinase 24 (ste20 yeast)	4	0		0			0		
serine threonine tyrosine-interacting protein	4	0				0			
serine threonine-protein kinase pim-3	4	0	0	0					
serine threonine-protein kinase pim-3-like	4	0				0		0	
serine threonine-protein phosphatase 2a catalytic subunit alpha isoform	4	0						0	0
serine threonine-protein phosphatase 2b catalytic subunit alpha isoform	4	0					0	0	
sestrin 1	4	0		0			0		
set and mynd domain-containing protein 1	4	0							
seven transmembrane helix receptor	4	0				0	0		
sh3 and cysteine-rich domain-containing protein 3	4	0							
sh3-domain kinase binding protein 1	4	0							
short transient receptor potential channel 1	4					0		0	0
signal peptidase complex subunit 3	4		0	0					
signal transducer and activator of transcription 3	4	0		0				0	
single-stranded dna-binding mitochondrial precursor	4					0	0		
sjogren syndrome scleroderma autoantigen 1	4	0	0			0	0		
slit and ntrk-like member 2	4			0			0	0	
slit homolog 1	4	0					0	0	
slow troponin t 1	4	0							
small nuclear ribonucleoprotein g	4					0			
sodium calcium exchanger 1	4	0					0	0	0
sodium channel protein type 8 subunit alpha isoform 2	4							0	0
solute carrier family 1 (glial high affinity glutamate transporter) member 2	4						0	0	0
solute carrier family 1 (glial high affinity glutamate transporter) member 3	4	0		0					0
solute carrier family 23 member 2-like	4		0	0					
solute carrier family 25 (mitochondrial aralar) member 12	4	0						0	0
solute carrier family 25 (mitochondrial carrier peroxisomal membrane 34kda) member 17	4	0	0	0				0	
solute carrier family 25 (mitochondrial carrier: glutamate) member 22	4	0		0				0	
solute carrier family 25 member 40	4	0	0	0					0
solute carrier family 25 member 42	4	0							0
solute carrier family 27 (fatty acid transporter) member 1	4	0					0	0	
solute carrier family 27 (fatty acid transporter) member 4	4							0	
solute carrier family 5 (choline transporter) member 7	4	0						0	0
solute carrier family member 33	4	0	0						
solute carrier family member 34	4	0	0						
solute carrier family member 43	4	0						0	
solute carrier family member 4-like	4	0		0			0		
solute carrier organic anion transporter family member 1c1-like	4		0			0			
sorting nexin 3	4	0	0					0	
sphingosine-1-phosphate phosphatase 1	4	0	0	0	0				
spindlin protein c	4	0				0	0	0	
splicing arginine serine-rich 8	4	0	0					0	

staphylococcal nuclease domain containing 1	4	0	0	0			
sterile alpha motif domain containing 9-like	4	0	0	0		0	
sterol carrier protein-2	4				0		0
stomatin -like 1	4	0	0	0	0		
storkhead box 2	4	0			0	0	
stromal interaction molecule 1	4	0	0	0		0	
subfamily member 2	4	0	0				
subfamily member 5	4	0		0		0	
succinate- gdp- alpha subunit	4	0	0			0	0
suppression of tumorigenicity 13 (colon carcinoma) (hsp70 interacting protein)	4	0			0	0	0
suppressor of fused homolog	4	0		0		0	0
sushi domain containing 2	4		0	0			
svil protein	4	0			0		
swi snf matrix actin dependent regulator of subfamily member 5	4	0					0
synaptogyrin 2	4	0		0		0	
synaptopodin 2-like	4	0					
synaptosomal-associated protein 25	4				0		0
synaptotagmin ii	4					0	0
syntaxin 12	4	0				0	0
syntaxin 5	4	0	0	0			
syntaxin-binding protein 3	4	0	0				0
taf3 protein	4	0		0		0	
taurine transporter	4	0				0	0
t-complex 1	4	0	0	0			0
t-complex protein 1 subunit beta	4		0		0		0
t-complex protein 11-like protein 2	4		0	0	0		0
tescalcin	4	0				0	0
testis enhanced gene transcript (bax inhibitor 1)	4	0	0	0			0
tetraspanin 17	4	0					
tetraspanin 8	4	0	0		0		0
tetratricopeptide repeat protein 9c	4	0	0	0		0	
thap domain apoptosis associated protein 2-like	4	0					
thap domain-containing protein 4	4	0		0			0
thioredoxin-like protein 4a	4	0		0		0	0
thiosulfate sulfurtransferase kat	4	0	0	0		0	
tho complex 2	4	0	0			0	0
tho complex 3	4		0		0		
thyroid hormone receptor interactor isoform cra_a	4	0	0			0	0
tissue specific transplantation antigen p35b	4	0		0		0	0
tkt protein	4	0			0		0
torsin family member b (torsin b)	4	0	0			0	0
trafficking protein particle complex 4	4	0		0		0	
transcription elongation factor a 3	4	0		0			
transcription factor cp2-like protein 1	4		0				
transcription factor dp-1	4	0	0				0
transcription factor iib	4	0	0	0		0	
transcription factor mitochondrial	4	0	0				
transcription initiation factor tfiid subunit 7	4	0	0	0		0	
translation initiation factor eif-2b subunit beta	4			0	0		0
translational activator gcn1	4				0	0	0
translocase of inner mitochondrial membrane 44 homolog	4	0					
translocase of inner mitochondrial membrane 8 homolog b	4	0	0	0		0	
transmembrane 9 superfamily member 2	4	0	0	0			0

transmembrane channel-like protein 7	4	0	0	0		0
transmembrane protein 11	4	0	0		0	
transmembrane protein 129	4	0		0		
transmembrane protein 131	4	0	0			
transmembrane protein 134	4	0		0	0	0
transmembrane protein 147	4	0	0	0	0	
transmembrane protein 165	4	0	0	0		0
transmembrane protein 177	4	0	0			
transmembrane protein 188	4	0	0	0	0	
transmembrane protein 198	4	0			0	
transmembrane protein 205	4	0		0		
transmembrane protein 208	4	0		0	0	0
transmembrane protein 32	4	0		0	0	0
transmembrane protein 41a	4	0	0			
transmembrane protein 53	4	0	0	0	0	
transmembrane protein 82	4		0			0
transmembrane protein 90b-like	4	0		0	0	0
transport protein sec61 subunit gamma	4	0		0	0	0
trimeric intracellular cation channel type a	4	0				
trm112-like protein	4	0	0	0	0	
trna (guanine-n -)-methyltransferase	4			0	0	
trna selenocysteine 1-associated protein 1-like	4			0	0	0
troponin t	4	0				
tryptophan-rich protein	4	0	0	0	0	
tubulin alpha-1a chain	4					0
tubulin-specific chaperone e	4			0		0
tumor necrosis factor receptor superfamily member 14 precursor	4	0	0	0		
tumor protein d52	4	0		0		0
twinfilin-1	4		0			0
type-iv antifreeze protein	4		0		0	
tyrosine recombinase-like	4	0		0		0
tyrosylprotein sulfotransferase 2	4		0			0
u4 small nuclear ribonucleoprotein 27 kda protein	4	0	0	0	0	
ubiquilin 4	4	0	0			0
ubiquinone biosynthesis protein coq7 homolog	4	0	0		0	
ubiquinone biosynthesis protein mitochondrial precursor	4	0	0		0	
ubiquitin specific peptidase 54	4	0				0
ubiquitin thioesterase otub2	4	0	0		0	0
ubiquitin-conjugating enzyme e2 e2	4	0	0		0	0
ubiquitin-protein ligase e3b	4	0	0		0	0
udp glucuronosyltransferase 5 family polypeptide b4	4		0			
udp-glucose dehydrogenase	4	0	0		0	
udp-n-acetylglucosamine--dolichyl-phosphate n-acetylglucosaminophosphotransferase	4	0	0	0		
uncharacterized peroxidase-related enzyme	4	0	0	0		0
uncharacterized protein c10orf71-like	4	0				
uncharacterized protein kiaa1107-like	4		0		0	
uncharacterized protein kiaa1704-like	4	0	0	0		0
uncharacterized protein loc535121 isoform 4	4					0
uncharacterized protein mitochondrial-like	4		0	0		
upf0139 membrane protein c19orf56 homolog	4	0	0	0	0	
upf0480 protein c15orf24 homolog	4					0
upf0493 protein kiaa1632-like	4	0				
upf0510 protein inm02-like	4			0		0
upf0697 protein c8orf40 homolog	4			0		0

uridine-cytidine kinase 1-like 1	4	0				0		
urocanase domain containing 1	4		0	0				
vacuolar protein sorting 35	4	0	0	0				
vacuolar protein sorting-associated protein 18 homolog	4		0					0
vacuolar protein sorting-associated protein 28 homolog	4	0	0	0			0	
vacuolar protein-sorting-associated protein 25	4	0		0	0	0		
vacuolar protein-sorting-associated protein 36	4		0	0		0		
valyl-trna synthetase	4	0		0			0	
v-erb-a erythroblastic leukemia viral oncogene homolog 4	4	0	0				0	
vesicle-associated membrane protein-associated protein a	4	0	0	0			0	
vimentin	4					0		0
vinculin isoform 1	4	0						
vitamin k epoxide reductase subunit 1-like 1	4	0		0			0	0
voltage-dependent l-type ca channel alpha 1 subunit	4	0						
von willebrand factor a domain containing 5a-like	4	0		0		0		
von willebrand factor a domain-containing protein 5a-like	4		0					0
v-type proton atpase subunit c 1	4					0		0
v-type proton atpase subunit s1-like	4				0		0	0
wd repeat domain 43	4	0	0	0				
wd repeat domain 5	4	0	0				0	0
zgc:158463 protein	4	0		0		0		0
zinc finger homeobox protein 3-like	4						0	
zinc finger mym-type protein 1-like	4				0		0	
zinc finger protein 106 homolog	4	0						
zinc finger protein 277	4	0		0		0	0	
zinc finger protein 593	4	0	0	0				0
zinc finger protein c3h type-like 1	4	0	0	0				
zinc finger protein mym-type	4	0				0	0	
zinc finger protein zic 1	4							0
zp3b protein	4	0			0			
zpc domain containing protein 1	4				0			
10-formyltetrahydrofolate dehydrogenase	3	0	0					
2-cyclic-nucleotide 3-phosphodiesterase-like	3							0
26s protease regulatory subunit 6b	3		0				0	0
26s proteasome non-atpase regulatory subunit 7	3		0		0	0		
2-acylglycerol o-acyltransferase 1	3	0		0				
2-acylglycerol o-acyltransferase 2	3				0			
2-c-methyl-d-erythritol 4-phosphate cytidyltransferase-like protein	3	0				0		
2-oxoisovalerate dehydrogenase subunit mitochondrial-like	3				0			0
2-peptidylprolyl isomerase a	3			0	0			0
3-5 exoribonuclease csl4 homolog	3	0		0			0	
3-phosphoadenosine 5-phosphosulfate synthase 2	3	0		0				0
3-hydroxyisobutyrate dehydrogenase	3	0	0					
3-mercaptopyruvate sulfurtransferase	3		0					0
40s ribosomal protein s15	3				0		0	0
40s ribosomal protein s17	3		0		0			0
40s ribosomal protein s30	3			0		0	0	
40s ribosomal protein s5	3		0		0			
40s ribosomal protein s6	3				0			0

5 -nucleotidase domain containing 3	3	0						
55 kda erythrocyte membrane protein	3	0	0	0				
5-aminolevulinate mitochondrial	3				0			0
5-hydroxyisourate hydrolase	3		0	0				
60s ribosomal protein l13a	3				0			0
60s ribosomal protein l18a	3		0			0		0
60s ribosomal protein l28	3				0			0
60s ribosomal protein l4-a	3				0			
78 kda glucose-regulated protein precursor	3	0		0		0		
7-dehydrocholesterol reductase	3	0						0
a chain structures of glycogen phosphorylase-inhibitor complexes and the implications for structure-based drug design	3	0	0			0		
a kinase anchor protein 1	3	0				0	0	
abhydrolase domain containing 10	3	0	0	0				
abhydrolase domain containing 14a	3	0		0		0		
abhydrolase domain containing 2	3	0				0		
abl interactor 1	3					0	0	
absent in melanoma 1	3		0	0		0		
ac9 transposase	3	0				0	0	
acetylcholine receptor gamma subunit	3	0						
acid ceramidase-like	3				0			0
acidic coiled-coil containing protein 3	3	0	0			0		
aconitase mitochondrial	3	0				0		
actin binding 1c	3		0			0	0	
actin-binding lim protein 2-like	3	0				0		
actinin alpha 2	3	0					0	
actin-related protein 2 3 complex subunit 2	3	0						0
actin-related protein 3	3	0	0					
activating signal cointegrator 1 complex subunit 1	3			0				0
acyl- synthetase family member mitochondrial precursor	3	0	0	0				
acyl- synthetase long-chain family member 3	3			0		0	0	
acyl- thioesterase 11	3	0	0					
acylglycerol kinase	3	0				0		0
adenosine deaminase-like protein	3	0		0		0		
adenosine monophosphate deaminase 1 (isoform m)	3	0						
adenosylhomocysteinase 3	3	0	0					
adenylate cyclase type 9	3	0				0	0	
adenylate kinase 1	3	0				0		0
adenylate kinase 2	3		0	0		0		
adiponectin receptor 1	3	0	0	0				
adipose triglyceride lipase	3		0					
adp-ribosylation factor 4	3			0		0		0
adp-ribosylation factor gtpase activating protein 1	3	0		0		0		
adp-ribosylation factor gtpase activating protein 3	3	0	0	0				
adp-ribosylation factor interacting protein 1	3	0		0				
a-kinase anchor protein sphkap	3					0		0
akt-interacting protein	3	0	0					
alanine racemase domain protein	3	0		0		0		
alanine-glyoxylate aminotransferase 2-like 2	3	0		0				
alcohol dehydrogenase 5 (class iii) chi polypeptide	3	0	0					
aldh2	3			0	0			
aldo-keto reductase	3	0						0
alkaline ceramidase 2	3	0						

allantoinase	3		0	0	0			
allograft inflammatory factor 1-like	3	0			0			
all-trans-retinol -reductase-like	3				0			0
alpha-parvin	3	0	0			0		
alpha 2 (congenital muscular dystrophy)	3	0				0		
alpha-sialyltransferase st3gal iii	3	0	0					
alpha-aminoadipic semialdehyde dehydrogenase	3		0		0	0		
alpha-fetoprotein enhancer-binding protein (at motif-binding factor) (at-binding transcription factor 1)	3	0					0	
alpha-l- tissue	3	0	0			0		
aminoacyl trna synthase complex-interacting multifunctional protein 1	3	0	0	0				
aminoacyl trna synthetase complex-interacting multifunctional protein 2	3	0		0		0		
aminoadipate-semialdehyde synthase	3	0	0	0				
aminoglycoside phosphotransferase domain-containing protein 1	3	0			0	0		
aminopeptidase n	3	0				0		
aminophospholipid transporter class type member 1-like	3			0			0	
amyloid beta precursor protein (cytoplasmic tail) binding protein 2	3	0						
amyloid beta precursor-like protein 1	3	0				0	0	
amyloid beta precursor-like protein 2	3					0	0	0
anamorsin	3		0	0				0
anaphase promoting complex subunit 10	3	0	0			0		
anaphase promoting complex subunit 11	3			0		0		
anaphase-promoting complex subunit 13	3	0	0			0		
angio-associated migratory cell protein	3	0	0					0
ankyrin repeat and btb domain containing 1	3	0		0		0		
ankyrin repeat domain 27 (vps9 domain)	3	0				0		
ankyrin repeat domain 39	3	0						
annexin a6	3	0	0					
anthrax toxin receptor 2	3	0	0					
ap-1 complex subunit beta-1	3	0	0					
ap-1 complex subunit beta-1 isoform 2	3			0			0	0
ap2-associated protein kinase 1-like	3					0	0	
apolipoprotein b-like protein	3		0		0			
apolipoprotein d-like	3				0			
apolipoprotein f	3		0					
apoptosis-inducing factor mitochondrial	3	0	0					
apurinic apyrimidinic endonuclease 2	3	0	0					
arginine- mutated in early stage tumors	3	0	0	0				
arginine serine-rich coiled-coil protein 2	3	0	0					0
arginine-rich mutated in early stage tumors	3	0		0				
argininosuccinate lyase	3				0	0		0
argininosuccinate synthase	3	0	0				0	
argininosuccinate synthetase 1	3					0		0
arginyl trna anticodon binding	3	0						
arylamine n- pineal gland isozyme nat-10	3	0		0				
asb12 protein	3	0		0				0
aspartate beta-hydroxylase	3	0	0					
astacin-like metalloprotease	3				0			
astrotactin 1	3	0				0		
ataxin-1 ubiquitin-like interacting protein	3	0	0					0
atp synthase mitochondrial fl complex assembly factor 2	3	0	0			0		
atp synthase subunit s-like	3	0		0	0			

atp-binding cassette sub-family a member 1-like	3	0			0		
atp-binding cassette sub-family g member 8	3	0	0				
atp-binding sub-family f member 1	3	0	0			0	
atp-binding sub-family f member 2	3	0	0			0	
atp-dependent rna helicase ddx19b	3			0	0		
atp-dependent rna helicase ddx51	3					0	0
aurora kinase a-interacting protein	3	0	0		0		
autophagy related 16 like 2-like	3	0					
autophagy-related protein 2 homolog a	3					0	
basigin (ok blood group)	3			0		0	0
bat2 domain containing 1	3	0				0	
bax inhibitor 1	3				0		0
bbsome-interacting protein of 10 kda-like	3	0		0		0	
bcl2 adenovirus e1b 19kda interacting protein 2	3	0	0	0			
bcl2-like 14 (apoptosis facilitator)	3	0	0	0			
beclin 1	3	0		0		0	
beta-ala-his dipeptidase	3	0					0
beta-catenin-like protein 1	3	0	0				0
beta-glucuronidase precursor	3	0	0	0			
betaine-homocysteine methyltransferase	3		0	0		0	
beta-site app-cleaving enzyme 1	3	0				0	
beta-thymosin domain repeat protein	3				0		
csp24kda_v1	3				0		
bh3 interacting domain death agonist	3	0			0		0
biogenesis of lysosome-related organelles complex-1 subunit 3	3	0		0		0	
bloom syndrome helicase	3	0	0				0
br serine threonine-protein kinase	3				0		
brain-specific angiogenesis inhibitor 3	3					0	0
branched chain keto acid dehydrogenase alpha polypeptide	3	0	0				
branched chain ketoacid dehydrogenase kinase	3	0	0				
brevican	3	0				0	0
bromodomain adjacent to zinc finger 1b	3	0					
bromodomain containing 9	3	0	0				
bromodomain-containing protein 2 precursor	3					0	0
btb poz domain-containing protein kctd6-like	3				0		
btg3 associated nuclear protein	3	0	0				
btla protein	3	0					
c21orf59 homolog (sapiens) like	3	0		0			
c2orf76 protein	3	0	0			0	
c5orf44 protein	3	0		0		0	
c6orf64 homolog	3	0		0		0	
ca2+-dependent secretion activator-like	3					0	0
cadherin-related neuronal receptor c02	3	0				0	0
calcineurin b	3					0	0
calcium binding protein 39-like	3	0				0	0
calcium release-activated calcium channel protein 1	3	0					0
calcium voltage- alpha 2 delta subunit 1	3	0					
calcium voltage- p q alpha 1a isoform cra_a	3					0	0
calcium-binding mitochondrial carrier protein s -1	3	0					0
calcium-binding protein 1-like	3				0		0
calcyclin binding protein	3	0		0			0
calmodulin binding transcription activator 1	3					0	0
camp-dependent protein kinase catalytic subunit alpha	3	0	0				0

camp-dependent protein kinase type i-alpha regulatory subunit	3	0	0						
cancer associated nucleoprotein	3	0							
cannabinoid receptor 1	3	0					0		
caprin2 protein	3					0			
cardiac troponin i	3	0							
cardiolipin synthase 1	3	0	0						
carnitine palmitoyltransferase ii	3	0	0	0					
cartilage intermediate layer nucleotide pyrophosphohydrolase	3	0					0		
cas1 domain containing 1	3				0			0	0
casein kinase alpha prime polypeptide	3	0	0						0
caspase b	3	0	0			0			
caspase-3 precursor	3	0	0						
catalase	3	0	0			0			
catenin alpha-1	3	0							
cathepsin k	3	0					0		0
cathepsin s precursor	3					0			
cathepsin z	3	0		0					0
cbp p300-interacting transactivator 2	3						0	0	0
ccr4-not transcription complex subunit 1-like	3			0				0	
ccr4-not transcription subunit 6	3	0						0	
cdc28 protein kinase regulatory subunit 1b	3	0	0						
cdc5 cell division cycle 5-like (pombe)	3	0	0						
cdc-like kinase 2	3	0							
cdgsh iron sulfur domain 3	3	0	0	0					
cell cycle control protein 50a	3			0				0	
cell cycle regulator mat89bb homolog	3	0	0						
cell division control protein 2 homolog	3	0	0						0
cell division cycle 42	3	0			0				0
cell division cycle paf1 rna polymerase ii complex homolog (cerevisiae)	3	0	0	0					
cell division cycle protein 16 homolog	3	0				0			0
cell surface protein precursor	3					0			0
cellular retinoic acid-binding protein 1	3	0					0		0
cerebellin 2	3						0	0	0
cg32095 cg32095-pa	3	0					0		0
chaperonin containing subunit 8	3	0	0						0
charged multivesicular body protein 4c	3					0	0		
chemokine ccl-c11b	3	0					0	0	
choline kinase alpha	3			0	0				0
cholinergic beta 1	3	0							
chondroitin sulfate proteoglycan 4	3	0							
chromatin modification-related protein meaf6	3	0					0		0
chromatin modifying protein 4b	3	0			0		0		
chromosome 1 open reading frame 128	3	0					0		0
chromosome 1 open reading frame 43	3	0							0
chromosome 16 open reading frame isoform cra_a	3	0			0				
chromosome 19 open reading frame 43	3	0			0		0		
chromosome 3 open reading frame isoform cra_b	3								0
chromosome 6 open reading frame 57	3	0	0				0		
chromosome 7 open reading frame 30	3	0			0				0
chromosome 7 open reading frame 38	3	0							0
chymotrypsinogen 2	3			0					
citrate synthase	3	0	0						
claudin 4	3					0		0	
cleavage and polyadenylation specificity factor subunit 4-like isoform 1	3					0			

cleft lip and palate transmembrane protein 1 homolog	3			0		0
cleft lip and palate transmembrane protein 1-like protein	3	0	0	0		
coagulation factor x precursor	3					0
coagulation factor xi precursor	3		0		0	
coatomer subunit delta	3	0		0	0	
coenzyme a synthase	3	0	0	0		
cofilin 2	3	0	0			
coiled-coil domain containing 106	3	0				
coiled-coil domain containing 19	3		0			0
coiled-coil domain containing 23	3	0		0		0
coiled-coil domain containing 28a	3	0		0	0	
coiled-coil domain containing 32	3	0	0			0
coiled-coil domain containing 47	3	0	0	0		
coiled-coil domain containing 53	3	0	0			
coiled-coil domain containing 94	3	0	0			
coiled-coil domain-containing protein 12	3	0	0		0	
coiled-coil domain-containing protein 152-partial	3				0	0
coiled-coil domain-containing protein 22	3	0	0		0	
coiled-coil domain-containing protein 93	3	0	0		0	
coiled-coil-helix-coiled-coil-helix domain containing 1	3		0	0	0	
coiled-coil-helix-coiled-coil-helix domain-containing protein 7	3	0		0		0
coiled-coil-helix-coiled-coil-helix domain-containing protein 8	3	0			0	0
coiled-coil-helix-coiled-coil-helix domain-containing protein mitochondrial	3				0	0
collagen alpha-6 chain-like	3	0				
collagenase 3 precursor	3	0	0	0		
comm domain-containing protein 3	3	0		0		0
comm domain-containing protein 8	3				0	0
complement component 4a (rodgers blood group)	3	0			0	
complement component beta polypeptide	3		0	0		
complement component c7	3	0	0		0	
complement factor h-related 2	3		0			
component of oligomeric golgi complex 6	3	0		0	0	
condensin complex subunit 1	3				0	0
connector enhancer of kinase suppressor of ras 1	3	0	0			
cop9 signalosome complex subunit 1	3	0	0	0		
cop9 signalosome complex subunit 4	3	0		0		
cop9 signalosome complex subunit 7a	3		0			0
copine family member ix	3					0
copine i	3	0				0
cornichon homolog	3		0			0
cr054 protein	3	0				0
ctd small phosphatase-like protein	3	0				
c-type lysozyme	3				0	
c-type superfamily member 14	3		0	0		
cub and sushi domain-containing protein 3 isoform 3	3	0				0
cub and sushi multiple domains 3	3					0
cugbp elav-like family member 4-like	3					0
cullin 1	3	0	0			
cullin 1a	3		0	0		0
cullin 3 isoform 1	3	0		0		0

c-x-c motif chemokine 14 precursor	3							0
cyclic amp-dependent transcription factor atf-5	3	0						0
cyclin-dependent kinase 10	3	0						0
cyclin-dependent kinase 7	3	0	0	0				
cyclin-h	3			0	0			0
cysteine dioxygenase	3		0		0			
cysteine-rich hydrophobic domain 2	3	0	0					
cysteinyl-trna synthetase	3	0		0				
cytochrome b reductase 1	3	0					0	0
cytochrome c oxidase subunit mitochondrial-like	3				0			0
cytochrome c oxidase subunit va	3				0			
cytochrome c oxidase subunit viia polypeptide 2 like	3	0		0				0
cytochrome c oxidase subunit viia-related mitochondrial precursor	3	0	0			0		
cytochrome p450 27c1-like	3				0			0
cytoglobin	3			0	0			0
cytohesin 1	3	0	0					
cytoplasmic aconitate hydratase	3	0	0					
cytoplasmic dynein 1 intermediate chain 2	3	0	0					
cytoplasmic polyadenylation element binding protein 4	3	0					0	
cytosol aminopeptidase	3		0	0		0		
cytosolic carboxypeptidase 4	3	0						
cytosolic fe-s cluster assembly factor narfl	3	0	0					0
d-amino-acid oxidase	3	0	0	0				
daz associated protein 2	3		0				0	0
ddhd domain containing 2	3	0					0	
ddx5 protein	3	0	0				0	
dead (asp-glu-ala-asp) box polypeptide 18	3	0	0	0				
dead (asp-glu-ala-asp) box polypeptide 23	3		0	0		0		
dead (asp-glu-ala-asp) box polypeptide 49	3	0				0	0	
dead-box protein	3	0						0
deah (asp-glu-ala-his) box polypeptide 37	3	0		0				
deah (asp-glu-ala-his) box polypeptide 8	3	0	0					
dehydrogenase reductase (sdr family) member 7c	3	0						
dehydrogenase reductase sdr family member 11 precursor	3	0	0					0
deleted in bladder cancer 1	3					0		0
deleted in liver cancer 1	3	0					0	
delta-6 fatty acyl desaturase	3		0			0		0
deltex 3-like	3	0		0				
denn madd domain containing 2d	3	0	0					
dentin sialophosphoprotein precursor	3	0				0	0	
deoxynucleotidyltransferase terminal-interacting protein 2	3					0		
deoxyribonuclease ii beta	3	0		0				
det1- and ddb1-associated protein 1	3	0	0	0				
developmentally regulated gtp binding protein 2	3	0		0				
developmentally-regulated gtp-binding protein 1	3					0		
differentially expressed in fdcp 8 homolog	3	0						0
dihydropyrimidinase-related protein 3	3	0						
dihydropyrimidine dehydrogenase	3		0	0				
di-n-acetylchitobiase precursor	3	0				0		
diphthamide biosynthesis protein 2	3	0						

disabled homolog 2 interacting protein	3					0		
discoidin domain receptor member 2	3	0						
disintegrin metalloproteinase	3	0		0				
dna ligase 3	3		0					0
dna polymerase beta	3	0	0				0	
dna polymerase delta subunit 3	3	0			0	0		
dna replication licensing factor mcm3	3	0				0		
dna-binding protein	3		0			0		
dna-damage inducible protein 2	3	0		0			0	
dna-damage-inducible transcript 3	3	0	0					
dna-damage-inducible transcript 4-like	3					0		0
dna-directed rna polymerase iii subunit rpc10	3	0		0	0			
dna-directed rna polymerase iii subunit rpc4	3	0	0					
dna-directed rna polymerase subunit rpabc1	3	0		0			0	
dna-directed rna polymerases and iii subunit rpabc3	3	0		0			0	
dna-directed rna polymerases i and iii subunit rpac2	3	0	0		0			
dnase domain containing 3	3	0					0	
dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kda subunit precursor	3	0				0	0	
dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 precursor	3						0	0
dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 4	3	0		0			0	
domain containing 2	3	0				0		
doublecortin domain-containing protein 2	3					0		
down syndrome critical region protein 3	3	0		0				0
drebrin-like protein	3	0	0	0				
dual specificity phosphatase 26	3	0					0	
dual specificity phosphatase and pro isomerase domain containing 1	3	0						
dual specificity protein phosphatase cdc14a	3	0					0	
dual-specificity tyrosine- -phosphorylation regulated kinase 1a	3	0					0	0
dynactin subunit 1	3	0	0					
dynein heavy chain	3	0				0	0	
dynein light chain roadblock-type 1	3		0	0				0
dystonin isoform 2	3		0	0			0	
dystrobrevin binding protein 1	3	0						0
e2f transcription factor 3	3	0						
e3 ubiquitin isg15 ligase trim25-like	3	0	0	0				
e3 ubiquitin-protein ligase listerin	3							0
e3 ubiquitin-protein ligase march2	3	0	0					
ectonucleotide pyrophosphatase phosphodiesterase family member 3	3		0			0		
eef1a2 binding	3	0						
ef-hand calcium binding protein	3				0		0	0
ef-hand domain member a1	3	0	0				0	
egl nine homolog 1	3	0			0		0	
eh domain-binding protein 1-like protein 1	3	0						
eh domain-binding protein 1-like protein 1-like	3	0						
eh-domain containing 2	3	0	0					
elastase 1 precursor	3		0					
elastase 2 like	3	0	0				0	
elastin a	3	0						
elav-like protein 3-like	3						0	0
electrogenic sodium bicarbonate cotransporter 1	3						0	0

electron-transfer- alpha polypeptide	3			0		0
elegans protein partially confirmed by transcript evidence	3	0				
elongation factor 1-alpha 1-like isoform 3	3				0	0 0
elongation factor tu gtp binding domain containing 2	3	0		0	0	
elongation rna polymerase 2	3	0		0		
ena vasp-like protein	3	0				0 0
endothelin b receptor-like protein 2 precursor	3					0 0
ensangp00000010363	3				0	0 0
eorge syndrome critical region gene 2	3	0		0		0
eorge syndrome critical region gene 8	3		0			0
epsilon-sarcoglycan isoform 3	3	0			0	0
er lipid raft associated 1	3	0	0			
erythrocyte band 7 integral membrane protein	3	0	0	0		
estrogen receptor binding site 9	3	0			0	0
eukaryotic initiation factor 4a-ii	3				0	0
eukaryotic peptide chain release factor subunit 1	3	0		0		
eukaryotic translation elongation factor 1 alpha oocyte form	3				0	
eukaryotic translation initiation factor 2 alpha kinase 4	3	0	0			
eukaryotic translation initiation factor 2-alpha kinase 3	3	0				
eukaryotic translation initiation factor 5a-1	3	0	0			0
eukaryotic translation initiation factor subunit 1 alpha	3	0		0		
exocyst complex component 1 isoform 1	3	0	0			0
exosome component 8	3	0		0	0	
exportin 1 (crm1 yeast)	3	0				
eya1 protein	3	0				
eyes absent homolog 1	3	0				
fat tumor suppressor homolog 1	3		0			0
f-box protein 2	3	0			0	0
fgfr1 oncogene partner 2	3	0	0			0
fibroblast growth factor receptor 1 iiic vt-isoform	3	0	0	0		
fibroblast growth factor receptor 2	3		0			0
fibronectin type iii domain containing 1	3	0				
fin bud initiation factor homolog	3	0		0	0	
fk506 binding protein 12-rapamycin associated protein 1	3	0			0	0
fk506 binding protein 22 kda	3	0		0		
fk506-binding protein	3		0		0	0
fkbp9 protein	3	0			0	
flj00022 protein	3		0	0		0
fn1 protein	3				0	0
foie gras	3	0		0		
frataxin	3	0			0	0
friend leukemia integration 1 transcription factor	3	0				0
fumarylacetoacetate hydrolase	3		0			
fumarylacetoacetate hydrolase domain-containing protein 1	3	0	0	0		
g protein pathway suppressor 2	3		0			
g protein-coupled receptor 137b	3	0				0
g protein-coupled receptor 146	3	0				0 0
g protein-coupled receptor 155	3		0			
g protein-coupled receptor 89a	3	0		0	0	

gag-like protein	3	0	0	0	0	0	0
galactoside- 3 binding protein	3		0		0		
galactoside- soluble isoform cra_a	3						0
galectin-9	3	0	0	0			0
gametogenetin binding protein 2	3	0	0				
gamma 1	3	0					0
gamma-aminobutyric acid receptor subunit beta-3-like	3				0		
gamma-soluble nsf attachment protein	3						0
ganab protein	3		0			0	0
gap junction beta-1 protein	3					0	0
gats-like protein 3	3	0					0
gc-rich sequence dna-binding factor 1	3				0		0
gdp-mannose -dehydratase	3	0				0	
gdp-mannose pyrophosphorylase isoform cra_a	3		0	0		0	
glia maturation factor beta	3	0	0	0			0
glia-derived nexin precursor	3	0			0		0
glial fibrillary acidic protein	3	0				0	0
glioma tumor suppressor candidate region gene 2 protein	3	0	0			0	
gliomedin	3	0					0
glucocorticoid induced transcript 1	3			0		0	
glucokinase	3		0	0			
glucosamine-6-phosphate deaminase 1	3	0				0	0
glucosamine-phosphate n-acetyltransferase 1	3	0	0	0			
glucose-6-phosphatase	3		0	0			
glutamate ampa 3	3						0
glutamate ampa 4	3					0	0
glutamate delta 1	3					0	0
glutamate n-methyl d-aspartate-associated protein 1 (glutamate binding)	3	0					0
glutamate receptor u1 precursor	3					0	0
glutamate-rich wd repeat containing 1	3	0	0	0			
glutamyl-prolyl-trna synthetase	3	0	0	0			
glutaredoxin 2	3	0				0	0
glutaredoxin-related protein 5	3	0	0	0			
glycogen synthase 2	3		0				
glycolipid transfer protein	3	0	0	0			
glycylpeptide n-tetradecanoyltransferase 1	3	0			0		0
gmp synthase	3	0					0
gnl3 protein	3		0	0			
golgi apparatus protein 1	3			0		0	0
golgi snap receptor complex member 2	3	0		0		0	
gpi mannosyltransferase 3	3	0	0	0			
gpn-loop gtpase 1	3	0					0
gpn-loop gtpase 2	3	0		0		0	
grancalcin	3	0					0
grb2-associated binding protein 1	3	0					0
g-rich rna sequence binding factor 1	3	0	0				0
grnb protein	3	0		0			0
group xiiia secretory phospholipase a2 precursor	3	0		0		0	
growth arrest and dna-damage- alpha	3	0		0			
growth hormone-regulated tbc protein 1-like	3				0		
growth inhibition and differentiation related protein 86	3	0		0			0
gtp-binding protein 8	3	0		0			0
gtp-binding protein gufl homolog	3	0	0				

guanine nucleotide binding protein (g protein) alpha activating activity olfactory type	3	0			0	0	
guanine nucleotide-binding 3-like	3			0			0
guanine nucleotide-binding protein g g g subunit gamma-2-like	3			0			0
guanine nucleotide-binding protein g g g subunit gamma-3-like	3						0
guanine nucleotide-binding protein g subunit alpha-1-like	3	0					
guanine nucleotide-binding protein g subunit alpha-like	3			0			0
guanosine monophosphate reductase 2	3		0		0	0	
h+ lysosomal v0 subunit a2	3	0					0
h+ lysosomal v0 subunit d1	3	0	0				
h+ lysosomal v1 subunit b2	3	0	0			0	
h+ lysosomal v1 subunit c1	3	0	0				
haptoglobin precursor	3			0			
haus augmin-like complex subunit 1-like	3			0			
haus augmin-like complex subunit 6-like	3			0			
heat shock 70 kda protein 14	3			0	0		
heat shock cognate 70 kda protein	3			0		0	
heat shock protein 47	3	0			0		
heat shock protein beta-1	3		0		0		0
heavy chain non-muscle	3	0	0				
helicase mov-10	3			0	0		0
helicase with zinc finger	3			0		0	0
helicase with zinc finger domain	3	0		0			
heme oxygenase 1	3	0	0	0			
hemoglobin beta chain	3	0			0	0	
hemoglobin subunit beta-2	3	0	0		0		
hemolytic toxin	3	0					
heparan sulfate glucosamine 3-o-sulfotransferase 1-like	3					0	0
heparan-alpha-glucosaminide n-acetyltransferase-like	3	0	0				
heparin cofactor ii	3		0	0	0		
hepatic leukemia factor- partial	3	0		0		0	
hepatocyte growth factor-like protein	3		0	0			
hepatocyte nuclear factor 1-alpha	3		0	0			
hepatoma-derived growth factor-related protein 2	3	0	0				
hephaestin-like 1	3	0				0	
hermansky-pudlak syndrome 5	3		0		0		
heterogeneous nuclear ribonucleoprotein a b	3						0
heterogeneous nuclear ribonucleoprotein m	3	0	0				0
heterogeneous nuclear ribonucleoprotein q	3	0				0	0
hexosaminidase a	3	0		0			
high choriolytic enzyme 1 precursor	3	0	0				
high-mobility group 20b	3	0		0		0	
histocompatibility 13	3		0	0	0		
histone h2a-like	3		0		0		0
histone-lysine n-methyltransferase ezh1-like	3	0				0	0
homeobox protein 9aa	3	0					
homeodomain interacting protein kinase 1	3					0	
homolog 3 (coli)	3	0					
hsp70-binding protein 1	3	0					0
hspc020 homolog	3	0		0			0
huntingtin	3	0				0	
hyaluronan and proteoglycan link protein 1 precursor	3	0					0

hydroxyacylglutathione hydrolase	3	0	0	0					
hydroxyacylglutathione mitochondrial-like	3				0				
hydroxy-delta-5-steroid 3 beta- and steroid delta-isomerase 7	3	0	0	0					
hydroxysteroid (17-beta) dehydrogenase 4	3		0	0					
hydroxysteroid dehydrogenase-like protein 2	3	0	0						
hypoxanthine phosphoribosyltransferase 1	3	0				0			
immediate early response 2	3	0	0		0				
immediate early response 3-interacting protein 1-like	3				0				0
immune-lectin-like receptor 3	3	0							0
immunoglobulin member 3	3			0		0	0		
immunoglobulin member 9b	3			0		0			
importin 4	3	0		0		0			
influenza virus ns1a binding protein	3	0				0			
inhibitor of dna binding dominant negative helix-loop-helix protein	3		0			0	0		
inosine triphosphate pyrophosphatase	3	0				0		0	
inositol -pentakisphosphate 2-kinase	3	0		0		0			
inositol polyphosphate 5-phosphatase ocr1-1	3	0						0	
inositol-3-phosphate synthase 1	3	0							0
inositol-3-phosphate synthase 1-b-like	3								0
insulin-induced gene 2 protein	3	0							0
insulin-like growth factor binding protein 1	3		0	0					
integral membrane protein 2a	3			0					0
integrator complex subunit 8	3	0				0			
inter-alpha inhibitor h4	3		0						
interferon induced with helicase c domain 1	3			0					
interferon regulatory factor 6	3		0	0					
interferon-induced helicase c domain-containing protein 1	3	0				0			
interferon-induced protein 35	3	0	0	0					
interleukin 8	3	0		0					
intracellular hyaluronan-binding protein 4	3				0				
iron zinc purple acid phosphatase-like	3	0		0				0	
iron-responsive element binding protein 2	3	0	0	0					
iron-responsive element-binding protein 2	3					0			
isoleucyl-trna synthetase	3	0		0	0				
isovaleryl coenzyme a dehydrogenase	3	0	0			0			
janus kinase 2	3	0					0		
jumonji domain containing 2a	3	0					0		
jumonji domain containing 4	3	0		0				0	
junction plakoglobin	3	0	0	0					
junctional adhesion molecule 3	3	0							
kaptin (actin binding protein)	3	0	0						
kdel (lys-asp-glu-leu) endoplasmic reticulum protein retention receptor 3	3	0							0
kiaa0232 gene product	3	0							
kiaa0907 protein	3	0	0				0		
kiaa1872 protein	3					0		0	
kinase d-interacting substrate of 220 kda	3					0	0	0	
kinesin family member 3a	3	0						0	
kininogen 1	3		0	0					
kruppel-like factor 12	3		0				0	0	
ks5 protein	3		0	0					
kynureninase (1-kynurenine hydrolase)	3		0	0					
kynurenine 3-monooxygenase	3	0	0	0					
kynurenine--oxoglutarate transaminase 3	3	0	0			0			
kynurenine--oxoglutarate transaminase 3-like	3					0	0		
l antigen member 3	3	0	0				0		

11 cell adhesion molecule	3	0			0	0	
la ribonucleoprotein domain member 1	3	0		0			
lactation elevated 1	3	0			0	0	
l-aspartate dehydrogenase	3		0	0			0
latrophilin 2	3				0		
leiomodlin 2	3	0					
leiomodlin 3	3	0					
letm1 domain-containing protein 1	3	0	0				
leucine carboxyl methyltransferase 1	3	0			0		
leucine rich repeat containing 15	3		0	0	0		
leucine rich repeat containing 4b	3					0	
leucine rich repeat containing 8 member d	3	0	0				
leucine-rich alpha-2-glycoprotein 1	3		0	0			
leucine-rich repeat-containing protein 14-like	3	0					
leucine-rich repeat-containing protein 3b-like	3				0		0
leucine-rich repeat-containing protein 40	3			0			0
leukocyte surface antigen cd53	3	0		0	0		
lim and senescent cell antigen-like domains 1	3		0				0
lim and sh3 protein 1	3	0		0		0	
lim domain containing isoform cra_a	3	0			0	0	
lim homeobox protein lhx8	3				0		
lipid phosphate phosphohydrolase 1	3	0					0
lipoic acid synthetase	3	0	0	0			
liver-type fatty acid-binding protein	3		0				
loc100003370 protein	3				0		
loc398481 protein	3			0		0	0
loc446287 protein	3		0	0			
loc496093 protein	3	0	0	0			
loc548392 protein	3	0	0	0			
loc553275 protein	3	0		0	0		
loc553334 protein	3		0		0		0
loc562123 protein	3	0			0		
loc569167 protein	3	0			0		0
loc795096 protein	3	0					
long-chain-fatty-acid-- ligase acsbg2	3	0	0				
low affinity cationic amino acid transporter 2-like	3	0			0		
low density lipoprotein receptor	3		0	0			
low density lipoprotein receptor adaptor protein 1	3	0	0				
low quality protein: zinc finger homeobox protein 4-like	3	0				0	
lrr and pyd domains-containing protein 3-like	3					0	0
l-threonine dehydrogenase	3	0	0	0			
lupus la protein homolog b	3	0	0				
lymphocyte antigen 75	3	0					
lymphoid-specific	3	0					
lysine-specific demethylase 3b	3		0			0	
lysine-specific demethylase no66	3	0					0
lysosomal membrane glycoprotein 2	3	0		0			0
lysosomal-associated transmembrane protein 4b	3				0	0	0
macro domain containing 2	3					0	0
mad2 mitotic arrest deficient-like 2	3	0	0		0		
mads box transcription enhancer factor polypeptide c (myocyte enhancer factor 2c)	3	0					
major facilitator superfamily domain containing 5	3	0			0	0	
major facilitator superfamily domain-containing protein 10	3	0					0

major histocompatibility class i receptor	3			0		0	0
maleylacetoacetate isomerase	3	0	0	0			
mannose c type 2	3	0				0	
mannose-6-phosphate isomerase	3					0	0
mannose-6-phosphate receptor binding protein 1	3	0	0	0			
mannosyl-oligosaccharide glucosidase	3	0	0	0			
map kinase-interacting serine threonine kinase 2	3	0	0				
map7 domain containing 1-like	3	0					
math (meprin-associated traf homology) domain containing family member (math-33)-like	3	0		0			
matrix gla protein	3	0	0				0
matrix metalloproteinase 2	3	0				0	
matrix metalloproteinase-2	3			0			0
mediator of rna polymerase ii transcription subunit 10	3	0				0	0
mediator of rna polymerase ii transcription subunit 29	3		0		0		
mediator of rna polymerase ii transcription subunit 7	3	0		0			
megakaryoblastic leukemia 1	3	0					0
membrane protein	3				0		0
membrane-spanning 4- subfamily member	3	0		0			
membrane-type matrix metalloproteinase	3	0		0		0	
meq protein	3						0
methionine sulfoxide reductase b3	3	0	0	0			
methionyl aminopeptidase 2	3	0		0			0
methylenetetrahydrofolate dehydrogenase (nadp+ dependent) methenyltetrahydrofolate cyclohydrolase	3	0		0		0	
methylmalonyl coenzyme a mutase	3	0				0	
methyltransferase like 7a	3	0	0				0
methyltransferase-like protein 10	3	0		0			
methyltransferase-like protein 5	3	0				0	
mgc821 l2 protein	3						0
mhc class ii antigen alpha chain	3			0			
microtubule associated serine threonine kinase 2	3					0	
microtubule-actin crosslinking factor 1	3	0				0	0
microtubule-associated protein rp eb family member 3	3	0				0	0
microtubule-associated rp eb member 1	3	0				0	0
microtubule-associated rp eb member 3	3	0		0			
midline 2	3	0					
mitochondrial 28s ribosomal protein s33	3	0	0	0			
mitochondrial 2-oxoglutarate malate carrier protein	3	0		0			
mitochondrial 39s ribosomal protein l27	3	0		0		0	
mitochondrial antiviral signaling	3	0				0	
mitochondrial carnitine acylcarnitine carrier protein cacl	3	0	0				
mitochondrial import inner membrane translocase subunit tim8 a	3	0		0		0	
mitochondrial nadh-ubiquinone oxidoreductase 75 kda subunit	3	0	0				
mitochondrial ribosomal protein l2	3	0	0	0			
mitochondrial ribosomal protein l20	3	0	0			0	
mitochondrial ribosomal protein l28	3	0					0

mitochondrial ribosomal protein l32	3	0	0		0			
mitochondrial ribosomal protein l45	3	0		0				
mitochondrial ribosomal protein l48	3	0			0	0		
mitochondrial ribosomal protein s10	3	0				0	0	
mitochondrial ribosomal protein s16	3	0		0				0
mitochondrial ribosomal protein s2	3	0	0					
mitochondrial ribosomal protein s21	3	0				0	0	
mitochondrial ribosomal protein s23	3	0	0			0		
mitochondrial ribosomal protein s24	3	0		0		0		
mitochondrial ribosomal protein s36	3	0				0		
mitochondrial ribosome recycling factor	3	0			0			0
mitochondrial trna pseudouridine synthase a	3	0	0					0
mitogen-activated protein kinase 12	3	0		0				
mitogen-activated protein kinase 14	3	0			0			
mitogen-activated protein kinase 9	3	0					0	0
mitogen-activated protein kinase kinase kinase 14	3	0						
mitogen-activated protein kinase kinase kinase 5	3	0					0	
mitogen-activated protein kinase kinase kinase 8	3	0	0		0			
mitogen-activated protein kinase kinase kinase kinase 4	3	0						
mitogen-activated protein kinase-activated protein kinase 2	3	0	0					
mitotic-spindle organizing protein 1-like	3				0		0	
mmp37-like mitochondrial precursor	3	0	0					
monocarboxylate transporter 9	3	0					0	
morc family cw-type zinc finger 3	3	0		0				
mortality factor 4 like 1	3	0			0			
mosc domain-containing protein mitochondrial precursor	3	0	0			0		
mothers against decapentaplegic homolog 2	3	0	0					0
m-phase phosphoprotein 8	3	0				0	0	
multidrug and toxin extrusion protein 1	3		0			0	0	
multiple ankyrin repeats single kh domain protein	3	0		0		0		
multiple inositol polyphosphate phosphatase 1	3		0	0				
multiple pdz domain protein	3	0	0					
myeloid cell leukemia sequence 1	3	0	0	0				
myosin 18a	3	0						
myosin binding protein h	3	0						
myosin ic	3	0				0		
myosin phosphatase-rho interacting protein	3	0						0
myosin va	3	0			0		0	
myozenin 1	3	0						
n-acetylglucosamine-1-phosphate gamma subunit	3	0	0	0				
n-acetyltransferase 10	3				0	0		
nad kinase	3		0					0
nad-dependent epimerase dehydratase	3	0						0
nadh dehydrogenase 1 alpha 3	3	0				0		0
nadh dehydrogenase 1 alpha 39kda	3	0		0				0
nadh dehydrogenase 1 beta subcomplex subunit 1	3	0				0		
nardilysin (n-arginine dibasic convertase)	3	0	0					
nck-associated protein 5-like	3	0					0	
nebulin-related anchoring protein	3	0	0					
nedd8-activating enzyme e1 catalytic subunit	3	0				0		0

netrin receptor unc5c-like	3					0		
neural cell adhesion molecule 11-like protein	3		0			0		0
neuroblast differentiation-associated protein ahnak-like	3		0					0
neuroendocrine protein 7b2-like	3							0
neuroepithelial cell transforming gene 1	3		0	0			0	
neurofilament medium polypeptide	3					0		0
neurogenic differentiation 2	3					0	0	
neuroligin 1	3					0		
neuropilin 1a	3		0			0		
neuroplastin precursor	3							0
neuroserpin precursor	3					0	0	
neutrophil cytosolic factor 2	3		0	0			0	
nfu1 iron-sulfur cluster scaffold homolog	3		0	0		0		
nicotinamide mononucleotide adenylyltransferase 1	3		0	0	0			
ninjurin 1	3					0	0	0
nipsnap1 protein	3			0	0	0		
nitric oxide synthase-interacting protein	3		0		0			
nitrilase member 2	3		0	0				
n-myc downstream regulated gene 1	3		0	0				0
novel carboxylesterase domain containing protein	3		0	0		0		
novel immune-type receptor	3		0			0		
novel protein (zgc:153928)	3		0					
novel protein (zgc:77651)	3			0	0			
novel protein (zgc:85741)	3			0			0	
novel protein biglycan-like protein 3 (zgc:77123)	3			0			0	0
novel protein containing 10 heat domains	3		0				0	
novel protein human and mouse sema transmembrane domain and cytoplasmic 6d	3		0				0	
novel protein human ankyrin repeat and sterile alpha motif domain containing 1a	3						0	0
novel protein ovary-specific acidic protein	3		0					0
novel protein vertebrate hla-b associated transcript 2	3		0				0	
novel protein vertebrate plectin intermediate filament binding protein 500kda	3		0					
nuclear envelope pore membrane protein pom 121-like	3		0					
nuclear nf-kappab activating protein	3					0	0	0
nuclear receptor subfamily group member 1	3		0	0	0			
nuclear rna export factor 1	3		0			0		0
nucleobindin 2	3			0				
nucleolar complex associated 4 homolog (cerevisiae)	3		0	0	0			
nucleolar complex protein 4 homolog	3					0		0
nucleolar protein 12	3		0					0
nucleolar protein 14	3		0	0	0			
nucleolar protein with mif4g domain 1	3					0		
nucleoporin nup43	3		0			0		
nucleoporin p54	3					0		
nudix (nucleoside diphosphate linked moiety x)-type motif 1	3		0		0	0		
obscurin-like 1	3		0					
oculocerebrorenal syndrome of lowe	3		0			0	0	
odd oz ten-m homolog 3	3		0	0			0	
olfactomedin 2	3					0	0	
olfactomedin-like 2b	3		0			0		0

oligodendrocyte lineage transcription factor 2	3						0
opposite strand transcription unit to stag3	3	0			0		0
optic atrophy 3	3	0		0	0		
optineurin	3	0	0		0		
ornithine carbamoyltransferase	3				0		0
ornithine decarboxylase	3	0	0				
orphan sodium- and chloride-dependent neurotransmitter transporter ntt73	3	0				0	0
osteoblast specific factor	3	0					
osteoclast-stimulating factor 1	3		0		0		0
otu domain containing 3	3	0	0		0		
outcome predictor in acute leukemia 1-like	3	0					
oxidoreductase glyr1	3	0					0
oxysterol-binding protein 3	3	0			0		
oxysterols receptor lxr-alpha	3		0				0
p150	3	0				0	0
p21-activated kinase 3	3	0				0	
pdz and lim domain 1	3		0		0		0
pdz and lim domain 2	3		0	0	0		
pdz and lim domain protein 1	3	0	0		0		
pdz domain containing 8	3	0				0	
pentatricopeptide repeat-containing protein mitochondrial precursor	3	0	0				
peptidase d	3	0	0				0
peptidyl-prolyl cis-trans isomerase cwc27 homolog	3	0					0
peptidyl-prolyl cis-trans isomerase d	3						0
peptidyl-prolyl cis-trans isomerase fkbp14-like	3				0		
peptidyl-prolyl cis-trans isomerase fkbp1b	3	0					0
peptidylprolyl isomerase b (cyclophilin b)	3	0		0			0
peptidylprolyl isomerase -like 3	3	0	0	0			
perforin 1 (pore forming protein)	3	0		0			
peroxisomal acyl-coenzyme a oxidase 1	3	0					
peroxisomal -trans-enoyl- isomerase	3	0	0	0			
peroxisome proliferator-activated receptor beta	3		0				0
per-pentamer repeat gene	3				0		
pg1 homology to homo sapiens	3	0					0
pg1 protein	3			0			0
phosphatase and actin regulator 2	3	0		0			
phosphatidylethanolamine-binding protein variant 1	3	0		0			0
phosphatidylinositol 3-kinase regulatory subunit alpha	3	0					
phosphatidylinositol 3-kinase regulatory subunit alpha-like	3	0	0				
phosphatidylinositol- -trisphosphate 3-phosphatase and dual-specificity protein phosphatase pten	3					0	0
phosphatidylinositol- -trisphosphate 5-phosphatase 1	3	0			0		
phosphatidylinositol-binding clathrin assembly	3		0			0	
phosphatidylinositol-glycan biosynthesis class f protein	3		0	0	0		
phosphoacetylglucosamine mutase	3	0		0		0	
phosphoglucomutase 1	3	0	0				0
phosphoglucomutase 2	3	0	0	0			
phospholipase a1 member a precursor	3				0		0

phospholipase b-like 2-like	3		0	0	0		
phospholipase d3	3	0	0	0			
phospholipase group pancreas	3		0				
phosphopantothenate--cysteine ligase	3		0		0		
phosphorylase b kinase gamma catalytic skeletal muscle isoform	3		0	0		0	
phosphorylase beta	3	0	0				
phosphotriesterase-related protein	3	0	0	0			
pin2-interacting protein x1	3	0				0	0
pla2g15 protein	3	0	0				
placenta growth factor-like	3						0
plasma glutamate carboxypeptidase	3	0	0	0			
plasminogen precursor	3				0		
plasticity related gene 1	3					0	
plastin 3 (t isoform)	3	0				0	
pleckstrin homology domain family m (with run domain) member 2	3	0				0	
pleckstrin homology domain-containing family j member 1	3	0			0		0
plethodontid modulating factor	3		0				
podocan	3	0		0			
polo-like kinase 3	3	0				0	
poly (adp-ribose) polymerase member 12	3	0			0		
polycystic kidney disease 1-like 2	3	0	0				
polymerase (dna directed) delta regulatory subunit	3	0			0	0	
polymerase (dna-directed) delta interacting protein 2	3	0	0			0	
polymerase i polypeptide 53kda	3	0		0			
polymerase ii (dna directed) polypeptide	3	0	0		0		
polymerase ii (dna directed) polypeptide d	3	0			0		0
polypyrimidine tract binding protein 2	3	0				0	
polypyrimidine tract-binding protein 1	3	0		0			0
potassium channel tetramerisation domain containing	3						0
potassium voltage-gated subfamily member 1	3			0		0	0
pou domain class 5 transcription factor 1	3				0		
pq loop repeat containing 3	3	0				0	0
pr domain containing with znf domain	3	0			0	0	
PREDICTED: ReO_6-like [Danio rerio]	3	0		0			0
PREDICTED: similar to predicted protein [Equus caballus]	3					0	
PREDICTED: similar to predicted protein, partial [Hydra magnipapillata]	3	0			0	0	
preli domain containing 1	3	0	0	0			
pre-mrna-splicing factor atp-dependent rna helicase dhx15-like	3						0
prenyl diphosphate subunit 1	3	0		0		0	
pre-rna-processing protein tsr2 homolog	3	0				0	0
proactivator polypeptide	3	0					0
probable arylformamidase	3	0	0				
probable asparaginyl-trna mitochondrial	3	0		0			
probable atp-dependent rna helicase dhx58	3	0		0			0
probable bax inhibitor 1	3						0
probable histone acetyltransferase myst1	3				0	0	
probable methylthioribulose-1-phosphate dehydratase	3	0		0	0		
probable methyltransferase-like protein 15-like	3				0		
probable proline dehydrogenase 2	3		0		0		

probable rna-directed dna polymerase from transposon bs-like	3	0			0	0
programmed cell death 10	3	0	0	0		
programmed cell death 4	3	0	0	0		
programmed cell death protein 6	3	0		0		0
proliferation-associated 2g4	3	0				
proline synthetase co-transcribed bacterial homolog protein	3		0		0	0
proline-rich protein partial	3	0				0
prolyl 4- beta polypeptide	3	0		0		
prominin 1	3	0				0
proprotein convertase subtilisin kexin type 2	3				0	0 0
prosaposin	3	0		0		
prospero homeobox protein 1	3		0			0
prostaglandin e synthase 2	3	0			0	0
prostaglandin e synthase 2-like	3				0	0
protachykinin 1 precursor	3				0	0 0
proteasomal ubiquitin receptor adrm1	3	0	0			0
proteasome (macropain) 26s 5	3	0	0		0	
proteasome (macropain) 26s non- 7	3	0		0		0
proteasome subunit alpha type-1	3		0		0	0
proteasome subunit beta type-9 precursor	3	0		0		
protein arginine methyltransferase 1	3	0	0			0
protein arginine n-methyltransferase 7	3	0	0		0	
protein ariadne-1 homolog	3	0	0			
protein btg3	3				0	
protein cdv3 homolog	3	0				0
protein churchill	3	0	0		0	
protein fam131a-like	3					0
protein fam171a2-like	3					0 0
protein fam5c-like	3					0
protein fam84b-like	3				0	
protein kiaa0664-like	3					0 0 0
protein kinase c beta type	3					0 0
protein lin-7 homolog c	3	0	0	0		
protein lsm14 homolog a	3	0				0
protein mak16 homolog	3	0		0	0	
protein ndrg2	3	0				0 0
protein phosphatase 1 regulatory subunit 1c	3	0			0	0
protein phosphatase 1a (formerly 2c) magnesium- alpha isoform	3	0				0
protein phosphatase 2 (formerly 2a) regulatory subunit beta isoform	3	0				0 0
protein phosphatase ptc7 homolog	3	0				
protein phosphatase regulatory subunit 3c	3	0		0		
protein phosphatase regulatory subunit 3d	3	0				
protein sec13 homolog	3	0	0		0	
protein spire homolog 1-like	3					0
protein tbrg4	3				0	0
protein transport protein sec16b	3	0				
protein transport protein sec31a	3					0
protein transport protein sec61 subunit gamma-like	3		0			0 0
protein tweety homolog 3	3					0 0
protein tyrosine non-receptor type 21	3	0	0	0		
protein tyrosine non-receptor type 9	3	0	0			
protein tyrosine phosphatase e	3	0				0 0
protein tyrosine receptor n polypeptide 2	3					0 0
protein yipf3	3	0	0			0

protein-l-isoaspartate(d-aspartate) o-methyltransferase	3	0						
protocadherin 18	3	0				0		
protocadherin fat 3-like	3					0		
proto-oncogene serine threonine-protein kinase pim-1-like	3	0				0		
psmd1 protein	3	0		0				
pten induced kinase 1	3							0
purine nucleoside phosphorylase-like	3					0		0
purinergic receptor ligand-gated ion 1	3			0	0			
purinergic receptor ligand-gated ion 5	3	0	0					
pyrophosphatase 1	3	0				0		0
rab5-interacting protein	3	0	0	0				
radixin	3	0						
ran binding protein 1	3	0					0	
ran binding protein 3	3	0						
rap guanine nucleotide exchange factor 4	3						0	
ras association domain-containing protein 1	3	0	0					
ras homolog gene member a	3	0	0					0
ras-related protein rab-10	3	0	0			0		
ras-related protein rab-2a	3	0	0				0	
ras-related protein rab-9a	3					0		0
receptor activity modifying protein 1	3	0						
receptor-type tyrosine-protein phosphatase n2-like	3					0		0
receptor-type tyrosine-protein phosphatase s	3						0	
receptor-type tyrosine-protein phosphatase zeta	3						0	
receptor-type tyrosine-protein phosphatase-like n	3						0	0
reelin isoform 1	3						0	0
regulating synaptic membrane exocytosis protein 1-like	3						0	
regulator of g-protein signaling 20	3	0					0	0
replicase helicase endonuclease-like	3				0			0
replication protein 14kda	3	0					0	0
reproduction regulator 2	3	0					0	
reticulon 2	3	0					0	
retinal dehydrogenase 2	3	0					0	
retinal g protein coupled receptor	3		0				0	
retinaldehyde binding protein 1	3	0					0	0
retinitis pigmentosa 9 protein homolog	3	0	0			0		
retinoid x receptor alpha	3	0					0	0
retinol dehydrogenase 14	3	0				0		0
rho gtpase activating protein 12	3	0					0	
rho gtpase activating protein 5	3	0						
rho gtpase-activating protein 12	3	0					0	
rhoprty protein	3							0
rho-related btb domain-containing protein 2	3	0					0	0
ribonuclease h1	3	0						0
ribonuclease p 21kda subunit	3	0		0				0
ribonuclease t2	3	0	0					
ribophorin i	3	0	0				0	
ribose-phosphate pyrophosphokinase 1	3				0		0	0
ribosomal protein s19	3	0			0		0	
ribosomal protein s28	3	0	0				0	
ribosome production factor 1	3	0	0	0				
ribosome-releasing factor mitochondrial	3				0			
riken cdna 2810453i06 gene	3	0	0	0				
ring finger protein 114	3	0				0	0	

ring finger protein 122	3	0					0
ring finger protein 175	3	0	0	0			
ring finger protein 24	3	0					
ring finger protein 31	3		0			0	
rna 3'-terminal phosphate cyclase-like protein	3	0				0	
rna binding motif protein 17	3	0		0		0	
rna binding single stranded interacting protein 1	3	0					0
rna methyltransferase like 1	3	0			0		
rna polymerase-associated protein ctr9 homolog	3	0	0				0
rna terminal phosphate cyclase-like 1	3		0				0
rna-binding protein 12	3			0		0	0
rna-binding protein 39	3	0	0			0	
rwd domain-containing protein 4-like	3				0		0
s100 calcium binding protein a14	3	0	0		0		
s100 calcium binding protein a16	3	0				0	0
s-adenosylmethionine synthase isoform type-2	3	0	0	0			
saps domain member 3	3	0		0			0
sarcoma amplified sequence	3	0	0	0			
sarcoplasmic endoplasmic reticulum calcium atpase 2	3	0				0	0
scrm2_danre ame: full=secernin-2	3	0					
sec1 family domain-containing protein 1	3		0	0	0		
sec1 family domain-containing protein 1-like	3			0		0	
sec61 beta subunit	3	0	0	0			
secretory carrier membrane protein 4	3	0	0				
seizure protein 6 homolog	3						0
selenium binding protein 1	3		0		0		
sept2 protein	3	0	0				
septin 8	3	0				0	
septin 9b	3	0	0				
serine threonine-protein kinase lmtk1-like	3						0
serine threonine-protein kinase pak 2	3	0	0				0
serine threonine-protein kinase plk1	3	0	0		0		
serine threonine-protein kinase sgk3	3	0			0		
serine threonine-protein kinase sik2	3	0					0
serine threonine-protein kinase ulk1	3	0	0				
serine threonine-protein phosphatase 2a activator	3		0	0			0
serine--pyruvate aminotransferase	3		0				
serpine1 mrna binding protein 1	3	0			0		0
serrate rna effector molecule homolog	3	0	0				0
seryl-trna synthetase	3		0	0			0
set and mynd domain-containing protein 5	3	0			0		
set domain containing 3	3	0	0				
sex hormone-binding globulin	3		0				
sf3b1 protein	3			0		0	0
shc (src homology 2 domain containing) transforming protein 1	3	0					0
short chain dehydrogenase reductase family member 5	3		0	0			
sialic acid acetyltransferase	3	0	0	0			
sialic acid synthase	3	0	0				0
signal cub egf-like 1	3					0	0
signal recognition particle 54 kda protein	3	0	0				
signal recognition particle receptor subunit alpha	3	0	0	0			

signal transducer and activator of transcription 1	3	0	0				
sin3 histone deacetylase corepressor complex component sds3	3	0			0		
single-stranded dna-binding mitochondrial	3	0		0			0
small muscle x-linked	3	0			0		
small nuclear ribonucleoprotein f	3	0	0		0		
small nuclear ribonucleoprotein sm d3	3	0	0		0		
small nuclear rna activating polypeptide 43kda	3	0	0				
small subunit processome homolog	3	0	0				0
smc5 partial	3	0					
smoothelin isoform 2	3	0				0	
smoothelin-like protein 2	3	0					
snrnp200 protein	3	0			0		0
snw domain containing 1	3			0			
sodium- and chloride-dependent neurotransmitter transporter	3	0			0		0
sodium bicarbonate transporter-like protein 11	3					0	0
sodium voltage- type beta	3	0					0
solute carrier family 12 member 9-like	3				0	0	0
solute carrier family 2 (facilitated glucose transporter) member 1	3	0				0	0
solute carrier family 24 (sodium potassium calcium exchanger) member 3	3					0	
solute carrier family 24 (sodium potassium calcium exchanger) member 6	3	0	0				
solute carrier family 25 (mitochondrial carrier oxoglutarate carrier) member 11	3	0	0				
solute carrier family 25 (mitochondrial oxodicarboxylate carrier) member 21	3	0	0				
solute carrier family 30 (zinc transporter) member 4	3	0	0				
solute carrier family 35 member b1	3	0	0			0	
solute carrier family 39 (metal ion transporter) member 11	3			0			
solute carrier family 6 (neurotransmitter gaba) member 13	3	0				0	
solute carrier family member 17	3	0				0	0
solute carrier family member 29	3	0	0				
solute carrier organic anion transporter member 5a1	3	0			0		0
sorcin-like isoform 2	3		0				0
sorting and assembly machinery component 50 homolog	3					0	0
sorting and assembly machinery component 50 homolog (cerevisiae)	3	0				0	0
sorting nexin-10	3	0			0		
sorting nexin-14	3			0			0
sorting nexin-15	3	0	0			0	
sorting nexin-1-like	3	0		0			0
sorting nexin-6-like	3	0	0				
source of immunodominant mhc-associated peptides	3			0		0	
spastin	3	0		0		0	
sperm-activating peptide i precursor	3				0		
spermidine synthase	3	0	0				0
spg7 protein	3	0	0		0		
sphingosine 1-phosphate receptor 2	3	0		0		0	

splicing arginine serine-rich 6	3	0	0					
splicing factor 3a subunit 1	3	0	0	0				
splicing factor 3b subunit 3	3	0	0				0	
splicing factor 4	3	0				0		
splicing factor subunit 155kda	3	0	0				0	
spondin extracellular matrix protein	3	0					0	0
spry domain containing 4	3	0		0				
spry domain-containing soxs box protein 3	3	0				0	0	
st3 beta-galactoside alpha- -sialyltransferase 4	3	0		0				
stard3 n-terminal like	3	0				0		0
stathmin 1 oncoprotein 18 variant 8	3	0				0		
stathmin-like 2	3					0		0
sterol regulatory element binding transcription factor 1	3	0					0	0
stomatin-like protein 2	3		0					0
stromal cell-derived factor 2-like 1	3		0	0				
structural maintenance of chromosomes 1a	3	0				0	0	
structural maintenance of chromosomes protein 4	3	0					0	
structural maintenance of chromosomes protein 5	3	0		0				
structural maintenance of chromosomes protein 6	3	0		0				
subfamily member 19	3	0	0					0
subfamily member 3b	3	0						
subfamily member 7	3	0	0					
succinate dehydrogenase assembly factor mitochondrial-like	3	0			0			
sulfide quinone reductase-like	3	0	0					0
superkiller viralicidic activity 2-like 2	3	0		0				
supervillin	3	0						
suppressor of g2 allele of skp1 homolog	3	0		0			0	
suppressor of swi4 1 homolog	3	0	0	0				
surfeit locus protein 4	3	0		0		0		
swi snf matrix actin dependent regulator of subfamily member 1	3	0						0
swi snf matrix actin dependent regulator of subfamily member 3	3	0				0		0
synaptogyrin 3	3						0	0
synaptojanin-2-binding protein	3	0		0	0			
synaptosomal-associated protein 23	3	0	0					
synaptosomal-associated protein 29	3	0	0	0				
syndecan binding protein	3	0	0					0
synovial apoptosis inhibitor synoviolin	3	0		0				
syntaxin 18	3	0		0				
syntaxin 1b	3						0	0
syntaxin 8	3	0	0					0
talin 1	3	0						
tar dna-binding protein 43	3	0						0
taxilin beta	3	0						
tbc1 domain member 13	3	0		0				
tbc1 domain member 15	3		0			0		
tc1-like transporase	3			0			0	0
t-cell immunoglobulin and mucin domain containing 4	3	0				0	0	
t-cell lymphoma invasion and metastasis 1	3						0	
t-cell receptor beta chain	3	0						0
t-complex polypeptide 1	3			0				0
tetraspanin 13	3		0	0				0
tetraspanin 4	3	0					0	

tetraspanin-3-like isoform 2	3						0
tetratricopeptide repeat domain 17	3	0		0		0	
thiopurine s-methyltransferase	3		0	0		0	
thioredoxin domain-containing protein 12 precursor	3				0		0
thioredoxin domain-containing protein 15	3	0		0			0
thioredoxin-related transmembrane protein 2	3	0				0	
thiosulfate sulfurtransferase	3	0		0			
tho complex subunit 4	3		0		0		0
tho complex subunit 5 homolog	3		0	0		0	
threonine synthase-like 1	3	0	0				
thrombospondin 1	3	0					
thromboxane-a synthase	3	0				0	
thymidine cytosolic	3		0		0		0
tia1 cytotoxic granule-associated rna binding protein	3	0				0	
tight junction protein 2 (zona occludens 2)	3		0			0	
tissue factor pathway inhibitor 2 precursor	3	0		0	0		
tnfrsf3-interacting protein 1	3	0	0				0
topoisomerase i	3	0			0		0
tox high mobility group box family member 2	3	0				0	
tpa: calcitonin receptor	3					0	
tpa_exp: replicase helicase endonuclease	3	0				0	0
traf2 and nck interacting kinase	3	0					0
trafficking protein particle complex subunit 2	3	0				0	
trafficking protein particle complex subunit 2-like protein	3	0				0	0
transcription elongation factor spt4	3	0				0	0
transcription factor 20	3		0			0	0
transcription factor 25 (basic helix-loop-helix)	3	0	0				
transcription factor sox-8	3					0	0
transcription initiation factor iia subunit 2	3	0					0
transcription initiation factor tfiid subunit 13	3	0		0		0	
transcriptional activator protein pur-beta	3	0				0	0
transcriptional adapter 3-like	3				0		0
transcriptional enhancer factor tef-5-like	3	0					
transcriptional regulator atrx-like	3				0	0	0
transducin -like 2	3	0		0			
transferase c1orf69 mitochondrial-like	3	0		0		0	
transforming acidic coiled coil 1b isoform b	3					0	0
transforming growth beta receptor iii	3	0					
transketolase-like 2	3	0	0		0		
translation initiation factor eif-2b subunit alpha	3	0		0			0
translocase of inner mitochondrial membrane 10 homolog	3	0	0			0	
translocase of inner mitochondrial membrane 23 homolog	3	0	0	0			
translocation associated membrane protein 2	3	0	0	0			
transmembrane 4 l6 family member 5	3				0		
transmembrane 9 superfamily member 4 precursor	3		0	0			0
transmembrane and coiled-coil domain-containing protein c6orf129 homolog	3	0		0			0
transmembrane anterior posterior transformation 1-like	3		0	0			0
transmembrane anterior posterior transformation protein 1 homolog	3	0		0			
transmembrane bax inhibitor motif containing 4	3	0	0				0

transmembrane emp24 domain trafficking protein 2	3	0	0	0			
transmembrane phosphatase with tensin homology	3	0				0	
transmembrane protease serine 9-like	3			0			0
transmembrane protein 14a	3	0	0			0	
transmembrane protein 167b	3	0	0	0			
transmembrane protein 181	3	0	0			0	
transmembrane protein 184b	3					0	0
transmembrane protein 220	3	0	0			0	
transmembrane protein 222	3		0	0	0		
transmembrane protein 33	3	0	0				0
transmembrane protein 38b	3	0	0	0			
transmembrane protein 41b	3	0	0				
transmembrane protein 47	3	0	0	0			
transmembrane protein 69	3	0			0		
transmembrane protein loc124446	3	0	0	0			
transportin 3	3	0	0				0
transposable element p transposase	3	0			0		
transposable element tc1 transposase	3	0					
tributyltin binding protein type 1b	3			0			
tricarboxylate transport mitochondrial-like	3			0			0
tripartite motif-containing 25	3	0	0				
tripartite motif-containing 63	3	0					
triple functional domain (ptrf interacting)	3					0	0
trk-fused gene	3	0		0		0	
trna (cytosine-5-)-methyltransferase nsun2	3	0					
trna selenocysteine 1 associated protein 1	3	0		0			0
tropomodulin 4	3	0	0				
tropomyosin alpha-4 chain	3	0	0				0
tropomyosin-1 alpha chain	3	0		0	0		
trypsin-1 precursor	3		0				
trypsinogen 3	3		0	0			
trypsinogen-like protease 1	3		0		0		
tryptophan -dioxygenase	3		0	0	0		
tryptophanyl-trna synthetase	3	0		0	0		
tsc22 domain member 3	3	0	0	0			
tubb5 protein	3						0
tubulin folding cofactor b	3	0		0			
tubulin polyglutamylase complex subunit 1	3						0
tubulin polyglutamylase complex subunit 2	3				0		0
tumor necrosis alpha-induced protein 8-like protein 2	3	0			0		
tumor rejection antigen 1	3	0	0	0			
tumor suppressor candidate 5 homolog	3		0				0
type alpha isoform cra_b	3	0					
tyrosinase	3	0					
tyrosine phosphatase type iva 2	3			0	0	0	
tyrosine-protein kinase 223-like	3	0	0			0	
tyrosine-protein phosphatase non-receptor type 21-like	3			0		0	0
tyrosylprotein sulfotransferase 1	3	0		0			
u2 snrnp-associated surp motif-containing protein	3						0
u2-associated sr140 protein	3	0	0		0		
u5 small nuclear ribonucleoprotein 40 kda protein	3	0		0			0
u6 snrna-associated sm-like protein lsm3-like	3						0
u6 snrna-associated sm-like protein lsm8	3	0	0			0	
ubiquitin carboxyl-terminal hydrolase 16	3	0	0	0			

ubiquitin carboxyl-terminal hydrolase 7	3	0	0	0	0	0
ubiquitin carboxyl-terminal hydrolase isozyme 13	3	0	0	0	0	0
ubiquitin protein ligase e3 component n-recognin 1	3	0	0	0	0	0
ubiquitin specific peptidase 25	3	0	0	0	0	0
ubiquitin specific peptidase 34	3	0	0	0	0	0
ubiquitin specific peptidase 8	3	0	0	0	0	0
ubiquitin-associated and sh3 domain-containing protein b	3	0	0	0	0	0
ubiquitin-conjugating enzyme e2 j1	3	0	0	0	0	0
ubiquitin-conjugating enzyme e2 variant 1	3	0	0	0	0	0
ubiquitin-conjugating enzyme e2t	3	0	0	0	0	0
ubiquitin-like protein 1	3	0	0	0	0	0
ubiquitin-related modifier 1 homolog	3	0	0	0	0	0
ubx domain protein 4	3	0	0	0	0	0
ubx domain-containing protein 11-like	3	0	0	0	0	0
ubx domain-containing protein 7	3	0	0	0	0	0
udp-n-acetyl-alpha-d-galactosamine:polypeptide n-acetylglactosaminyltransferase-like 4	3	0	0	0	0	0
udp-n-acetylglucosamine--peptide n-acetylglucosaminyltransferase 110 kda subunit	3	0	0	0	0	0
ufm1-specific protease 1	3	0	0	0	0	0
uhrf1-binding protein 1-like	3	0	0	0	0	0
ump-cmp kinase	3	0	0	0	0	0
unc-45 homolog b (elegans)	3	0	0	0	0	0
unc-50 homolog	3	0	0	0	0	0
uncharacterized protein c11orf87 homolog	3	0	0	0	0	0
uncharacterized protein c9orf85 homolog	3	0	0	0	0	0
uncharacterized protein dkfzp762i1415-like	3	0	0	0	0	0
unconventional prefoldin rpb5 interactor	3	0	0	0	0	0
unhealthy ribosome biogenesis protein 2 homolog	3	0	0	0	0	0
unkempt homolog -like	3	0	0	0	0	0
unknown [Sparus aurata]	3	0	0	0	0	0
unnamed protein product [Homo sapiens]	3	0	0	0	0	0
unnamed protein product [Mus musculus]	3	0	0	0	0	0
unq655 pro1286 precursor	3	0	0	0	0	0
upf0293 protein c16orf42-like	3	0	0	0	0	0
upf0308 protein c9orf21 homolog	3	0	0	0	0	0
upf0368 protein cxorf26-like	3	0	0	0	0	0
upf0414 transmembrane protein c20orf30 homolog	3	0	0	0	0	0
upf0488 protein c8orf33 homolog	3	0	0	0	0	0
upf0534 protein c4orf43-like	3	0	0	0	0	0
upf0595 protein c22orf40-like	3	0	0	0	0	0
upf0609 protein c4orf27 homolog	3	0	0	0	0	0
upf0663 transmembrane protein c17orf28-like	3	0	0	0	0	0
upf0739 protein c1orf74 homolog	3	0	0	0	0	0
up-regulated during skeletal muscle growth protein 5	3	0	0	0	0	0
uracil phosphoribosyltransferase homolog	3	0	0	0	0	0
uridine phosphorylase 1	3	0	0	0	0	0
uroporphyrinogen iii synthase	3	0	0	0	0	0
usp39 protein	3	0	0	0	0	0
uv excision repair protein rad23 homolog b-like	3	0	0	0	0	0
vacuolar protein sorting 4b	3	0	0	0	0	0

vacuolar protein sorting-associated protein 33a	3			0	0		0
vacuolar protein sorting-associated protein 37a	3	0	0			0	
vacuolar protein sorting-associated protein 4b	3		0	0			
vacuolar protein sorting-associated protein 72 homolog	3		0		0		
vacuolar-sorting protein snf8	3	0			0		0
v-akt murine thymoma viral oncogene homolog 2	3	0					0
vascular endothelial growth factor receptor 2	3	0	0				
vasohibin 1	3	0	0			0	
vesicle-associated membrane associated protein b and c	3	0		0			
vesicle-associated membrane protein 3	3	0	0			0	
vesicle-associated membrane protein 7	3	0		0			0
visinin-like 1	3					0	0
vitellogenic-like	3	0	0			0	
vitellogenin c	3			0	0		
voltage-dependent calcium channel gamma-8 subunit	3					0	
voltage-dependent l-type calcium channel subunit alpha-1d	3				0		0
voltage-gated sodium channel type iv alpha subunit	3	0				0	
von willebrand factor	3	0	0				
v-type proton atpase catalytic subunit a-like	3				0		0
was protein member 2	3	0	0		0		
was protein member 3	3	0		0		0	
wd repeat domain 1	3	0				0	0
wd repeat domain 45	3	0	0			0	
wd repeat domain 46	3	0					
wd repeat domain phosphoinositide-interacting protein 3	3	0				0	0
wdfy family member 4	3	0	0				
with fg repeats 1	3		0			0	
wnk lysine deficient protein kinase 2	3					0	0
ww domain binding protein 1	3	0				0	
ww domain-binding protein 2-like	3						0
xbp1 protein	3						0
xeplin variant 2	3	0		0			
xeroderma complementation group a	3	0					
y+1 amino acid transporter 1	3		0	0	0		
yeast mon (monensin-resistant) homolog family member (mon-2)-like	3	0		0		0	
yippee-like 1	3		0				0
yme1-like 1 (cerevisiae)	3	0	0				0
yth domain member 2	3	0				0	
zbed1 protein	3	0					0
zeta (quinone reductase)-like 1	3		0				0
zgc:112265 protein	3		0				
zinc bed-type containing 1	3	0				0	0
zinc bed-type containing 4	3	0		0			
zinc c4h2 domain containing	3	0					0
zinc finger and btb domain containing 33	3	0		0			0
zinc finger bed domain-containing protein 1-like	3	0			0		
zinc finger cchc domain-containing protein 10	3	0		0	0		
zinc finger e-box-binding homeobox 2	3						0
zinc finger hit domain-containing protein 2	3	0			0		

zinc finger homeobox 3-like	3	o						
zinc finger homeobox protein 4	3	o				o		
zinc finger matrin-type protein 5	3	o		o		o		
zinc finger protein 131	3	o	o			o		
zinc mym domain containing partial	3	o						
zinc mym-type 4	3	o					o	
zinc mym-type 6	3	o			o	o		
zinc transporter	3		o	o				o
zona pellucida protein d	3				o	o		
zpa domain containing protein precursor	3				o			
zygote arrest 1	3				o			
1300001i01rik protein	2	o					o	
14-3-3 protein	2				o			o
14-3-3 protein gamma-2	2	o						
14-3-3-like protein	2		o					o
1a111_takru ame: full=1-aminocyclopropane-1-carboxylate synthase-like protein 1	2		o		o			
short=acc synthase-like protein 1								
1-acylglycerol-3-phosphate o-acyltransferase 6 (lysophosphatidic acid zeta)	2		o			o		
1-acyl-sn-glycerol-3-phosphate acyltransferase gamma	2		o					o
1-aminocyclopropane-1-carboxylate synthase-like protein 1-like	2				o			
1-phosphatidylinositol- -bisphosphate phosphodiesterase delta-4	2	o						o
2 -cyclic nucleotide 3 phosphodiesterase	2		o					
2310022m17rik protein	2	o				o		
26s protease regulatory subunit 4	2					o		o
26s proteasome non-atpase regulatory subunit 12	2					o		o
26s proteasome non-atpase regulatory subunit 3-like	2							o
26s proteasome non-atpase regulatory subunit 5-like	2							o
26s proteasome non-atpase regulatory subunit 7-like	2				o			
26s proteasome non-atpase regulatory subunit 9	2			o				o
2-amino-3-carboxymuconate-6-semialdehyde decarboxylase	2		o	o				
2-hydroxyacylsphingosine 1-beta-galactosyltransferase precursor	2	o		o				
2-oxo-4-hydroxy-4-carboxy-5-ureidoimidazoline decarboxylase	2		o	o				
2-oxoglutarate and iron-dependent oxygenase domain-containing protein 1	2	o						
3-hydroxyacyl- dehydrogenase type-2	2		o					o
3-keto-steroid reductase-like	2		o		o			
40s ribosomal protein s16	2				o			o
40s ribosomal protein s3	2					o	o	
4f2 cell-surface antigen heavy chain-like	2				o			
5 - cytosolic ii	2	o						
5 - cytosolic iii	2			o				o
5-aminolevulinate erythroid- mitochondrial precursor	2	o						
5-amp-activated protein kinase subunit beta-1	2		o	o				
5-azacytidine induced 1	2	o				o		
5ht3 receptor	2	o						
60s ribosomal protein 113	2		o		o			

60s ribosomal protein l23a	2			0				
60s ribosomal protein l26	2			0				
60s ribosomal protein l36a-like	2			0				0
60s ribosomal protein l6	2			0				0
60s ribosomal protein l8	2			0				0
6-phosphofructokinase type c-like	2				0		0	
6-phosphogluconolactonase-like	2							0
a kinase anchor protein 11	2	0				0		
a kinase anchor protein 12	2	0					0	
a kinase anchor protein 2	2	0		0				
a kinase anchor protein 6	2	0						
aars protein	2							0
abc-transporter subfamily-b type 3	2	0		0				
abhydrolase domain containing 6	2		0					
abhydrolase domain containing 7	2					0		
abhydrolase domain-containing protein 2-like	2					0		
abhydrolase domain-containing protein fam108c1	2			0				
abl interactor 2	2	0	0					
abl-interactor 1	2	0				0		
ac transposable element derived partial	2	0						
ac transposable element-derived protein 4	2					0	0	
acetolactate synthase-like protein	2		0					
acetyl- carboxylase	2		0	0				
acetyl- carboxylase alpha	2						0	
acetyl- cytosolic	2	0	0					
acetylcholine receptor subunit alpha precursor	2	0						
acid phosphatase lysosomal	2	0						
acid trehalase-like protein 1-like	2							0
acidic (leucine-rich) nuclear phosphoprotein 32 member a	2	0					0	
acidic (leucine-rich) nuclear phosphoprotein 32 member b	2	0				0		
acidic coiled-coil containing protein 1	2						0	
acidic coiled-coil containing protein 2	2						0	
acidic leucine-rich nuclear phosphoprotein 32 family member b	2		0					0
acidic repeat-containing	2					0		
actin associated protein	2	0				0		
actin binding 1a	2				0		0	
actin binding 1b	2	0						
actin binding protein 6	2	0						0
actin filament-associated protein 1-like 1	2	0		0				
actin-related protein 10	2		0					
actin-related protein 2	2	0						0
actin-related protein 6	2	0	0					
activated leukocyte cell adhesion molecule	2					0	0	
activating transcription factor 3	2	0						
activating transcription factor 4 (tax-responsive enhancer element b67)	2				0			0
activating transcription factor 7-interacting protein 1-like	2		0					
activator of basal transcription 1	2	0					0	
activity-dependent neuroprotector homeobox protein	2					0		0
acyl- :lysophosphatidylglycerol acyltransferase 1	2						0	0
acyl- synthetase long-chain family member 4	2		0					
acyl- synthetase long-chain family member 6	2		0				0	

acylamino-acid-releasing enzyme	2	0	0					
acyl-coenzyme a dehydrogenase member 9	2	0	0					
acyl-coenzyme a long chain	2	0	0					
acyl-coenzyme a oxidase isoform cra_b	2	0			0			
acyl-coenzyme a oxidase palmitoyl	2		0	0				
acylglycerol mitochondrial precursor	2		0	0				
adam metalloproteinase with thrombospondin type 1 1	2	0						
adam metalloproteinase with thrombospondin type 1 15	2	0						
adaptor-related protein complex alpha 1 subunit	2		0				0	
adaptor-related protein complex mu 2 subunit	2		0				0	
adenosine 3 -phospho 5 -phosphosulfate transporter 2	2				0			
adenosine deaminase	2	0						0
adenosine kinase a	2		0	0				
adenosylmethionine decarboxylase 1	2	0					0	
adenylate cyclase-associated 2	2	0						
adenylosuccinate lyase	2	0						
adenylosuccinate synthetase isozyme 1	2	0						
adhesion molecule with ig like domain 1	2						0	
adiponectin receptor 2	2		0					
adnp homeobox protein 2-like	2				0		0	
adp-dependent glucokinase	2		0					
adp-ribosylation factor guanine nucleotide-exchange factor 2 (brefeldin a-inhibited)	2	0		0				
adp-ribosylation factor interacting protein 2	2						0	0
adp-ribosylation factor-like 1	2	0		0				
adp-ribosylation factor-like 14	2	0	0					
adp-ribosylation factor-like 16	2	0				0		
adp-ribosylation factor-like 3	2	0	0					
adp-ribosylation factor-like 5a	2	0						
adp-ribosylation factor-like 6 interacting protein 1	2	0						0
adp-ribosylation factor-like 9	2	0						
adp-ribosylation factor-like protein 2	2				0			
adp-ribosylation factor-like protein 6-interacting protein 4	2	0					0	
adp-ribosylation-like factor 6 interacting protein 6	2	0					0	
adrenomedullin 1	2	0		0				
af363273_1 toxin-1	2		0					
agouti-related protein	2					0		0
agrin	2						0	
a-kinase anchor protein 11-like	2						0	
akt interacting protein	2	0						
alanine-glyoxylate aminotransferase 2	2		0	0				
aldehyde dehydrogenase 1 member l2	2	0	0					
aldo keto reductase	2							0
aldo-keto reductase family 1 member b10-like	2		0					0
alkaline phosphatase	2					0		0
alkylation repair homolog 1 (coli)	2			0				0
alkylation repair homolog 3	2	0				0		
alkylation repair homolog 4 (coli)	2	0	0					
allantoicase	2		0					
allograft inflammatory factor 1	2			0				0
alpha-mannosyl-glycoprotein 4-beta-n-acetylglucosaminyltransferase c	2		0	0				
alpha-sialyltransferase st6 c v	2						0	0

alpha-sialyltransferase st8sia vi	2	0	0						
alpha-fucosyltransferase	2	0					0		
alpha-2-hs-glycoprotein	2		0						
alpha-2-macroglobulin-like isoform 1	2		0						
alpha-aspartyl dipeptidase	2	0		0					
alpha-kinase 2	2	0							
alpha-l- plasma	2		0				0		
alpha-methylacyl- racemase	2	0	0						
alpha-soluble nsf attachment protein	2					0	0		
amine oxidase (flavin containing) domain 1	2	0							
aminophospholipid transporter- class type member 2	2						0		
amp deaminase 2	2						0		0
amp-activated protein kinase gamma2 subunit-like	2	0							
amp-activated protein non-catalytic gamma-3 subunit	2	0							
amyloid beta a4 precursor protein- family member 2 isoform 4	2	0							
amyloid beta precursor protein b	2	0				0			
amyloid beta precursor protein- family member 1	2	0					0		
amyloid-like protein 2	2	0						0	
amyloid-like protein 2-like	2						0		0
an1-type zinc finger protein 2b	2	0		0					
an1-type zinc finger protein 5	2	0							
anaphase-promoting complex subunit 11	2	0			0				
angiogenic factor vg5q	2		0			0			
angiogenic factor with g patch and fha domains 1	2	0						0	
angiopoietin-like 1	2	0							
angiopoietin-like 3	2		0						
angiopoietin-like 4	2	0			0				
ankyrin repeat and fyve domain containing 1	2		0	0					
ankyrin repeat and fyve domain-containing protein 1	2								0
ankyrin repeat and kh domain-containing protein 1	2		0						
ankyrin repeat and mynd domain-containing protein 2	2	0							
ankyrin repeat and sam domain-containing protein 3	2		0	0					
ankyrin repeat and socs box-containing 10-like	2	0							
ankyrin repeat and socs box-containing 12	2	0							
ankyrin repeat and socs box-containing 2	2	0							
ankyrin repeat domain 10	2	0							
ankyrin repeat domain 12	2				0		0		
ankyrin repeat domain 12 isoform 2	2	0					0		
ankyrin repeat domain 29	2					0		0	
ankyrin repeat domain-containing protein 50-like	2				0				
ankyrin repeat-containing cofactor-1	2						0	0	
anoctamin 5	2	0							
anoctamin calcium activated chloride channel	2	0				0			
anoctamin-3 isoform 1	2	0					0		
antigen precursor	2		0			0			
antigenic determinant of reca protein homolog	2		0	0					
antithrombin iii	2		0						
ap-1 complex subunit mu-1	2			0					0

ap-1 complex subunit sigma-3	2	0					
ap-2 complex subunit beta	2				0		
ap-3 complex subunit sigma-2	2					0	0
ap-4 complex subunit mu-1	2	0			0		
apolipoprotein a1 binding protein	2	0			0		
apolipoprotein h (beta-2-glycoprotein i)	2			0			
apolipoprotein m	2	0	0				
apolipoprotein o	2	0	0				
apoptosis-enhancing nuclease-like	2				0		
aquaporin 12	2	0	0				
aquaporin 9	2	0					
arachidonate 12-lipoxygenase	2				0		
arc cg6741- partial	2	0					
arginine serine-rich protein pnisr-like	2				0		
ariadne homolog 2	2	0					
arm-1 protein variant 1	2				0		0
armadillo repeat containing 6	2	0	0				
armadillo repeat-containing protein 1	2	0			0		
armadillo repeat-containing protein 8	2					0	
arp1 actin-related protein 1 homolog centractin alpha	2			0			0
arp2 actin-related protein 2 homolog	2	0					0
arp3 actin-related protein 3 homolog	2	0					
aryl hydrocarbon receptor 2	2	0				0	
aryl hydrocarbon receptor nuclear translocator	2				0		
arylsulfatase a-like	2	0					0
arylsulfatase d	2	0				0	
asc-type amino acid transporter 1	2	0				0	
asialoglycoprotein receptor 1	2	0		0			
asparagine synthetase	2	0	0				
asparagine synthetase domain-containing protein 1	2	0			0		
asparagine-linked glycosylation 3 homolog (alpha- -mannosyltransferase)	2	0	0				
asparagine-linked glycosylation protein 11 homolog	2	0					
aspartate cytoplasmic-like	2						0
aspartoacylase 3	2	0	0				
aspartyl-trna cytoplasmic	2				0		0
at rich interactive domain 2 (rfx-like)	2	0				0	
ataxin 1	2	0				0	
ataxin 7-like 3	2	0					
atg10 autophagy related 10 homolog (cerevisiae)	2	0					
atg12 autophagy related 12 homolog (cerevisiae)	2	0			0		
atg2 autophagy related 2 homolog a	2	0	0				
atp synthase mitochondrial f1 complex assembly factor 1	2	0			0		
atp synthase mitochondrial f1 complex assembly factor 1-like	2						0
atp2b1a protein	2		0	0			
atpase aaa domain containing 4	2	0	0				
atpase type 13a1	2	0	0				
atp-binding cassette sub-family a member 12	2						0
atp-binding cassette sub-family g member 2	2	0					
atp-binding sub-family c (cftr mrp) member 12	2	0					
atp-binding sub-family f member 3	2	0					

atp-citrate synthase	2	o					
atp-dependent dna helicase pif1	2			o			
atp-dependent metalloprotease yme111	2	o					
atp-dependent rna helicase ddx42	2		o			o	
atp-dependent rna helicase dhx30	2	o					o
atp-sensitive inward rectifier potassium channel 12-like	2						o
at-rich interactive domain-containing protein 2	2					o	
au rna binding protein enoyl-coenzyme a hydratase	2	o			o		
aurora kinase b	2	o		o			
autocrine motility factor receptor	2		o				
autophagy-related protein 2 homolog b	2	o				o	
autophagy-related protein 3	2	o	o				
autotransporter-associated beta strand repeat protein	2	o					
b chain crystallographic and kinetic studies of human mitochondrial acetoacetyl-coa thiolase : the importance of potassium and chloride for its structure and function	2						o
b chain structural basis for formation and hydrolysis of calcium messenger cyclic adp-ribose by human cd38	2	o				o	
b2 bradykinin receptor	2	o					
b9 domain-containing protein 2	2			o			
baculoviral iap repeat-containing protein 5	2	o			o		
band -like protein 3	2					o	
band -like protein 3-like	2		o		o		
band -like protein 4b-like	2						o
bardet-biedl syndrome 2 protein	2				o		
basal cell adhesion molecule	2			o		o	
basement membrane-specific heparan sulfate proteoglycan core	2				o		
basic leucine zipper transcriptional factor atf-like 3	2	o					
bc016423 protein	2	o		o			
b-cell cll lymphoma 7 protein family member b	2				o		o
b-cell lymphoma 6 protein	2	o	o				
b-cell receptor cd22-like	2		o			o	
b-cell translocation gene 3	2	o		o			
b-cell translocation protein 1	2			o			o
bcl2 adenovirus e1b interacting protein 3-like	2	o	o				
bcl6 co-repressor-like 1	2	o					o
bdnf nt-3 growth factors receptor	2					o	
bernardinelli-seip congenital lipodystrophy 2 homolog isoform cra_a	2	o					
beta-glucuronyltransferase 1 (glucuronosyltransferase p) isoform cra_a	2	o					
beta lysosomal	2		o				
beta-adrenergic receptor kinase 2	2	o				o	
beta-galactoside alpha -sialyltransferase st6gal i	2					o	
beta-hexosaminidase subunit alpha	2	o				o	
beta-ureidopropionase	2		o				o
bicaudal d homolog 1	2	o					o
bifunctional 3 -phosphoadenosine 5 - phosphosulfate synthase 1	2	o					o
bifunctional methylenetetrahydrofolate dehydrogenase mitochondrial precursor	2	o			o		

bifunctional udp-n-acetylglucosamine 2-epimerase n-acetylmannosamine kinase	2	0	0			
bile salt export pump	2		0			
biliary glycoprotein	2	0			0	
bisphosphoglycerate mutase	2	0				
bmp-2 inducible kinase	2	0	0			
bone morphogenetic protein 15	2				0	
brain and reproductive organ-expressed (tnfrsf1a modulator)	2	0				
brca1-a complex subunit bre	2		0			0
brca1-a complex subunit merit40	2	0				0
breast cancer metastasis-suppressor 1-like	2		0			0
brefeldin resistant arf-gef 2b	2			0		0
bridging integrator 3	2	0				
bromodomain adjacent to zinc finger 2b	2					0
bromodomain and phd finger 3	2	0				0
bromodomain containing 3	2	0				
bsg protein	2				0	
btb poz domain-containing protein 10	2	0				0
btb poz domain-containing protein kctd6	2	0		0		
butyrate response factor 1	2	0	0			
c11orf46 homolog	2	0		0		
c12orf65 homolog	2	0		0		
c13orf22 homolog (sapiens) like	2					0
c1orf31	2	0			0	
c1r c1s subunit of ca2+-dependent complex precursor	2				0	
c219-reactive peptide	2	0				
c6orf115	2		0			0
c6orf130 homolog	2					0
c8orf4 homolog	2		0			0
ca++ cardiac fast twitch 1	2	0				
ca++ cardiac slow twitch 2a	2	0				0
caax alpha	2	0				0
caax prenyl protease 1 homolog	2				0	0
cadherin 5	2	0				
cadherin type 1 preproprotein	2				0	0
calcineurin b homologous protein 2	2	0				
calcineurin subunit b type 1-like	2				0	
calcitonin receptor	2				0	
calcium activated nucleotidase 1	2		0	0		
calcium activated nucleotidase isoform cra_b	2	0				
calcium binding and coiled-coil domain 2	2	0				
calcium calmodulin-dependent protein kinase (kinase) ii gamma	2	0				
calcium calmodulin-dependent serine protein kinase (maguk family)	2				0	0
calcium voltage- gamma subunit 6	2	0				
calcium voltage- 1 alpha 1c subunit	2				0	0
calcium voltage- 1 alpha 1d subunit	2				0	0
calcium-binding mitochondrial carrier protein aralar1	2	0				0
calmodulin binding protein 3	2		0			
calmodulin regulated spectrin-associated protein 1	2	0				0
calmodulin-like	2				0	
calmodulin-regulated spectrin-associated protein 3	2				0	
calpain 5	2	0	0			
calpain-1 catalytic subunit	2		0			0

calpain-2 catalytic subunit	2			0			
calpain-like protein	2			0			
calponin 2	2	0		0			
calponin smooth muscle	2	0				0	
calreticulin precursor	2	0		0			
calsyntenin 3	2						0
calumenin isoform 1	2	0	0				
camp responsive element binding protein 3-like 1	2	0				0	
camp responsive element binding protein 3-like 3	2		0	0			
camp-dependent protein kinase type i-beta regulatory subunit-like	2						0
camp-dependent protein kinase type ii-alpha regulatory subunit	2		0				
camsap111 protein	2				0	0	
canopy 4 homolog	2	0		0			
capz-interacting protein	2			0			
carbohydrate sulfotransferase 15	2	0					0
carbohydrate sulfotransferase 2	2	0			0		
carbonic anhydrase mitochondrial	2	0				0	
carboxyl ester lipase (bile salt-stimulated lipase)	2		0	0			
carboxypeptidase a1	2	0	0				
carboxypeptidase b	2		0				
carboxypeptidase b2-like	2			0			
carboxypeptidase polypeptide 2	2		0				
carboxypeptidase z	2	0					
cardiomyopathy associated 1	2	0					
-carotene 9 -oxygenase-like	2			0			0
carotene- -monooxygenase	2	0					
cartilage intermediate layer protein 2-like	2	0					
cas hef-like protein 1	2	0					
casein kinase delta	2	0	0				
caseinolytic atp- proteolytic subunit homolog (coli)	2		0			0	
cat eye syndrome chromosome candidate 5 homolog	2		0				
catenin (cadherin-associated protein) alpha 2	2					0	0
catenin (cadherin-associated protein) alpha-like 1	2		0	0			
catenin (cadherin-associated protein) delta 2 (neural plakophilin-related arm-repeat protein)	2					0	
catenin alpha-1-like	2		0			0	
cathepsin s	2	0				0	
cation diffusion facilitator family transporter	2		0	0			
cation transport regulator homolog 2 (coli)	2	0	0				
cation-independent mannose-6-phosphate receptor	2	0					
cbf1 interacting corepressor	2	0		0			
cc chemokine	2	0					
c-c motif chemokine 4 precursor	2			0			0
ccar1 protein	2	0					
ccr4-not transcription complex subunit 1	2	0				0	
ccr4-not transcription complex subunit 7	2	0	0				
ccr4-not transcription subunit 2	2	0					
ccr4-not transcription subunit 8	2	0		0			
cd151 antigen	2	0					
cd2 antigen cytoplasmic tail-binding protein 2	2	0				0	

cd209 antigen-like protein e	2				0		0
cd226 antigen precursor	2			0			0
cd3 gamma delta	2	0		0			
cd302 antigen precursor	2	0	0				
cd36 antigen	2		0			0	
cd46 complement regulatory	2	0					
cd59 glyco	2			0			0
cd82 antigen	2	0					0
cell adhesion molecule 1	2					0	0
cell adhesion molecule 1-like	2			0			
cell adhesion molecule 2	2					0	0
cell adhesion molecule 3 isoform 1	2	0			0		
cell cycle progression protein 1-like	2						0
cell division cycle 20 homolog (cerevisiae)	2	0		0			
cell division cycle 34	2	0					
cell division cycle 40 homolog	2	0			0		
cell division cycle 40 homolog (cerevisiae)	2	0	0				
cell division cycle associated 7	2	0				0	
cell division cycle associated 8	2		0	0			
cell division cycle protein 123 homolog	2	0		0			
cell division cycle protein 27 homolog	2	0			0		
cell division protein kinase 4	2	0		0			
cellular repressor of e1a-stimulated genes	2			0			0
centrin 2	2						0
centromere protein h	2			0			
centrosomal protein 170kda	2	0				0	
centrosomal protein of 164 kda	2			0			
centrosomal protein of 192 kda-like	2	0					0
centrosomal protein of 55 kda	2			0			
cerebellar degeneration-related protein 2-like	2						0
cerebellin 1 precursor	2				0		0
ceroid- neuronal late variant	2	0					
cfh protein	2			0			
c-fos protein	2	0				0	
cgmp-dependent 3 -cyclic phosphodiesterase	2					0	
chaf1a protein	2				0	0	
chaperone activity of bc1 complex-mitochondrial	2	0					
chaperone activity of bc1 complex-mitochondrial precursor	2	0	0				
chaperone activity of bc1 complex-mitochondrial-like	2		0				0
charged multivesicular body protein 1b	2	0		0			
charged multivesicular body protein 4b	2	0	0				
checkpoint protein hus1	2	0	0				
chemokine (c-x-c motif) ligand 6	2			0		0	
chemokine-like receptor 1	2	0					
chemokine-like receptor 1-like	2				0		0
chimerin 1	2					0	0
chloride channel 3	2		0			0	
chloride channel protein 2-like	2					0	
chloride intracellular channel 5	2	0	0				
chloride intracellular channel protein 2	2	0		0			
chm protein	2	0					
chmp member 7	2	0					0
cholecystokinin	2					0	0
cholesterol 24-hydroxylase-like	2		0				
cholesteryl ester transfer plasma	2		0	0			
cholesteryl ester transfer protein	2		0	0			
choline ethanolamine phosphotransferase 1	2	0	0				

choline ethanolaminephosphotransferase 1	2							0
chondroitin sulfate proteoglycan 5	2					0	0	
choriogenin h minor	2				0			
chromatin accessibility complex 1	2	0		0				
chromodomain helicase dna binding protein 2	2	0						
chromodomain helicase dna binding protein 4	2		0			0		
chromodomain helicase dna binding protein 5	2					0		
chromodomain helicase dna binding protein 8	2					0		
chromosome 1 open reading frame 57	2	0		0				
chromosome 1 open reading frame 9	2	0	0					
chromosome 10 open reading frame 65	2		0					
chromosome 12 open reading frame 23	2		0	0				
chromosome 14 open reading frame 133	2	0						
chromosome 15 open reading frame 29	2	0						
chromosome 15 open reading frame 43	2		0				0	
chromosome 16 open reading frame 7	2	0	0					
chromosome 17 open reading frame 37	2	0		0				
chromosome 18 open reading frame 45	2	0	0					
chromosome 19 open reading frame 29	2		0			0		
chromosome 19 open reading frame 50	2	0				0		
chromosome 19 open reading frame 52	2	0		0				
chromosome 20 open reading frame 54	2	0						
chromosome 21 open reading frame 2	2	0				0		
chromosome 5 open reading frame 15	2	0		0				
chromosome 5 open reading frame 24	2	0					0	
chromosome 6 open reading frame 130	2	0				0		
chromosome 9 open reading frame 114	2	0	0					
chromosome 9 open reading frame 3	2	0						
chromosome transmission fidelity protein 8 homolog	2	0			0			
churchill protein	2						0	
ciliary rootlet coiled- rootletin	2					0		0
c-jun protein	2	0	0					
class e basic helix-loop-helix protein 40	2	0						
class member 1	2		0			0		
class member 2	2		0					
class type 11c	2	0				0		
class type 9a	2	0	0					
clathrin coat assembly protein ap180	2					0		0
clathrin heavy chain 1-like	2					0		0
clathrin interactor 1	2	0		0				
clathrin light chain b	2	0				0		
claudin 7	2					0		
claudin domain containing 1	2	0						0
claudin gene 1	2					0		
claudin-like protein zf4a22	2					0		
cleavage and polyadenylation specificity factor subunit 5	2	0		0				
cleavage stimulation factor subunit 3	2	0						0
clrn2 protein	2	0						
cmp-n-acetylneuraminate-beta-galactosamide-alpha- -sialyltransferase 4 isoform 1	2		0					
cmp-n-acetylneuraminate-beta-galactosamide-alpha- -sialyltransferase 4-like	2							0
c-myc promoter-binding protein	2					0		
coactivator-associated arginine methyltransferase 1	2	0						
coagulation factor ix precursor	2					0		0
coagulation factor viii	2	0	0					
coagulation factor x-like	2					0		

coatomer protein subunit gamma 2	2		0		0	
coatomer subunit beta -like	2				0	0
coatomer subunit epsilon-like	2					0
cocaine- and amphetamine-regulated transcript protein	2	0				
coenzyme q10 homolog b (cerevisiae)	2	0	0			
coenzyme q2 prenyltransferase	2	0				
coenzyme q-binding protein coq10 homolog mitochondrial-like	2				0	
cohesin loading complex subunit scc4 homolog	2	0	0			
coiled-coil domain containing 137	2	0				
coiled-coil domain containing 44	2	0				
coiled-coil domain containing 45	2	0	0			
coiled-coil domain containing 55	2	0	0			
coiled-coil domain-containing protein 104	2					0
coiled-coil domain-containing protein 106	2				0	0
coiled-coil domain-containing protein 124-like	2				0	0
coiled-coil domain-containing protein 23	2		0			0
coiled-coil domain-containing protein 40-like	2					0
coiled-coil domain-containing protein 43-like	2				0	
coiled-coil domain-containing protein 58	2	0	0			
coiled-coil domain-containing protein 75	2	0				0
coiled-coil-helix-coiled-coil-helix domain-containing protein mitochondrial-like	2				0	0
collagen alpha-2 chain-like	2	0				0
collagen alpha-3 chain	2	0				
collagen alpha-4 chain- partial	2	0				
collagen triple helix repeat containing 1	2	0				
collagen type i alpha 2	2				0	0
collagen type iv alpha-3-binding	2	0	0			
collagen-like triple helix repeat protein	2				0	0
collectin sub-family member 12	2	0				
comm domain containing 4	2	0			0	
comm domain-containing protein 5	2	0	0			
comm domain-containing protein 6	2	0				0
complement c1q-like protein 2-like	2		0			
complement c1s subcomponent	2	0	0			
complement component alpha polypeptide	2		0	0		
complement component c4	2				0	0
complement component c7 precursor	2		0	0		
complement component gamma polypeptide	2		0	0		
complement factor b precursor	2				0	
complement factor d	2	0	0			
complement factor h1 protein	2				0	0
complement factor h-related 4	2		0	0		
complement factor partial	2				0	
complement regulatory plasma protein	2		0			
complexin 1	2					0
component of oligomeric golgi complex 5	2	0			0	
condensin complex subunit 3	2		0	0		
conserved domain protein	2	0				0
conserved hypothetical protein [Ixodes scapularis]	2		0		0	
conserved hypothetical protein [Perkinsus marinus ATCC 50983]	2					0
conserved oligomeric golgi complex subunit 7	2					0
contactin 6	2	0			0	
contactin a	2				0	
contactin associated 2	2				0	

contactin-1 precursor	2				0	0
contactin-associated protein 1-like	2				0	
cop9 constitutive photomorphogenic homolog subunit 4	2		0		0	
cop9 signalosome complex subunit 2	2			0		
copia ltr rider	2			0		
copine v	2				0	
corin variant1-like	2				0	0
coronin 6	2	0				
coronin 6 clipin e type c isoform 1	2	0			0	
coronin 7	2	0				
cox16-like protein c14orf112 mitochondrial precursor	2				0	0
creatine kinase b-type	2				0	0
creatine mitochondrial 2	2	0				
creb-binding protein	2	0			0	
cse1 chromosome segregation 1-like	2		0		0	
esp and trap-related protein	2				0	0
esrp2 binding protein	2	0			0	
c-terminal binding protein 1	2	0			0	
ctp synthase	2	0			0	
ctp synthase 1	2	0	0			
c-type lectin domain family 10 member a-like	2				0	
c-type lectin domain family 4 member m	2		0			
c-type lectin domain family member b	2	0			0	
c-type natriuretic peptide 1 precursor	2					0 0
cullin 4a	2				0 0	
cullin 5	2	0				
cullin-associated nedd8-dissociated protein 1	2		0		0	
cyclic amp-dependent transcription factor atf-6 alpha-like protein	2	0				
cyclin e2	2	0				
cyclin f	2			0		
cyclin g associated kinase	2				0	0
cyclin h	2	0			0	
cyclin l1	2	0	0			
cyclin t2	2	0	0			
cyclin y-like 1	2			0	0	
cyclin-dependent kinase 11b	2		0		0	
cyclin-dependent kinase inhibitor 1b	2		0			
cyclooxygenase 1	2	0				
cystatin b	2			0		0
cysteine mitochondrial	2	0			0	
cysteinyl-trna cytoplasmic	2	0				
cystine glutamate transporter	2				0	
cytidylate kinase	2		0			0
cytochrome b- alpha polypeptide	2	0		0		
cytochrome b5 domain containing 2	2	0			0	
cytochrome c oxidase assembly protein cox19	2	0	0			
cytochrome p450 2k1-like	2		0	0		
cytokine induced apoptosis inhibitor 1	2	0			0	
cytokine receptor family member b13	2	0				
cytokine-inducible sh2-containing protein	2	0		0		
cytoplasmic fmr1-interacting protein 2	2				0	
cytoplasmic fmr1-interacting protein 2-like	2				0	
cytoskeleton-associated protein 5	2				0	0
cytosolic 5 -nucleotidase 3	2	0		0		
cytosolic iron-sulfur protein assembly 1 homolog (cerevisiae)	2	0		0		
cytosolic nonspecific dipeptidase	2		0			0

d chain crystal structure of the pyruvate dehydrogenase component of human pyruvate dehydrogenase complex	2					0
d-2-hydroxyglutarate dehydrogenase	2	0	0			
d-3-phosphoglycerate dehydrogenase	2				0	0
dachsous 1	2				0	
damage-regulated autophagy modulator	2	0	0			
dclk2 protein	2					0
dead (asp-glu-ala-asp) box polypeptide 17	2	0			0	
dead (asp-glu-ala-asp) box polypeptide 46	2	0	0			
dead (asp-glu-ala-asp) box polypeptide 5	2		0	0		
deah (asp-glu-ala-his) box polypeptide 33	2			0		
deah (asp-glu-ala-his) box polypeptide 35	2	0				
dec-205 cd205	2	0				
decaprenyl-diphosphate synthase subunit 1	2			0		0
dedicator of cytokinesis 1	2		0			
dedicator of cytokinesis 2	2	0				
dedicator of cytokinesis protein 9	2	0			0	
dedicator of cytokinesis protein 9-like	2	0			0	
degenerative spermatocyte homolog lipid desaturase	2		0	0		
dehydrogenase reductase (sdr family) member 7	2	0			0	
dehydrogenase reductase sdr family member 11-like	2			0		0
dehydrogenase reductase sdr family member 12-like	2					0
dek oncogene (dna binding)	2	0			0	
denn domain-containing protein 5b-like	2	0	0			
denn madd domain containing 1a	2	0			0	
denn madd domain containing 5a	2				0	0
dennd4a protein	2	0				
deoxyribonuclease tatdn3-like	2	0				
deoxyuridine triphosphatase	2	0	0			
der1-like domain member 1	2	0	0			
der1-like domain member 2	2	0	0			
desmin	2	0				
destrin	2	0			0	
dexamethasone-induced 1	2				0	0
diacylglycerol delta 130kda isoform 1	2	0				
diaphanous 2	2				0	0
diaphanous homolog 2	2	0			0	
diaphanous homolog 3	2	0		0		
differentially expressed in fdcp 6 homolog	2		0			
differentially regulated trout protein 1	2		0	0		
digestive organ expansion factor homolog	2	0				0
dihydrolipoamide s-acetyltransferase (e2 component of pyruvate dehydrogenase complex)	2	0	0			
dihydroorotate dehydrogenase	2	0	0			
-dihydroxyvitamin d 24- mitochondrial	2		0			
dipeptidyl peptidase 3	2		0			
disabled homolog mitogen-responsive phosphoprotein	2	0	0			
discoidin domain receptor tyrosine kinase 2	2	0				
disks large homolog 2-like	2					0
disks large-associated protein 4	2				0	
dj-1 protein	2				0	0
dmx-like 1 isoform 1	2				0	
dmx-like protein 2-like	2				0	

dna polymerase delta subunit 4	2	0	0				
dna repair protein xrcc1	2			0		0	
dna repair protein xrcc4	2	0			0		
dna replication inhibitor	2	0					
dna replication licensing factor mcm5	2			0			
dna replication licensing factor mcm7	2	0		0			
dna replication licensing factor mcm7-like	2			0			
dna translocase	2			0			
dna-binding protein rfx7-like	2					0	
dna-binding protein rfxank	2	0					
dna-directed rna polymerase i subunit rpa12	2	0				0	
dna-directed rna polymerase ii subunit rpb3	2		0				0
dna-directed rna polymerase ii subunit rpb9	2	0					
dna-directed rna polymerase iii subunit rpc7	2			0			
dna-directed rna polymerases i and iii subunit rpa1	2			0			0
dnaj homolog subfamily a member 2-like	2						0
dnaj homolog subfamily a member 4	2			0			
dnaj homolog subfamily c member 18	2			0			0
dnaj homolog subfamily c member 2	2			0		0	
dock9 protein	2	0				0	
dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1-like	2						0
dol-p-glc:glc man c -pp-dol alpha- -glucosyltransferase-like	2			0			0
dom-3 homolog z (elegans)	2	0	0				
domain containing 3	2	0	0				
domain protein dehydratase	2	0					0
double-stranded rna activated protein kinase	2		0		0		
dpy-19-like 4 (elegans)	2	0					
dr1-associated corepressor	2	0	0				
dsc21 protein	2		0				0
dspa protein	2						0
dtw domain containing 1	2	0				0	
dual specificity mitogen-activated protein kinase kinase 6	2	0	0				
dual specificity phosphatase 12	2	0	0				
dual specificity phosphatase 5	2	0				0	
dual specificity protein kinase clk4	2		0				
dual specificity protein phosphatase 7	2	0					0
dutp pyrophosphatase	2				0		
dynactin 5	2	0			0		
dynamamin 1	2					0	
dystroglycan 1 (dystrophin-associated glycoprotein 1)	2	0				0	
e2a-1 transcription factor	2	0				0	
e3 ubiquitin isg15 ligase trim25	2		0	0			
e3 ubiquitin-protein ligase itchy homolog	2					0	
e3 ubiquitin-protein ligase mib2	2		0				
e3 ubiquitin-protein ligase pdzrn3	2						0
e3 ubiquitin-protein ligase ubr7-like	2				0		
early b-cell factor 1	2	0					
ebna1 binding protein 2	2		0	0			
ectoderm-neural cortex protein 1	2					0	
ectodysplasin splice variant-9 exons	2	0			0		
ectonucleoside triphosphate diphosphohydrolase 2	2		0	0			
ectonucleotide pyrophosphatase phosphodiesterase 4 (function)	2					0	

ectonucleotide pyrophosphatase	2	0						
phosphodiesterase 5 (function)								
eef1a1 protein	2							0
ef-hand domain member a2	2	0						
ef-hand domain-containing family member a2	2		0			0		
ef-hand domain-containing protein d2	2	0		0				
ef-hand domain-containing protein kiaa0494-like	2	0	0					
egf- fibronectin type iii and laminin g domains	2			0				
egf-like domain 7	2			0		0		
eh domain-binding protein 1 isoform 3	2					0	0	
elastase pancreatic	2		0					
elastin microfibril interfacier 2	2	0	0					
electron-transferring-flavoprotein dehydrogenase	2		0					
ell associated factor 2	2	0						0
elmo ced-12 domain containing 1	2					0		
elmo domain-containing protein 1	2	0				0		
elmo domain-containing protein 2	2		0	0				
elongation factor 1 alpha isoform 42sp50	2				0			
elongation factor 1-alpha 1-like	2					0		0
elongation factor rna polymerase ii	2	0					0	
elongation factor-2 kinase	2	0				0		
elongation of very long chain fatty acids protein 4	2	0					0	
elongation of very long chain fatty acids protein 6	2	0	0					
embryonic muscle myosin heavy chain	2	0						
endo-alpha	2		0			0		
endonuclease domain-containing 1	2		0					
endonuclease reverse partial	2					0	0	
endonuclease-reverse transcriptase -e01	2							0
endopeptidase type m3	2	0						
endoplasmic reticulum lectin 1 isoform 3	2			0			0	
endoplasmic reticulum-golgi intermediate compartment 1	2	0						
endoplasmic reticulum-golgi intermediate compartment protein 2	2	0						
endoribonuclease dicer	2	0						
endosulfine alpha	2	0					0	
endothelial differentiation-related factor 1	2	0	0					
endothelial differentiation-related factor 1 variant 1	2			0			0	
endothelial lipase	2	0	0					
endothelin-converting enzyme 1	2	0	0					
enolase 2	2					0		0
enoyl coenzyme a hydratase domain containing 3	2			0				0
ependymin	2						0	0
eph receptor b2	2	0				0		
ephrin-b1	2	0				0		
epithelial cell adhesion molecule	2	0						
epithelial stromal interaction 1	2	0	0					
epsilon 1	2	0						
equilibrative nucleoside transporter 1	2	0		0				
equilibrative nucleoside transporter 3-like	2	0	0					
er degradation-enhancing alpha-mannosidase-like 3-like	2		0					0
er lipid raft associated 2	2		0					0
er lumen protein retaining receptor 2	2		0					0

ergic and golgi 2	2	o						
ero1-like beta (cerevisiae)	2			o				
erythroblast membrane-associated	2	o					o	
erythrocyte membrane protein band -like 2	2					o		o
estrogen receptor alpha	2			o				
estrogen-regulated protein	2	o			o			
euchromatic histone-lysine n-methyltransferase 2	2	o						o
eukaryotic translation elongation factor 1 epsilon 1	2	o	o					
eukaryotic translation initiation factor 1	2	o				o		
eukaryotic translation initiation factor 2 subunit 2	2							o
eukaryotic translation initiation factor 2-alpha kinase 1	2				o			
eukaryotic translation initiation factor 2-alpha kinase 2	2			o				
eukaryotic translation initiation factor 3 subunit 3 gamma	2	o						
eukaryotic translation initiation factor 4 gamma 2-like	2							o
eukaryotic translation initiation factor 4b	2		o			o		
eukaryotic translation initiation factor 4e binding protein 2	2	o					o	
eukaryotic translation initiation factor 4e nuclear import factor 1	2	o						
eukaryotic translation initiation factor 4e type 2	2				o			
eukaryotic translation initiation factor 4e-1a-binding protein	2	o				o		
eukaryotic translation initiation factor gamma 1	2	o						
eukaryotic translation initiation factor isoform 2	2	o					o	
eukaryotic translation initiation factor subunit 10	2		o					o
eukaryotic translation initiation factor subunit 3 gamma	2	o		o				
excision repair cross-complementing rodent repair deficiency complementation group 1	2	o						
exocyst complex component 5	2	o	o					
exosome complex exonuclease rrp41	2	o		o				
exosome component 6	2		o		o			
exostoses 2	2	o	o					
exostosin-2	2						o	o
exostosin-like 2	2	o	o					
exportin 6	2		o				o	
exportin crm1 homolog	2	o	o					
extracellular matrix protein 1 precursor	2							o
f10 protein	2		o	o				
factor in the germline alpha	2				o			
factor viii intron 22 protein	2		o					
fam54b protein	2	o						o
family with sequence similarity 120c	2	o					o	
family with sequence similarity 62 (c2 domain containing) member a	2	o						
family with sequence similarity member a-like	2	o						
far upstream element binding protein 3	2	o	o					
fas associated factor family member 2	2			o		o		
fas-associated factor 2	2		o				o	

fast kinase domain-containing protein 3	2	o						
fast kinase domains 2	2	o	o					
fat storage-inducing transmembrane protein 1	2	o						
fatty acid-binding intestinal	2	o	o					
f-box and wd-40 domain protein 11	2	o						
f-box only protein 6b	2					o		o
f-box protein 33	2						o	
f-box wd repeat-containing protein 7 isoform 1	2	o						
ferm domain containing 4b	2	o		o				
ferredoxin 1	2	o				o		
ferritin high chain	2					o		o
fetuin-B [Perca flavescens]	2		o	o				
fibrillarlin	2	o	o					
fibrinogen and fibronectin	2							o
fibrinogen-like 2	2	o		o				
fibroblast growth factor 12	2						o	o
fibroblast growth factor 13	2	o						
fibroblast growth factor receptor 1	2		o				o	
fibronectin type iii and sry domain containing 2	2	o						
fibronectin type iii domain-containing protein 7-like	2							o
fk506 binding protein 4	2	o	o					
fk506 binding protein 5	2		o				o	
fk506 binding protein 65 kda	2					o		o
flap endonuclease 1-b	2	o	o					
flavin reductase	2	o	o					
flotillin 2	2	o	o					
folliculin interacting protein 1	2	o						
follistatin-like 1	2	o	o					
forkhead box a2	2		o					
forkhead box k2	2	o						o
forkhead box p4 isoform 1	2						o	
formiminotransferase cyclodeaminase	2		o					
four and a half lim domains 3	2	o				o		
four and a half lim domains protein 1	2	o						
fras1 related extracellular matrix protein 2	2	o						
fructose- -bisphosphatase	2	o	o					
fumarylacetoacetate hydrolase domain containing 2a	2	o	o					
fxyd domain-containing ion transport regulator 6 precursor	2						o	o
fyve-finger-containing rab5 effector protein rabenosyn-5	2	o	o					
g patch domain and kow motifs	2	o	o					
g protein-coupled receptor 142	2						o	
g protein-coupled receptor 177	2	o						o
g protein-coupled receptor 98	2	o				o		
ga-binding protein alpha chain	2							o
gag-pol precursor polyprotein	2		o					o
galactocerebrosidase precursor	2	o	o					
galactosamine (n-acetyl)-6-sulfate sulfatase	2	o						
galactoside- 2	2			o		o		
galactoside- 8 (galectin 8)	2	o	o					
galactosylceramide sulfotransferase	2	o				o		
galectin 3	2	o						
gamma polypeptide	2					o		
gamma2-synuclein [Takifugu rubripes]	2	o						
gamma-aminobutyric acid a gamma 1	2						o	o

gamma-aminobutyric acid b receptor 2	2				0	0	
gamma-aminobutyric acid receptor subunit alpha-1 precursor	2				0		0
gamma-aminobutyric acid receptor subunit rho-3	2	0					
gamma-glutamyl carboxylase	2		0	0			
gamma-glutamyl cyclotransferase	2			0			0
gamma-glutamyltransferase 5	2	0					
gamma-glutamyltransferase 7	2						0
gamma-secretase subunit aph-1b	2		0			0	
ganglioside sialidase	2				0		0
gap junction gamma-1 protein	2	0	0				
gastrula zinc finger	2				0		
gata zinc finger domain containing 2a	2	0				0	
gdp-mannose pyrophosphorylase a	2	0					
gem-associated protein 7	2	0					0
general transcription factor 3c polypeptide 3	2		0				
general transcription factor 3c polypeptide 6	2	0		0			
general transcription factor iif subunit 1	2			0		0	
general transcription factor polypeptide 30kda	2	0	0				
general transcription factor polypeptide 74kda	2	0					0
general transcription factor polypeptide beta 34kda	2						0
genetic suppressor element 1	2	0					0
ggnbp2 protein	2	0	0				
gla-rich protein	2	0					
gli pathogenesis-related 2	2	0					0
glucagon receptor	2		0			0	
glucokinase regulatory protein	2		0	0			
glucosamine (n-acetyl)-6-sulfatase	2	0					
glucosamine-6-phosphate isomerase 1	2		0				0
glucose-6-phosphate translocase	2				0		0
glucosylceramidase isoform 2	2			0			0
glutamate ampa	2						0
glutamate metabotropic 1	2					0	0
glutamate n-methyl d-aspartate 2d	2			0		0	
glutamine rich 2-like isoform 1	2				0		
glutamine-rich protein 1	2	0					0
glutaminyl-peptide cyclotransferase	2		0	0			
glutaminyl-trna synthetase-like	2		0		0		
glutaredoxin-like protein ydr286c homolog	2	0				0	
glutathione peroxidase 2	2	0				0	
glutathione peroxidase 6 precursor	2				0		
glutathione peroxidase 7	2	0				0	
glutathione s-transferase a	2						0
glyceraldehyde-3-phosphate liver	2	0					0
glycerate kinase	2		0				
glycerol-3-phosphate acyltransferase mitochondrial	2		0				0
glycine beta	2	0					0
glycine c-acetyltransferase (2-amino-3-ketobutyrate-coenzyme a ligase)	2	0	0				
glycine n-acyltransferase-like protein 3	2	0		0			
glycine n-methyltransferase	2		0				
glycogen	2	0			0		
glycogen phosphorylase	2				0		
glycogen synthase kinase-3 beta	2					0	
glycoprotein endo-alpha- -mannosidase	2		0	0			

glycoprotein m6a	2	0			0		
glycoprotein-n-acetylgalactosamine 3-beta-galactosyltransferase 1	2						0
glyoxalase domain-containing protein 5	2			0		0	
gnas complex locus	2	0					
golgi golgin subfamily 4	2				0		
golgi ph regulator	2	0			0		
golgi reassembly-stacking protein 1-like	2				0		0
golgi-specific brefeldin a-resistance guanine nucleotide exchange factor 1	2	0		0			
gon-4-like protein	2						0
gpi-anchored adp-ribosyltransferase	2	0					
gpn-loop gtpase 2-like	2						0
gram domain-containing protein 1b	2					0	0
granzyme f	2	0	0				
grb10 interacting gyf protein 2 protein	2	0	0				
growth arrest and dna damage-inducible proteins-interacting protein 1	2						0
growth arrest and dna-damage-inducible protein gadd45 gamma	2					0	0
growth arrest-specific 6	2	0	0				
growth hormone receptor	2	0					
growth hormone receptor type ii	2	0	0				
grpe protein homolog mitochondrial-like	2					0	
gsk3-beta interaction protein	2	0		0			
gtp cyclohydrolase 1	2		0		0		
gtpase activating protein (sh3 domain) binding protein 2	2		0				0
gtpase activating protein and vps9 domains 1	2	0				0	
gtpase activating rap domain-like 1	2					0	0
gtp-gdp dissociation stimulator 1	2	0					0
guanine nucleotide binding alpha inhibiting 1	2		0	0			
guanine nucleotide binding protein (g protein) alpha activating activity polypeptide o	2					0	0
guanine nucleotide binding protein (g protein) alpha inhibiting activity polypeptide 3	2	0					0
guanine nucleotide binding protein (g protein) beta polypeptide 2-like 1	2						0
guanine nucleotide binding protein (g protein) gamma 10	2	0					0
guanine nucleotide exchange factor dbs	2					0	
guanine nucleotide exchange factor dbs-like	2						0
guanine nucleotide-binding protein g subunit alpha-1	2	0					
guanine nucleotide-binding protein gi gs go subunit gamma-5 precursor	2					0	0
guanine nucleotide-binding protein gi gs gt subunit beta-1	2					0	0
guanine nucleotide-binding protein subunit beta-5	2						0
guanosine monophosphate reductase	2	0					0
h aca ribonucleoprotein complex subunit 2-like	2		0		0		
h aca ribonucleoprotein complex subunit 2-like protein	2	0			0		
h g transactivated protein 2 isoform 1	2					0	0
h+ lysosomal 56 v1 subunit b2	2	0		0			
h+ lysosomal v0 subunit b	2	0	0				
h+ transporting atp synthase beta subunit	2						0
h1 histone	2				0	0	

h2a histone member v	2		0		0			
h2a histone member y	2	0			0			
haloacid dehalogenase-like hydrolase domain containing 2	2	0	0					
hat family dimerisation domain containing protein	2	0						
hCG2045189 [Homo sapiens]	2				0		0	
heart of glass	2	0						
heat shock 27kda protein 1	2	0						0
heat shock 70 kda protein 12a	2					0	0	
heat shock 70 kda protein 4l	2						0	0
heat shock 70 kda protein 4-like	2				0			
heat shock 70kda protein 5	2			0				
heat shock cognate 71 kda	2		0			0		
heat shock protein alpha-like	2				0			
heat shock protein beta member 1	2	0		0				
heavy chain 7b	2	0						
heavy polypeptide 200kda-like isoform 2	2	0						
heavy polypeptide non-muscle	2		0				0	
hect domain and rld 2	2					0	0	
hect domain and rld 4 isoform 1	2	0		0				
hect domain containing 3	2	0	0					
hedgehog interacting 1	2			0		0		
helicase arip4	2	0						
hematopoietic signal peptide-containing precursor	2		0			0		
heme-binding protein 1	2	0						0
hemimethylated dna binding domain-containing protein	2		0	0				
heparan sulfate proteoglycan 2	2		0			0		
heparin-binding growth factor 1	2	0						0
hepatocellular carcinoma-associated antigen isoform cra_a	2		0	0				
hepatocyte growth factor	2	0	0					
hepatocyte growth factor activator	2		0					
hepatoma-derived growth related protein 2	2	0						
heterogeneous nuclear ribonucleoprotein a0	2	0	0					
heterogeneous nuclear ribonucleoprotein a0-like	2				0			0
heterogeneous nuclear ribonucleoprotein u-like protein 1	2	0	0					
hexokinase 2	2	0	0					
hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	2		0	0				
high mobility group nucleosomal binding domain 3	2				0			0
high-mobility group protein 2-like 1	2	0				0		
hippocalcin-like 1	2	0						0
histidine decarboxylase	2		0	0				
histidine kinase- dna gyrase b- and hsp90-like domain containing protein	2	0				0		
histidyl-trna synthetase	2	0				0		
histone acetyltransferase 1	2	0						0
histone chaperone asf1a	2	0						
histone deacetylase 9 protein	2	0						
histone deacetylase 9-like	2					0	0	
histone deacetylase family protein	2	0						
histone -like	2						0	0
histone-lysine n-methyltransferase mll3	2					0		
homeodomain-only protein	2	0				0		

homogentisate -dioxygenase	2	0	0	0	0	0	0	0
homologue of sarcophaga proteinase	2	0	0	0	0	0	0	0
host cell factor c1	2	0	0	0	0	0	0	0
hsp70 protein	2	0	0	0	0	0	0	0
hsp90aa1 protein	2	0	0	0	0	0	0	0
hyaluronan and proteoglycan link protein 1	2	0	0	0	0	0	0	0
hyaluronan-binding protein 2	2	0	0	0	0	0	0	0
hydroxyacid oxidase 1	2	0	0	0	0	0	0	0
hydroxymethylglutaryl- mitochondrial precursor	2	0	0	0	0	0	0	0
hydroxysteroid dehydrogenase like 1	2	0	0	0	0	0	0	0
im:6894757 protein	2	0	0	0	0	0	0	0
immediate early response 5-like	2	0	0	0	0	0	0	0
immunoglobulin member 9	2	0	0	0	0	0	0	0
immunoglobulin member isoform cra_a	2	0	0	0	0	0	0	0
immunoglobulin mu binding protein 2	2	0	0	0	0	0	0	0
importin 11	2	0	0	0	0	0	0	0
importin 5	2	0	0	0	0	0	0	0
importin subunit alpha-3	2	0	0	0	0	0	0	0
inactive dual specificity phosphatase 27	2	0	0	0	0	0	0	0
inactive serine protease 35 precursor	2	0	0	0	0	0	0	0
influenza virus ns1a-binding protein homolog a	2	0	0	0	0	0	0	0
ing defective family member (mlt-10)- partial	2	0	0	0	0	0	0	0
inhibitor of bruton tyrosine kinase	2	0	0	0	0	0	0	0
inhibitor of growth protein 4	2	0	0	0	0	0	0	0
ino80 complex subunit d	2	0	0	0	0	0	0	0
inosine-5 -monophosphate dehydrogenase 2	2	0	0	0	0	0	0	0
inositol -1(or 4)-monophosphatase 1	2	0	0	0	0	0	0	0
inositol monophosphatase 1-like	2	0	0	0	0	0	0	0
insulin receptor partial	2	0	0	0	0	0	0	0
insulin receptor substrate 1-like	2	0	0	0	0	0	0	0
integral membrane protein 2c-like	2	0	0	0	0	0	0	0
integral membrane protein gpr137b-like	2	0	0	0	0	0	0	0
integrator complex subunit 3	2	0	0	0	0	0	0	0
integrator complex subunit 9	2	0	0	0	0	0	0	0
integrin alpha-5	2	0	0	0	0	0	0	0
integrin-linked protein kinase	2	0	0	0	0	0	0	0
intelectin 2	2	0	0	0	0	0	0	0
interacting protein 2	2	0	0	0	0	0	0	0
interferon regulatory factor 2-binding protein 2-a	2	0	0	0	0	0	0	0
interferon regulatory factor 2-binding protein 2-b	2	0	0	0	0	0	0	0
interferon regulatory factor 3	2	0	0	0	0	0	0	0
interferon-induced protein with tetratricopeptide repeats 1	2	0	0	0	0	0	0	0
interleukin 13 alpha 2	2	0	0	0	0	0	0	0
interleukin 18	2	0	0	0	0	0	0	0
interleukin 6 receptor	2	0	0	0	0	0	0	0
interleukin 6 signal transducer (oncostatin m receptor)	2	0	0	0	0	0	0	0
interleukin-17N [Takifugu rubripes]	2	0	0	0	0	0	0	0
interleukin-6 receptor subunit alpha precursor	2	0	0	0	0	0	0	0
intersectin 1 (sh3 domain protein)	2	0	0	0	0	0	0	0
intraflagellar transport 52 homolog	2	0	0	0	0	0	0	0
intraflagellar transport protein 43 homolog	2	0	0	0	0	0	0	0
intron-binding protein aquarius	2	0	0	0	0	0	0	0
iodotyrosine deiodinase	2	0	0	0	0	0	0	0
iq motif and sec7 domain-containing protein 1	2	0	0	0	0	0	0	0

iq motif and sec7 domain-containing protein 3	2			0	0		
islet amyloid polypeptide	2	0	0				
isocitrate dehydrogenase 3 (nad+) gamma	2	0	0				
ist1 homolog	2	0					0
josephin-2	2	0		0			
jumonji domain containing 1c	2	0					
jumonji domain containing 2b	2			0		0	
junctionophilin 1	2	0					
k0090 protein	2	0			0		
kaiso-like zinc finger protein	2				0	0	
karyopherin alpha 3	2	0					
katanin p60 atpase-containing subunit a-like 1	2						0
k-cl cotransporter	2	0			0		
kelch domain containing 3	2	0				0	
kelch repeat and btb domain containing 10	2	0					
kelch repeat and btb domain containing 5	2	0					
kelch-like 13	2	0				0	
kelch-like 23	2	0					
kelch-like protein 30	2	0					
keratin-like protein krt222	2	0					
keratinocyte growth factor	2			0			
ketoheokinase	2	0					
kh domain- rna- signal transduction-associated protein 1	2					0	0
kiaa0310 protein	2	0					
kiaa0513 protein	2				0		
kiaa0528 protein	2	0	0				
kiaa0614 protein	2		0			0	
kiaa0649 protein	2	0		0			
kiaa0913 protein	2	0	0				
kiaa1143 homolog	2	0		0			
kiaa1250 protein	2					0	
kiaa2005 protein	2	0					
kif1-binding protein	2				0	0	
kinectin 1	2		0				0
kinesin family member 15	2	0				0	
kinesin family member 2c	2	0	0				
kinesin family member 5c	2					0	0
kinesin heavy chain isoform 5c	2						0
kinesin light chain 1	2			0			0
kinesin-1 heavy chain	2		0			0	
kinesin-associated protein 3	2					0	0
kinesin-like protein	2	0					0
kinesin-like protein kif14	2			0			
kinesin-like protein kif1a-like	2					0	
kinesin-like protein kif22	2		0			0	
kinesin-like protein kif2a isoform 1	2				0		0
kinesin-like protein surhe	2			0			
kininogen-1 isoform 2	2			0			
kininogen-1 precursor	2		0	0			
kn motif and ankyrin repeat domain-containing protein 1	2		0	0			
krr1 small subunit processome component homolog	2				0		0
kruppel-like factor 2	2	0					
kti12 homolog	2	0				0	
la ribonucleoprotein domain member 4 protein	2					0	0
lamina-associated polypeptide isoforms beta delta epsilon gamma-like	2			0			
lantibiotic synthetase component c-like 1	2		0		0		

la-related protein 4	2	o	o					
la-related protein 7	2	o				o		
large subunit gtpase 1 homolog	2	o			o			
large subunit ribosomal protein 23	2				o			o
las1-like (cerevisiae)	2	o				o		
latent transforming growth factor beta binding protein 3	2	o						
lathosterol oxidase	2	o						
latrophilin 3	2					o		
latrophilin-2-like isoform 2	2					o	o	
lchn protein	2					o		o
ldb1a protein	2	o						
ldlr chaperone mesd-like	2				o			o
lecithin retinol acyltransferase-like	2		o					o
leucine aminopeptidase 3	2	o						
leucine- glioma inactivated 1a	2					o	o	
leucine rich repeat (in flii) interacting protein 1	2	o						
leucine rich repeat and fibronectin type iii domain containing 5	2					o		
leucine rich repeat containing 4	2					o		o
leucine rich repeat containing 7	2					o		
leucine rich repeat neuronal 1	2					o		
leucine rich repeat neuronal 3	2	o				o		
leucine rich repeat neuronal isoform cra_b	2				o	o		
leucine zipper and cttnbip1 domain containing	2	o						
leucine zipper transcription factor-like 1	2	o				o		
leucine-rich alpha-2-glycoprotein	2		o		o			
leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 3-like	2					o	o	
leucine-rich repeat transmembrane neuronal protein 1-like	2	o				o		
leucine-rich repeat-containing g-protein coupled receptor 6	2							o
leucine-rich repeat-containing protein 33 precursor	2	o	o					
leucine-rich repeat-containing protein 69	2				o			
leucine-rich repeat-containing protein 7-like	2					o	o	
leucine-rich tropomodulin and proline-rich containing protein	2					o	o	
leucyl cystinyl aminopeptidase	2	o				o		
leucyl-trna synthetase	2		o					
leukocyte cell-derived chemotaxin 2 precursor	2		o	o				
leukocyte receptor cluster member 8	2	o				o		
leukocyte surface protein precursor	2	o						
leukotriene a-4 hydrolase	2	o						
ligand dependent nuclear receptor corepressor-like	2	o				o		
ligatin	2	o						
light chain alkali embryonic	2	o						
lim and calponin homology domains-containing protein 1	2	o	o					
lim and sh3 domain protein 1	2					o	o	
lim domain and actin-binding protein 1-like	2				o			o
lim domain kinase 1	2	o				o		
limb and neural patterns	2	o		o				
lin-37 homolog	2	o					o	
lipase lysosomal cholesterol esterase	2		o	o				

lipase maturation factor 2	2	o	o				
lipin 1	2	o					
lipin 2	2	o				o	
lipopolysaccharide-responsive and beige-like anchor protein	2						o
lissencephaly-1 homolog	2					o	
lissencephaly-1 homolog a	2						o
liver carboxylesterase 2-like	2		o	o			
liver-expressed antimicrobial peptide 2	2		o	o			
lman2l protein	2	o					
loc100002393 protein	2					o	o
loc100137634 protein	2	o	o				
loc361985 protein	2	o		o			
loc398446 protein	2	o				o	
loc443676 protein	2	o					
loc445837 protein	2				o		
loc553425 protein	2					o	o
loc556764 protein	2		o				
loc565172 protein	2						o
loc568230 protein	2	o				o	
loc733342 protein	2	o	o				
loc792676 protein	2	o				o	
loc798996 protein	2				o		
lon peptidase n-terminal domain and ring finger 2	2	o	o				
long-chain-fatty-acid-- ligase 1	2		o				o
low density lipo protein 1b (deleted in tumors)	2					o	o
low quality protein: glucoside xylosyltransferase 1-like	2				o		o
low quality protein: gon-4-like	2						o
low quality protein: lysine-specific demethylase 5b-like	2	o				o	
low quality protein: neurogenic locus notch homolog protein 3-like	2	o					
low quality protein: xin actin-binding repeat-containing protein 2-like	2	o					
Irr and pyd domains-containing protein 12-like	2		o			o	
Irr and pyd domains-containing protein 14-like	2		o				o
lsm2 u6 small nuclear rna associated (cerevisiae)	2	o				o	
lsm4 u6 small nuclear rna associated (cerevisiae)	2				o		o
lsm7 u6 small nuclear rna associated (cerevisiae)	2		o			o	
ltv1 homolog (cerevisiae)	2	o				o	
luc7-like protein 3	2	o		o			
lumican	2	o	o				
ly6 plaur domain containing 1	2					o	o
lymphocyte g0 g1 switch protein 2	2	o				o	
lyr motif-containing protein 2	2	o	o				
lysm and peptidoglycan-binding domain-containing protein 3	2		o		o		
lysophosphatidic acid receptor 4	2						o
lysophosphatidylcholine acyltransferase 3	2	o					
lysosomal protective protein precursor	2				o		
lysozyme c ii precursor	2		o	o			
lysozyme g	2	o					

lysyl oxidase	2	0	0					
lysyl oxidase-like 2	2	0						
lysyl oxidase-like 3	2	0						
macrophage mannose receptor 1-like	2				0			
mad2 mitotic arrest deficient-like 1	2	0	0					
magnesium transporter 1	2	0			0			
major facilitator superfamily domain containing 11	2		0	0				
major facilitator superfamily domain-containing protein 6	2	0					0	
malate synthase	2		0	0				
malic enzyme nad(+)- mitochondrial	2	0						
mam domain containing glycosylphosphatidylinositol anchor 1	2						0	0
mammalian ependymin-related protein 1 precursor	2	0					0	
mammalian ependymin-related protein 1-like	2							0
mannan-binding lectin serine protease 2	2		0				0	
mannose receptor c1-like protein	2	0						
mannose-1-phosphate guanyltransferase beta	2				0	0		
mannose-specific lectin precursor	2	0					0	
mannosyl (alpha-)-glycoprotein beta- -n-acetylglucosaminyltransferase	2	0	0					
mannosyl-oligosaccharide glucosidase-like	2					0		
map kinase-activated protein kinase 5	2	0						
map kinase-activating death domain	2						0	
map7 domain containing 1	2		0				0	
mapk activating protein	2	0						
mapk mak mrk overlapping kinase	2						0	0
maspardin-like isoform 1	2					0		
matrin 3	2	0		0				
matrin 3-like	2	0					0	
matrix-remodeling-associated protein 8	2	0						
mediator of rna polymerase ii transcription subunit 17	2	0						0
mediator of rna polymerase ii transcription subunit 18	2				0	0		
mediator of rna polymerase ii transcription subunit 20	2						0	0
mediator of rna polymerase ii transcription subunit 25	2	0						0
mediator of rna polymerase ii transcription subunit 26	2	0						
melanocortin 5 receptor	2						0	
membrane frizzled-related protein	2		0		0			
membrane metallo-endorpeptidase-like 1	2						0	0
membrane protein fam174b precursor	2	0	0					
membrane-associated progesterone receptor component 1	2		0					0
membrane-spanning 4-domains subfamily a member 15	2	0						
membrane-spanning 4-domains subfamily a member 4d	2	0					0	
mesenchymal stem cell protein dscd75 precursor	2	0			0			
met proto-oncogene precursor	2				0			
metabotropic glutamate receptor 8-like	2						0	
metallo-beta-lactamase superfamily	2	0						
metalloreductase steap4	2	0	0					
metastasis suppressor protein 1	2	0						0

metaxin 1	2	0	0			
metaxin 3	2				0	0
methenyltetrahydrofolate synthetase domain containing	2	0	0			
methenyltetrahydrofolate synthetase domain-containing protein	2	0		0		
methionine sulfoxide reductase b2	2		0			0
methylenetetrahydrofolate dehydrogenase (nadp+ dependent) methenyltetrahydrofolate formyltetrahydrofolate synthetase	2		0			
methylmalonic aciduria (cobalamin deficiency) cblb type	2	0			0	
methylmalonyl epimerase	2	0	0			
methylosome protein 50	2	0				0
methyltransferase kiaa1456-like	2				0	0
methyltransferase like 11b	2	0				
methyltransferase like 12	2	0			0	
methyltransferase-like protein 13	2	0				
methyltransferase-like protein 2	2		0	0		
methyltransferase-like protein 7a-like	2				0	0
mflj00348 protein	2	0			0	
mgc83858 protein	2	0				
mhd domain-containing death-inducing protein	2	0				
microfibril-associated glycoprotein 4 precursor	2		0	0		
microfibrillar-associated protein 2	2	0				
microfibrillar-associated protein 3-like	2			0	0	
microfibrillar-associated protein 4-like	2			0		
microsomal triglyceride transfer protein	2		0			
microsomal triglyceride transfer protein large subunit	2			0		
microtubule-associated protein 1a-like	2					0
microtubule-associated protein rp eb family member 1	2				0	0
microtubule-associated protein rp eb family member 3-like	2				0	0
mit domain-containing protein 1-like	2					0
mitochondrial 28s ribosomal protein s25	2		0		0	
mitochondrial carnitine acylcarnitine carrier protein	2	0			0	
mitochondrial carrier triple repeat 1	2			0		0
mitochondrial fission factor-like	2	0				0
mitochondrial folate transporter carrier	2	0	0			
mitochondrial gtpase 1 homolog (cerevisiae)	2		0	0		
mitochondrial gtpase 1 precursor	2	0				
mitochondrial h+-transporting atp synthase fl complex alpha subunit 1	2				0	0
mitochondrial import inner membrane translocase subunit tim16	2		0		0	
mitochondrial import inner membrane translocase subunit tim9 b	2	0	0			
mitochondrial import receptor subunit tom34	2	0				0
mitochondrial intermembrane space import and assembly protein 40	2		0		0	
mitochondrial lon protease-like protein	2			0		0
mitochondrial ribosomal protein l11	2	0	0			
mitochondrial ribosomal protein l13	2	0		0		
mitochondrial ribosomal protein l18	2		0		0	
mitochondrial ribosomal protein l22	2				0	

mitochondrial ribosomal protein l35	2		o	o				
mitochondrial ribosomal protein l44	2		o			o		
mitochondrial ribosomal protein s26	2		o	o				
mitochondrial ribosomal protein s27	2		o	o				
mitochondrial ribosomal protein s5	2		o	o				
mitochondrial thiamine pyrophosphate carrier	2							o
mitochondrial trans-2-enoyl- reductase	2		o					
mitochondrial transcription termination factor	2		o					
mitochondrial uncoupling protein 2	2		o					
mitochondrial-processing peptidase subunit beta-like	2					o		o
mitofusin 2	2		o			o		
mitogen-activated protein kinase 10	2					o	o	
mitogen-activated protein kinase 8 interacting protein 2	2					o	o	
mitogen-activated protein kinase kinase 1	2					o	o	
mitogen-activated protein kinase kinase 4	2				o			o
mitogen-activated protein kinase kinase kinase 3	2		o					
mitogen-activated protein kinase-activated protein kinase 3	2		o					
mitotic-spindle organizing protein 1	2		o					o
mixed-lineage leukemia-like protein	2		o			o		
mll1 mll complex subunit c17orf49-like protein	2		o	o				
mon2 protein	2		o					o
monocyte to macrophage differentiation-associated 2	2			o				
mothers against decapentaplegic homolog 3	2		o			o		
mothers against decapentaplegic homolog 4	2					o		
mps one binder kinase activator-like 1b	2		o					
mps one binder kinase activator-like 2c	2		o					o
mrna export factor	2		o					o
msx2-interacting protein	2					o	o	
mterf domain-containing protein mitochondrial	2					o		o
mterf domain-containing protein mitochondrial precursor	2		o			o		
mucolipin 2	2			o				
multifunctional protein ade2	2			o		o		
multiple egf-like-domains 8	2						o	
multiple inositol polyphosphate histidine 1	2			o				
multiple myeloma tumor-associated protein 2 homolog	2		o			o		
multisynthetase complex auxiliary component p38	2		o			o		
muscleblind-like protein 1-like	2		o					
muted protein	2		o			o		
myelin and lymphocyte protein	2		o			o		
myeloid cell leukemia sequence 1b	2					o		o
myeloid-associated differentiation marker-like protein 2	2		o					
myeloma-overexpressed gene 2 protein homolog	2							o
myo-inositol 1-phosphate synthase a1	2		o					o
myopalladin	2		o					
myosin ie	2		o				o	
myosin light chain 2	2		o					
myosin light chain 3	2		o					
myosin light chain kinase	2		o					

myosin regulatory light chain ventricular cardiac muscle isoform	2	0					
myosin x	2					0	
myosin xviii-like 1	2	0					
myosin-ib isoform 1	2		0			0	
n -(beta-n-acetylglucosaminyl)-l-asparaginase-like	2				0		
na+ k+ alpha 1b polypeptide	2					0	0
n-acetylgalactosaminyltransferase 7	2	0					
n-acetylglucosamine-6-phosphate deacetylase	2	0	0				
n-acetylglucosaminyl-phosphatidylinositol de-n-acetylase	2	0		0			
n-acetylneuraminate lyase	2	0				0	
n-acetylneuraminic acid synthase	2					0	0
n-acetyltransferase esco1	2		0	0			
nadh dehydrogenase subunit 3	2		0			0	
nag-5 protein	2					0	0
n-alpha-acetyltransferase catalytic subunit	2	0				0	
nasal embryonic lhrh factor	2					0	0
nbeal1 protein	2	0					
necdin-like 2	2	0					
nedd4 family interacting protein 2	2			0			0
nedd4 family-interacting protein 2	2		0			0	
nedd8 activating enzyme e1 subunit 1	2	0		0			
nedd8-conjugating enzyme ube2f	2	0					0
nefa-interacting nuclear protein nip30	2	0				0	
nef-associated protein 1	2	0		0			
nef-associated protein 1-like	2	0				0	
neighbor of brca1 gene 1	2		0				
n-ethylmaleimide-sensitive factor attachment alpha	2		0	0			
n-ethylmaleimide-sensitive factor attachment beta	2	0					0
neugrin	2	0		0			
neural cell surface protein f3	2						0
neural precursor cell developmentally down-regulated 4-like	2		0			0	
neural proliferation differentiation and control protein 1 precursor	2	0				0	
neuralized-like protein 2	2	0					
neurensin 1	2					0	0
neurexin 3b	2					0	0
neurobeachin	2					0	0
neuroblastoma-amplified sequence	2						0
neurocan core protein precursor	2						0
neuroendocrine convertase 2 precursor	2					0	0
neuroendocrine protein 7b2	2					0	0
neurofascin homolog	2	0					0
neurofibromin isoform 2	2	0				0	
neurofilament heavy polypeptide	2						0
neurofilament light polypeptide	2					0	0
neurogenic locus notch homolog protein 3 precursor	2					0	0
neuroligin 3b	2					0	
neuronal pentraxin 1	2	0					0
neuronal pentraxin-1-like	2						0
neuron-specific protein family member 2-like	2						0
neuropilin 2b	2	0				0	
neurotrophic tyrosine type 2	2					0	
neutral ceramidase	2		0				

neutrophil cytosol factor 2-like	2			0			
nexilin	2	0					
next to brca1 gene 1 protein	2		0				0
nf-kappa-b inhibitor epsilon	2	0		0			
nhs-like 2	2				0		0
nhs-like protein 2-like	2					0	
nicolin 1	2	0			0		
nicotinamide mononucleotide adenylyltransferase 2	2					0	0
nicotinamide phosphoribosyltransferase	2	0		0			
nif3-like protein 1	2	0	0				
nima (never in mitosis gene a)-related kinase 7	2			0			
ninjurin 2	2		0			0	
nipsnap homolog 3a	2	0	0				
n-myc (and stat) interactor	2	0					0
nodal modulator 2	2	0					
non-metastatic cells protein expressed in non-pou domain-containing octamer-binding protein	2		0	0		0	0
normal mucosa of esophagus-specific gene 1 protein	2	0					0
norrin-like	2				0		
notch gene homolog 1	2					0	0
notchless homolog 1	2	0					0
novel immune type receptor-like	2	0		0			
novel nacht domain containing	2			0			
novel protein (wu:fb14b05)	2		0			0	
novel protein (zgc:112490)	2	0		0			
novel protein (zgc:158450)	2					0	0
novel protein (zgc:56258)	2	0	0				
novel protein ca ⁺⁺ plasma membrane (zgc:92885)	2					0	0
novel protein containing tubulin-binding domains (zgc:103474)	2					0	
novel protein human large homolog-associated protein 2	2					0	
novel protein kiaa1310 (zgc:109953)	2		0	0			
novel protein myosin ib	2	0					0
novel protein piccolo (presynaptic cytomatrix protein)	2	0					0
novel protein sine oculis binding protein homolog	2	0					
novel protein vertebrate ankyrin repeat domain 15	2	0		0			
novel protein vertebrate bruno-like rna binding protein family	2					0	0
novel protein vertebrate cub and sushi multiple domain containing protein family	2					0	
novel protein vertebrate dab2 interacting protein	2					0	
novel protein vertebrate gamma-aminobutyric acid b 2	2		0			0	
novel protein vertebrate granzyme family	2	0					
novel protein vertebrate greb1 protein	2	0		0			
novel protein vertebrate lim and calponin homology domains 1	2	0					
novel protein vertebrate map microtubule affinity-regulating kinase 3 (zgc:153725)	2	0					0
novel protein vertebrate periphilin 1	2		0				0

novel protein vertebrate protein phosphatase 2 (formerly 2a) regulatory subunit b family	2	0					
novel protein vertebrate ubiquitin associated protein 2-like	2	0	0				
novel protein vertebrate udp-glycosyltransferase family	2		0				
novel protein vertebrate yip1 interacting factor homolog b (cerevisiae) (zgc:103562)	2		0		0		
novel protein with a scavenger receptor cysteine-rich domain	2						0
novel protein with zona pellucida-like domain	2	0		0			
novel rho gtpase activation protein	2	0				0	
novel tetraspanin family protein	2				0		0
nt-3 growth factor receptor-like isoform 2	2					0	
ntd5 protein	2	0			0		
ntf2-related export protein 2	2			0	0		
nuak snf1-like 2	2		0				
nuclear autoantigenic sperm	2			0			0
nuclear distribution gene c homolog (nidulans)	2			0			0
nuclear distribution protein nude-like 1-like	2	0				0	
nuclear factor 1 x-type-like	2			0		0	
nuclear factor i isoform cra_c	2			0		0	
nuclear factor i x-like	2			0			0
nuclear factor interleukin-3-regulated protein	2	0	0				
nuclear factor of kappa light polypeptide gene enhancer in b-cells zeta	2		0				
nuclear factor related to kappa-b-binding protein	2	0					0
nuclear prelamin a recognition factor	2	0				0	
nuclear receptor binding protein	2				0	0	
nuclear receptor coactivator 1	2	0				0	
nuclear receptor coactivator 4	2	0	0				
nuclear receptor coactivator 5	2	0	0				
nuclear receptor coactivator 7-like	2					0	
nuclear receptor co-repressor 1	2	0				0	
nuclear receptor subfamily 0 group b member 2	2		0				
nuclear receptor-binding protein 2	2					0	
nuclear transcription factor y subunit beta	2	0	0				
nuclear transcription x-box binding 1	2	0					0
nucleobindin-1 precursor	2						0
nucleolar and coiled-body phosphoprotein 1	2	0				0	
nucleolar complex protein 2 homolog	2	0				0	
nucleolar gtp-binding protein 1	2						0
nucleolar gtp-binding protein 2	2				0	0	
nucleolar pre-rna processing homolog (cerevisiae)	2	0			0		
nucleolar protein 11-like	2	0	0				
nucleolar protein 7-like	2			0			
nucleophosmin	2			0			
nucleophosmin 3	2	0			0		
nucleophosmin-like isoform 1	2	0					
nucleoporin 155kda	2	0					
nucleoporin 62kda	2		0				0
nucleoporin seh1	2	0					0
nucleoprotein tpr-like	2	0					
nucleoside diphosphate kinase b	2	0					
nucleoside diphosphate mitochondrial	2			0			

nucleoside diphosphate-linked moiety x motif mitochondrial-like	2	0						
nudix (nucleoside diphosphate linked moiety x)-type motif 15	2	0			0			
ocia domain-containing protein 2	2	0	0					
olfactomedin 4	2	0						0
olfactomedin-like protein 2b precursor	2					0	0	
olfactory receptor 226-like	2	0						
oligosaccharyl transferase	2	0						
opioid growth factor receptor	2	0						
orf1ab polyprotein	2			0		0		
organic solute transporter subunit alpha-like	2				0			
ornithine decarboxylase antizyme 2	2	0					0	
osteoclast stimulating factor 1	2	0	0					
otoraplin	2					0	0	
oxidation resistance 1	2					0	0	
oxidation resistance protein 1	2					0	0	
oxidative-stress responsive 1	2	0				0		
oxidoreductase htatip2	2				0			0
oxysterol binding 2	2		0					
oxytocin receptor	2	0					0	
p140 gene	2					0	0	
p21-activated protein kinase-interacting protein 1-like	2				0			
p300 cbp-associated factor	2	0					0	
p4hb protein	2	0	0					
p53 and dna damage-regulated protein 1	2	0				0		
pa2g4 protein	2					0		
paired amphipathic helix protein sin3a isoform 1	2	0						
pallidin	2	0	0					
pancreatic alpha-amylase	2	0	0					
pancreatic progenitor cell differentiation and proliferation factor b	2		0		0			
pantothenate kinase 1	2		0				0	
parkinson disease 7 domain-containing protein 1 precursor	2	0				0		
parp1-binding protein	2				0			
parvalbumin alpha	2					0		0
patatin-like phospholipase domain-containing protein 4	2		0					0
pbx knotted 1 homeobox 1	2	0	0					
pci domain-containing protein 2	2	0				0		
pde4dip protein	2	0						
pdgfa associated protein 1	2	0						
pdz and lim domain 4	2	0	0					
pdz and lim domain 5 isoform 1	2	0						
pdz and lim domain 7	2	0						
pdz and lim domain protein 3	2	0						
pdz binding kinase	2	0						
pecanex-like 2	2					0		
pentatricopeptide repeat-containing protein 2	2				0			
peptidase (mitochondrial processing) alpha	2	0	0					
peptidase (mitochondrial processing) beta	2	0						
peptidase astacin	2				0			
peptidase inhibitor 16	2	0				0		
peptidase inhibitor r3hdml-like	2				0			
peptidase m23	2	0						
peptide-n4-n-acetyl-beta-d-glucosaminylasparagine amidase f precursor	2				0			

peptidoglycan recognition protein ii	2		0	0				
peptidyl-prolyl cis-trans isomerase e	2	0						0
peptidyl-prolyl cis-trans isomerase nima-interacting 4	2	0				0		
peptidylprolyl isomerase -like 2	2		0			0		
peptidylprolyl isomerase -like 5	2	0						0
peptidyl-trna hydrolase mitochondrial precursor	2	0		0				
periphilin 1	2	0						
Periphilin-1 [Salmo salar]	2	0		0				
peroxisomal biogenesis factor 11 gamma	2		0					
peroxisomal biogenesis factor 19	2	0	0					
perq amino acid-rich with gyf domain-containing protein 2	2		0	0				
pescadillo homolog containing brct domain	2	0				0		
pest proteolytic signal containing nuclear protein	2	0		0				
ph domain and leucine rich repeat protein phosphatase	2	0						0
phd finger protein 3	2	0						
phd finger protein 5a	2	0				0		
phd finger protein 6	2	0						
phenazine biosynthesis-like domain-containing protein 2	2		0	0				
phldb3 protein	2		0	0				
phosphatase and actin regulator 1	2					0		0
phosphatase and actin regulator 3	2					0	0	
phosphate cytidylyltransferase ethanolamine	2	0	0					
phosphatidylcholine transfer protein	2	0				0		
phosphatidylinositol 3-kinase regulatory subunit gamma	2	0						
phosphatidylinositol 4-kinase type ii	2			0				0
phosphatidylinositol n-acetylglucosaminyltransferase subunit p	2					0		
phosphatidylinositol-5-phosphate 4- type beta	2	0						0
phosphodiesterase 10a	2		0					
phosphofurin acidic cluster sorting protein 2	2					0		
phosphoglucomutase 3	2		0	0				
phosphoglucomutase 5	2	0						
phosphogluconate dehydrogenase	2	0	0					
phosphoglucose isomerase-2	2	0						0
phosphoglycerate mutase 2	2	0						
phosphoglycerate mutase family member 5	2	0	0					
phosphoinositide-3- class 3	2	0	0					
phospholipase a2-activating protein	2		0					
phospholipase beta 1	2	0						0
phospholipase c-like 2	2	0						0
phospholipase group ib	2	0	0					
phospholipase group iii	2			0		0		
phosphomannomutase 2	2	0	0					
phosphoprotein enriched in astrocytes 15	2					0	0	
phytoene synthase-like precursor	2	0	0					
pif harbinger-like protein	2	0		0				
piggybac transposase uribo1	2	0				0		
pim-3 oncogene	2			0		0		
pirin	2					0		
piwi-like protein 1	2					0		
plakophilin-4 isoform 2	2							0
plasma kallikrein	2			0	0			

plasmodium falciparum trophozoite antigen r45-like protein	2			0			0
platelet derived growth factor receptor alpha	2	0					
platelet glycoprotein 4	2	0	0				
pleckstrin	2	0			0		
pleckstrin homology domain containing family a member 8	2	0					0
pleckstrin homology domain family a member 6	2		0	0			
pleckstrin homology domain family g (with ef domain) member 1	2	0					
pleckstrin homology domain-containing family a member 8	2	0					0
plectin intermediate filament binding protein isoform cra_b	2					0	0
plectin isoform 1	2	0					
pleiotropic regulator 1	2	0		0			
pol partial	2			0			
poliovirus receptor-related protein 1-like	2		0			0	
polo-like kinase 1	2	0	0				
poly (adp-ribose) polymerase member 1	2				0	0	
poly (adp-ribose) polymerase member 14	2	0		0			
poly (adp-ribose) polymerase member 15	2	0					
poly (adp-ribose) polymerase member 4	2	0					
poly binding cytoplasmic 4 (inducible form)	2	0			0		
poly binding protein 2	2	0					0
poly binding protein 3	2		0				0
poly -binding protein 3-like	2						0
poly polymerase gamma	2	0		0			
poly -specific endoribonuclease	2	0	0				
polyadenylate-binding protein 2	2	0					0
polyadenylate-binding protein-interacting protein 2b	2	0	0				
polyamine-modulated factor 1	2				0		
polybromo 1	2		0				0
polybromo 1 isoform 2	2	0				0	
polycomb group ring finger 6	2	0					
polymerase ii (dna directed) polypeptide 33kda	2	0		0			
polymerase iii (dna directed) polypeptide c polypeptide 1	2		0	0			
polypeptide n-acetylgalactosaminyltransferase 6	2	0				0	
polyprotein	2	0		0			
polypyrimidine tract binding protein 1	2	0				0	
polyubiquitin	2						0
polyubiquitin with 3 ub domains	2	0			0		0
potassium channel subfamily t member 1-like	2					0	0
potassium channel subunit	2	0				0	
potassium channel tetramerisation domain containing 14	2	0		0			
potassium channel tetramerisation domain containing 5	2	0					
potassium channel tetramerisation domain containing 9	2	0					
potassium inwardly-rectifying subfamily member 12	2	0					
potassium inwardly-rectifying subfamily member 3	2					0	0
potassium subfamily member 1	2					0	0

potassium subfamily member 2	2				0	
pou domain protein class v transcription factor 1	2			0		
ppia protein	2			0		0
ppm2c protein	2	0				
PREDICTED: klotho-like [Oreochromis niloticus]	2			0		
PREDICTED: predicted protein-like [Danio rerio]	2	0				
PREDICTED: similar to transposase [Strongylocentrotus purpuratus]	2	0			0	
PREDICTED: wu:fl04e06 [Danio rerio]	2	0			0	
pregnancy specific beta-1-glycoprotein 1-like	2	0				0
pre-mrna-processing factor 39	2		0			0
pre-mrna-processing factor 40 homolog a	2	0		0		
pre-mrna-splicing factor 38a	2		0		0	
pre-mrna-splicing factor atp-dependent rna helicase prp16	2		0			0
pre-mrna-splicing factor cwc22 homolog	2	0				0
pre-mrna-splicing factor slu7	2		0		0	
pre-mrna-splicing factor syf1	2	0				0
presenilin rhomboid-like	2	0	0			
prion protein 2	2	0				
probable atp-dependent rna helicase ddx27	2				0	0
probable atp-dependent rna helicase ddx5	2	0	0			
probable atp-dependent rna helicase ddx56	2				0	0
probable atp-dependent rna helicase dhx58-partial	2	0				
probable bifunctional methylenetetrahydrofolate dehydrogenase cyclohydrolase 2	2				0	
probable c-probable carboxypeptidase x1-like	2	0				0
probable e3 ubiquitin-protein ligase herc1	2			0		0
probable exonuclease mut-7 homolog	2				0	0
probable hydrolase pnkd-like	2					0
probable proline racemase	2	0		0		
probable rna-binding protein 19	2	0				
probable rna-processing protein ebp2	2	0		0		
probable saccharopine dehydrogenase	2		0			
probable serine carboxypeptidase cpv1 precursor	2			0		0
probable u3 small nucleolar rna-associated protein 11-like	2				0	
probable ubiquitin carboxyl-terminal hydrolase faf-x	2	0				
probable udp-sugar transporter protein slc35a4	2	0	0			
procollagen c-endopeptidase enhancer 2	2	0				0
prodh protein	2	0			0	
prodynorphin precursor	2				0	0
programmed cell death protein 7	2		0		0	
progressive ankylosis protein	2	0				0
progressive ankylosis protein homolog	2					0
proline dehydrogenase 1	2	0	0			
proline mitochondrial-like	2		0			
proline-rich protein 12	2				0	
proline-rich transmembrane protein 4	2	0			0	
prolyl 4-hydroxylase subunit alpha-1 precursor	2	0				

prolylcarboxypeptidase (angiotensinase c)	2	0	0				
prominin- splice variant	2		0			0	
pro-neuregulin- membrane-bound isoform	2					0	
prostacyclin synthase	2	0					
proteasome (macropain) 26s non- 5	2	0	0				
proteasome (macropain) 26s non- 9	2	0			0		
proteasome activator complex subunit 4	2	0					
proteasome subunit beta type-5	2			0			0
proteasome-associated protein ecm29 homolog	2	0	0				
protein amp- alpha 2 catalytic subunit	2	0				0	
protein bat2-like 2	2	0					
protein camp- beta	2	0					
protein casc4	2	0				0	
protein containing duf1446	2	0	0				
protein deltex-1	2					0	0
protein deltex-1-like	2					0	
protein disulfide isomerase associated 4	2			0	0		
protein disulfide isomerase family member 6	2		0	0			
protein disulfide-isomerase	2	0		0			
protein dopey-2	2				0		0
protein dpy-30 homolog	2				0	0	
protein fam164a-like	2						0
protein fam168b-like	2					0	0
protein fam46a-like isoform 2	2			0			
protein fam49b-like	2						0
protein fem-1 homolog c	2	0					
protein furry homolog-like	2					0	
protein homolog mitochondrial precursor	2		0				0
protein kinase c delta type	2	0	0				
protein kinase c-binding protein nell2 isoform 2	2					0	
protein kinase domain cytoplasmic homolog	2	0					
protein kinase raf 1	2	0		0			
protein kinase-like protein	2				0		
protein lsm14 homolog b-like	2				0		
protein lyric-like	2				0		
protein mdm4	2		0			0	
protein mef2bnb-like	2				0		
protein memo1	2	0	0				
protein mida mitochondrial-like	2				0		
protein mon2 homolog	2						0
protein muted homolog	2	0		0			
protein njmu-r1-like	2				0	0	
protein noxp20-like	2			0			
protein n-terminal glutamine amidohydrolase	2	0				0	
protein os-9	2	0				0	
protein pelota homolog	2		0				
protein phosphatase 1 (formerly 2c)-like	2	0					
protein phosphatase 1 regulatory subunit 12a	2	0	0				
protein phosphatase 1b	2	0				0	
protein phosphatase 1g (formerly 2c)	2	0	0				
magnesium- gamma isoform	2	0	0				
protein phosphatase 2 (formerly 2a) catalytic alpha isoform	2	0		0			
protein phosphatase catalytic beta isoform	2						0
protein phosphatase regulatory subunit 14b	2	0					
protein phosphatase regulatory subunit 1-like	2	0					
protein phosphatase regulatory subunit b alpha isoform	2	0					

protein phosphatase type 2c alpha 2	2		0		0		
protein piccolo isoform 2	2				0	0	
protein piccolo-like	2					0	
protein polybromo-1	2						0
protein quaking-b	2	0				0	
protein red	2		0				0
protein red-like	2		0		0		
protein rrp5 homolog	2		0	0			
protein sco1 mitochondrial-like	2			0		0	
protein sel-1 homolog 1	2						0
protein set-like	2				0	0	
protein sidekick-2	2	0					0
protein tmed8	2	0					
protein transport protein sec61 subunit alpha isoform 2	2	0					
protein tssc1	2				0		0
protein tyrosine phosphatase type member 1	2		0				0
protein tyrosine phosphatase type member 3	2	0				0	
protein tyrosine receptor c	2	0			0		
protein tyrosine receptor f	2				0		
protein tyrosine receptor f polypeptide interacting protein alpha 3	2				0		
protein tyrosine receptor isoform cra_b	2	0					0
protein tyrosine receptor n	2				0		0
protein unc-119 homolog b	2				0	0	
protein unc-13 homolog a	2				0	0	
protein vac14 homolog	2		0				
protein-glutamine gamma-glutamyltransferase k	2	0					
protein-l-isoaspartate o-methyltransferase domain-containing protein 1	2	0	0				
protein-l-isoaspartate(d-aspartate) o-methyltransferase-like	2	0					
protein-tyrosine sulfotransferase 1-like	2			0			
protocadherin 11 x-linked	2					0	0
protocadherin 2 alpha b 10	2	0			0		
protocadherin 2a14	2				0	0	
protocadherin 2a5-like	2	0					0
protocadherin 2g25	2	0				0	
protocadherin 2g8	2	0					
proto-oncogene protein c-fos	2	0				0	
proto-oncogene serine threonine-protein kinase pim-1	2	0					
pt repeat family protein	2			0			
ptb domain-containing engulfment adapter protein 1-like	2						0
pterin-4-alpha-carbinolamine dehydratase 2	2	0			0		
ptk2b protein tyrosine kinase 2 beta	2	0			0		
ptprd protein	2	0					0
pumilio 2	2				0	0	
purine rich element binding protein b	2		0	0			
purinergic receptor g-protein 5	2	0	0				
purine-rich element binding protein a	2	0					
purkinje cell protein 4 variant 4	2			0	0		
pyridoxal phosphate phosphatase phospho2	2	0			0		
pyroglutamyl-peptidase 1	2	0	0				
pyruvate dehydrogenase	2		0				0
pyruvate dehydrogenase isozyme 2	2		0				
pyruvate dehydrogenase kinase 2	2	0				0	
quinone oxidoreductase-like protein 1	2	0	0				

rab proteins geranylgeranyltransferase component a 2	2					0
rab3a interacting protein	2	0				0
rab-3a-interacting protein	2					0
rab6 interacting protein 1	2	0			0	
rab-like protein 5	2	0		0		
rabphilin 3a homolog	2				0	0
rac-beta serine threonine-protein kinase	2		0			
rad51-associated protein 1	2	0				
ral gtpase-activating protein subunit beta-like	2	0				
ran	2			0		
ran_gtp binding protein 5	2	0				
ranbp-type and c3hc4-type zinc finger-containing protein 1-like	2			0		
rap1 gtpase-activating protein 1	2				0	0
rapunzel 4	2	0				0
rapunzel 5	2	0				
ras and rab interactor 2	2	0				
ras association domain family 1	2	0		0		
ras association domain-containing protein 2	2			0		0
ras gtpase-activating protein	2				0	0
ras homolog gene member b	2	0		0		
ras homolog gene member t1	2	0	0			
ras homolog gene member t1a	2	0			0	
ras p21 protein activator 1	2	0				
ras protein-specific guanine nucleotide-releasing factor 1	2				0	0
ras protein-specific guanine nucleotide-releasing factor 2	2				0	0
ras-interacting protein 1	2	0				
ras-related c3 botulinum toxin substrate 2 precursor	2	0		0		
ras-related c3 botulinum toxin substrate 3 (rho small gtp binding protein rac3)	2		0		0	
ras-related gtp binding d	2	0				
ras-related protein rab-33b-like	2			0		0
ras-related protein rab-38-like	2					0
ras-related protein rab-6a	2		0	0		
rbm25 protein	2	0	0			
rearranged l-myc fusion	2	0				
receptor accessory protein 1	2	0				
receptor accessory protein 3	2	0	0			
receptor-binding cancer antigen expressed on o cells	2			0		0
receptor-interacting serine threonine-protein kinase 1	2	0	0			
receptor-type tyrosine-protein phosphatase o	2				0	
receptor-type tyrosine-protein phosphatase-like n-like	2					0
recombination activating gene 1 activating protein 1	2	0		0		
regucalcin	2	0				
regulating synaptic membrane exocytosis 1	2				0	0
regulation of nuclear pre-mrna domain-containing protein 1a	2	0				
regulator of chromosome condensation and btb domain containing protein 2	2	0				0
regulator of g-protein signaling 12-like	2					0
regulator of g-protein signaling 14-like	2			0		
regulator of g-protein signaling 5	2	0	0			

regulator of g-protein signaling 7	2								0
regulator of g-protein signaling 9-binding	2								0
regulator of g-protein signalling 3	2	0					0		
regulatory factor 7	2	0							
-related lipid transfer domain containing 13	2		0						
relaxin insulin-like family peptide receptor 2	2	0							
remodeling and spacing factor 1	2	0							
replication factor c subunit 3	2	0			0				
replication factor c subunit 4	2				0				
replication protein 32kda	2	0	0						
reticulocalbin 2	2	0							
reticulum 4	2	0	0						
reticulum 4 receptor	2	0							0
reticulum 4-l2	2	0						0	
reticulum 6-a1(2023 2173)	2						0	0	
retinal rod rhodopsin-sensitive cgmp 3 -cyclic phosphodiesterase subunit delta	2	0					0		
retinoid x receptor gamma	2	0							
retinol dehydrogenase 10	2			0					0
retinol dehydrogenase 8	2		0	0					
retinol saturase (all-trans-retinol -reductase)	2	0	0						
retinol-binding protein 2	2		0	0					
retroelement pol polyprotein	2	0							
retrograde golgi transport protein rgp1 homolog	2		0		0				
reverse ribonuclease integrase	2					0	0		
reverse transcriptase and rnase h-like protein	2	0							
reverse transcriptase-like partial	2	0				0			
rgd1564379 protein	2			0				0	
rgm domain member a	2	0							
rho family gtpase 2	2	0				0			
rho family gtpase 3	2	0					0		
rho gtpase activating protein 18	2	0	0						
rho gtpase activating protein 4	2	0				0			
rho gtpase-activating protein 21	2						0		
rho guanine nucleotide exchange factor 17	2		0						0
rhotekin	2					0	0		
ribonuclease inhibitor-like	2	0							
ribonuclease p mrp 30kda subunit	2			0			0		
ribonucleoside-diphosphate reductase large subunit-like	2				0				
ribonucleotide reductase m2 b (tp53 inducible)	2	0						0	
ribonucleotide reductase m2 polypeptide	2	0							
ribose-phosphate pyrophosphokinase 2	2		0			0			
ribosomal l1 domain-containing protein 1-like	2				0				
ribosomal protein l17	2		0				0		
ribosomal protein s6 kinase beta-1	2	0			0				
ribosomal protein s6 polypeptide 2	2	0		0					
ribosomal rna methyltransferase nop2	2		0						0
ribosome biogenesis protein bms1 homolog	2				0				
ribosome-binding protein 1	2		0		0				
riken cdna 4832428d23	2	0							
riken cdna 4931428f04 gene	2					0		0	
rilp-like protein 1-like	2		0		0				
ring finger protein 122-like	2								0
ring finger protein 126	2	0							0
ring finger protein 13	2		0						0
ring finger protein 146	2	0					0		
ring finger protein 2	2	0	0						

ring finger protein 38	2	0				0	
ring finger protein 40	2	0				0	
rna (guanine-9-) methyltransferase domain containing 1	2	0	0				
rna binding homolog 1	2		0				0
rna binding motif protein 12b	2	0					
rna binding motif protein 19	2	0					
rna binding motif protein 22	2	0		0			
rna binding motif protein 26	2	0	0				
rna binding motif protein 28	2		0				
rna binding motif x-linked 2	2	0				0	
rna exonuclease 1 homolog	2	0		0			
rna exonuclease 4	2				0		
rna polymerase ii largest subunit	2	0				0	
rna pseudouridylate synthase domain containing 2	2				0		0
rna terminal phosphate cyclase domain 1	2	0	0				
rna-binding protein 26	2	0			0		
rna-binding protein 4b	2	0	0				
rna-binding protein 6	2					0	
rna-binding protein 7	2						0 0
rna-binding single-stranded-interacting protein 3	2					0	0
rrna promoter binding protein	2					0 0	
rrna-processing protein utp23 homolog	2	0			0		
rrp12-like protein	2				0		
run and sh3 domain containing 1	2	0				0	
run domain-containing protein 3b	2	0					0
ryanodine receptor 2	2	0				0	
S100-A6 [Anoplopoma fimbria]	2	0					0
s-adenosylmethionine synthase isoform type-1	2		0		0		
safb- transcription modulator	2				0		0
safb-like transcription modulator	2		0		0		
sam and sh3 domain containing 1	2	0					
sam domain and hd 1	2	0					
sam domain and hd domain-containing protein 1	2	0					
sarcoplasmic endoplasmic reticulum calcium atpase 2-like	2			0		0	
sarcospan	2	0		0			
sbfl protein	2					0 0	
scavenger receptor class f member 2-like	2	0				0	
scavenger receptor cysteine-rich protein type 12 precursor	2		0				
scg10 protein	2					0 0	
sclerostin domain-containing protein 1-like	2						0
scm-like with four mbt domains protein 2	2				0		
sco cytochrome oxidase deficient homolog 1	2	0					
sda1 domain containing 1	2	0					
sec1 family domain containing 2	2		0 0				
sec14-like protein 2	2		0				
sec61 alpha 1 subunit (cerevisiae)	2	0					
sec61-alpha	2			0			
secreted phosphoprotein 24 precursor	2		0 0				
secretogranin v	2					0	0
secretory carrier membrane protein 2	2					0	
secretory carrier-associated membrane protein 5	2					0	0
securin	2				0		

sell repeat-containing protein 1	2			0			
selenophosphate synthetase 2	2		0				0
selenoprotein j	2			0			0
selenoprotein l	2			0			
selenoprotein o	2		0				
selenoprotein p	2			0			
selenoprotein t precursor	2						0
sema immunoglobulin domain transmembrane domain and short cytoplasmic 4g	2				0		
semaphorin 3fa	2	0				0	
seminal plasma glycoprotein 120	2	0			0		
sept8a protein	2	0			0		
septin 3	2		0		0		
septin 5	2						0
serine arginine repetitive matrix protein 1	2		0		0		
serine arginine-rich splicing factor 11-like	2				0		0
serine carboxypeptidase 1	2	0		0			
serine long chain base subunit 2	2	0	0				
serine peptidase 1	2	0					
serine peptidase kazal type 1	2		0			0	
serine threonine kinase 11	2	0			0		
serine threonine kinase 25 (ste20 yeast)	2	0	0				
serine threonine kinase 38	2	0					
serine threonine kinase 40	2	0		0			
serine threonine protein kinase raf1	2	0	0				
serine threonine-protein kinase 12	2		0	0			
serine threonine-protein kinase nek6	2	0					0
serine threonine-protein kinase plk2	2	0			0		
serine threonine-protein kinase rio3	2	0			0		
serine threonine-protein kinase sbk2-like	2	0					
serine threonine-protein kinase wnk1 isoform 3	2				0		
serine threonine-protein phosphatase 2a 55 kda regulatory subunit b delta isoform-like	2			0			
serine threonine-protein phosphatase 2a 56 kda regulatory subunit epsilon isoform	2	0					
serine threonine-protein phosphatase 2a activator-like	2			0			0
serine threonine-protein phosphatase 2a catalytic subunit alpha isoform-like partial	2			0			
serine threonine-protein phosphatase mitochondrial-like	2			0			
serine threonine-protein phosphatase pp1-beta	2		0	0			
serine--pyruvate mitochondrial precursor	2		0				
serologically defined colon cancer antigen 1	2	0			0		
serum amyloid a	2			0			
serum deprivation response	2	0		0			
serum response factor	2		0				
seryl-trna synthetase 2	2			0			
sestrin 2	2			0			
set and mynd domain containing 2	2	0					
set bifurcated 1	2	0	0				
set binding factor 2	2	0			0		
set translocation	2	0		0			
set translocation (myeloid leukemia-associated)	2	0					0
setd8b protein	2		0	0			
sfrs12-interacting protein 1	2	0		0			
sft2 domain containing 1	2	0					0

sh2 domain containing 5	2		0		
sh3 and multiple ankyrin repeat domains protein 3	2	0			0
sh3 and px domain-containing protein 2a	2	0			
sh3 and px domains 2a	2	0			
sh3 and px domains 2b	2	0			
sh3 domain and tetratricopeptide repeats-containing protein 2	2		0		0
sh3 domain-binding glutamic acid-rich protein	2	0			
sh3-domain grb2-like endophilin b1	2	0	0		
short branched chain specific acyl-mitochondrial	2				0
short-chain dehydrogenase reductase sdr	2				0
short-chain specific acyl- mitochondrial	2	0	0		
sialidase-1 precursor	2	0		0	
sideroflexin 1	2		0		0
signal recognition particle 14 kda protein	2	0		0	
signal recognition particle 68	2	0			
signal transducer and activator of transcription 5	2	0			
signal transducer and activator of transcription 5b	2	0		0	
signal transducing adaptor molecule (sh3 domain and itam motif) 1	2	0			0
signal-induced proliferation-associated protein 1	2				0
silva protein	2	0			0
sjchgc09003 protein	2			0	0
slit and ntrk-like member 1	2				0
slit and ntrk-like member 6	2				0
slit and ntrk-like protein 3-like	2				0
slit-robo rho gtpase activating protein 2	2	0			0
small edrk-rich factor 2	2		0		0
small glutamine-rich tetratricopeptide repeat - beta	2	0			0
small gtpase ras-dva-3	2				0
small subunit processome component 20 homolog	2	0			0
smc4 protein	2	0			0
smoothened homolog	2	0			
snare protein ykt6	2	0		0	
snrna-activating protein complex subunit 1-like	2				0
snrna-activating protein complex subunit 5-like	2				0
sodium- and chloride-dependent gaba transporter 2-like	2				0
sodium bicarbonate cotransporter	2				0
sodium channel voltage-gated type ii alpha 1	2				0
sodium potassium-transporting atpase alpha-1 subunit	2	0	0		
sodium potassium-transporting atpase subunit beta-2	2				0
sodium potassium-transporting atpase subunit beta-3-like	2				0
sodium-coupled neutral amino acid transporter 3	2		0		
sodium-dependent phosphate transporter 2	2				0
solute carrier family 12 member 2 isoform 2	2				0
solute carrier family 13 member 4	2				0

solute carrier family 16 (monocarboxylic acid transporters) member 12	2	0	0			
solute carrier family 20 (phosphate transporter) member 1	2	0				
solute carrier family 22 member 13-like	2		0			
solute carrier family 22 member 16-like	2		0			
solute carrier family 22 member 18	2		0	0		
solute carrier family 22 member 6-a	2				0	0
solute carrier family 22 member 7	2	0			0	
solute carrier family 25 (mitochondrial carrier citrate transporter) member 1	2		0			
solute carrier family 25 (mitochondrial carrier dicarboxylate transporter) member 10	2		0			0
solute carrier family 25 (mitochondrial carrier phosphate carrier) member 24	2	0				
solute carrier family 25 member 34-like	2			0		
solute carrier family 25 member 48	2		0			
solute carrier family 26 member 6-like	2					0
solute carrier family 28 (sodium-coupled nucleoside transporter) member 1	2	0				
solute carrier family 28 (sodium-coupled nucleoside transporter) member 2	2	0		0		
solute carrier family 30 (zinc transporter) member 5	2		0			
solute carrier family 31 (copper transporters) member 1	2		0	0		
solute carrier family 37 (glycerol-3-phosphate transporter) member 1	2	0	0			
solute carrier family 39 (zinc transporter) member 7	2	0				
solute carrier family 40 (iron-regulated transporter) member 1	2	0		0		
solute carrier family 6 (neurotransmitter glycine) member 9	2				0	0
solute carrier family 7 (cationic amino acid y+ system) member isoform cra_a	2	0			0	
solute carrier family anion member 2 (erythrocyte membrane protein band 3-like 1)	2	0			0	
solute carrier family facilitated glucose transporter member 2	2			0		
solute carrier family member 36	2	0		0		
solute carrier family member b3	2	0				
solute carrier family member c1	2			0		0
solute carrier family member e3	2	0				
solute carrier family member e4	2	0			0	
solute carrier family member f4	2	0			0	
solute carrier family sodium bicarbonate transporter- member 10-like	2					0
solute carrier organic anion transporter family member 1c1	2		0		0	
sorbin and sh3 domain containing 3	2	0				
sorbitol dehydrogenase	2		0	0		
srcs receptor 1	2				0	0
sortilin-related vps10 domain containing receptor 2	2				0	
sorting nexin 10	2			0		
sorting nexin 13	2	0				
sorting nexin 17	2	0				
sorting nexin 22	2	0	0			
sorting nexin 25	2				0	0

sorting nexin 9	2	0	0					
sorting nexin-10-like	2				0			
soxs complex subunit c	2	0		0				
sparc cwcv and kazal-like domains proteoglycan 2	2					0		0
sparc cwcv and kazal-like domains proteoglycan 3	2	0		0				
spastic paraplegia 21 homolog	2	0		0				
spermatid perinuclear rna-binding	2	0				0		
spermine synthase	2	0						0
sphingolipid delta -desaturase des1	2	0					0	
sphingomyelin phosphodiesterase-like	2				0			
spindle and kinetochore-associated protein 1	2				0		0	
spindlin 1	2		0			0		
splicing arginine serine-rich 12	2	0						
splicing arginine serine-rich 15	2	0				0		
splicing factor 3b subunit 2	2		0					
spna2 protein	2							0
squamous cell carcinoma antigen recognized by t-cells 1	2		0			0		
squamous cell carcinoma antigen recognized by t-cells 3	2				0		0	
src family associated phosphoprotein 1	2	0						
src homology 2 domain containing transforming protein d	2	0						
srp40 domain-containing protein	2	0						
srm2 protein	2	0						
st3 beta-galactoside alpha- -sialyltransferase 5	2		0					
st8 alpha-n-acetyl-neuraminide alpha- - sialyltransferase 3	2						0	
stabilin 1	2	0						0
stat-like protein	2					0	0	
steroid 5 alpha-reductase 3	2	0				0		
sterol o-acyltransferase 2	2		0					
steroleosin slo2-2	2	0						
stress-associated endoplasmic reticulum protein 1	2		0	0				
stromal cell derived factor 4	2	0						
stromal cell-derived factor 2	2		0	0				
stromal cell-derived factor 2-like protein 1-like	2					0		
structural maintenance of chromosomes flexible hinge domain containing 1	2		0					
structural maintenance of chromosomes flexible hinge domain-containing protein 1	2		0	0				
structure specific recognition protein 1	2	0		0				
subfamily member 18	2	0						
subfamily member 6	2					0		0
subfamily member partial	2		0					
succinylglutamate desuccinylase aspartoacylase family protein	2					0		
sulfatase 2	2						0	0
sulfotransferase 1c1	2		0	0				
sulfotransferase family cytosolic 2b member 1	2	0						0
sulfotransferase member 1	2	0		0				
sun domain-containing protein 1	2						0	0
superfast myosin heavy chain	2	0						
supervillin isoform 2	2	0						
suppressor of 3-like 1 (cerevisiae)	2		0					0
suppressor of cytokine signaling 3	2	0						

surface antigen -like	2	0					0
surfeit 2	2	0		0			
surfeit locus protein 2	2				0		
surp and g-patch domain-containing protein 1-like	2						0
survival motor neuron protein 1	2	0		0			
sushi domain containing 1	2	0					0
swi5-dependent recombination dna repair protein 1 homolog	2				0		
switch-associated protein 70	2	0				0	
symplekin	2						0 0
synapsin isoform cra_a	2						0 0
synaptojanin 1	2	0				0	
synaptonemal complex protein sc65	2	0				0	
synaptophysin	2					0	0
synaptopodin	2	0					
synaptoporin precursor	2						0
synaptosomal-associated protein	2						0 0
synaptotagmin ix	2	0				0	
syndecan 4	2		0	0			
synergim gamma-like	2		0				
synovial sarcoma chromosome 18	2	0				0	
syntabulin isoform a	2					0	0
syntaxin 4	2	0	0				
syntaxin 6	2	0		0			
syntaxin 7	2	0	0				
syntaxin binding protein 3	2	0	0				
syntaxin-1a (synaptotagmin-associated 35 kda protein) (neuron-specific antigen hpc-1)	2	0	0				
t cell receptor beta variable 29	2	0					
tacc2 protein	2	0				0	
tapasin	2	0		0			
tar dna binding protein	2	0					
target of myb protein 1-like	2				0		0
target of myb1	2	0	0				
tbc1 domain family member 30-like	2						0
tbc1 domain family member 8	2				0		
tbc1 domain member 17	2		0	0			
tbc1 domain member 30	2			0	0		
tbc1 domain member 8b	2	0				0	
tbc1 domain member 9 (with gram domain)	2	0				0	
t-box 15	2	0					
tc1-like transposase	2	0				0	
t-cell leukemia translocation-altered gene protein homolog	2	0		0			
t-cell receptor alpha	2	0					
t-complex 11 like 1	2	0		0			
t-complex protein 1 subunit alpha	2					0	0
t-complex protein 1 subunit eta	2						0
tea domain family member 3	2	0					
teashirt homolog 3	2	0				0	
telethonin	2	0					
tenascin-x	2	0					
tenomodulin	2	0					
testis-expressed sequence 2 protein	2					0	0
tetraodon protein product cag00085	2	0	0				
tetraspanin 33	2	0					
tetraspanin 5	2	0					0
tetraspanin 6	2				0		0
tetraspanin-33-like	2						0

tetratricopeptide repeat domain 1	2	0	0					
tetratricopeptide repeat domain 36	2		0					
tetratricopeptide repeat domain partial	2	0					0	
tetratricopeptide repeat protein 17-like	2			0		0		
tetratricopeptide repeat protein 27	2				0			0
tetratricopeptide repeat protein 32	2	0	0					
tetratricopeptide repeat protein 35-like	2				0			
tgf-beta-activated kinase like	2	0						
thap domain-containing protein 1	2				0	0		
thap domain-containing protein 2	2				0			
thiamin pyrophosphokinase 1	2		0		0			
thiamine triphosphatase	2	0			0			
thioesterase superfamily member 4	2	0						
thioredoxin 2	2	0	0					
thioredoxin domain containing 12 (endoplasmic reticulum)	2	0	0					
thioredoxin domain-containing protein 15 precursor	2							0
thioredoxin interacting protein	2	0	0					
thioredoxin reductase cytoplasmic	2		0					
tho complex 1	2	0			0			
tho complex 5	2	0					0	
threonine synthase-like 2	2	0				0		
thrombin	2				0			0
thump domain containing 1	2	0					0	
thymidine kinase soluble	2	0			0			
thymocyte nuclear protein 1	2				0	0		
thymosin beta-10	2				0			0
thyroid hormone receptor interactor 12	2					0		0
thyroid hormone receptor interactor 4	2	0	0					
tight junction protein zo-1	2	0					0	
tim21-like mitochondrial precursor	2	0						0
tim21-like mitochondrial-like	2				0			
tissue factor pathway inhibitor	2				0			
titin a	2	0						
tlc domain-containing protein 2	2	0			0			
tn3 protein	2	0						
tnfaip3 interacting protein 1	2		0					0
tolloid-like 1	2				0			
tousled-like kinase 1	2	0						
toxin-1 precursor	2				0			
tpa: lim-domain-binding protein 4a	2				0			0
tpa_exp: polyprotein	2				0			
tpa_exp: transposase	2				0			0
tpm1 protein	2	0						
traf and tnf receptor associated protein	2	0			0			
trafficking kinesin binding 2	2	0					0	
trafficking protein particle complex subunit 4	2		0					0
trafficking protein particle complex subunit 5	2		0					0
transcobalamin ii precursor	2	0			0			
transcription activator brg1	2						0	
transcription elongation factor b polypeptide 3	2	0	0					
transcription factor 7-like 1-a	2	0						0
transcription factor 7-like 2	2						0	
transcription factor adf-1	2	0			0			
transcription factor btf3-like	2				0	0		
transcription factor cp2-like 1	2		0					
transcription factor iiiia-like	2				0			
transcription factor rfx4-like	2							0

transcription factor sp2	2	0		0				
transcription initiation factor iie subunit beta	2			0				0
transcription termination factor 1	2			0	0			
transcriptional regulator	2	0		0				
transcriptional regulator atrx	2					0	0	
transducin -like 1 x-linked	2	0						
transferrin receptor protein 1	2	0		0				
transforming growth beta 3	2	0						
transgeline-3	2							0
translation initiation factor 5a	2			0			0	
translation initiation factor if- mitochondrial precursor	2	0			0			
translocase of inner mitochondrial membrane domain-containing protein 1	2							0
translocating chain-associated membrane protein 1	2	0		0				
translocon-associated protein subunit beta precursor	2		0	0				
transmembrane 4 superfamily member 5	2		0	0				
transmembrane 4 superfamily member 8 isoform 1	2		0			0		
transmembrane 9 superfamily member 2-like	2		0				0	
transmembrane and tpr repeat-containing protein 3-like	2	0					0	
transmembrane and ubiquitin-like domain-containing protein 2-like	2	0		0				
transmembrane bax inhibitor motif containing 1b	2		0	0				
transmembrane bax inhibitor motif-containing protein 4-like	2				0			
transmembrane emp24 protein transport domain containing 7	2	0		0				
transmembrane prolyl 4-hydroxylase-like	2						0	0
transmembrane protein 104	2	0						
transmembrane protein 126a	2	0		0				
transmembrane protein 145	2					0	0	
transmembrane protein 159	2	0				0		
transmembrane protein 161a	2	0						
transmembrane protein 161b	2	0					0	
transmembrane protein 163	2						0	0
transmembrane protein 16c	2						0	0
transmembrane protein 17	2	0				0		
transmembrane protein 186	2	0		0				
transmembrane protein 203	2	0	0					
transmembrane protein 22	2					0		0
transmembrane protein 63c	2						0	0
transmembrane protein 86a	2		0					
transmembrane protein adipocyte-associated 1 homolog	2		0					0
transmembrane protein c20orf108-like	2		0	0				
transmembrane protein c6orf191-like	2				0	0		
transmembrane protein c9orf46	2	0		0				
transportin 1	2	0						
transposable element tcb2 transposase	2		0	0				
transposase [Aedes aegypti]	2	0						
transposase element 11md-a101 11md-a102 11md-a2-like	2				0	0		
transposase homolog	2			0				0
transposase yabusame-1	2	0		0				
treacle protein	2	0				0		

tributyltin binding protein type 2-like protein	2	0				
trifunctional enzyme subunit mitochondrial-like	2			0		0
trinucleotide repeat containing 18	2				0	0
trinucleotide repeat containing 6a	2	0				
trinucleotide repeat containing 6c	2	0				
tripartite motif containing 35-27	2					0
tripartite motif protein trim29-like	2	0				
tripartite motif-containing 2	2		0		0	
tripartite motif-containing 39	2		0		0	
tripartite motif-containing protein 13	2	0		0		
tripartite motif-containing protein 16-like	2					0
tripartite motif-containing protein 2	2				0	0
tripartite motif-containing protein 3-like	2	0				
tripartite motif-containing protein 60-like	2	0				0
trm1-like protein	2	0				0
trna methyltransferase 112 homolog	2			0		0
trna mitochondrial	2					0
trna-dihydrouridine synthase 3-like	2	0				
trna-dihydrouridine synthase 4-like	2	0		0		
trna-specific adenosine deaminase-like protein 3	2					0
troponin fast skeletal muscle	2	0				
troponin skeletal muscle	2	0				
troponin slow skeletal and cardiac muscles	2	0				
troponin slow skeletal muscle	2	0				
trypsinogen 1a	2		0			
trypsinogen 2	2		0			
tsukushin precursor	2	0	0			
tubulin beta	2					0
tubulin beta-2a chain	2					0
tuftelin-interacting protein 11	2	0		0		
tumor necrosis factor receptor member 14 (herpesvirus entry mediator)	2				0	0
tumor necrosis factor receptor superfamily member 14-like	2			0		
tumor necrosis factor receptor-2	2					0
tumor necrosis factor-inducible gene 6	2					0
tumor susceptibility gene 101	2	0	0			
tweety homolog 1	2				0	0
two pore channel 3	2	0		0		
type i	2	0			0	
type ii antifreeze protein	2	0				
type ii cytoskeletal 8	2	0	0			
type ii inositol- -bisphosphate 4-phosphatase	2				0	0
tyrosine 3-monooxygenase tryptophan 5-monooxygenase activation beta polypeptide like	2				0	0
tyrosine 3-monooxygenase tryptophan 5-monooxygenase activation theta polypeptide	2					0
tyrosine kinase 2	2	0				0
tyrosine kinase with immunoglobulin-like and egf-like domains 1	2	0				
tyrosine-protein kinase 269	2	0				
tyrosine-protein kinase jak1	2		0		0	
tyrosine-protein kinase receptor tie-1 precursor	2	0	0			
tyrosine-protein kinase ryk	2	0	0			
u11 u12 small nuclear ribonucleoprotein 25 kda protein	2	0				

u2 small nuclear rna auxiliary factor 2	2				0		
u3 small nucleolar ribonucleoprotein protein mpp10	2	0	0				
u4 tri-snrnp-associated protein 2	2		0	0			
u4 u6 small nuclear ribonucleoprotein prp31	2		0				
u5 small nuclear ribonucleoprotein 200 kda helicase	2	0					0
u6 snrna-associated sm-like protein lsm3	2	0		0			
u6 snrna-associated sm-like protein lsm7	2	0	0				
ubiquinone biosynthesis methyltransferase mitochondrial precursor	2		0				
ubiquinone biosynthesis monooxygenase coq6	2		0	0			
ubiquitin associated protein 2-like isoform 3	2	0				0	
ubiquitin carboxyl-terminal hydrolase 14	2	0			0		
ubiquitin carboxyl-terminal hydrolase 28	2	0					
ubiquitin carboxyl-terminal hydrolase 4	2	0					
ubiquitin carboxyl-terminal hydrolase 47	2		0			0	
ubiquitin carboxyl-terminal hydrolase 47 (ubiquitin thioesterase 47) (ubiquitin-specific-processing protease 47) (deubiquitinating enzyme 47)	2	0				0	
ubiquitin carboxyl-terminal hydrolase 48	2	0					
ubiquitin- containing phd and ring finger 1	2	0					
ubiquitin-associated protein 2-like	2		0				0
ubiquitin-conjugating enzyme e2 c	2	0	0				
ubiquitin-conjugating enzyme e2 t-like	2				0		0
ubiquitin-conjugating enzyme e2d 3-like	2			0		0	
ubiquitin-conjugating enzyme e2h	2	0		0			
ubiquitin-like modifier activating enzyme 3	2	0					
ubiquitin-like protein fubi	2	0	0				
ubiquitin-specific protease isoform a	2	0					
ubr3 protein	2	0			0		
ubr4 protein	2	0					0
ubr5 protein	2						0
ubx domain containing 2	2			0		0	
ubx domain containing 8	2	0		0			
ubx domain-containing protein 4	2					0	0
udp-glucose ceramide glucosyltransferase-like 1	2	0				0	
udp-n-acetyl-alpha-d-galactosamine:polypeptide n-acetylgalactosaminyltransferase 8 (c-t8)	2			0		0	
udp-n-acteylglucosamine pyrophosphorylase 1	2		0	0			
unc-119 homolog (elegans)	2				0	0	
unc-13 homolog b (elegans)	2	0				0	
unc-93 homolog b1 (elegans)	2	0		0			
unc93-like protein mfsd11 isoform 1	2				0		
uncharacterized aarf domain-containing protein kinase 2-like	2				0		
uncharacterized methyltransferase wbscr22-like	2				0		
uncharacterized protein c10orf18-like	2				0		
uncharacterized protein c15orf29-like	2		0		0		
uncharacterized protein c19orf12 homolog	2						0
uncharacterized protein c1orf109-like	2				0		
uncharacterized protein c1orf21 homolog	2						0
uncharacterized protein c2orf24 homolog	2	0		0			
uncharacterized protein c7orf44-like isoform 1	2	0			0		

uncharacterized protein c9orf114-like	2	o						
uncharacterized protein conserved in bacteria	2	o				o		
uncharacterized protein iii	2				o			
uncharacterized protein kiaa0090-like isoform 2	2						o	o
uncharacterized protein kiaa1467 homolog	2						o	o
uncharacterized protein kiaa1614-like	2							o
uncharacterized protein kiaa1958-like	2				o			o
unconventional snare in the er 1 homolog	2	o		o				
uncoupling protein 2	2	o	o					
uncoupling protein 4	2		o					
upf0364 protein c6orf211 homolog	2	o						o
upf0428 protein cxorf56 homolog isoform 1	2				o			
upf0436 protein c9orf6 homolog	2				o			
upf0436 protein c9orf6-like	2				o			o
upf0485 protein c1orf144 homolog	2							o
upf0500 protein c1orf216 homolog	2							o
upf0533 protein c5orf44-like protein	2	o	o					
upf0545 protein c22orf39-like	2	o					o	
upf0554 protein c2orf43 homolog	2		o				o	
upf0577 protein kiaa1324-like	2							o
upf0583 protein c15orf59 homolog	2							o
upf0629 protein c17orf42 homolog	2	o		o				
upf0631 protein c17orf108-like	2		o				o	
upf0669 protein c6orf120 homolog	2					o		
upstream stimulatory factor 2	2	o	o					
uroporphyrinogen decarboxylase	2	o				o		
uroporphyrinogen-iii synthase	2			o			o	
usick-kaufman isoform cra_a	2			o			o	
usp6 n-terminal like	2	o						
utrophin	2	o				o		
vacuolar atp synthase catalytic subunit a	2					o		o
vacuolar protein sorting 13 homolog b	2	o					o	
vacuolar protein sorting 13b isoform 1	2	o					o	
vacuolar protein sorting 16	2	o		o				
vacuolar protein sorting 26 homolog b	2		o					
vacuolar protein sorting-associated protein 26b-like	2						o	o
vacuolar protein sorting-associated protein 8 homolog	2	o	o					
valacyclovir hydrolase-like	2						o	o
variable lymphocyte receptor a	2			o				
vascular endothelial growth factor a	2	o		o				
vav 3 guanine nucleotide exchange factor	2	o	o					
v-crk sarcoma virus ct10 oncogene homolog	2	o					o	
vesicle transport protein got1a	2		o	o				
vesicle transport protein got1b	2	o		o				
vesicle transport protein sec20	2	o		o				
vesicle transport-related protein	2	o						
vesicle-associated membrane protein 2	2						o	o
vesicle-associated membrane protein 8	2	o		o				
vesicle-trafficking protein sec22b	2	o		o				
vesicular acetylcholine transporter	2							o
v-ha-ras harvey rat sarcoma viral oncogene homolog	2	o						o
vhsv-induced protein	2	o	o					
vitellogenin [Trematomus bernacchii]	2			o				
voltage-dependent anion-selective channel protein 1-like	2					o		

voltage-dependent calcium channel beta1 subunit	2	0					
voltage-dependent calcium channel subunit alpha-2 delta-2-like	2					0	
voltage-dependent p q-type calcium channel subunit alpha-1a	2					0	
von hippel-lindau disease tumor suppressor	2	0	0				
von hippel-lindau disease tumor suppressor-like	2				0		
von willebrand factor c domain containing 2	2	0				0	
vps10 domain-containing receptor 1	2					0	
vps13a protein	2	0					0
v-set and transmembrane domain-containing protein 2a	2					0	0
v-set domain containing t cell activation inhibitor 1	2	0					
v-type proton atpase 116 kda subunit a isoform 1	2	0	0				
v-type proton atpase subunit f-like	2						0
warm temperature acclimation-related 65 kda protein	2			0	0		
wd repeat and socs box-containing protein 2	2					0	0
wd repeat domain 17	2						0
wd repeat domain 48	2		0				
wd repeat domain 54	2		0			0	
wd repeat domain 57 (u5 snrnp specific)	2	0					
wd repeat domain 68	2	0					
wd repeat domain 75	2	0				0	
wd repeat-containing protein 26	2	0	0				
wd repeat-containing protein 27	2				0		
wd repeat-containing protein 41	2	0		0			
wd repeat-containing protein 5	2				0		0
wd repeat-containing protein 85	2	0	0				
wd repeat-containing protein 92	2	0					
williams beuren syndrome chromosome region 22	2	0		0			
wilms tumor 1 associated protein	2	0				0	
within bgcn homolog	2	0					0
wolfram syndrome 1	2	0					
wsb1 protein	2	0				0	
wu:fb59a11 protein	2	0	0				
xaa-pro dipeptidase	2						0
xin actin-binding repeat containing 1	2	0					
xin actin-binding repeat-containing protein 1	2	0					
xk-related protein 5	2					0	
yes-associated protein 1	2	0					0
ylp motif containing 1	2	0				0	
yrdc protein	2	0	0				
yth domain containing 2	2		0			0	
zgc:103421 protein	2	0				0	
zgc:165600 protein	2					0	0
zgc:171428 protein	2	0					
zgc:174877 protein	2			0		0	
zgc:174888 protein	2	0		0			
zgc:55448 protein	2			0			0
zinc cche domain containing 24	2	0					
zinc cche domain containing 6	2	0					0
zinc dhhc-type containing 18	2		0				0
zinc finger 1	2	0		0			
zinc finger and btb domain containing 46	2	0					0

zinc finger and btb domain-containing protein 2	2							0
zinc finger ccch domain-containing protein 7a	2	0				0		
zinc finger ccch-type containing 7b	2		0	0				
zinc finger cche domain-containing protein 8	2		0					0
zinc finger cche-type and ma-binding motif-containing protein 1	2					0	0	
zinc finger e-box binding homeobox 1	2	0					0	
zinc finger mynd domain-containing protein 17	2	0						
zinc finger partial	2	0						
zinc finger protein 106	2						0	0
zinc finger protein 262	2			0				0
zinc finger protein 271-like	2				0			0
zinc finger protein 300-like	2	0						
zinc finger protein 335	2						0	0
zinc finger protein 347-like	2	0						
zinc finger protein 391	2				0			
zinc finger protein 420-like	2		0		0			
zinc finger protein 443	2	0						
zinc finger protein 503	2	0	0					
zinc finger protein 507	2	0					0	
zinc finger protein 638	2	0						0
zinc finger protein 670	2		0			0		
zinc finger protein 830	2	0		0				
zinc finger protein pegasus	2		0					
zinc finger protein zic 2	2					0		0
zinc finger x-linked	2	0						
zinc fingers and homeoboxes protein 2	2						0	0
zinc h2c2 domain containing	2	0						0
zinc hit type 1	2	0						
zinc hit type 6	2	0						
zinc knuckle protein	2						0	
zinc nfx1-type containing 1	2	0					0	
zinc phosphodiesterase elac protein 1	2				0			
zinc transporter 9	2		0					
zinc transporter zip8	2		0	0				
zona pellucida protein d precursor	2				0			
zpc domain containing protein 3 precursor	2				0			
zpc domain containing protein 5	2	0						
zwillig a	2	0						0
zyxin	2	0						0
dna helicase q1-like	1							0
1110020g09rik protein	1	0						
115 kda protein in type-1 retrotransposable element r1dm (115 kda protein in type i retrotransposable element r1dm) (orf 2)	1	0						
116 kda u5 small nuclear ribonucleoprotein component isoform 2	1				0			
14-3-3 zeta	1				0			
14kda- partial	1				0			
1700123o20rik protein	1	0						
1-acyl-sn-glycerol-3-phosphate acyltransferase delta	1		0					
1-acyl-sn-glycerol-3-phosphate acyltransferase zeta precursor	1						0	
1-o-acylceramide synthase precursor	1	0						
1-phosphatidylinositol- -bisphosphate phosphodiesterase beta-4-like	1						0	
2310042d19rik protein	1	0						

26s protease regulatory subunit 8	1		o		
26s protease regulatory subunit s10b	1				o
26s proteasome non-atpase regulatory subunit 1	1				o
26s proteasome non-atpase regulatory subunit 11	1				o
26s proteasome non-atpase regulatory subunit 5	1				o
27-kda protein	1				o
28 kda heat- and acid-stable phospho	1				o
2810459m11rik protein	1		o		
2-aminoethanethiol dioxygenase	1		o		
2-hydroxyacylsphingosine 1-beta-galactosyltransferase-like	1				o
2-oxoisovalerate dehydrogenase subunit mitochondrial	1			o	
3 (2) -bisphosphate nucleotidase 1-like	1		o		
3 -5 exonuclease with to crispr-associated protein	1	o			
3 beta-hydroxysteroid dehydrogenase type 7-like	1		o		
300 kda antigen	1				o
3-hydroxy-3-methylglutaryl-coenzyme a synthase 1	1		o		
3-hydroxyacyl- dehydratase 1	1	o			
3-hydroxyisobutyryl- mitochondrial precursor	1		o		
3-hydroxyisobutyryl-coenzyme a hydrolase	1		o		
3-hydroxymethyl-3-methylglutaryl-coenzyme a lyase	1	o			
3-ketodihydrosphingosine reductase	1		o		
3-keto-steroid reductase	1		o		
3-mercaptopyruvate sulfurtransferase-like	1				o
3-oxo-5-alpha-steroid 4-dehydrogenase 1	1	o			
3-oxoacyl-acyl-carrier-protein reductase	1		o		
3-phosphoinositide-dependent protein kinase 1	1	o			
4 repeat voltage-gated ion channel	1				o
40s ribosomal protein s10	1				o
40s ribosomal protein s12	1		o		
40s ribosomal protein s18	1				o
40s ribosomal protein s27-like	1		o		
4631422o05rik protein	1	o			
4-aminobutyrate mitochondrial	1				o
4-hydroxyphenylpyruvate dioxygenase-like	1	o			
5 - cytosolic ia	1	o			
5 -3 exoribonuclease 1	1	o			
5 -3 exoribonuclease 2	1	o			
5 -amp-activated protein kinase catalytic subunit alpha-2	1			o	
5 -amp-activated protein kinase subunit beta-1	1				o
5 -amp-activated protein kinase subunit beta-2	1				o
5 -amp-activated protein kinase subunit gamma-1	1	o			
5 -amp-activated protein kinase subunit gamma-3-like	1		o		
5 -nucleotidase domain containing 1	1			o	
5 -nucleotidase precursor	1	o			

52 kda repressor of inhibitor of protein	1			o
52 kda repressor of the inhibitor of the protein	1	o		
52 kda repressor of the inhibitor of the protein kinase	1	o		
52 kda repressor of the inhibitor of the protein kinase-like	1		o	
55 kda erythrocyte membrane isoform 2	1		o	
5-azacytidine-induced protein 1-like	1			o
5-hydroxyisourate hydrolase-like	1		o	
5-hydroxytryptamine receptor 2b	1	o		
6-phosphofructokinase liver type	1		o	
6-phosphofructokinase liver type-like	1		o	
60 kda heat shock mitochondrial precursor	1		o	
60 kda heat shock mitochondrial-like	1			o
60s ribosomal protein l12-like	1		o	
60s ribosomal protein l23	1		o	
60s ribosomal protein l29	1		o	
60s ribosomal protein l29-like	1	o		
60s ribosomal protein l31-like	1		o	
60s ribosomal protein l37-like	1		o	
60s ribosomal protein l7-like 1-like	1		o	
60s ribosomal protein l9-like	1		o	
6-phosphogluconate decarboxylating	1		o	
6-phosphogluconolactonase	1	o		
7 chain molecular models of averaged rigor crossbridges from tomograms of insect flight muscle	1		o	
72 kda type iv collagenase	1		o	
78 kda glucose-regulated protein	1		o	
7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase-like	1		o	
a chain crystal structures of hsc70bag1 in complex with small molecule inhibitors	1			o
a chain crystal structures of human pyruvate dehydrogenase kinase 2 containing physiological and synthetic ligands	1			o
a chain discovery of cell-active phenyl-imidazole pin1 inhibitors by structure-guided fragment evolution	1		o	
a chain matrix metalloproteinase-13 complexed with non-zinc binding inhibitor	1		o	
a chain tricyclic series of hsp90 inhibitors	1			o
a chain trypsin specificity as elucidated by lie x- ray structures and association constant measurements	1		o	
a disintegrin and metalloproteinase domain 8	1	o		
a kinase anchor protein 9	1			o
a1 adenosine receptor	1	o		
aarf domain containing kinase 5	1		o	
abc transporter moat-c	1	o		
abhydrolase domain containing 3	1			o
abhydrolase domain-containing protein 12b-like	1		o	
abhydrolase domain-containing protein 14a-like	1			o
abhydrolase domain-containing protein 8	1		o	
abhydrolase domain-containing protein mitochondrial	1		o	

abhydrolase domain-containing protein mitochondrial-like	1			0	
abi gene member 3 binding protein isoform 4	1	0			
abi member 3 binding protein	1	0			
abl interactor 2 isoform 12	1				0
abl-interactor 1 isoform 5	1	0			
abl-interactor isoform cra_a	1		0		
absent in melanoma 1 protein	1			0	
absent in melanoma 1-like	1	0			
ac006551_24very retrotransposon reverse transcriptase	1				0
ac087333_3high choriolytic enzyme 1 precursor	1	0			
acadv1 protein	1		0		
accs protein	1	0			
acetyl- acetyltransferase 2	1		0		
acetylcholine receptor beta subunit	1	0			
acetylcholine receptor subunit delta precursor	1	0			
acetyl-coenzyme a acyltransferase 2	1			0	
acid alpha glucosidase	1	0			
acid phosphatase lysophosphatidic	1	0			
acid phosphatase soluble	1				0
acid phosphatase-like 2	1			0	
acid trehalase-like 1	1	0			
acidic coiled-coil containing protein 2-like	1	0			
acidic fibroblast growth factor intracellular-binding	1			0	
acidic leucine-rich nuclear phosphoprotein 32 family member a	1	0			
acidic leucine-rich nuclear phosphoprotein 32 family member a-like	1			0	
acidic repeat-containing protein	1			0	
actin binding lim protein family member 2	1	0			
actin binding protein (scraps drosophila)	1	0			
actin binding protein 1c	1	0			
actin binding protein isoform cra_a	1				0
actin related protein 2 3 complex subunit 2	1		0		
actin-binding lim protein 1 long isoform isoform cra_a	1				0
actinin alpha 3	1	0			
actinin alpha 4	1	0			
actin-like 6a	1		0		
actin-related protein 2 3 complex subunit 1a	1			0	
actin-related protein 2 3 complex subunit 5	1	0			
actin-related protein 8-like	1			0	
activated cdc42 kinase 1-like	1				0
activated rna polymerase ii transcriptional coactivator p15-like	1			0	
activating signal cointegrator 1 complex subunit 2	1	0			
activating transcription factor 1	1		0		
activating transcription factor 7 interacting protein 2	1	0			
activator of heat shock 90kda protein atpase homolog 1	1			0	
activator of s phase kinase	1		0		
active breakpoint cluster region-related protein	1				0
active regulator of sirt1-like	1		0		
activin a type i	1	0			

activin a type ib	1	0		
activin receptor type-1 precursor	1	0		
activity-dependent neuroprotector	1	0		
actp1_sagro ame: full=cytolysin src-1 ame: full=src i flags: precursor	1	0		
acyl- -binding domain-containing protein 5- like	1	0		
acyl -desaturase	1			0
acyl- desaturase-like	1		0	
acyl- oxidase palmitoyl	1			0
acyl- synthetase bubblegum family member 1	1			0
acyl- synthetase family member 2	1	0		
acyl- synthetase partial	1			0
acyl- synthetase short-chain family member 1	1	0		
acyl- synthetase short-chain family member 3	1	0		
acyl- thioesterase	1	0		
acyl- thioesterase 7	1		0	
acylamino-acid-releasing enzyme-like	1			0
acyl-coenzyme a binding domain containing 5	1	0		
acylphosphatase erythrocyte type	1		0	
acylphosphatase-2	1	0		
acyl-protein thioesterase 2	1	0		
ad012w	1			0
adam metallopeptidase domain 10	1	0		
adam metallopeptidase domain 17	1			0
adam metallopeptidase domain 22	1			0
adam metallopeptidase with thrombospondin type 1 12	1	0		
adaptin ear-binding coat-associated protein 1	1			0
adaptor-related protein complex alpha 2 subunit	1	0		
adaptor-related protein complex sigma 2 subunit	1	0		
add2 protein	1			0
additional sex combs like 2	1	0		
adenomatous polyposis coli protein 2	1			0
adenosine a1 receptor	1	0		
adenosine deaminase cecr1-a-like	1		0	
adenosine deaminase domain-containing protein 1-like isoform 2	1		0	
adenosine deaminase-like	1			0
adenosine monophosphate-protein transferase ficd	1		0	
adenosine receptor a1	1		0	
adenosine rna-specific	1	0		
adenosylhomocysteinase a-like	1	0		
adenylate cyclase 6	1	0		
adenylate cyclase 9	1	0		
adenylate cyclase type 1	1			0
adenylate cyclase type 6	1	0		
adenylate kinase 3	1			0
adenylate kinase 3-like 1	1	0		
adenylate kinase 7	1		0	
adenylate kinase isoenzyme 5	1		0	
adenylate kinase isoenzyme 6	1	0		
adenylate kinase isoenzyme 6-like	1			0
adenylate kinase isoenzyme mitochondrial	1	0		
adenylosuccinate synthase like 1	1			0
adenylyl cyclase 35c-like	1			0
adenylyl cyclase-associated protein 2	1		0	

adf-1 l-orf	1	o			
adhesion molecule with ig-like domain 1	1				o
adhesion regulating molecule 1	1			o	
adhesive plaque matrix partial	1		o		
adiponectin receptor protein 1	1				o
adipose differentiation-related protein	1	o			
adp atp translocase	1				o
adp atp translocase 2-like	1				o
adp-ribosyl cyclase 1-like	1	o			
adp-ribosylarginine hydrolase	1	o			
adp-ribosylation factor gtpase activating protein 2	1	o			
adp-ribosylation factor interacting protein 1 (arfaptin 1)	1				o
adp-ribosylation factor interacting protein 2b	1				o
adp-ribosylation factor related protein 1	1	o			
adp-ribosylation factor-binding protein gga3	1			o	
adp-ribosylation factor-like 4	1	o			
adp-ribosylation factor-like 6 interacting protein 2	1	o			
adp-ribosylation factor-like 7	1	o			
adp-ribosylation factor-like protein 5a	1		o		
adp-ribosylation factor-like protein 6	1				o
adp-ribosylation factor-like protein 6-interacting protein 1	1	o			
adp-ribosylation factor-like protein 6-interacting protein 4-like	1	o			
adp-ribosylation factor-like protein 8a	1				o
adp-ribosylhydrolase like 1	1	o			
adrenocortical alacrimia	1	o			
adrenodoxin-like mitochondrial precursor	1	o			
adrenomedullin 2	1	o			
adrenomedullin 3	1	o			
af128810_1zpc domain containing protein 2	1	o			
af255564_1alpha tubulin	1				o
af255955_1beta tubulin	1				o
af303557_1immunoglobulin heavy chain	1		o		
af303563_1immunoglobulin heavy chain	1		o		
AF318317_1unknown [Homo sapiens]	1				o
af4 fmr2 family member 1-like	1	o			
af4 fmr2 family member 4	1		o		
af4 fmr2 member 1 isoform 2	1	o			
af465280_1coagulation factor v precursor	1	o			
af503912_2envelope protein	1				o
afadin- and alpha-actinin-binding	1		o		
afadin- and alpha-actinin-binding protein	1		o		
agap002775 protein	1		o		
AGAP013147-PA [Anopheles gambiae str. PEST]	1		o		
agmatine ureohydrolase isoform cra_c	1	o			
agouti related protein 2	1				o
agtpbp1 protein	1				o
a-kinase anchor protein 13	1	o			
a-kinase anchor protein 2 isoform 2	1	o			
akirin 1	1	o			
alanine aminotransferase 2	1		o		
alanine and arginine-rich domain-containing	1				o
alanine n-terminal	1	o			
alanine--glyoxylate aminotransferase	1	o			
alanine-glyoxylate aminotransferase 2-like 1	1	o			

alanine--glyoxylate aminotransferase 2-like 1-like	1			0		
alanyl-trna cytoplasmic-like	1					0
alcohol dehydrogenase 1-like	1			0		
alcohol dehydrogenase family-1	1	0				
alcohol iron 1	1		0			
aldehyde dehydrogenase 1 member b1	1			0		
aldehyde dehydrogenase 1 member l1	1	0				
aldehyde dehydrogenase 8 member a1	1		0			
aldehyde mitochondrial	1			0		
aldehyde oxidase	1		0			
aldolase c	1				0	
aldolase fructose-bisphosphate	1					0
aldose 1-epimerase	1		0			
alg3 protein	1	0				
alkyl hydroperoxide reductase thiol specific antioxidant mal allergen	1					0
alkylated dna repair protein alkb homolog 1-like	1			0		
alkylated dna repair protein alkb homolog 7	1				0	
alkylation repair homolog 5 (coli)	1	0				
alkylglycerone phosphate synthase	1	0				
alpha (50kda dystrophin-associated glycoprotein)	1	0				
alpha 1 (dystrophin-associated protein acidic component)	1	0				
alpha actin	1	0				
alpha beta hydrolase fold	1			0		
alpha enolase	1					0
alpha globin regulatory element containing protein	1	0				
alpha-mannosyl-glycoprotein 4-beta-n-acetylglucosaminyltransferase a	1					0
alpha-mannosyltransferase alg9-like	1			0		
alpha-sialyltransferase	1			0		
alpha-sialyltransferase st3gal ii	1	0				
alpha-sialyltransferase st3gal v	1			0		
alpha-sialyltransferase st8sia v	1				0	
alpha thalassaemia mental retardation x-linked protein	1	0				
alpha thalassemia mental retardation syndrome x-linked	1				0	
alpha thalassemia mental retardation syndrome x-linked (rad54 cerevisiae)	1	0				
alpha thalassemia mental retardation syndrome x-linked homolog	1	0				
alpha-fucosyltransferase 11 precursor	1					0
alpha-1-antitrypsin [Epinephelus coioides]	1		0			
alpha1a-voltage-dependent calcium channel	1					0
alpha-2a- receptor	1			0		
alpha-2-antiplasmin-like isoform 1	1		0			
alpha-2-macroglobulin receptor	1			0		
alpha-2-macroglobulin-like isoform 2	1		0			
alpha3-fucosyltransferase	1	0				
alpha-actinin-1-like isoform 1	1				0	
alpha-actinin-4-like isoform 1	1				0	
alpha-aminoadipate aminotransferase	1		0			
alpha-crystallin b chain	1	0				
alpha-dystroglycan	1	0				
alpha-galactosidase a	1				0	

alpha-n-acetylgalactosaminidase precursor	1		0		
alpha-synuclein	1			0	
alpha-tocopherol transfer protein	1	0			
alphatub84b-prov protein	1				0
alpha-tubulin	1		0		
alport mental midface hypoplasia and elliptocytosis chromosomal gene 1	1	0			
alternative oxidase	1	0			
alveolar soft part sarcoma chromosome candidate 1	1		0		
amidohydrolase domain containing 2	1	0			
amiloride-sensitive amine oxidase	1		0		
amiloride-sensitive cation channel neuronal	1			0	
amiloride-sensitive cation channel pituitary	1			0	
amine copper containing 3	1	0			
amine oxidase	1		0		
amino acid permease	1		0		
aminoacyl trna synthetase complex-interacting multifunctional protein 1	1	0			
aminoadipate-semialdehyde dehydrogenase- phosphopantetheinyl transferase	1	0			
aminopeptidase puromycin sensitive	1	0			
aminophospholipid transporter class type member 1	1			0	
ammonium transporter rh type a	1	0			
amp deaminase 3	1	0			
ampa selective glutamate receptor	1				0
amp-dependent synthetase and ligase	1		0		
amphiphysin isoform 2	1				0
amyloid beta a4 partial	1				0
amyloid beta a4 precursor protein-binding family a member 1	1			0	
amyloid beta a4 precursor protein-binding family a member 2-like	1			0	
amyloid beta a4 precursor protein-binding family a member 2-like isoform 2	1				0
amyloid beta a4 precursor protein-binding family a member 3	1				0
amyloid beta a4 precursor protein-binding family b member 1	1	0			
amyloid beta a4 precursor protein-binding family b member 2	1				0
amyloid beta a4 precursor protein-binding family b member 2-like	1			0	
amyloid beta precursor protein- family member 1 interacting protein	1		0		
amyloid beta precursor protein- family member 2-like	1	0			
amyotrophic lateral sclerosis 2 chromosome candidate 2	1	0			
an1-type zinc finger protein 3	1	0			
an1-type zinc finger protein 3-like	1				0
anaphase promoting complex subunit 1	1			0	
anaphase promoting complex subunit 4	1		0		
anaphase-promoting complex subunit 1	1				0
anaphase-promoting complex subunit 2	1			0	
anaphase-promoting complex subunit 7	1		0		
and ph domain containing 1	1	0			
and ph domain containing 5	1		0		
and ph domain-containing protein 3-like	1			0	

and ph domain-containing protein 4	1		o		
and ph domain-containing protein 5 (zinc finger fyve domain-containing protein 23)	1		o		
and pleckstrin domain protein 2	1		o		
and pleckstrin domain-containing protein 1	1				o
androgen receptor alpha	1		o		
androgen receptor beta	1		o		
angiogenin 4	1		o		
angiomotin-like protein 2	1				o
angiomotin-like protein 2-like	1				o
angiopoietin-like 5	1		o		
angiopoietin-like 7	1		o		
angiopoietin-related protein 4 precursor	1		o		
angiotensin converting partial	1				o
angiotensin i converting enzyme (peptidyl-dipeptidase a) 1	1		o		
ank accession number ab073376 non-ltr retrotransposable element partially supported by genscan in oryzias latipes	1		o		
ank1 protein	1				o
ankyrin 3	1				o
ankyrin isoform cra_a	1		o		
ankyrin isoform cra_b	1				o
ankyrin isoform cra_e	1				o
ankyrin isoform cra_i	1				o
ankyrin repeat and btb poz domain-containing protein btbd11-like	1		o		
ankyrin repeat and death domain containing 1a	1		o		
ankyrin repeat and kinase domain containing 1	1		o		
ankyrin repeat and socs box protein 12	1				o
ankyrin repeat and socs box protein 2	1		o		
ankyrin repeat and socs box protein 8	1		o		
ankyrin repeat and socs box-containing 14	1		o		
ankyrin repeat and socs box-containing 4	1		o		
ankyrin repeat and socs box-containing 6	1		o		
ankyrin repeat and sterile alpha motif domain containing 6	1		o		
ankyrin repeat domain 13b	1				o
ankyrin repeat domain 2 (stretch responsive muscle)	1		o		
ankyrin repeat domain 28	1				o
ankyrin repeat domain-containing protein 1	1		o		
ankyrin repeat domain-containing protein 11-like	1				o
ankyrin repeat domain-containing protein 13d	1		o		
ankyrin repeat domain-containing protein 27	1				o
ankyrin repeat domain-containing protein 39	1		o		
ankyrin repeat domain-containing protein 40-like	1				o
ankyrin repeat domain-containing protein 57	1		o		
ankyrin repeat family a protein 2	1				o
anoctamin-10 isoform 3	1				o
anterior gradient protein 3 homolog precursor	1		o		
anterior pharynx defective 1 homolog a (elegans)	1				o
anti-apoptotic protein nr13	1		o		
antigen cd18	1		o		
antigen identified by monoclonal antibody ki-67	1		o		

ap-1 complex subunit beta-1 isoform 3	1				0	
ap-1 complex subunit gamma-1-like isoform 1	1			0		
ap-1 complex subunit mu-1-like isoform 2	1		0			
ap1 endonuclease	1	0				
ap1 gamma subunit binding protein 1	1				0	
ap-2 complex subunit alpha-2	1	0				
ap-2 complex subunit sigma	1					0
ap-3 complex subunit beta-1	1	0				
ap-4 complex subunit sigma-1	1					0
apaf1-interacting protein homolog	1				0	
apelin receptor a	1	0				
apex nuclease (apurinic apyrimidinic endonuclease) 2	1	0				
apical protein	1	0				
ap-like endonuclease reverse transcriptase	1	0				
apolipoprotein ai	1			0		
apolipoprotein a-i binding protein	1	0				
apolipoprotein a-iv precursor	1			0		
apolipoprotein a-iv3	1		0			
apolipoprotein b 100	1		0			
apolipoprotein b precursor	1		0			
apolipoprotein b-100 precursor	1				0	
apolipoprotein f precursor	1					0
Apolipoprotein-L3 [Salmo salar]	1	0				
apoptosis antagonizing transcription factor	1			0		
apoptosis regulator bax	1		0			
apoptosis-inducing factor 2	1		0			
apoptosis-inducing mitochondrion- 3	1					0
apoptosis-inducing mitochondrion-associated 1	1			0		
aprataxin	1	0				
aprataxin-like isoform 1	1			0		
aquaporin 11	1		0			
aquaporin 7	1		0			
arachidonate lipoxygenase 3	1			0		
arfaptin-1 isoform 2	1				0	
arfaptin-1-like isoform 2	1				0	
arfaptin-2-like isoform 2	1					0
arf-gap domain and fg repeats-containing protein 1-like	1	0				
arf-gap with coiled- ank repeat and ph domain-containing protein 2	1		0			
arf-gap with rho-gap ank repeat and ph domain-containing protein 1-like	1	0				
arginine glutamic acid dipeptide repeats	1	0				
arginine methyltransferase 3-like	1	0				
arginine vasopressin-induced protein 1	1		0			
arginine-glutamic acid dipeptide repeats	1					0
arkadia-like 1 isoform 1	1	0				
arl13b protein	1	0				
armadillo repeat containing 3	1				0	
armadillo repeat gene deletes in velo-cardio-facial syndrome	1	0				
armadillo repeat protein deleted in velo-cardio-facial syndrome	1				0	
arp1 actin-related protein 1 homolog b	1				0	
arp6 actin-related protein 6 homolog	1	0				
arrestin domain containing 2	1		0			
arrestin domain-containing protein 2	1				0	
aryl hydrocarbon receptor 2b	1	0				

aryl hydrocarbon receptor nuclear translocator 2	1			0	
arylacetamide deacetylase	1	0			
arylformamidase	1			0	
arylsulfatase k precursor	1	0			
asialoglycoprotein receptor isoform cra_b	1		0		
asparagine-linked glycosylation 13 homolog (cerevisiae)	1			0	
asparaginyl-trna synthetase	1		0		
aspartate mitochondrial	1		0		
aspartate-beta-hydroxylase	1		0		
aspartic retroviral-like 1	1	0			
aspartoacylase 2	1				0
aspartyl aminopeptidase	1			0	
aspartyl asparaginyl beta-hydroxylase	1	0			
aspartyl-trna mitochondrial	1			0	
aspartyl-trna synthetase 2	1		0		
asph protein	1				0
asporin precursor	1	0			
astacin like metalloprotease	1		0		
astrocytic phosphoprotein pea-15-like	1	0			
astrotactin 2	1				0
at dna binding containing 1	1				0
at hook motif family protein	1	0			
ataxin 3 variant ref	1				0
ataxin-1-like	1	0			
ataxin-2-like protein	1		0		
ataxin-7-like protein 3-like isoform 2	1	0			
atlastin 3	1	0			
atp dependent rna	1				0
atp gtp binding 5	1				0
atp h+ mitochondrial f0 subunit d	1				0
atp h+ mitochondrial f1 gamma polypeptide 1	1			0	
atp synthase subunit b	1		0		
atp5a1 protein	1				0
atpase aaa domain containing 1	1		0		
atpase family aaa domain-containing protein 2	1		0		
atpase family aaa domain-containing protein 3	1				0
atpase h+ transporting v0 subunit	1				0
atpase type 13a3	1	0			
atp-binding cassette sub-family a member 1	1				0
atp-binding cassette sub-family b member 9	1				0
atp-binding cassette sub-family d member 3	1		0		
atp-binding cassette sub-family g member 5	1		0		
atp-binding sub-family a member 3	1				0
atp-binding sub-family b (mdr tap) member 10	1		0		
atp-binding sub-family b (mdr tap) member 3 like 1	1	0			
atp-binding sub-family c (cfr mrp) member 3	1				0
atp-binding sub-family c (cfr mrp) member 4	1	0			
atp-binding sub-family d member 1	1		0		
atp-dependent chaperone protein	1			0	
atp-dependent clp protease atp-binding subunit clpx- mitochondrial	1				0
atp-dependent metalloprotease yme11 isoform 2	1				0
atp-dependent metalloprotease yme111-like	1	0			
atp-dependent rna helicase	1	0			
atp-dependent rna helicase ddx18	1				0

atp-dependent rna helicase ddx19b-like	1		o		
atp-dependent rna helicase ddx1-like	1		o		
atp-dependent rna helicase ddx24-like	1	o			
atp-dependent rna helicase ddx3x	1	o			
atp-dependent zinc metalloprotease yme111	1		o		
atp-sensitive inward rectifier potassium channel 10-like	1				o
atrial natriuretic peptide-converting enzyme	1			o	
at-rich interactive domain-containing protein 3a	1		o		
at-rich interactive domain-containing protein 4b-like	1	o			
atr-interacting protein	1		o		
atrophin 1	1			o	
atrophin-1	1				o
attractin	1			o	
attractin-like 1	1	o			
autophagy protein 9	1				o
autophagy-related protein 2 homolog b-like	1	o			
autophagy-related protein 9a	1			o	
autosomal recessive 1a	1	o			
axonemal dynein light chain domain-containing protein 1	1		o		
b cell rag associated protein	1	o			
b chain alternative splicing of rac1 generates a self-activating gtpase	1			o	
b chain crystal structure of the ectodomain complex of the cgrp a class-b reveals the site of drug antagonism	1	o			
b chain histone h3 recognition and presentation by the wdr5 module of the mll1 complex	1		o		
b chain snapshots of the rna processing factor scaf8 bound to different phosphorylated forms of the carboxy-terminal domain of rna-polymerase ii	1	o			
b double prime subunit of rna polymerase iii transcription initiation factor iiib	1			o	
bactericidal permeability-increasing protein lipopolysaccharide-binding protein	1	o			
baculoviral iap repeat-containing 5	1		o		
baculoviral iap repeat-containing isoform cra_a	1	o			
baculoviral iap repeat-containing protein 4	1	o			
baculoviral iap repeat-containing protein 5-partial	1		o		
baculoviral iap repeat-containing protein 6-like	1			o	
bag family molecular chaperone regulator 2	1	o			
band -like protein 3 () (differentially expressed in adenocarcinoma of the lung protein 1) (dal-1)	1			o	
bardet-biedl syndrome 1	1	o			
bardet-biedl syndrome 5	1	o			
bardet-biedl syndrome 5 protein homolog	1				o
bardet-biedl syndrome 7	1	o			
basement membrane-specific heparan sulfate proteoglycan core protein	1			o	
basic helix-loop-helix domain-containing protein kiaa2018	1				o

basic helix-loop-helix domain-containing protein kiaa2018-like	1			o
basic leucine zipper and w2 domain-containing protein 1	1			o
basic leucine zipper nuclear factor 1	1	o		
basonuclin 2	1		o	
bbsome-interacting protein 1-like	1			o
bc002230 protein	1	o		
b-cell antigen receptor complex-associated protein alpha chain	1	o		
b-cell antigen receptor complex-associated protein beta chain-like	1	o		
b-cell cll lymphoma 2	1	o		
b-cell cll lymphoma 6	1	o		
b-cell cll lymphoma member b	1	o		
b-cell leukemia lymphoma 2	1	o		
b-cell lymphoma 6 protein isoform 2	1	o		
bchain crystal structure of an integrin beta3-talin chimera	1		o	
bcl10-interacting card protein	1	o		
bcl2 adenovirus e1b 19 kda protein-interacting protein 2-like	1		o	
bcl2 adenovirus e1b 19kda interacting protein 1	1		o	
bcl2 adenovirus e1b 19kda interacting protein 3-like	1		o	
bcl2-antagonist of cell death	1		o	
bcl2-associated athanogene	1	o		
bcl2-associated athanogene 2	1	o		
bcl2-associated athanogene 3	1	o		
bcl2-like 12 (proline rich)	1		o	
bcl2-like 13 (apoptosis facilitator)	1		o	
bcl2-related ovarian killer	1			o
bcl6 co-repressor	1		o	
bcl-6 interacting corepressor-like	1	o		
bel12_ag transposon polyprotein	1		o	
benzodiazapine receptor associated protein 1	1	o		
bestrophin 3	1	o		
bet1-like protein	1	o		
beta 1 (fibronectin beta antigen cd29 includes msk12) isoform cra_a	1	o		
beta 2 (laminin s)	1	o		
beta fibrinogen	1			o
beta-galactosyl-o-glycosyl-glycoprotein beta- -n-acetylglucosaminyltransferase 7	1		o	
beta-galactosyltransferase 3	1		o	
beta-galactosyltransferase 6	1		o	
beta-galactosyltransferase-like	1	o		
beta-n-acetyl-galactosaminyl transferase 1	1		o	
beta-n-acetyl-galactosaminyl transferase 2	1	o		
beta-n-acetylglactosaminyltransferase 1	1	o		
beta-n-acetylglactosaminyltransferase 2	1		o	
beta subunit of rna polymerase	1			o
beta-2-glycoprotein 1	1		o	
beta-galactosamide alpha- -sialyltransferase ii	1		o	
beta-galactoside alpha -sialyltransferase st6gal ii	1		o	

beta-hexosaminidase beta chain precursor (n-acetyl-beta-glucosaminidase) (beta-n-acetylhexosaminidase) (hexosaminidase b) (cervical cancer proto-oncogene 7) (hcc-7)	1		0		
beta-hexosaminidase subunit beta	1			0	
beta-ketoacyl synthase	1	0			
beta-lactamase domain protein	1		0		
beta-lactamase-like protein	1	0			
beta-soluble nsf attachment	1				0
Beta-synuclein [Heterocephalus glaber]	1				0
beta-tubulin	1				0
beta-tubulin at isoform a	1			0	
bhlh protein dec1a	1	0			
bhlh protein dec1b	1	0			
bicaudal c homolog 1	1			0	
bicaudal d homolog 2	1			0	
bifunctional atp-dependent dihydroxyacetone kinase fad-amp lyase	1	0			
bifunctional methylenetetrahydrofolate dehydrogenase mitochondrial-like	1			0	
bifunctional protein ncoat	1	0			
biglycan	1				0
biglycan preproprotein variant	1	0			
biogenesis of lysosome-related organelles complex 1 subunit 3	1			0	
biogenesis of lysosome-related organelles complex-1 subunit 2	1	0			
biorientation of chromosomes in cell division protein 1	1				0
bis(5 -nucleosyl)-tetrphosphatase -bisphosphate nucleotidase 1	1		0		0
bladder cancer-associated protein	1	0			
blastula protease-10	1			0	
blood vessel epicardial substance	1	0			
bloodthirsty	1				0
bmp and activin membrane-bound inhibitor homolog	1	0			
bmp-2-inducible protein kinase isoform 1	1	0			
bnr repeat domain protein	1		0		
bola-like protein 3	1	0			
bone morphogenetic protein 1 precursor	1			0	
bone morphogenetic protein 7	1	0			
bone specific cmf608	1	0			
borealin	1			0	
br serine threonine kinase isoform cra_c	1	0			
brachyury and tbx related protein	1			0	
brain and acute cytoplasmic	1				0
brain and muscle arnt-like 1 protein	1		0		
brain protein 16	1	0			
brain protein i3	1	0			
brain specific kinase 146	1	0			
brain-enriched guanylate kinase-associated	1				0
brain-enriched guanylate kinase-associated protein	1			0	
brain-specific angiogenesis inhibitor 1-associated protein 2	1				0
branched chain aminotransferase cytosolic	1	0			
branched-chain-amino-acid cytosolic	1	0			
brct domain protein	1	0			
breakpoint cluster region	1	0			

breakpoint cluster region isoform 1	1			o	
breast cancer antiestrogen resistance 3	1		o		
breast cancer anti-estrogen resistance protein 1	1				o
breast carcinoma amplified sequence 3	1	o			
brefeldin a-inhibited guanine nucleotide-exchange protein 1-like	1	o			
brefeldin a-inhibited guanine nucleotide-exchange protein 3	1			o	
brevican core	1				o
brevican isoform 1	1			o	
bridging integrator 2	1			o	
brisc complex subunit abro1	1	o			
bro1 domain-containing protein brox	1			o	
bromo adjacent homology domain-containing 1	1			o	
bromodomain adjacent to zinc finger 1a	1	o			
bromodomain adjacent to zinc finger domain protein 2a	1			o	
bromodomain and phd finger 1	1	o			
bromodomain and wd repeat domain containing 2	1	o			
bromodomain and wd repeat-containing protein 1	1			o	
bromodomain containing 8 isoform 1	1	o			
bromodomain phd finger transcription factor	1	o			
bromodomain-containing protein	1		o		
bromodomain-containing protein 7	1		o		
bromodomain-containing protein 8	1			o	
bruno-3 transcript variant 4	1				o
bruno-like 4 protein	1				o
bruno-like rna binding protein	1				o
bruton agammaglobulinemia tyrosine kinase	1	o			
btb and cnc homology basic leucine zipper transcription factor 1	1	o			
btb and cnc homology basic leucine zipper transcription factor 2	1	o			
btb domain containing 14a	1			o	
btb domain containing 3	1				o
btb poz domain-containing protein 17-like	1			o	
btb poz domain-containing protein kctd4-like	1				o
btb poz domain-containing protein kctd9-like	1				o
bub3 budding uninhibited by benzimidazoles 3 homolog	1	o			
bud13 homolog	1	o			
budding uninhibited by benzimidazoles 3 homolog	1	o			
butyrobetaine 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1	1		o		
butyrophilin subfamily 1 member a1 precursor	1	o			
butyrophilin-like protein 2-like	1		o		
butyrophilin-like protein 8-like	1				o
c alpha -sialyltransferase	1	o			
c14orf179 homolog	1	o			
C19orf52 [Anoplopoma fimbria]	1		o		
c1orf131 homolog	1	o			
c1orf187 precursor	1		o		
c1orf43 homolog	1		o		
c1orf93 homolog	1		o		

c1q and tumor necrosis factor related protein 6	1	o			
c2 domain-containing protein 2-like	1		o		
c2h2 finger domain	1	o			
c2h2 finger domain-containing protein	1			o	
c2h2 transcription factor	1				o
c2orf25 mitochondrial precursor	1		o		
c2orf29 protein	1	o			
c3 and pzp- alpha-2-macroglobulin domain containing 8	1		o		
c3orf54 homolog	1	o			
c4b-binding protein alpha chain precursor	1			o	
c4orf8 protein	1	o			
c5orf4 protein	1		o		
c6orf89 homolog	1	o			
c7orf10 protein	1		o		
c9orf123 homolog	1			o	
c9orf75 protein	1			o	
c9orf85 homolog	1		o		
ca++ cardiac fast twitch isoform cra_b	1	o			
ca++ cardiac slow twitch isoform cra_b	1		o		
ca++ cardiac slow twitch isoform cra_d	1		o		
ca++ plasma membrane 2	1			o	
ca++ plasma membrane 3-like isoform 1	1				o
ca++ plasma membrane 4	1				o
ca++ ubiquitous	1			o	
cad protein	1			o	
cadherin 15	1	o			
cadherin 22-like	1	o			
cadherin 4	1			o	
cadherin egf lag seven-pass g-type receptor 3	1			o	
cadherin h-cadherin	1			o	
cadherin osteoblast	1			o	
cadherin protein	1			o	
cadherin type 2	1			o	
cadherin type 2 prepro partial	1				o
cadherin-2 precursor	1			o	
cadherin-like 24	1	o			
cadherin-related family member 1-like	1			o	
cadherin-related family member 2-like	1				o
cadherin-related family member 5-like	1			o	
cadherin-related neuronal receptor variable 11	1				o
cadherin-related neuronal receptor variable 4	1				o
calbindin 1	1				o
calcineurin binding protein isoform cra_c	1				o
calcitonin gene-related peptide precursor	1				o
calcitonin receptor like receptor 3 spliced isoform	1	o			
calcium binding protein 5	1			o	
calcium calmodulin-dependent protein kinase (kinase) ii delta	1			o	
calcium calmodulin-dependent protein kinase (kinase) ii delta 2	1			o	
calcium calmodulin-dependent protein kinase beta	1	o			
calcium calmodulin-dependent protein kinase i	1	o			
calcium calmodulin-dependent protein kinase id	1			o	
calcium calmodulin-dependent protein kinase ii delta	1		o		

calcium calmodulin-dependent protein kinase iia	1			o	
calcium calmodulin-dependent protein kinase kinase alpha	1			o	
calcium calmodulin-dependent protein kinase type ii gamma chain	1			o	
calcium calmodulin-dependent protein kinase type ii subunit beta-like	1			o	
calcium calmodulin-dependent protein kinase type ii subunit gamma	1	o			
calcium channel alpha-1 subunit homolog	1	o			
calcium channel flower homolog	1	o			
calcium modulating ligand	1		o		
calcium polyvalent cation receptor 3	1	o			
calcium signal-modulating cyclophilin ligand-like	1				o
calcium uptake protein mitochondrial	1				o
calcium voltage- alpha 1f subunit	1		o		
calcium voltage- alpha 2 delta subunit 3	1			o	
calcium voltage- alpha2 delta subunit partial	1	o			
calcium voltage- beta 1 subunit	1	o			
calcium voltage- beta 2 subunit	1				o
calcium voltage- beta 3a	1				o
calcium voltage- t alpha 1g subunit	1				o
calcium voltage- t alpha 1h subunit	1				o
calcium voltage- t alpha 1i subunit	1			o	
calcium-binding and coiled-coil domain-containing protein 2	1		o		
calcium-binding mitochondrial carrier protein s -2	1			o	
calcium-binding mitochondrial carrier protein s -3-like	1				o
calcium-binding protein 39-like	1	o			
calcium-dependent secretion activator 1	1				o
calcium-independent phospholipase a2-gamma	1		o		
calcium-regulated heat stable protein 1	1				o
calcium-transporting atpase sarcoplasmic endoplasmic reticulum type (calcium pump)	1	o			
calcyclin-binding protein	1		o		
caldesmon 1	1	o			
calmodulin 2	1			o	
calmodulin 2 (phosphorylase delta) isoform cra_a	1				o
calmodulin 2-like	1		o		
calmodulin binding protein 4	1				o
calmodulin binding transcription activator 2	1			o	
calmodulin-like protein 4	1		o		
calmodulin-regulated spectrin-associated protein 3-like	1		o		
calnexin	1			o	
calpactin i heavy calcium ion binding protein	1		o		
calpain	1		o		
calpain (mu i) large subunit a	1			o	
calpain isoform cra_a	1		o		
calpain-3	1	o			
calpain-3-like isoform 3	1	o			
calsequestrin 1 (fast- skeletal muscle)	1	o			
calsequestrin 2 (cardiac muscle)	1			o	
calsequestrin 2b	1				o

calsyntenin 2	1				o	
calumenin	1	o				
camk family protein kinase	1	o				
camp and camp-inhibited cgmp -cyclic phosphodiesterase	1				o	
camp responsive element binding 2	1					o
camp-dependent protein kinase catalytic subunit beta	1				o	
camp-responsive element modulator	1	o				
camp-responsive element modulator-like isoform 1	1		o			
canalicular multispecific organic anion transporter 1	1			o		
cancer susceptibility candidate 4 isoform 1	1	o				
cancer susceptibility candidate 5	1	o				
canopy homolog 2 precursor	1				o	
cap-gly domain containing linker protein 1	1	o				
cap-gly domain-containing linker protein 1-like isoform 2	1					o
cap-gly domain-containing linker protein 2-like	1				o	
capping protein (actin filament) gelsolin-like	1	o				
cappuccino homolog	1					o
capsid maturational protease	1				o	
carbamoyl-phosphate synthetase aspartate and dihydroorotase	1	o				
carbohydrate kinase domain containing	1	o				
carbohydrate kinase domain containing-like	1	o				
carbohydrate kinase domain-containing protein	1				o	
carbohydrate sulfotransferase 12	1	o				
carbohydrate sulfotransferase 15-like	1		o			
carbohydrate sulfotransferase 1-like	1					o
carbonic anhydrase vi	1	o				
carbonic anhydrase vii	1				o	
carbonic anhydrase viii	1					o
carbonic anhydrase xii	1					o
carboxyl transferase	1		o			
carboxylesterase 1 (monocyte macrophage serine esterase 1)	1		o			
carboxylesterase 7	1		o			
carboxypeptidase b2 precursor	1				o	
carboxypeptidase e precursor	1					o
carboxypeptidase h	1				o	
carboxypeptidase n catalytic chain precursor	1				o	
carboxypeptidase o	1	o				
carboxypeptidase x 2 (m14 family)	1	o				
carboxypeptidase z-like	1					o
cardiac calsequestrin	1				o	
cardiac troponin t	1	o				
carnitine o-acetyltransferase-like	1				o	
carnitine o-palmitoyltransferase liver isoform-like	1				o	
carnitine palmitoyltransferase i	1			o		
carnosine dipeptidase 1 (metallopeptidase m20 family)	1					o
cartilage acidic protein 1	1	o				
cartilage-associated protein precursor	1				o	
cas scaffolding protein family member 4	1	o				
cas1 domain-containing protein 1-like	1				o	

cas-br-m ecotropic retroviral transforming sequence b	1	o				
cas-br-m ecotropic retroviral transforming sequence b isoform 1	1					o
casein kinase 1 epsilon	1					o
casein kinase 1 gamma 2a	1		o			
casein kinase 2 alpha 1	1			o		
cask interacting protein 1	1					o
casin1 protein	1	o				
caspase 9	1	o				
caspase a	1	o				
caspase recruitment domain-containing protein 8-like	1					o
caspase xa	1	o				
caspase-1 [Sparus aurata]	1		o			
caspase-1 precursor	1			o		
cat eye syndrome chromosome candidate 1	1	o				
cat eye syndrome chromosome candidate 5	1		o			
cat eye syndrome critical region protein 2	1					o
catenin (cadherin-associated protein) alpha 102kda	1					o
catenin alpha-2	1					o
cathepsin e	1			o		
cathepsin k precursor	1				o	
cathepsin l1 precursor	1					o
cation diffusion facilitator family transporter containing protein	1					o
cation h+ exchanger protein 1	1			o		
catna1 protein	1		o			
caveolin 1	1	o				
caveolin 3	1	o				
cbf1 interacting corepressor cir	1					o
cbsa protein	1		o			
cc chemokine ck-	1	o				
cc chemokine receptor 5	1	o				
c-c chemokine receptor type 7-like	1				o	
c-c motif chemokine 19 precursor	1			o		
cc078_mouse ame: full=upf0640 protein	1					o
c3orf78 homolog ame: full=small nucleolar rna host gene 8	1					o
ccaat enhancer-binding protein zeta	1		o			
ccch zinc finger domain protein	1	o				
ccctc-binding factor (zinc finger protein)-like	1		o			
ccn1 protein	1	o				
ccr4 carbon catabolite repression 4-like	1	o				
ccr4 carbon catabolite repression 4-like (cerevisiae)	1		o			
ccr4-not transcription complex subunit 8	1			o		
ccr4-not transcription subunit 4	1		o			
cd164 sialomucin	1		o			
cd200 molecule	1	o				
cd200 receptor 1	1	o				
cd209 molecule	1			o		
cd276 antigen-like	1	o				
cd276 molecule	1	o				
cd2-associated protein	1	o				
cd3 epsilon	1	o				
cd3 zeta	1	o				
cd40 antigen	1					o
cd4-2 protein	1	o				

cd48 antigen precursor	1	o						
CD63 antigen, putative [Pediculus humanus corporis]	1				o			
cd68 molecule	1	o						
cd80 86 molecule short secretory form	1				o			
cd82 antigen-like	1							o
cd97 antigen precursor	1	o						
cd97 antigen-like	1	o						
cd99 antigen-like protein 2-like	1					o		
cd99 molecule-like 2	1							o
cdc211 protein	1				o			
cdc42 binding protein kinase alpha (dmpk-like)	1	o						
cdc42 effector protein (rho gtpase binding) 1	1	o						
cdc42 effector protein 3	1	o						
cdc42 gtpase-activating protein	1	o						
cdc42 small effector 2	1		o					
cdc42 small effector protein 2-like	1				o			
cdc42-interacting protein 4	1		o					
cdc-like kinase 1	1	o						
cdgsh iron sulfur domain 1	1				o			
cdgsh iron sulfur domain-containing protein 2	1	o						
cdk5 regulatory subunit associated protein 1-like 1	1	o						
cdk5 regulatory subunit associated protein 2	1	o						
cdk-activating kinase assembly factor mat1	1	o						
cdkn2a interacting protein	1				o			
cdkn2a-interacting protein	1	o						
cdkn2aip n-terminal-like protein	1	o						
cdna sequence bc052484-like	1	o						
cdna sequence isoform cra_a	1							o
cdp-diacylglycerol--glycerol-3-phosphate 3-mitochondrial	1		o					
cell adhesion molecule 1 isoform 2	1							o
cell adhesion molecule jcam	1		o					
cell adhesion molecule with homology to 11cam	1							o
cell cycle checkpoint protein rad17	1							o
cell cycle control protein 50c	1		o					
cell cycle progression protein 1	1				o			
cell death-inducing dffa-like effector c	1					o		
cell division control protein 42 homolog	1						o	
cell division cycle 25a	1	o						
cell division cycle and apoptosis regulator protein 1	1						o	
cell division cycle and apoptosis regulator protein 1-like	1		o					
cell division cycle associated 4	1	o						
cell division cycle-associated protein 7	1				o			
cell division protein	1						o	
cell division protein kinase 17	1							o
cell division protein kinase 9	1	o						
cell growth regulator with ef-hand domain 1	1	o						
cell surface fibronectin-binding protein	1							o
cell surface protein	1				o			
cell wall adhesin	1	o						
cell wall-associated hydrolase	1				o			
cellular retinoic acid binding protein 2	1	o						
centrin-1	1	o						
centromere protein 312kda	1	o						

centromere protein c 1	1	o				
centromere protein e	1	o				
centromere protein j	1					o
centromere protein o	1	o				
centromere protein q-like	1			o		
centromere protein t	1			o		
centromere protein x	1	o				
centromere protein x-like	1				o	
centrosomal protein of 44 kda	1			o		
centrosomal protein poc5	1			o		
centrosome and spindle pole associated protein 1	1		o			
ceramide glucosyltransferase	1		o			
cerebellar degeneration-related protein 2	1			o		
cerebellin-2 precursor	1					o
cerebellin-2-like	1					o
ceroid- neuronal 5	1	o				
ceroid- neuronal isoform cra_a	1	o				
ceroid-lipofuscinosis neuronal protein 5-like	1					o
ceruloplasmin [Chionodraco rastrispinosus]	1			o		
ceruloplasmin precursor	1				o	
cf191 protein	1				o	
cg31439 cg31439- partial	1	o				
cg33099 cg33099-pa	1			o		
cg41389 cg41389- partial	1	o				
cgmp-dependent protein kinase 1	1	o				
cgmp-inhibited 3 -cyclic phosphodiesterase a	1					o
cgmp-stimulated cyclic nucleotide phosphodiesterase	1					o
ch076 protein	1	o				
chain a six finger zinc finger designed to recognize ann partial	1				o	
chaperonin containing tcp-1 delta	1	o				
chaperonin subunit 6a zeta	1				o	
charged multivesicular body protein 2b	1		o			
chd9 protein	1	o				
chemokine (c-c motif) ligand 19	1				o	
chemokine (c-c motif) ligand 22	1				o	
chemokine (c-c motif) ligand 3-like 1	1	o				
chemokine (c-c motif) ligand 4	1	o				
chemokine (c-x-c motif) ligand 14	1	o				
chemokine (c-x-c motif) receptor 4	1			o		
chemokine orphan receptor isoform cra_a	1	o				
chemokine receptor-like 1-like	1	o				
chemokine-like factor	1					o
chibby homolog 1	1				o	
chicken ovalbumin upstream promoter-transcription factor i	1				o	
chitinase domain containing 1	1	o				
chitinase domain-containing protein 1 precursor	1			o		
chk1 checkpoint homolog (pombe)	1					o
chloramphenicol acetyltransferase	1		o			
chloride channel 2	1				o	
chloride channel 3 isoform 1	1	o				
chloride channel protein 2	1				o	
chloride channel skeletal muscle	1	o				
chmadrin (short type)	1	o				
chn1 protein	1					o
choline ethanolamine kinase	1					o

choline kinase alpha-like	1						0
choline o-acetyltransferase isoform 1	1	o					
choline-phosphate cytidylyltransferase b	1		o				
cholinephosphotransferase 1	1	o					
cholinergic muscarinic 2	1				o		
chondroitin sulfate n-acetylgalactosaminyltransferase 1-like	1	o					
chondroitin sulfate proteoglycan 2 isoform cra_c	1	o					
chondroitin sulfate proteoglycan 5 (neuroglycan c)	1					o	
chorion protein	1			o			
choroideremia (rab escort protein 1)	1	o					
chromatin accessibility complex protein 1	1		o				
chromatin assembly factor subunit a	1	o					
chromatin modifying protein 6	1				o		
chromobox homolog 4	1	o					
chromobox homolog 5 (hp1 alpha drosophila)	1		o				
chromobox homolog 8	1				o		
chromobox homolog 8 (pc class drosophila)	1	o					
chromobox protein homolog 2	1						o
chromobox protein homolog 8	1	o					
chromobox protein homolog 8-like	1						o
chromodomain helicase dna binding protein 1	1	o					
chromodomain helicase dna binding protein isoform cra_a	1	o					
chromodomain y-like	1		o				
chromodomain y-like 2	1	o					
chromodomain-helicase-dna-binding protein 1-like	1	o					
chromodomain-helicase-dna-binding protein 2	1	o					
chromogranin a	1				o		
chromosomal protein d1	1	o					
chromosome 1 open reading frame 115	1	o					
chromosome 1 open reading frame 131	1			o			
chromosome 1 open reading frame 194	1				o		
chromosome 1 open reading frame 2	1					o	
chromosome 1 open reading frame 31	1			o			
chromosome 1 open reading frame 51	1	o					
chromosome 1 open reading frame 52	1						o
chromosome 1 open reading frame 71	1	o					
chromosome 1 open reading frame 83	1		o				
chromosome 1 open reading frame 93	1			o			
chromosome 1 open reading frame 95	1				o		
chromosome 1 open reading frame isoform cra_a	1	o					
chromosome 10 open reading frame 18	1		o				
chromosome 10 open reading frame 26	1				o		
chromosome 10 open reading frame 32	1	o					
chromosome 10 open reading frame 58	1		o				
chromosome 10 open reading frame 59	1	o					
chromosome 10 open reading frame 72	1				o		
chromosome 10 open reading frame 97	1	o					
chromosome 12 open reading frame 43	1					o	
chromosome 12 open reading frame 45	1	o					
chromosome 14 open reading frame 152	1						o
chromosome 14 open reading frame 166b	1	o					
chromosome 14 open reading frame isoform cra_a	1	o					
chromosome 15 open reading frame 52	1	o					

chromosome 16 open reading frame 62 protein	1	o			
chromosome 16 open reading frame 84	1	o			
chromosome 17 open reading frame 28	1				o
chromosome 17 open reading frame 75	1		o		
chromosome 17 open reading frame isoform cra_a	1	o			
chromosome 18 open reading frame isoform cra_a	1	o			
chromosome 19 open reading frame 26	1				o
chromosome 20 open reading frame 4	1	o			
chromosome 20 open reading frame 43	1	o			
chromosome 21 open reading frame 63 ortholog	1	o			
chromosome 22 open reading frame 28	1	o			
chromosome 3 open reading frame 19	1	o			
chromosome 3 open reading frame 23	1		o		
chromosome 3 open reading frame 26	1			o	
chromosome 3 open reading frame 70	1	o			
chromosome 4 open reading frame 34	1		o		
chromosome 5 open reading frame 22	1	o			
chromosome 5 open reading frame 28	1	o			
chromosome 5 open reading frame 35	1	o			
chromosome 5 open reading frame isoform cra_a	1		o		
chromosome 6 open reading frame 150	1			o	
chromosome 6 open reading frame 35	1		o		
chromosome 7 open reading frame 25	1		o		
chromosome 7 open reading frame 28b	1		o		
chromosome 7 open reading frame 36	1			o	
chromosome 7 open reading frame 41	1	o			
chromosome 7 open reading frame 64	1				o
chromosome 8 open reading frame 85-like	1			o	
chromosome 9 open reading frame 119	1			o	
chromosome 9 open reading frame 125	1		o		
chromosome 9 open reading frame 127	1				o
chromosome 9 open reading frame 61	1	o			
chromosome 9 open reading frame 64	1	o			
chromosome 9 open reading frame 89	1	o			
chromosome segregation 1-like (cerevisiae)	1				o
chromosome segregation protein	1	o			
chromosome transmission fidelity protein 18 homolog	1				o
chromosome x open reading frame 38	1	o			
chromosome x open reading frame isoform cra_a	1			o	
churchill domain containing 1	1		o		
chy zinc finger family protein	1	o			
chymotrypsin-like	1		o		
chymotrypsin-like elastase family member 1 precursor	1		o		
chymotrypsin-like elastase family member 2a	1		o		
chymotrypsin-like elastase member 3b-like	1		o		
ciliary neurotrophic factor receptor	1				o
cingulin	1			o	
cingulin-like 1	1			o	
citrate lyase beta like	1	o			
c-jun-amino-terminal kinase-interacting protein 1	1				o

c-jun-amino-terminal kinase-interacting protein 4-like	1		o			
cklf-like marvel transmembrane domain containing 3	1		o			
cklf-like marvel transmembrane domain-containing protein 3	1					o
cl032 protein	1				o	
class i helical cytokine receptor number 16	1			o		
class i helical cytokine receptor number 20	1		o			
class i helical cytokine receptor number 26	1					o
class type 10a	1			o		
class type 11a	1					o
class type 11a isoform cra_b	1		o			
class type 11b	1		o			
class vii unconventional myosin	1				o	
clathrin coat assembly protein ap180-like	1					o
clathrin light chain a	1					o
clathrin light chain a-like isoform 1	1					o
clathrin light chain a-like isoform 2	1					o
clathrin light chain b-like isoform 1	1					o
claudin 10 like	1			o		
claudin 11	1		o			
claudin 12	1		o			
claudin 5	1		o			
claudin-4	1				o	
cleavage and polyadenylation specificity factor subunit 3	1					o
cleavage and polyadenylation specificity factor subunit 3-like	1				o	
cleavage and polyadenylation specificity factor subunit 6	1					o
cleavage stimulation 3 pre- subunit 64kda	1		o			
cleavage stimulation 3 pre- subunit 77kda	1					o
cleavage stimulation factor subunit 1-like	1					o
clip-associating protein 1	1					o
clip-associating protein 2	1					o
c-maf-inducing protein	1		o			
c-mpl binding	1			o		
cnp-n-acetylneuraminate-beta-galactosamide-alpha- -sialyltransferase 1-like	1				o	
c-myc binding protein	1		o			
c-myc promoter-binding protein irlb	1			o		
c-myc promoter-binding protein isoform 2	1					o
cndp dipeptidase 2 (metallopeptidase m20 family)	1		o			
cntn5 protein	1		o			
coagulation factor b polypeptide	1			o		
coagulation factor ii receptor	1		o			
coagulation factor ii receptor-like 1	1				o	
coagulation factor ii receptor-like 2	1		o			
coagulation factor v (labile factor)	1		o			
coagulation factor viii precursor	1		o			
coagulation factor vii-like	1				o	
coagulation factor xiii a chain precursor	1					o
coagulation factor xiii b chain	1			o		
coagulation factor xiii b chain-like	1		o			
coatomer protein subunit alpha	1			o		
coatomer protein subunit beta 1	1				o	
cobw domain containing protein	1		o			

cocaine- and amphetamine-regulated transcript	1				o
cocaine- and amphetamine-regulated transcript ch9	1			o	
co-chaperone protein mitochondrial precursor	1	o			
coenzyme q10 homolog a	1	o			
coenzyme q3 methyltransferase	1		o		
coenzyme q-binding protein coq10 homolog mitochondrial isoform 1	1		o		
Cofilin-2 [Anoplopoma fimbria]	1			o	
cog4 protein	1			o	
coiled-coil and c2 domain containing 2a	1	o			
coiled-coil domain containing 109a	1	o			
coiled-coil domain containing 112	1	o			
coiled-coil domain containing 117-like	1				o
coiled-coil domain containing 126	1	o			
coiled-coil domain containing 22	1	o			
coiled-coil domain containing 3	1	o			
coiled-coil domain containing 34	1	o			
coiled-coil domain containing 49	1		o		
coiled-coil domain containing 62	1	o			
coiled-coil domain containing 84	1	o			
coiled-coil domain containing 90b	1			o	
coiled-coil domain containing 96-like isoform 2	1		o		
coiled-coil domain-containing protein 109a-like	1	o			
coiled-coil domain-containing protein 134	1				o
coiled-coil domain-containing protein 134-like	1		o		
coiled-coil domain-containing protein 135-like	1				o
coiled-coil domain-containing protein 137-like	1			o	
coiled-coil domain-containing protein 25	1				o
coiled-coil domain-containing protein 30	1	o			
coiled-coil domain-containing protein 47	1			o	
coiled-coil domain-containing protein 55	1	o			
coiled-coil domain-containing protein 84-like	1	o			
coiled-coil domain-containing protein 9	1	o			
coiled-coil domain-containing protein 97	1	o			
coiled-coil domain-containing protein 97-like	1				o
coiled-coil-helix-coiled-coil-helix domain containing 4	1	o			
col4a1 protein	1	o			
collagen a3	1	o			
collagen family member (col-135)	1	o			
collagen prolyl 4-hydroxylase alpha iii subunit	1	o			
collagen triple helix repeat protein	1			o	
collagen triple helix repeat tail fiber protein from prophage	1			o	
collagen type iv alpha-3-binding protein	1		o		
collagen type vi alpha 4-like	1	o			
collagen type viii alpha 1	1	o			
collagen type xi alpha2	1			o	
collagen type xviii alpha 1	1	o			
collagenase 3	1		o		
collagenase 3-like	1			o	
collectin sub-family member 10	1		o		
collectin sub-family member 11	1		o		
colony stimulating factor 2 low-affinity (granulocyte-macrophage)	1			o	

colony-stimulating factor receptor 1a	1			0		
comm domain-containing protein 2	1	0				
comm domain-containing protein 4	1				0	
comm domain-containing protein 6-like	1					0
comm domain-containing protein 7	1		0			
complement 1 subcomponent q polypeptide beta	1		0			
complement 1 subcomponent q polypeptide gamma	1	0				
complement c1q subcomponent subunit a	1	0				
complement c1q-like adipose specific protein	1		0			
complement c1q-like protein 3-like	1				0	
complement c1r subcomponent precursor	1			0		
complement c1r subcomponent-like	1		0			
complement component 5	1			0		
complement component c8 alpha chain	1				0	
complement component c8 beta chain precursor	1				0	
complement component c8 gamma chain precursor	1				0	
complement component q a chain	1			0		
complement component q c chain	1			0		
complement component q subcomponent binding protein	1				0	
complement component q subcomponent-like 2	1	0				
complement component q subcomponent-like 4 like	1			0		
complement control-like protein	1				0	
complement receptor type 2	1					0
complement receptor-like complexin 2	1	0				0
component of oligomeric golgi complex isoform cra_d	1		0			
condensin complex subunit 2-like	1				0	
condensin-2 complex subunit g2	1		0			
cone cgmp-specific 3 -cyclic phosphodiesterase subunit alpha	1				0	
connexin	1	0				
conserved hypothetical protein [Staphylococcus aureus A8796]	1				0	
conserved hypothetical secreted protein	1	0				
conserved oligomeric golgi complex subunit 3	1			0		
conserved oligomeric golgi complex subunit partial	1		0			
conserved proline-rich protein	1				0	
conserved protein	1					0
constitutive coactivator of ppar-gamma-like protein 2-like	1					0
contactin associated protein 1	1					0
contactin-1a precursor	1				0	
contactin-associated 4-like	1				0	
copine family member isoform cra_c	1					0
copine ii	1					0
copine iv	1				0	
copine vii	1				0	
copine-4-like	1					0
copper transporting atpase 2	1		0			
copper-transporting atpase 2	1		0			
cops7a protein	1					0

core-binding beta subunit	1	o			
corin protein	1	o			
corin variant1	1	o			
cornichon homolog 4	1			o	
corticotropin releasing hormone binding protein	1				o
corticotropin-releasing factor-binding protein precursor	1				o
counting factor associated protein d-like	1				o
coup transcription factor 2	1			o	
cp059_bovin ame: full=uncharacterized protein c16orf59 homolog	1	o			
cpd photolyase-like	1			o	
cr032_anofi ame: full=upf0729 protein c18orf32 homolog	1			o	
cre-ama-1 protein	1			o	
creatine mitochondrial 1b	1				o
creatine muscle	1	o			
creb binding protein	1	o			
creb regulated transcription coactivator 1	1			o	
creb-regulated transcription coactivator 1	1				o
creb-regulated transcription coactivator 1-like	1			o	
cre-clec-180 protein	1	o			
cre-clp-4 protein	1			o	
crossover junction endonuclease eme1	1			o	
crumbs homolog 3 isoform cra_a	1		o		
cryptochrome dash	1			o	
est complex subunit ctc1	1		o		
est complex subunit stn1	1				o
ctd small phosphatase-like protein 2	1	o			
ctd small phosphatase-like protein 2-a-like	1				o
ctnna2 protein	1			o	
cttnbp2 n-terminal-like	1	o			
c-type lectin a	1			o	
c-type lectin domain family 10 member a-like isoform 2	1		o		
c-type lectin domain family 4 member f	1		o		
c-type lectin receptor	1	o			
c-type lectin superfamily member g	1			o	
c-type mbl-2 protein	1				o
cu zn superoxide dismutase	1			o	
cu++ alpha polypeptide	1	o			
cub and sushi domain-containing protein 1	1				o
cub and sushi domain-containing protein 3	1				o
cue domain containing 2	1	o			
cugbp elav-like family member 2 isoform 1	1				o
cugbp elav-like family member 2-like	1				o
cugbp elav-like family member 3	1			o	
cullin-2 isoform 1	1			o	
curculin domain protein (mannose-binding) lectin	1	o			
cutc copper transporter homolog	1	o			
cut-like 1	1			o	
cut-like homeobox 1	1			o	
cwf19-like protein 2	1	o			
cxc chemokine d1	1	o			
c-x-c chemokine receptor 4	1	o			
cxxc-type zinc finger protein 5	1			o	
cyc8_dicdi ame: full=general transcriptional corepressor trfa	1	o			

cyclic amp-dependent transcription factor atf-7	1	o			
cyclic amp-responsive element-binding protein 3-like protein 3-a	1		o		
cyclic nucleotide gated channel alpha 2	1			o	
-cyclic-nucleotide 3-phosphodiesterase	1	o			
cyclin b	1			o	
cyclin c	1				o
cyclin d1	1	o			
cyclin d2	1	o			
cyclin g2	1	o			
cyclin t2 isoform 1	1	o			
cyclin-dependent kinase 12	1				o
cyclin-dependent kinase 2-interacting protein	1		o		
cyclin-dependent kinase inhibitor 1c	1				o
cyclin-dependent kinase inhibitor 2d	1	o			
cyclin-dependent kinase-like 5	1				o
cyclin-related protein fam58a-like isoform 1	1				o
cyclin-t2 isoform 1	1			o	
cyclin-y-like protein 1-like	1			o	
cyclophilin 1	1				o
cyclophilin-rna interacting protein	1				o
cyclophilin-type peptidyl-prolyl cis-trans isomerase- bmcp-2	1			o	
cygb2_oryla ame: full=cytoglobin-2	1				o
cyp2d6-a-prov protein	1		o		
cystathionine beta-synthase-like	1			o	
cystathionine-beta-synthase	1			o	
cystatin f	1			o	
cysteine and glycine-rich protein 2	1			o	
cysteine and histidine-rich domain-containing protein 1	1	o			
cysteine protease atg4b-like isoform 1	1		o		
cysteine protease atg4c	1				o
cysteine type i	1		o		
cysteine-rich protein 2	1	o			
cysteine-rich with egf-like domains 1	1	o			
cystine glutamate transporter-like	1				o
cytadherence-associated protein	1				o
cytidine monophospho-n-acetylneuraminic acid synthetase	1	o			
cytochrome b ascorbate-dependent protein 3	1			o	
cytochrome b5 reductase 3	1	o			
cytochrome b5 reductase 4	1				o
cytochrome b5 type b	1			o	
cytochrome b-c1 complex subunit mitochondrial	1				o
cytochrome c oxidase assembly protein cox15 homolog	1	o			
cytochrome c oxidase assembly protein cox16 mitochondrial-like	1			o	
cytochrome c oxidase subunit 7a-related mitochondrial-like	1			o	
cytochrome c oxidase subunit viia polypeptide 2	1		o		
cytochrome c oxidase subunit viic	1			o	
cytochrome c-type heme lyase	1	o			
cytochrome family subfamily polypeptide 4	1		o		
cytochrome family subfamily polypeptide 65	1		o		

cytochrome family subfamily polypeptide isoform cra_a	1	o			
cytochrome p450 20a1	1	o			
cytochrome p450 2g1-like	1		o		
cytochrome p450 2j6-like	1			o	
cytochrome p450 3a80	1		o		
cytochrome p450 family 17 polypeptide 2	1		o		
cytochrome p450 monooxygenase	1		o		
cytochrome p450 monooxygenase cyp2j2	1				o
cytochrome p4501c1	1	o			
cytochrome partial	1				o
cytohesin 1 interacting protein	1	o			
cytohesin 2-like	1			o	
cytohesin-1	1	o			
cytokine receptor gamma chain	1				o
cytokine-like protein 1 precursor	1	o			
cytoplasmic actin	1		o		
cytoplasmic dynein 1 intermediate chain 2-like	1			o	
cytoplasmic dynein 1 light intermediate chain 2	1	o			
cytoplasmic dynein 2 light intermediate chain 1-like	1				o
cytoplasmic dynein intermediate chain 2 isoform	1				o
cytoplasmic fmr1-interacting protein 1-like	1				o
cytoplasmic linker associated protein 1	1				o
cytoplasmic phosphatidylinositol transfer protein 1	1				o
cytoplasmic trna 2-thiolation protein 1-like	1			o	
cytoskeletal associated protein	1	o			
cytoskeleton-associated protein 2-like	1			o	
cytosolic 5 -nucleotidase iii-like	1				o
cytosolic carboxypeptidase 1	1				o
cytosolic carboxypeptidase-like protein 5	1				o
cytosolic fe-s cluster assembly factor nubp1	1	o			
cytosolic phospholipase a2	1	o			
cytosolic phospholipase a2 zeta-like	1				o
cytosolic purine 5 -nucleotidase	1		o		
cytospin a	1	o			
d2hgdh protein	1	o			
d-2-hydroxyglutarate mitochondrial-like	1				o
dcn1-like protein 4-like	1	o			
dcp2 decapping enzyme homolog (cerevisiae)	1	o			
ddb1- and cul4-associated factor 12	1	o			
ddb1- and cul4-associated factor 15	1				o
d-dopachrome decarboxylase	1		o		
ddrgk domain-containing protein 1	1		o		
dead (asp-glu-ala-asp) box polypeptide 10	1		o		
dead (asp-glu-ala-asp) box polypeptide 20	1	o			
dead (asp-glu-ala-asp) box polypeptide 24	1	o			
dead (asp-glu-ala-asp) box polypeptide 3	1	o			
dead (asp-glu-ala-asp) box polypeptide 50	1		o		
dead (asp-glu-ala-asp) box polypeptide 52	1	o			
dead (asp-glu-ala-asp) box polypeptide 55	1			o	
dead eye	1	o			
deah (asp-glu-ala-asp his) box polypeptide 57	1		o		
deah (asp-glu-ala-his) box polypeptide 30	1	o			
deah (asp-glu-ala-his) box polypeptide 30-like	1				o
death effector domain- isoform cra_a	1		o		

death-associated protein	1	o			
death-associated protein kinase 3	1	o			
decorin precursor	1				o
dedicator of cytokinesis 1-like	1	o			
dedicator of cytokinesis 5	1	o			
dedicator of cytokinesis 7	1				o
dedicator of cytokinesis protein 10	1	o			
dedicator of cytokinesis protein 4	1			o	
dedicator of cytokinesis protein 4-like	1			o	
dedicator of cytokinesis protein 6	1		o		
defective in cullin neddylation domain containing 2 (cerevisiae)	1			o	
deformed epidermal autoregulatory factor 1 homolog	1	o			
dehydrogenase reductase (sdr family) x-linked	1			o	
dehydrogenase reductase sdr family member 11	1			o	
deleted in bladder cancer protein 1	1				o
deleted in malignant brain tumors 1 partial	1		o		
deleted in malignant brain tumors 1 protein	1	o			
deleted in malignant brain tumors 1-like	1			o	
delta()-delta()-dienoyl- mitochondrial-like	1				o
delta-9-desaturase 2	1		o		
delta-aminolevulinic acid dehydratase	1	o			
delta-like 1	1			o	
delta-like 1-like protein	1				o
delta-like protein 1	1				o
delta-like protein c precursor	1			o	
delta-sarcoglycan	1	o			
deltex 4 homolog	1				o
deltex homolog 2	1				o
denn domain-containing protein 5a	1				o
denn madd domain containing 1b	1			o	
denn madd domain containing 4a	1			o	
dentin matrix protein 4	1				o
dentin matrix protein 4-like	1			o	
deoxycytidine kinase	1				o
deoxycytidylate deaminase	1	o			
deoxycytidylate deaminase isoform 2	1	o			
deoxyguanosine mitochondrial	1	o			
deoxynucleotidyltransferase terminal-interacting protein 1	1	o			
deoxynucleotidyltransferase terminal-interacting protein 2-like	1				o
deoxyribonuclease i-like 1	1	o			
deoxyribonuclease i-like 3	1	o			
deoxyribonuclease tatdn2	1				o
dep domain-containing protein 7	1	o			
dephospho- kinase domain-containing	1				o
dermatan 4 sulfotransferase 1	1	o			
dermatopontin	1	o			
desmoglein 2	1		o		
desmoglein 4	1	o			
desmoplakin	1	o			
desmoplakin a	1	o			
deubiquitinating protein vcip135	1				o
developmentally regulated rna-binding protein 1	1	o			
developmentally-regulated gtp-binding protein 2	1		o		

dexamethasone-induced ras-related protein 1-like	1				0
dexamethasone-induced transcript	1	0			
dexh (asp-glu-x-his) box polypeptide 58	1		0		
dgkb protein	1			0	
d-glucuronyl c5-epimerase	1			0	
diacylglycerol acyltransferase	1	0			
diacylglycerol beta 90kda	1			0	
diacylglycerol eta-like	1			0	
diacylglycerol kinase alpha	1		0		
diacylglycerol kinase zeta	1			0	
dickkopf-related protein 3 precursor	1				0
diencephalon mesencephalon homeobox protein 1-b-like isoform 1	1			0	
differentiation regulator	1	0			
dihydrodipicolinate synthase- mitochondrial precursor	1		0		
dihydrolipoamide s-acetyltransferase-like	1		0		
dihydrolipoamide s-succinyltransferase (e2 component of 2-oxo-glutarate complex) isoform cra_a	1				0
dihydropteridine reductase	1	0			
dihydropyrimidinase	1		0		
dihydropyrimidinase-like 2	1			0	
dihydrouridine synthase 4-like	1	0			
dihydroxyacetone phosphate acyltransferase	1		0		
dimethylarginine dimethylaminohydrolase 1	1	0			
dimethylarginine dimethylaminohydrolase 2	1	0			
dimethylglycine mitochondrial-like	1		0		
di-n-acetyl-	1			0	
dip2 disco-interacting protein 2 homolog b	1			0	
dipeptidyl aminopeptidase-like protein 6	1			0	
dipeptidyl aminopeptidase-like protein 6-like	1			0	
dipeptidyl peptidase 4	1	0			
dipeptidyl peptidase 9	1		0		
dipeptidyl-peptidase 7	1		0		
diphthamide biosynthesis	1	0			
diphthamide biosynthesis protein 1	1				0
diphthamide biosynthesis protein 1-like	1	0			
dis3 mitotic control homolog (cerevisiae)	1		0		
dis3-like exonuclease 2	1	0			
disabled homolog 2	1	0			
disco-interacting protein 2 homolog b-a-like	1			0	
dishevelled 3	1		0		
disintegrin and metalloproteinase domain-containing protein 10	1				0
disks large homolog 5	1			0	
disks large-associated protein 1	1			0	
disks large-associated protein 2-like	1			0	
disrupted in renal carcinoma 2	1		0		
distal-less homeobox 6	1			0	
disulfide-isomerase precursor	1		0		
dix domain containing 1	1			0	
dlgh4 protein	1			0	
dna (cytosine-5)-methyltransferase 1	1		0		
dna chr erato doi isoform cra_b	1				0
dna chr wayne state university expressed	1		0		
dna cross-link repair 1b (pso2 cerevisiae)	1				0
dna cross-link repair 1b protein	1	0			
dna damage-binding protein 2	1		0		

dna damage-binding protein 2-like	1			0	
dna excision repair protein ercc-1	1	0			
dna methyltransferase	1		0		
dna methyltransferase 1 associated protein 1	1	0			
dna methyltransferase 3a	1	0			
dna methyltransferase 3b	1		0		
dna mismatch repair protein mlh3	1	0			
dna mismatch repair protein msh3	1			0	
dna polymerase alpha gram-positive type	1		0		
dna polymerase eta	1			0	
dna polymerase iii alpha subunit	1	0			
dna polymerase iii polc-type-like	1				0
dna polymerase kappa	1	0			
dna polymerase zeta catalytic subunit	1	0			
dna primase large subunit	1	0			
dna primase small subunit	1			0	
dna repair protein rad51 homolog 2	1			0	
dna repair protein rev1-like	1	0			
dna replication complex gins protein psf1	1		0		
dna replication complex gins protein psf2-like	1			0	
dna replication complex gins protein sld5	1	0			
dna topoisomerase 1-like	1			0	
dna topoisomerase 2-alpha	1		0		
dna topoisomerase 2-beta	1			0	
dna topoisomerase 2-binding protein 1	1	0			
dna topoisomerase 3-beta-1	1				0
dna-binding death effector domain-containing protein 2	1	0			
dna-binding protein inhibitor id-4-like	1				0
dna-binding protein smubp-2	1			0	
dna-dependent dna polymerase	1				0
dna-dependent protein kinase catalytic subunit isoform 2	1	0			
dna-directed rna polymerase i subunit rpa1	1	0			
dna-directed rna polymerase i subunit rpa1-like	1	0			
dna-directed rna polymerase ii subunit rpb4	1		0		
dna-directed rna polymerase iii subunit rpc1	1			0	
dna-directed rna polymerase iii subunit rpc2	1			0	
dna-directed rna polymerase iii subunit rpc3	1			0	
dna-directed rna polymerase iii subunit rpc4-like	1				0
dna-directed rna polymerase iii subunit rpc8-like	1			0	
dna-directed rna polymerases and iii subunit rpabc3-like	1			0	
dna-directed rna polymerases and iii subunit rpabc5	1			0	
dna-directed rna polymerases n 8 kda subunit superfamily	1	0			
dnaj homolog subfamily a member 1-like	1			0	
dnaj homolog subfamily a member 4-like	1			0	
dnaj homolog subfamily b member 14	1		0		
dnaj homolog subfamily b member 4	1				0
dnaj homolog subfamily b member 9-like	1			0	
dnaj homolog subfamily c member 17	1	0			
dnaj homolog subfamily c member 22	1		0		
dnaj homolog subfamily c member 25	1	0			
dnaj homolog subfamily c member 25-like	1		0		
dnaj homolog subfamily c member 30	1	0			

dnaj homolog subfamily c member 30-like	1				0
dnaj homolog subfamily c member 4	1		0		
dnaj homolog subfamily c member 7	1				0
dnajc13 protein	1				0
dock8 protein	1		0		
dohh_drops ame: full=deoxyhypusine hydroxylase short=dohh ame: full=deoxyhypusine dioxygenase ame: full=deoxyhypusine monooxygenase	1	0			
dolichyl pyrophosphate phosphatase 1	1	0			
dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	1		0		
dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit dad1	1				0
dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit stt3b-like	1			0	
dolichyl-phosphate beta-glucosyltransferase	1		0		
dolichyl-phosphate beta-glucosyltransferase isoform 1	1	0			
domain and heat repeat-containing protein kiaa1468 homolog	1		0		
domain member 1b	1				0
dopamine receptor d2	1			0	
dopamine receptor d5	1			0	
dopey1 protein	1		0		
dorsal root ganglia homeobox	1	0			
dot1- histone h3 methyltransferase (cerevisiae) isoform cra_b	1			0	
doublecortin	1				0
doublecortin domain containing 2	1	0			
doublecortin kinase-2	1			0	
doublecortin-like kinase 2	1		0		
double-stranded rna activated protein kinase 1	1		0		
double-stranded rna-dependent protein kinase	1		0		
down syndrome cell adhesion molecule-like protein 1-like	1			0	
down syndrome critical region gene 1-like 1	1			0	
down syndrome critical region gene 1-like 2	1			0	
down syndrome critical region protein 3-like downstream of isoform cra_a	1		0		
dph3 homolog	1	0			
dpy-19-like 1 (elegans)	1	0			
drebrin-like isoform 2	1				0
drtp1 [Larimichthys crocea]	1		0		
dsrna-activated protein kinase r	1		0		
dtw domain containing 2	1		0		
dual specificity phosphatase 10	1	0			
dual specificity phosphatase 14	1			0	
dual specificity phosphatase 22	1	0			
dual specificity phosphatase 4	1			0	
dual specificity phosphatase 6	1	0			
dual specificity phosphatase 7	1	0			
dual specificity phosphatase dupd1	1	0			
dual specificity protein kinase clk2	1				0
dual specificity protein phosphatase 26-like	1	0			
dual specificity protein phosphatase 8	1			0	
dual specificity protein phosphatase cdc14b	1			0	
dual specificity tyrosine-phosphorylation- regulated kinase 1a	1			0	

dual specificity tyrosine-phosphorylation-regulated kinase 1a-like	1	o			
dual-specificity tyrosine- -phosphorylation regulated kinase 3	1	o			
duf307 family protein	1	o			
dullard homolog (xenopus laevis)	1		o		
dupd1 protein	1	o			
dusty protein kinase	1			o	
dynactin 1a	1	o			
dynactin 4	1	o			
dynamamin 2 isoform 2 isoform 16	1				o
dynamamin 3	1	o			
dynamamin binding protein	1		o		
dynamamin isoform cra_b	1		o		
dynamamin-1-like protein	1	o			
dynein cytoplasmic 2 heavy chain 1	1				o
dynein heavy	1			o	
dynein heavy chain axonemal	1				o
dynein light chain cytoplasmic-like	1			o	
dynein light chain tctex-type 1	1				o
dysbindin (dystrobrevin binding protein 1)	1	o			
domain containing 1	1				
dysbindin domain-containing protein 1-like	1				o
dysferlin interacting protein 1	1	o			
dystonin isoform 1	1				o
dystrobrevin alpha	1	o			
dystrobrevin beta	1				o
dystrobrevin beta- partial	1		o		
dystrophin	1				o
dzip1 protein	1	o			
e1a binding protein isoform cra_b	1				o
e1a binding protein p400	1				o
e1a-binding protein p400-like	1			o	
e2-induced gene 5 protein homolog	1			o	
e3 sumo-protein ligase 2-like	1	o			
e3 sumo-protein ligase pias2	1	o			
e3 ubiquitin-protein ligase dtx31	1				o
e3 ubiquitin-protein ligase dtx31-like	1			o	
e3 ubiquitin-protein ligase hectd1	1				o
e3 ubiquitin-protein ligase herc2-like	1				o
e3 ubiquitin-protein ligase listerin-like	1				o
e3 ubiquitin-protein ligase march4-like	1				o
e3 ubiquitin-protein ligase march9-like	1			o	
e3 ubiquitin-protein ligase mdm2	1			o	
e3 ubiquitin-protein ligase mgrn1	1				o
e3 ubiquitin-protein ligase nedd4-like	1				o
e3 ubiquitin-protein ligase neur11b-like	1	o			
e3 ubiquitin-protein ligase pdzrn3 isoform 1	1				o
e3 ubiquitin-protein ligase rnf167-like	1				o
e3 ubiquitin-protein ligase rnf19a	1			o	
e3 ubiquitin-protein ligase rnf19b	1				o
e3 ubiquitin-protein ligase rnf8	1				o
e3 ubiquitin-protein ligase trim33 isoform 2	1			o	
e3 ubiquitin-protein ligase trim33-like	1				o
e3 ubiquitin-protein ligase trim33-like isoform 2	1	o			
e3 ubiquitin-protein ligase ubr3	1				o
e3 ubiquitin-protein ligase ubr4	1		o		
e3 ubiquitin-protein ligase uhrf2	1				o
e4 binding protein 4-6	1				o

e74-like factor 1 (ets domain transcription factor)	1	o		
e74-like factor 2 (ets domain transcription factor)	1		o	
ea85_lambd ame: full=protein	1			o
early estrogen-induced gene 1 protein	1	o		
early growth response 1-like	1			o
early growth response protein 1	1		o	
ebf3 partial	1	o		
ecdysoneless homolog	1		o	
echinoderm microtubule associated protein like 1	1	o		
echinoderm microtubule associated protein like 2	1		o	
echinoderm microtubule associated protein like 3	1	o		
echinoderm microtubule associated protein like 5	1	o		
echinoderm microtubule-associated 6-like	1		o	
ecotropic viral integration site 5	1		o	
ecotropic viral integration site 5-like	1		o	
ecto-nox disulfide-thiol exchanger 2	1	o		
ectonucleoside triphosphate diphosphohydrolase 3	1	o		
ectonucleoside triphosphate diphosphohydrolase 5-like	1		o	
ectonucleotide pyrophosphatase phosphodiesterase 6	1	o		
ectonucleotide pyrophosphatase phosphodiesterase family member 2	1		o	
ectonucleotide pyrophosphatase phosphodiesterase family member 7-like	1		o	
edem3 protein	1		o	
eef1a2 binding protein	1	o		
ef-hand 1	1			o
ef-hand domain-containing family member a1-like	1		o	
eg214403 protein	1		o	
egf lag seven-pass g-type receptor 3	1			o
egf-containing fibulin-like extracellular matrix protein 2	1	o		
egf-containing fibulin-like extracellular matrix protein isoform cra_a	1	o		
egf-like domain-containing protein 7 precursor	1	o		
egf-like- multiple 6	1	o		
egf-like- multiple 7	1	o		
egf-like repeats and discoidin i-like domains 3	1			o
egg envelope component zpc	1		o	
egg envelope glycoprotein	1		o	
eggshell protein	1		o	
eh domain binding protein 1 -like	1	o		
eh domain binding protein isoform 2	1			o
eh domain-binding protein 1-like isoform 3	1		o	
eh-domain containing 1	1		o	
eh-domain containing 3	1	o		
eh-domain containing 4	1		o	
eif4ba protein	1	o		
eif4g1 protein	1		o	
eif5 protein	1			o
elastin microfibril interfacier 1	1		o	

elastin microfibril interfacier 1b	1		o			
elastin microfibril interfacier 3a	1	o				
elav (embryonic abnormal drosophila)-like 2 (hu antigen b)	1				o	
elav (embryonic abnormal drosophila)-like 4 (hu antigen d)	1				o	
elav-like protein 4	1					o
elfa-a-prov protein	1	o				
elks rab6-interacting cast family member 1 isoform 1	1	o				
elks rab6-interacting cast family member 1-like	1		o			
elmo domain containing 2	1				o	
elongation factor mitochondrial precursor	1		o			
elongation of very long chain fatty acids (fen1 sur4 yeast)-like 4	1				o	
elongation of very long chain fatty acids protein 1-like	1			o		
elongation of very long chain fatty acids protein 7-like	1			o		
elongator complex protein 3	1					o
embigin [Danio rerio]	1					o
embigin precursor	1			o		
embryonic ectoderm development	1	o				
emopamil binding	1		o			
emopamil binding protein (sterol isomerase)	1			o		
endonuclease domain-containing 1 protein precursor	1			o		
endonuclease viii-like 1	1			o		
endoplasmic reticulum lectin 1 isoform 1	1	o				
endoplasmic reticulum lectin 1-like	1			o		
endoplasmic reticulum metallopeptidase 1	1	o				
endoplasmic reticulum resident protein 27-like	1		o			
endoplasmic reticulum to nucleus signalling 1	1	o				
endoplasmic reticulum-golgi intermediate compartment protein 2-like	1			o		
endothelial cell-specific molecule 1	1					o
endothelin converting enzyme 1	1		o			
endothelin converting enzyme 2	1	o				
endothelin-converting enzyme 1-like	1			o		
endothelin-converting enzyme 2	1				o	
endothelin-converting enzyme-like 1-like	1					o
engulfment adaptor ptb domain containing 1	1				o	
engulfment and cell motility 2	1					o
engulfment and cell motility 3	1		o			
engulfment and cell motility protein 2	1				o	
engulfment and cell motility protein 2-like	1			o		
engulfment and cell motility protein 3-like	1		o			
enhancer of polycomb homolog 1	1		o			
enhancer of zeste homolog 1	1	o				
enolase a	1					o
enolase-phosphatase e1-like	1			o		
enoyl- delta isomerase mitochondrial-like	1					o
enoyl- hydratase	1			o		
enoyl- hydratase domain-containing protein mitochondrial	1		o			
enoyl- hydratase domain-containing protein mitochondrial-like	1					o
enoyl- hydratase isomerase	1			o		

enoyl-coenzyme hydratase 3-hydroxyacyl	1	0			
coenzyme a dehydrogenase					
enterin neuropeptide	1			0	
envelope protein	1		0		
envoplakin	1				0
enzymatic polyprotein endonuclease reverse	1	0			
eomesodermin homolog	1		0		
eph receptor a2	1	0			
eph receptor a7	1	0			
eph receptor b1	1	0			
eph receptor b4a	1		0		
ephrin type-a receptor 3	1	0			
ephrin type-b receptor 3	1			0	
ephrin type-b receptor 4-like	1			0	
ephrin-b2	1				0
epidermal growth factor receptor pathway	1				0
substrate 8					
epidermal growth factor receptor substrate 15-	1			0	
like 1-like					
epimerase family protein sdr39u1	1		0		
epiplakin 1	1				0
epiplakin-like protein	1	0			
epithelial protein lost in neoplasm beta	1		0		
epithelial splicing regulatory protein 2	1		0		
epoxide hydrolase 2	1			0	
epoxide hydrolase cytoplasmic	1			0	
eps812 protein	1				0
eps8-like 3	1		0		
epsilon	1	0			
epsilon-sarcoglycan precursor	1				0
epsin 1	1			0	
equilibrative nucleoside transporter 2	1			0	
er degradation mannosidase alpha-like 1	1			0	
er degradation mannosidase alpha-like 3	1				0
er degradation-enhancing alpha-mannosidase-	1		0		
like 1					
er lumen protein retaining receptor 3	1	0			
erbb receptor feedback inhibitor 1	1			0	
erbb2ip protein	1	0			
erc protein 2-like	1				0
erm-like protein	1			0	
erythrocyte membrane protein band	1				0
erythrocyte membrane protein band	1		0		
(elliptocytosis rh-linked)					
erythrocyte membrane protein band -like 1	1				0
erythrocyte membrane protein band like 5	1		0		
erythrocyte protein band	1				0
erythrocyte protein band -like 1	1				0
erythrocyte protein band -like 3	1			0	
erythrocyte protein band -like 3-like	1	0			
e-selectin	1	0			
esf1 homolog	1		0		
esophageal cancer related gene 4 protein	1	0			
esterase lipase thioesterase family protein	1		0		
estrogen receptor beta	1	0			
estrogen receptor beta 2	1			0	
ethanolamine-phosphate cytidyltransferase	1			0	
ets domain-containing protein	1	0			
ets variant 6	1	0			
ets2 repressor factor	1				0

eukaryotic initiation factor 4a	1	o			
eukaryotic translation elongation factor 1 alpha 1	1				o
eukaryotic translation elongation factor 1 beta 2	1		o		
eukaryotic translation initiation factor 2 gamma subunit	1			o	
eukaryotic translation initiation factor 2 subunit 1	1		o		
eukaryotic translation initiation factor 3 subunit 7	1				o
eukaryotic translation initiation factor 3 subunit a-like	1			o	
eukaryotic translation initiation factor 3 subunit f-like	1				o
eukaryotic translation initiation factor 4 gamma 1 isoform 6	1	o			
eukaryotic translation initiation factor 4 gamma 3	1				o
eukaryotic translation initiation factor 4 isoform cra_c	1	o			
eukaryotic translation initiation factor 4e family member 2	1	o			
eukaryotic translation initiation factor 4e-binding protein 3	1		o		
eukaryotic translation initiation factor 4h	1		o		
eukaryotic translation initiation factor subunit 2 38kda	1		o		
eukaryotic translation initiation factor subunit 2 39kda	1	o			
eukaryotic translation initiation factor subunit 4 delta	1			o	
eukaryotic translation initiation factor subunit 6 interacting protein	1		o		
eukaryotic translation initiation factor subunit 7 66 67kda	1			o	
eukaryotic translation initiation factor subunit a	1	o			
eukaryotic translation initiation factor subunit d	1			o	
eukaryotic translation initiation factor subunit e	1	o			
ewing sarcoma breakpoint region 1	1				o
ewsr1a protein	1	o			
excision repair cross-complementing rodent repair complementation group 5	1	o			
excitatory amino acid transporter 3	1				o
excitatory amino acid transporter 4	1			o	
exocyst complex component 1	1			o	
exocyst complex component 1 isoform 2	1				o
exocyst complex component 6	1			o	
exodeoxyribonuclease iii family protein	1			o	
exonuclease 3 -5 domain-containing protein 1-like	1			o	
exonuclease 3 -5 domain-containing protein 2	1		o		
exosomal core protein cs14	1			o	
exosome complex exonuclease rrp40	1	o			
exosome component 4	1			o	
exosome component 9	1		o		
exostoses 1c	1				o

exostoses -like 3	1	o			
exostosin 2	1	o			
exportin 7	1			o	
extended synaptotagmin-like protein 1a	1				o
extracellular calcium-sensing receptor-like	1		o		
extracellular leucine-rich repeat and fibronectin type-iii domain-containing protein 1-like	1			o	
extracellular matrix protein female organ and adipocyte specific	1	o			
eyes absent 4	1	o			
eyes absent homolog 3	1	o			
eyes absent homolog 4	1	o			
ezrin	1		o		
ezrin like	1		o		
ezrin-like isoform 2	1		o		
f11 receptor	1		o		
f110b_danre ame: full=protein fam110b	1			o	
f1712_xenla ame: full=protein fam171a2 flags: precursor	1				o
fa83h_danre ame: full=protein fam83h	1	o			
fact complex subunit spt16	1	o			
f-actin-capping protein subunit beta	1	o			
factor b c2b	1		o		
fad binding domain protein	1	o			
fad dependent oxidoreductase	1	o			
fad synthase	1				o
fad1 flavin adenine dinucleotide synthetase homolog (cerevisiae)	1		o		
fad-dependent oxidoreductase domain-containing protein 1-like	1			o	
fad-linked sulfhydryl oxidase alr	1	o			
fam107b protein	1	o			
fam179b protein	1			o	
fam21c protein	1	o			
fam83d protein	1	o			
fam83h protein	1	o			
family member 5	1				o
family protein	1	o			
family with sequence similarity 122a	1	o			
family with sequence similarity 19 (chemokine (c-c motif)-like) member a2	1			o	
family with sequence similarity 19 (chemokine (c-c motif)-like) member a3	1			o	
family with sequence similarity member a2	1		o		
family with sequence similarity member e	1	o			
family with sequence similarity member h	1		o		
fanconi complementation group d2	1	o			
fanconi complementation group e	1		o		
far upstream element-binding protein 2-like	1				o
far upstream element-binding protein 3	1	o			
farnesyl diphosphate synthase	1	o			
fas -associated via death domain	1		o		
fas-activated serine threonine kinase	1		o		
fasciculation and elongation protein zeta 2 (zygin ii)	1			o	
fascin	1	o			
fascin homolog actin-bundling protein (strongylocentrotus purpuratus)	1	o			
fast kinase domain-containing protein 1	1			o	

fast kinase domain-containing protein 3-like	1			o		
fast kinase domains 5	1				o	
fast myosin heavy chain hcii	1	o				
fast myotomal muscle tropomyosin	1			o		
fast myotomal muscle troponin-t-2	1	o				
fat- partial	1	o				
fat storage-inducing transmembrane protein 2	1	o				
fat tumor suppressor 2-like	1					o
fatty acid amide hydrolase 2	1		o			
fatty acid binding protein h6-isoform	1			o		
fatty acid delta-6 desaturase	1				o	
fatty oxidation complex alpha subunit	1	o				
f-box and leucine-rich repeat protein 18	1					o
f-box and leucine-rich repeat protein 22	1	o				
f-box lrr-repeat protein 14-like	1			o		
f-box lrr-repeat protein 18	1					o
f-box lrr-repeat protein 20	1				o	
f-box lrr-repeat protein 20-like	1	o				
f-box only protein 11-like	1				o	
f-box only protein 18	1	o				
f-box only protein 22	1		o			
f-box only protein 25	1	o				
f-box only protein 2-like	1					o
f-box only protein 32	1	o				
f-box only protein 39-like	1	o				
f-box only protein 43	1			o		
f-box only protein 47	1			o		
f-box only protein 9	1			o		
f-box protein 11	1	o				
f-box protein 21	1	o				
f-box protein 40	1	o				
f-box protein 41	1				o	
f-box protein 42	1		o			
f-box protein 44	1		o			
f-box spry domain-containing protein 1	1					o
f-box wd repeat-containing protein 12-like	1		o			
f-box wd repeat-containing protein 9-like	1			o		
fbp32 precursor	1					o
fc fragment of binding protein	1			o		
fc receptor-like 2-like	1	o				
fc receptor-like 3	1	o				
fc receptor-like 5	1	o				
fc receptor-like protein 5-like	1		o			
fcgbp protein	1			o		
fch domain only protein 2	1	o				
fdps protein	1	o				
feline leukemia virus subgroup c cellular receptor member 2	1			o		
feline leukemia virus subgroup c receptor-related protein 2	1		o			
fem-1 homolog a (elegans)	1	o				
fer113 protein	1	o				
fer-1-like myoferlin (elegans)	1	o				
ferm and pdz domain containing 4	1	o				
ferm and pdz domain-containing protein 3-like	1					o
ferm and pdz domain-containing protein 4-like	1			o		
fermitin family homolog 3	1	o				

ferredoxin-fold anticodon-binding domain-containing protein 1-like	1			o	
ferritin heavy chain	1				o
fetuin-b-like	1			o	
fggy carbohydrate kinase domain containing	1		o		
fibrinogen-like protein 1-like	1	o			
fibrinolytic enzyme	1	o			
fibroblast growth factor 1	1	o			
fibroblast growth factor 16	1	o			
fibroblast growth factor 19	1		o		
fibroblast growth factor 6	1	o			
fibroblast growth factor binding protein 1	1			o	
fibroblast growth factor-binding protein 2 precursor	1			o	
fibronectin	1			o	
fibronectin isoform cra_d	1		o		
fibronectin leucine rich transmembrane protein 2	1				o
fibronectin type iii and s pry domain-containing protein 2-like	1			o	
fibronectin type iii domain containing 3a	1		o		
fibronectin type iii domain containing 4	1				o
fibronectin type iii domain protein	1	o			
fibronectin type-iii domain-containing protein c4orf31 homolog precursor	1				o
fibronectin type-iii domain-containing protein c4orf31-like	1			o	
fibulin 1	1			o	
fibulin 5-like	1	o			
fidgetin	1			o	
filamin gamma	1	o			
filamin-c-like isoform 4	1	o			
fizzy cell division cycle 20 related 1	1		o		
fk506 binding	1	o			
fk506 binding protein 38kda	1		o		
fk506 binding protein 63 kda	1	o			
fk506 binding protein 7	1	o			
fk506 binding protein 8	1		o		
fk506 binding protein like	1			o	
fKIAA0680 [Takifugu rubripes]	1	o			
flap endonuclease gen homolog 1-like	1			o	
flap structure-specific endonuclease 1	1	o			
flavin-containing monooxygenase fmo1	1			o	
flavoprotein oxidoreductase-like	1	o			
flj25076 protein	1			o	
flj46154 protein	1				o
flnc protein	1	o			
fmdl1 protein	1	o			
fms-like tyrosine kinase 4	1		o		
fms-related tyrosine kinase 1 (vascular endothelial growth factor vascular permeability factor receptor)	1	o			
fms-related tyrosine kinase 3	1	o			
folate hydrolase	1	o			
follistatin-like 5 isoform 1	1			o	
follistatin-like 5 isoform 2	1			o	
follistatin-related protein 5 isoform 2	1			o	
folylpolyglutamate mitochondrial	1	o			
forkhead box d2	1			o	
forkhead box fl	1	o			

forkhead box h1	1			o	
forkhead box j1b	1			o	
forkhead box o5	1	o			
forkhead box p1	1	o			
forkhead box p4	1	o			
forkhead box protein j2	1	o			
forkhead box protein j2-like	1				o
forkhead box protein k1-like	1				o
forkhead box protein p1-b	1				o
formation of mitochondrial complexes 1 homolog	1		o		
formiminotransferase cyclodeaminase-like	1		o		
formin homology 2 domain containing 3	1	o			
formin-like 1	1	o			
formin-like 2	1	o			
formin-like protein 2-like	1	o			
forty-two-three domain containing 1	1	o			
four jointed box 1	1				o
four-jointed box protein 1-like	1				o
fox-1 homolog c-like	1		o		
fra10ac1 protein	1	o			
fragile x mental autosomal homolog 2	1	o			
fragile x mental retardation syndrome-related protein 1	1	o			
fras1-related extracellular matrix protein 3	1	o			
friend leukemia integration 1	1	o			
frizzled homolog 2	1	o			
frizzled homolog 6	1	o			
frizzled homolog 8	1				o
fructosamine 3 kinase related protein	1	o			
fructosamine-3-kinase-related protein	1			o	
fructose- -bisphosphatase 2	1	o			
fructose-bisphosphate aldolase a	1	o			
fumarylacetoacetase	1		o		
fun14 domain-containing protein 1-like	1				o
fungal transcriptional regulatory n-terminal domain-containing protein	1				o
furin endoprotease	1			o	
furin precursor	1			o	
fus interacting protein (serine arginine-rich) 1	1		o		
fuse-binding protein-interacting repressor	1	o			
fxyd domain containing ion transport regulator 5a-like	1	o			
fxyd domain containing ion transport regulator 6	1				o
fxyd domain containing ion transport regulator 7	1	o			
fxyd domain-containing ion transport regulator 6	1				o
fxyd domain-containing ion transport regulator 7	1				o
fyve and coiled-coil domain containing 1	1	o			
g alpha s olf-2 protein	1				o
g patch domain-containing protein 4	1	o			
g protein alpha subunit	1			o	
g protein-activated inward rectifier potassium channel 2	1				o
g protein-coupled family group member b	1				o
g protein-coupled family group member c	1			o	
g protein-coupled receptor 1	1	o			

g protein-coupled receptor 107	1	o					
g protein-coupled receptor 109a	1	o					
g protein-coupled receptor 151	1				o		
g protein-coupled receptor 175	1		o				
g protein-coupled receptor 31	1						o
g protein-coupled receptor 37 like 1	1					o	
g protein-coupled receptor 6	1					o	
g protein-coupled receptor 75	1				o		
g protein-coupled receptor kinase 4	1	o					
g t mismatch-specific thymine dna glycosylase	1	o					
g2 m phase-specific e3 ubiquitin-protein ligase-like	1				o		
g2 mitotic-specific cyclin-b2-like	1				o		
g2 m-phase specific e3 ubiquitin ligase	1		o				
ga binding protein transcription alpha subunit 60kda	1	o					
gabaa receptor gamma 3 subunit	1					o	
gag protein	1				o		
galactokinase 1	1		o				
galactokinase 2	1						o
galactosylgalactosylxylosylprotein 3-beta- glucuronosyltransferase 2	1						o
galectin 8	1						o
galectin-3	1	o					
galectin-8	1		o				
gametogenetin-binding protein 2-like	1				o		
gamma 3	1						o
gamma complex associated protein 2	1	o					
gamma complex associated protein 4	1						o
gamma fibrinogen	1		o				
gamma-aminobutyric acid (gaba-a) subunit alpha 3	1						o
gamma-aminobutyric acid (gaba-a) subunit beta 2	1						o
gamma-aminobutyric acid a alpha 1	1				o		
gamma-aminobutyric acid a alpha 4	1					o	
gamma-aminobutyric acid a alpha 6	1						o
gamma-aminobutyric acid a beta 1	1					o	
gamma-aminobutyric acid a gamma 2	1					o	
gamma-aminobutyric acid a pi	1					o	
gamma-aminobutyric acid receptor subunit alpha-6	1						o
gamma-aminobutyric acid receptor subunit delta precursor (gaba receptor subunit delta)	1				o		
gamma-aminobutyric acid receptor subunit gamma-2 precursor	1						o
gamma-crystallin m1-1	1	o					
gamma-glutamyl hydrolase precursor	1	o					
gamma-glutamylcyclotransferase precursor	1						o
gamma-glutamyltransferase ywrd-like	1		o				
gamma-sarcoglycan	1	o					
gamma-tubulin complex component 5	1				o		
ganglioside-induced differentiation-associated protein 2	1						o
gap junction alpha 46kda	1	o					
gap junction delta-2	1					o	
gap junction protein beta 2	1	o					
garnl1 protein	1	o					
gastric intrinsic factor-like	1				o		

gastrulation brain homeobox 1	1	o						
gata-binding factor 2	1	o						
gcat protein	1			o				
gc-rich sequence dna-binding factor	1		o					
gc-rich sequence dna-binding factor homolog	1	o						
gdnf family receptor alpha-4-like	1					o		
gdnf receptor alpha	1					o		
gdp dissociation inhibitor 1	1		o					
gdp-l-fucose synthetase	1					o		
gdp-mannose dehydratase	1				o			
gem-associated protein 5	1							o
general transcription factor 3c polypeptide 4	1				o			
general transcription factor iib	1	o						
general transcription factor iie subunit 1	1				o			
general transcription factor iih subunit 1	1	o						
general transcription factor polypeptide 34kda	1	o						
general transcription factor polypeptide 52kda	1							o
general transcription factor polypeptide alpha 56kda	1	o						
general vesicular transport factor p115	1		o					
genetic suppressor element 1-like	1					o		
gephyrin1 isoform	1					o		
geranylgeranyl diphosphate synthase 1	1			o				
germinal histone h4 gene	1			o				
GF10854 [Drosophila ananassae]	1						o	
gfm2 protein	1		o					
GG24640 [Drosophila erecta]	1				o			
ghmp kinases atp-binding expressed	1		o					
ghrh pacap precursor	1						o	
GI14934 [Drosophila mojavensis]	1	o						
GI15861 [Drosophila mojavensis]	1							o
gipc pdz domain containing member 1	1	o						
GL13991 [Drosophila persimilis]	1					o		
glia maturation gamma	1	o						
glioma tumor suppressor candidate region gene 1	1					o		
glis family zinc finger 2	1	o						
globoside alpha- -n- acetylgalactosaminyltransferase 1	1			o				
glomulin	1				o			
glomulin isoform 1	1				o			
glucagon receptor precursor	1		o					
glucan (-alpha-) branching enzyme 1	1			o				
glucocorticoid modulatory element binding protein 1	1					o		
glucocorticoid receptor dna binding factor 1	1	o						
glucosamine-6-phosphate isomerase 2	1	o						
glucosamine--fructose-6-phosphate aminotransferase	1		o					
glucose phosphate isomerase a	1							o
glucose-6- 2	1		o					
glucose-6-phosphatase 3	1			o				
glucose-6-phosphate 1-dehydrogenase	1		o					
glucose-6-phosphate dehydrogenase	1					o		
glucoside xylosyltransferase 1	1	o						
glucosylceramidase precursor	1		o					
glutamate decarboxylase 1	1					o		
glutamate decarboxylase 2	1						o	

glutamate delta 2	1				0		
glutamate ionotropic kainate 2-like isoform 2	1				0		
glutamate kainate 2	1				0		
glutamate metabotropic 4	1	0					
glutamate metabotropic 7	1	0					
glutamate metabotropic 7-like	1					0	
glutamate metabotropic 8 precursor	1				0		
glutamate n-methyl d-aspartate-associated protein 1 (glutamate binding) isoform cra_a	1					0	
glutamate n-methyl d-aspartate 1	1				0		
glutamate n-methyl d-aspartate 2a	1	0					
glutamate receptor 2 isoform 2 precursor	1					0	
glutamate receptor 4 isoform 1 precursor	1				0		
glutamate receptor interacting protein 2	1	0					
glutamate receptor ionotropic n-methyl d-aspartate 2a	1				0		
glutamate receptor u1-like	1						0
glutamate--cysteine ligase catalytic subunit	1						0
glutamic pyruvate transaminase (alanine aminotransferase) 2	1	0					
glutaminase kidney mitochondrial-like	1						0
glutamine and serine-rich protein 1	1					0	
glutamine-asparagine rich protein	1				0		
glutamine-dependent nad(+) synthetase	1				0		
glutamine-dependent nad(+) synthetase-like	1		0				
glutamine-rich 1	1	0					
glutaminyl cyclase	1			0			
glutaminyl-peptide cyclotransferase-like	1				0		
glutamyl-prolyl trna synthetase isoform 2	1	0					
glutamyl-trna amidotransferase subunit a homolog	1		0				
glutamyl-trna amidotransferase-like	1					0	
glutaredoxin	1			0			
glutaredoxin 5	1				0		
glutathione peroxidase 6	1		0				
glutathione s-transferase c-terminal domain-containing protein	1						0
glutathione synthetase	1	0					
glutathione transferase zeta 1	1				0		
glyceraldehyde 3-phosphate dehydrogenase	1		0				
glycerol-3-phosphate acyltransferase 6	1	0					
glycerol-3-phosphate dehydrogenase 1	1	0					
glycerol-3-phosphate dehydrogenase 1-like protein	1	0					
glycerol-3-phosphate isoform cra_a	1	0					
glycerol-3-phosphate mitochondrial	1	0					
glycerophosphodiester phosphodiesterase 1	1	0					
glycerophosphodiester phosphodiesterase domain containing 2	1					0	
glycine amidinotransferase (l-arginine:glycine amidinotransferase)	1	0					
glycine- glutamate-thienylcyclohexylpiperidine-binding	1						0
glycine n-acyltransferase	1	0					
glycine n-acyltransferase-like protein 3-like	1				0		
glycine receptor subunit alpha-2-like isoform 2	1					0	
glycine receptor subunit beta isoform 1	1					0	
glycine-rich repeat-containing protein	1		0				
glycogen liver form	1		0				

glycogen synthase 1	1	o			
glycolipid transfer protein domain-containing protein 1	1			o	
glycoprotein	1			o	
glycoprotein 350 220	1			o	
glycoprotein 9	1	o			
glycoprotein a repetitions predominant precursor	1	o			
glycoprotein v-like	1			o	
glycoside hydrolase family protein	1				o
glycosylphosphatidylinositol anchor attachment 1	1				o
glycosyltransferase 1 domain containing 1	1	o			
glycosyltransferase 25 domain containing 1	1	o			
glycosyltransferase 25 domain containing 2	1	o			
glycosyltransferase 8 domain-containing protein 1	1	o			
glyoxylate reductase-like	1				o
glypican 1	1	o			
glypican 3	1			o	
glypican 5	1	o			
glypican 6	1	o			
gm2 ganglioside activator protein	1			o	
gmp reductase	1	o			
golgi golgin subfamily 1	1		o		
golgi golgin subfamily macrogolgin (with transmembrane signal) 1	1	o			
golgi golgin subfamily macrogolgin 1-like	1	o			
golgi reassembly stacking protein 2	1	o			
golgi-associated plant pathogenesis-related protein 1	1				o
gon-4-like (elegans)	1			o	
gppbp-interacting protein 130b	1				o
gpi ethanolamine phosphate transferase 2-like	1		o		
gpi inositol-deacylase	1			o	
gpi mannosyltransferase 2	1			o	
gpi transamidase component pig-s-like	1				o
gpi-anchor transamidase-like	1				o
g-protein coupled receptor 183	1	o			
g-protein coupled receptor 98	1				o
g-protein coupled receptor 98 precursor	1				o
g-protein coupled receptor 98-like	1	o			
g-protein coupled receptor family c group 5 member c-like	1			o	
g-protein coupled receptor-associated sorting protein 2	1			o	
g-protein signalling modulator 1 (ags3-elegans) isoform cra_c	1	o			
g-protein signalling modulator 1 (ags3-like elegans)	1			o	
g-protein-signaling modulator 2-like	1		o		
gpx5 protein	1	o			
grainyhead-like 1	1			o	
gram domain containing 2	1		o		
gram domain containing isoform cra_e	1	o			
gram domain-containing protein 3 isoform 1	1				o
gramd2 protein	1			o	
granulin 1	1				o
granulocyte colony-stimulating factor receptor precursor	1	o			

grb2-related adaptor protein	1	o			
grb2-related adaptor protein 2	1		o		
grn protein	1	o			
growth arrest and dna-damage- gamma interacting protein 1	1	o			
growth arrest and dna-damage-inducible protein gadd45 alpha	1				o
growth arrest-specific protein 2	1	o			
growth differentiation factor 15	1			o	
growth factor receptor bound protein 2-associated	1	o			
growth factor receptor-bound protein 10	1		o		
growth hormone-releasing hormone pituitary adenylate cyclase-activating protein	1			o	
growth hormone-releasing hormone receptor	1			o	
growth-hormone releasing hormone-like peptide receptor	1	o			
gsk-3-binding protein	1				o
gtp binding protein 2	1		o		
gtp cyclohydrolase 2	1		o		
gtpase activating protein (sh3 domain) binding protein 1	1	o			
gtpase imap family member partial	1			o	
gtpase kras-like	1		o		
gtpase regulator associated with the focal adhesion kinase pp125	1	o			
gtpase-like protein	1		o		
gtp-binding protein gem-like	1				o
gtp-binding protein rheb-like	1			o	
gtp-binding protein rhes-like	1			o	
guanine monphosphate synthetase	1	o			
guanine nucleotide binding 1	1			o	
guanine nucleotide binding 3 -like	1			o	
guanine nucleotide binding protein alpha transducin	1			o	
guanine nucleotide binding protein (g protein) alpha inhibiting activity polypeptide 1	1		o		
guanine nucleotide binding protein (g protein) beta 5	1		o		
guanine nucleotide binding protein (g protein) beta polypeptide like	1			o	
guanine nucleotide binding protein (g protein) gamma 2	1	o			
guanine nucleotide binding protein (g protein) gamma 3	1			o	
guanine nucleotide exchange	1			o	
guanine nucleotide-binding protein g g g subunit beta-1	1	o			
guanylate cyclase alpha 2	1			o	
guanylate kinase 1	1			o	
h aca ribonucleoprotein complex subunit 1	1				o
h aca ribonucleoprotein complex subunit 4	1			o	
h+ lysosomal v0 subunit a1 isoform 1	1			o	
h+ lysosomal v0 subunit isoform cra_c	1			o	
hairy and enhancer of split 6	1				o
hairy and enhancer of split gene 2	1			o	
hairy enhancer-of-split related with yrpw motif 1	1			o	
haloacid dehalogenase-like hydrolase domain containing 1a	1	o			

haloacid dehalogenase-like hydrolase domain-containing protein 2-like	1	o			
haptoglobin	1			o	
haptoglobin fragment 1	1			o	
haptoglobin-related protein	1		o		
hat family dimerisation domain containing expressed	1	o			
hat family dimerisation domain containing partial	1				o
hat family dimerization domain protein	1	o			
haus augmin-like complex subunit 2-like	1				o
haus augmin-like complex subunit 4	1	o			
haus augmin-like complex subunit 6	1			o	
hbs1-like protein isoform 3	1	o			
hcg30195-like isoform 2	1				o
hcls1-associated protein x-1	1		o		
hcp beta-lactamase-like protein c1orf163 homolog	1	o			
hd domain-containing protein 2	1	o			
hd_fugru ame: full=huntingtin ame: full=huntington disease protein homolog short=hd protein homolog	1				o
hdgr2_danre ame: full=hepatoma-derived growth factor-related protein 2 short=hrp-2	1				o
hdlbp protein	1	o			
headcase protein homolog	1				o
heat repeat containing 6	1		o		
heat repeat-containing protein 5b	1				o
heat repeat-containing protein 7a	1		o		
heat shock 22kda protein 8	1	o			
heat shock 27kda protein member 7	1	o			
heat shock 70 kda protein 14-like	1			o	
heat shock cognate 71 kda protein	1				o
heat shock cognate protein 70	1		o		
heat shock protein	1			o	
heat shock protein 30	1	o			
heat shock protein 40	1		o		
heat shock protein 8	1				o
heat shock protein 90kda alpha class a member 1	1	o			
heat shock protein hsp 90-alpha-like	1				o
heat shock protein hsp 90-beta	1				o
heat shock protein isoform cra_b	1	o			
heat shock transcription factor 1	1	o			
heat-shock protein 70	1			o	
heavy chain 11	1	o			
heavy chain 2	1	o			
heavy chain skeletal perinatal	1	o			
heavy chain smooth muscle	1		o		
heavy neurofilament protein	1				o
heavy polypeptide 5	1	o			
heavy polypeptide cardiac alpha-like	1	o			
heavy polypeptide isoform cra_a	1		o		
hect domain and rld 4	1			o	
hect domain and rld 5	1			o	
hedgehog acyltransferase	1				o
hedgehog acyltransferase-like	1	o			
hedgehog interacting protein	1				o
hedgehog-interacting protein	1		o		

helentron 5 helitron-like transposon replicase	1				0
helicase endonuclease					
helicase mov-10-	1	0			
helicase mov-10-like	1		0		
helicase ski2w	1	0			
hells protein	1	0			
hemagglutinin family protein	1			0	
hematopoietic cell-specific lyn substrate 1	1	0			
hematopoietic signal peptide-containing	1	0			
hematopoietic signal peptide-containing secreted 1	1				0
hematopoietically expressed homeobox	1	0			
heme binding protein 2	1	0			
heme oxygenase	1	0			
heme-binding protein 2	1		0		
hemicentin 1	1	0			
hemoglobin subunit alpha-d	1	0			
hemolytic complement	1		0		
hemolytic complement-like	1	0			
heparan sulfate 2-o-sulfotransferase 1	1			0	
heparan sulfate d-glucosaminyl 3-o-sulfotransferase 4	1		0		
heparan sulfate glucosamine 3-o-sulfotransferase 3b1	1		0		
heparan sulfate glucosamine 3-o-sulfotransferase 3b1-like	1		0		
heparanase 2	1		0		
heparin-binding egf-like growth factor	1	0			
hepatocellular carcinoma-associated antigen 127	1				0
hepatocellular carcinoma-associated gene td26	1			0	
hepatocyte cell adhesion molecule	1				0
hepatoma-derived growth factor	1	0			
hepatoma-derived growth factor (high-mobility group protein 1-like)	1		0		
hephaestin isoform 1	1		0		
hephaestin-like protein 1	1				0
hermansky-pudlak syndrome 1	1	0			
herv-h ltr-associating 2	1		0		
heterochromatin protein 1-beta-like	1		0		
heterochromatin protein binding protein 3	1				0
heterogeneous nuclear ribonucleoprotein	1				0
heterogeneous nuclear ribonucleoprotein l-like isoform 2	1				0
heterogeneous nuclear ribonucleoprotein u-like protein 1-like	1	0			
heterogeneous nuclear ribonucleoproteins c1 c2	1			0	
heterogeneous nuclear ribonucleoproteins c1 c2-like	1			0	
hexamethylene bis-acetamide inducible 1	1		0		
hexaprenyldihydroxybenzoate mitochondrial-like	1			0	
hexosaminidase a (alpha polypeptide)	1	0			
hexosaminidase b (beta polypeptide)	1		0		
high affinity camp-specific and ibmx-insensitive 3 -cyclic phosphodiesterase 8b-like	1	0			
high affinity cgmp-specific 3 -cyclic phosphodiesterase 9a-like	1		0		

high affinity choline transporter 1	1	o			
high density lipoprotein binding isoform cra_a	1	o			
high density lipoprotein binding isoform cra_c	1			o	
high molecular weight subunit pw212	1				o
precursor-related protein					
highly divergent homeobox	1		o		
hippocampus abundant transcript 1	1	o			
hira	1	o			
hira interacting protein 3	1	o			
histamine h1 receptor	1				o
histidine kinase- dna gyrase b- and hsp90-like domain containing partial	1			o	
histidine triad hit-5	1	o			
histidine triad nucleotide binding protein 3	1	o			
histidine-rich glycoprotein precursor	1				o
histone acetyltransferase myst4-like	1	o			
histone deacetylase	1			o	
histone deacetylase 10	1		o		
histone deacetylase complex subunit sap301-like isoform 2	1		o		
histone h2b 5-like	1				o
histone h3 type 2	1		o		
histone h3-like centromeric protein a	1		o		
histone h4-like	1		o		
histone rna hairpin-binding	1			o	
histone stem-loop binding protein	1				o
histone-lysine n-methyltransferase mll	1	o			
histone-lysine n-methyltransferase nsd3	1				o
histone-lysine n-methyltransferase setd1b	1				o
histone-lysine n-methyltransferase setd2	1		o		
histone-lysine n-methyltransferase setd2-like	1				o
histone-lysine n-methyltransferase setdb1-b-like	1				o
hiv tat specific factor 1	1				o
hiv-1 rev binding	1				o
hla-b associated transcript 2	1				o
hla-b associated transcript 5	1	o			
hmg box protein sox3	1				o
hmg box-containing protein 1	1	o			
hmha1 protein	1		o		
hmp19 protein	1				o
hnrnpd protein	1		o		
hnrnpl protein	1		o		
homeo box c5	1	o			
homeobox and leucine zipper encoding	1			o	
homeobox c8	1	o			
homeobox d9-like	1	o			
homeobox domain-containing protein	1				o
homeobox protein hmx2	1				o
homeobox protein meis1	1	o			
homeobox protein six1	1				o
homeobox prox 1	1		o		
homeobox-containing protein 1-like	1				o
homeodomain interacting protein kinase 3 isoform 1	1			o	
homeodomain-interacting protein kinase 1	1				o
homeodomain-interacting protein kinase 2 isoform 2	1	o			
homer homolog 2	1	o			
homer protein homolog 1-like	1				o

homer protein homolog 2	1	o			
homo sapiens c21orf63 isoform b	1	o			
homocysteine s-methyltransferase	1		o		
homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 2 protein	1	o			
homolog dmc1	1	o			
homolog precursor	1	o			
homolog subfamily a member 4	1			o	
homologous-pairing protein 2 homolog	1	o			
hook homolog 2	1	o			
horma domain containing 1	1				o
horma domain-containing protein 1	1			o	
hormone sensitive lipase	1		o		
hras-like suppressor 2	1			o	
hs1-associating protein x-1	1			o	
hsc70-interacting protein	1		o		
hsp90 co-chaperone cdc37-like 1	1	o			
hspb (heat shock 27kda) associated protein 1	1	o			
human homologue	1		o		
human immunodeficiency virus type i enhancer binding protein 1	1	o			
human immunodeficiency virus type i enhancer-binding protein 2 homolog	1			o	
huw1 protein	1				o
hyaluronan and proteoglycan link protein 4	1				o
hyaluronan-binding protein 2-like	1			o	
hyaluronidase-2 precursor	1				o
hyaluronoglucosaminidase 2	1	o			
hydrocephalus-inducing protein	1	o			
hydroxyacid oxidase 2	1		o		
hydroxyacid oxidase 2 (long chain)	1			o	
hydroxyacyl glutathione hydrolase	1			o	
hydroxyacyl-coenzyme a dehydrogenase 3-ketoacyl-coenzyme a thiolase enoyl-coenzyme a hydratase (trifunctional protein) beta subunit	1		o		
hydroxymethylglutaryl- cytoplasmic	1		o		
hydroxymethylglutaryl- synthase 1	1		o		
hydroxyproline-rich glycoprotein dz-hrgp	1				o
hyou1 protein	1			o	
hypermethylated in cancer 1 protein	1	o			
hypermethylated in cancer 2	1				o
hyperpolarization activated cyclic nucleotide-gated potassium channel 2	1				o
hypothetical isoform cra_a	1		o		
hypothetical loc298077	1			o	
hypothetical loc539475	1		o		
hypothetical loc565051	1	o			
hypothetical loc570390	1			o	
hypothetical malaria antigen	1				o
hypoxia up-regulated protein 1 precursor	1			o	
hypoxia-inducible factor 1 alpha	1	o			
hypoxia-inducible factor prolyl 4-hydroxylase	1	o			
ice recrystallisation inhibition protein	1				o
ig kappa chain v-iii region mopc 63 precursor	1	o			
igf binding protein 2	1				o
ik cytokine	1				o
im:7137941 protein	1	o			
im:7145112 protein	1	o			

im:7151680 protein	1			o	
imap family member 7	1			o	
immature colon carcinoma transcript 1	1	o			
immune-responsive gene 1 protein homolog	1	o			
immunoglobulin light chain isotype l3	1	o			
immunoglobulin superfamily containing leucine-rich repeat protein 2 isoform b	1			o	
immunoglobulin superfamily containing leucine-rich repeat protein 2-like	1				o
immunoglobulin superfamily member 10-like	1	o			
immunoglobulin superfamily member 6 precursor	1	o			
imp (inosine monophosphate) dehydrogenase 2	1	o			
importin 13	1	o			
importin 8	1		o		
importin partial	1	o			
importin subunit alpha-1	1		o		
Importin-4 [Dicentrarchus labrax]	1				o
in family member (ttn-1)	1	o			
inactive phospholipase c-like protein 1	1				o
inclusion membrane protein	1			o	
induced myeloid leukemia cell differentiation protein mcl-1 homolog	1			o	
ing (mammalian inhibitor of growth) homolog family member (ing-3)-like	1				o
inhibin alpha chain precursor	1			o	
inhibitor kappa b alpha	1		o		
inhibitor of growth member 5	1	o			
inhibitor of growth protein 1	1			o	
inhibitor of growth protein 3	1				o
inhibitor of kappa light polypeptide gene enhancer in b- kinase epsilon	1		o		
inhibitor of kappa light polypeptide gene enhancer in b- kinase gamma	1				o
inhibitor of nuclear factor kappa-b kinase subunit alpha	1		o		
inhibitor of nuclear factor kappa-b kinase-interacting protein isoform 1	1		o		
inner membrane protein	1		o		
inorganic pyrophosphatase mitochondrial precursor	1			o	
inosine monophosphate dehydrogenase 1	1				o
inosine monophosphate dehydrogenase 2	1			o	
inositol hexakisphosphate kinase 2	1	o			
inositol monophosphatase 1	1	o			
inositol polyphosphate 5-phosphatase ocr1-1-like	1				o
inositol polyphosphate-5- 75kda	1	o			
inositol -triphosphate receptor 2	1		o		
inositol -triphosphate receptor type 1	1	o			
inositol -triphosphate receptor type 1-like	1	o			
inositol-tetrakisphosphate 1-kinase	1				o
inositol-trisphosphate 3-kinase a	1	o			
inscuteable homolog	1			o	
insect-derived growth factor-a-like protein	1			o	
insulin gene enhancer protein isl-2	1				o
insulin receptor	1			o	
insulin receptor b	1			o	
insulin receptor substrate 4	1	o			

insulin-like growth factor 1 receptor	1			o	
insulin-like growth factor 2 receptor	1				o
insulin-like growth factor binding protein complex acid-labile subunit	1		o		
insulin-like growth factor binding protein-2	1	o			
integral membrane protein	1				o
integrase core domain protein	1			o	
integrator complex subunit 10	1	o			
integrator complex subunit 11-like	1		o		
integrator complex subunit 5	1		o		
integrin alpha fg-gap repeat containing 3	1	o			
integrin alpha m	1	o			
integrin alpha-7 partial	1	o			
integrin alpha-9	1			o	
integrin beta-1 subunit isoform 2	1	o			
interaction protein for cytohesin exchange factors 1	1				o
interactor protein for cytohesin exchange factors 1	1	o			
inter-alpha inhibitor h2	1		o		
inter-alpha inhibitor h5	1	o			
inter-alpha-trypsin inhibitor heavy chain h1	1	o			
inter-alpha-trypsin inhibitor heavy chain h2-like	1			o	
inter-alpha-trypsin inhibitor heavy chain h3 precursor	1	o			
inter-alpha-trypsin inhibitor heavy chain h4	1				o
interferon (beta and omega) receptor 1	1		o		
interferon- double-stranded rna-activated protein kinase	1			o	
interferon- double-stranded rna-activated protein kinase-like	1			o	
interferon gamma receptor 2	1	o			
interferon induced protein 2	1	o			
interferon induced transmembrane protein 5	1		o		
interferon inducible protein isg12	1				o
interferon regulatory factor 2	1			o	
interferon regulatory factor 2 binding protein 2	1			o	
interferon regulatory factor 2-binding protein 1	1				o
interferon regulatory factor 4	1	o			
interferon-induced 35 kda protein homolog	1				o
interferon-induced guanylate-binding protein 2-like	1	o			
interferon-induced protein with tetratricopeptide repeats 5-like	1		o		
interferon-induced transmembrane protein 3	1	o			
interferon-inducible protein gig1	1		o		
interferon-inducible protein gig2	1	o			
interferon-inducible transmembrane protein 1	1		o		
interferon-related developmental regulator 2	1	o			
interleukin 1 receptor accessory 1	1			o	
interleukin 1 receptor-like 2	1	o			
interleukin 15	1	o			
interleukin 15-like	1	o			
interleukin 17 isoform d	1			o	
interleukin 6 signal transducer (oncostatin m receptor)-like	1	o			
interleukin enhancer binding factor 2	1		o		

interleukin enhancer-binding factor 3 homolog	1	o		
interleukin-1 receptor antagonist	1	o		
interleukin-1 receptor type 1-like	1		o	
interleukin-1 receptor type 2-like	1		o	
interleukin-1 receptor-associated kinase 4	1		o	
interleukin-10 receptor beta chain precursor	1	o		
interleukin-15 receptor alpha chain	1	o		
Interleukin-7 [Dicentrarchus labrax]	1			o
interleukin-8	1	o		
interleukin-8-like protein	1	o		
intermediate chain 2	1		o	
intermediate filament 1	1	o		
intermediate filament family orphan 2	1	o		
intermediate filament protein	1	o		
interphotoreceptor matrix proteoglycan 2	1			o
intersectin 1 isoform itsn-1	1		o	
intersectin 2	1			o
intraflagellar transport protein 122 homolog	1	o		
intraflagellar transport protein 172 homolog	1			o
intraflagellar transport protein 52 homolog	1	o		
ipo7 protein	1		o	
iq domain-containing protein k-like	1			o
iq motif and sec7 domain 1	1		o	
iq motif and sec7 domain 2	1			o
iq motif and sec7 domain-containing protein 2-like	1		o	
iq motif containing c	1	o		
iron zinc purple acid phosphatase-like protein	1		o	
iron zinc purple acid phosphatase-like protein precursor	1	o		
iron-sulfur cluster assembly enzyme mitochondrial	1		o	
iron-sulfur cluster assembly enzyme mitochondrial-like isoform 2	1		o	
iroquois-class homeodomain protein irx-1	1			o
iroquois-class homeodomain protein irx-3	1	o		
isoleucyl-trna cytoplasmic	1			o
isoleucyl-trna mitochondrial	1			o
isoleucyl-trna mitochondrial-like	1			o
isopropylmalate isomerase large subunit	1	o		
itchy e3 ubiquitin protein ligase homolog	1		o	
itsn2 protein	1		o	
jagged 2	1	o		
janus kinase 1	1		o	
janus kinase and microtubule interacting protein 1	1		o	
jazf zinc finger 1	1	o		
jemma protein	1	o		
jerky homolog-like	1	o		
jumonji domain containing 3	1			o
jumonji domain containing 7	1	o		
jumonji domain-containing 3	1			o
jun dimerization protein 2	1			o
junctional adhesion molecule 2a	1	o		
junctophilin 2	1	o		
k acetyltransferase 2b	1	o		
k1468_danre_ame: full= domain and heat repeat-containing protein kiaa1468 homolog	1	o		
kallmann syndrome 1 sequence	1	o		
karyopherin alpha 3 (importin alpha 4)	1			o

karyopherin alpha 4 (importin alpha 3)	1	o							
karyopherin alpha 6	1	o							
kdel (lys-asp-glu-leu) containing 1	1								o
ke (drosophila actin-binding) homolog family member (ketn-1)	1	o							
kelch domain containing 10	1	o							
kelch domain containing 2	1	o							
kelch domain containing 6	1	o							
kelch domain-containing protein 10	1		o						
kelch repeat	1	o							
kelch repeat and btb domain-containing protein 12	1	o							
kelch repeat and btb domain-containing protein 13	1	o							
kelch repeat and btb domain-containing protein 2	1						o		
kelch repeat and btb domain-containing protein 3	1								o
kelch repeat and btb domain-containing protein 4	1					o			
kelch repeat-containing protein	1					o			
kelch-like 31	1	o							
kelch-like 33	1	o							
kelch-like 5	1						o		
kelch-like 9	1	o							
kelch-like ech-associated protein 1-like	1					o			
kelch-like protein 10	1					o			
kelch-like protein 17-like	1						o		
kelch-like protein 29-like	1							o	
keratin 15	1	o							
keratin 7-like	1			o					
keratin-associated protein 10-4-like	1					o			
keratin-associated protein 10-8-like	1								o
keratin-associated protein 10-like ensp00000375147 homolog	1								o
keratocan precursor	1						o		
kh domain- rna- signal transduction-associated protein 1-like	1								o
kiaa0020 protein	1		o						
kiaa0090 isoform 1	1	o							
kiaa0100 protein	1	o							
kiaa0256 protein	1						o		
kiaa0298 protein	1								o
kiaa0494 protein	1						o		
kiaa0799 protein	1		o						
kiaa0920 protein	1	o							
kiaa0954 protein	1							o	
kiaa0975 protein	1	o							
kiaa0979 protein	1							o	
kiaa0999 protein	1	o							
kiaa1026 protein	1						o		
kiaa1033 protein	1	o							
kiaa1095 protein	1	o							
kiaa1310 protein	1	o							
kiaa1378 protein	1						o		
kiaa1417 protein	1	o							
kiaa1589 protein	1			o					
kiaa1727 protein	1	o							
kiaa1822 protein	1			o					
kiaa1826 protein	1		o						

kiaa1882 protein	1				0	
kiaa1909 protein	1	0				
kiaa2010 protein	1		0			
kif21a protein	1	0				
kif9 protein	1		0			
kin of irre like 2	1	0				
kin of irre like 3	1				0	
kin of irre-like protein 3-like	1					0
kinase c-binding protein 1	1	0				
kinase suppressor of ras 1	1		0			
kinase suppressor of ras 2	1				0	
kinase suppressor of ras cg2899- partial	1			0		
kinase-like vesicle-associated	1				0	
kinesin family member 14-like	1	0				
kinesin family member 1c	1	0				
kinesin family member 20a	1			0		
kinesin family member 23	1		0			
kinesin family member 26b	1				0	
kinesin family member 3c	1				0	
kinesin family member 4a	1	0				
kinesin family member 5a	1				0	
kinesin family member c1	1	0				
kinesin family member c3	1		0			
kinesin heavy chain isoform 5c-like	1				0	
kinesin light chain 2	1					0
kinesin-like protein kif13b-like	1					0
kinesin-like protein kif1b-like isoform 3	1				0	
kinesin-like protein kif20a	1			0		
kinesin-like protein kif2c	1		0			
kinetochore protein ndc80 homolog	1		0			
kinetochore protein nuf2	1	0				
kinetochore protein spc25	1	0				
kinetochore-associated protein dsn1 homolog	1			0		
kinetoplast-associated protein	1	0				
kininogen-1 isoform 1	1			0		
kit ligand	1	0				
klf534-like protein	1	0				
klraq motif-containing protein 1-like	1		0			
kn motif and ankyrin repeat domains 1	1			0		
krev interaction trapped protein 1	1	0				
krueppel c2h2-type zinc finger	1	0				
krueppel-like factor 6-like isoform 1	1					0
kruppel-like factor 10	1			0		
kruppel-like factor 4	1	0				
ktel (lys-tyr-glu-leu) containing 1	1	0				
kunitz-type protease inhibitor 1 precursor	1			0		
1			0			
l-2-hydroxyglutarate mitochondrial	1		0			
la ribonucleoprotein domain member 1b	1		0			
lactate dehydrogenase d	1		0			
lactose-binding lectin l-2	1		0			
lactosylceramide alpha- -sialyltransferase	1		0			
lag1 longevity assurance homolog 5	1	0				
lag1 longevity assurance-like protein 1	1				0	
lamin a	1	0				
lamin b1	1			0		
lamin b3	1	0				
lamina-associated polypeptide 1b	1	0				
lamina-associated polypeptide isoforms beta gamma-like	1	0				

laminin alpha 3 splice variant b1	1	o				
laminin alpha 3b chain	1	o				
laminin alpha 4	1		o			
laminin subunit beta-1-like	1					o
laminin subunit beta-2	1				o	
laminin subunit gamma-1 precursor	1	o				
l-amino acid oxidase	1		o			
lamp family protein c20orf103 homolog precursor	1					o
lanosterol 14-alpha demethylase	1				o	
lantibiotic synthetase component c-like 2	1	o				
la-related protein 7-like	1				o	
la-related protein partial	1				o	
large ala glu-rich protein	1			o		
large neutral amino acids transporter small subunit 1	1				o	
large neutral amino acids transporter small subunit 2	1			o		
large tegument protein	1	o				
latrophilin and seven transmembrane domain containing 1	1	o				
latrophilin-1 precursor	1				o	
latrophilin-2 isoform 1	1				o	
lats homolog 1-like	1					o
layilin b	1	o				
lbr protein	1				o	
lecithin cholesterol acyl transferase	1			o		
lecithin retinol acyltransferase (phosphatidylcholine--retinol o-acyltransferase)	1					o
lectin precursor	1		o			
lectin type 2	1		o			
leiomodulin 1 (smooth muscle)	1	o				
lens fiber major intrinsic protein	1	o				
leprecan-like 2	1	o				
leucine rich repeat (in flin) interacting protein 2	1	o				
leucine rich repeat and fibronectin type iii domain containing 2	1					o
leucine rich repeat containing 20	1	o				
leucine rich repeat containing 28	1		o			
leucine rich repeat containing 32	1	o				
leucine rich repeat containing 33	1	o				
leucine rich repeat containing 42	1	o				
leucine rich repeat containing 47	1			o		
leucine rich repeat neuronal 2	1				o	
leucine rich repeat transmembrane neuronal 2	1				o	
leucine tumor suppressor 2	1	o				
leucine zipper protein 2 isoform 1	1				o	
leucine-rich glioma-inactivated protein 1	1					o
leucine-rich glioma-inactivated protein 1-like	1				o	
leucine-rich repeat and coiled-coil domain-containing protein 1	1		o			
leucine-rich repeat and fibronectin type iii domain-containing protein 1-like	1				o	
leucine-rich repeat and fibronectin type-iii domain-containing protein 6-like	1				o	
leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1-like	1				o	

leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 2-like	1				o	
leucine-rich repeat domain protein	1	o				
leucine-rich repeat flightless-interacting protein 2	1	o				
leucine-rich repeat flightless-interacting protein 2 isoform 1	1					o
leucine-rich repeat lgi family member 2 precursor	1					o
leucine-rich repeat neuronal protein 3-like	1					o
leucine-rich repeat protein shoc-2	1	o				
leucine-rich repeat-containing g protein-coupled receptor 4	1		o			
leucine-rich repeat-containing protein 32-like	1		o			
leucine-rich repeat-containing protein 42	1			o		
leucine-rich repeat-containing protein 49	1					o
leucine-rich repeat-containing protein 59	1					o
leucine-rich repeat-containing protein 9-like	1			o		
leucine-rich repeats and calponin homology domain containing 2	1				o	
leucine-rich repeats and transmembrane domains 1	1	o				
leukocyte common antigen precursor	1	o				
leukocyte membrane antigen-like	1	o				
leukocyte receptor cluster member 4	1				o	
leukocyte receptor cluster member 9	1		o			
leukotriene b4 receptor	1	o				
leukotriene b4 receptor 1	1		o			
leukotriene c4 synthase	1	o				
leydig cell tumor 10 kda protein	1	o				
ligand of numb protein x 2-like	1				o	
ligand of numb-protein x 2	1				o	
ligase atp-dependent	1	o				
light ear protein	1	o				
light intermediate polypeptide 1	1					o
light polypeptide	1				o	
light polypeptide kinase	1		o			
light tctex-type 1	1	o				
lim and calponin homology domains 1 isoform 4	1				o	
lim and senescent cell antigen-like domains 1 isoform 2	1	o				
lim domain binding 1	1					o
lim domain containing preferred translocation partner in lipoma	1		o			
lim domain kinase 2	1					o
lim domain only 1	1			o		
lim domain only 1 (rhombotin 1)	1					o
lim domain only 2	1	o				
lim domain transcription factor lmo4	1					o
lim domain transcription factor lmo4-like	1	o				
lim domain-binding protein 1	1	o				
lim domain-binding protein 3-like	1		o			
lim homeobox 6	1	o				
limb region 1 homolog	1	o				
lin-10 homolog (elegans) isoform cra_b	1	o				
lin-7 homolog b	1			o		
lingo2 protein	1					o

lipid phosphate phosphatase-related protein type 1	1			o	
lipid phosphate phosphatase-related protein type 2	1			o	
lipid phosphate phosphatase-related protein type 5-like	1			o	
lipid phosphate phosphohydrolase 2	1	o			
lipid phosphate phosphohydrolase 3 isoform 2	1			o	
lipolysis-stimulated lipoprotein receptor precursor	1			o	
liprin-beta-1 isoform 1	1				o
lish domain-containing protein armc9	1				o
lish domain-containing protein c16orf63 homolog	1		o		
lissencephaly-1 homolog b	1	o			
litaf-like protein	1		o		
liver angiotensinogen	1		o		
liver basic fatty acid binding protein	1		o		
liver glycogen phosphorylase	1	o			
liver x receptor alpha	1			o	
lmb1 domain-containing protein 2	1			o	
loc100006898 protein	1	o			
loc100037905 protein	1	o			
loc100127300 protein	1		o		
loc100127334 protein	1	o			
loc100145034 protein	1			o	
loc100145131 protein	1	o			
loc100145420 protein	1	o			
loc100145470 protein	1				o
loc100151157 protein	1			o	
loc100158280 protein	1	o			
loc100158319 protein	1		o		
loc100158343 protein	1		o		
loc100170538 protein	1		o		
loc397853 protein	1	o			
loc398480 protein	1	o			
loc398501 protein	1				o
loc431836 protein	1		o		
loc443593 protein	1	o			
loc443703 protein	1				o
loc443706 protein	1		o		
loc446285 protein	1	o			
loc446936 protein	1		o		
loc495229 protein	1	o			
loc497000 protein	1		o		
loc511108 protein	1	o			
loc553339 partial	1		o		
loc553343 protein	1	o			
loc553490 protein	1	o			
loc553495 protein	1	o			
loc556466 protein	1		o		
loc561593 protein	1				o
loc563520 protein	1			o	
loc563523 protein	1	o			
loc565404 protein	1	o			
loc569044 protein	1		o		
loc569234 protein	1			o	
loc569631 protein	1			o	
loc570454 protein	1	o			

loc572412 protein	1	o			
loc733162 protein	1				o
loc733202 protein	1	o			
loc733379 protein	1		o		
loc733382 protein	1			o	
loc733419 protein	1	o			
loc779081 protein	1	o			
loc794500 protein	1				o
loc798746 protein	1	o			
loc799552 protein	1	o			
lon peptidase n-terminal domain and ring finger 3	1				o
lon peptidase n-terminal domain and ring finger protein 1	1			o	
lon peptidase peroxisomal	1		o		
lon protease mitochondrial	1			o	
lon protease mitochondrial precursor	1	o			
long-chain fatty acid transport protein 1-like	1				o
long-chain specific acyl- mitochondrial	1		o		
long-chain-fatty-acid-- ligase 4	1		o		
long-chain-fatty-acid-- ligase 4-like	1				o
long-chain-fatty-acid-- ligase acsbg1	1			o	
low affinity cationic amino acid transporter 2	1		o		
low density lipoprotein receptor adapter protein 1	1				o
low density lipoprotein receptor-related protein 10-like	1	o			
low quality protein: axin-2-like	1		o		
low quality protein: calmodulin-binding transcription activator 2-like	1	o			
low quality protein: ccaat enhancer-binding protein zeta-like	1			o	
low quality protein: chromodomain-helicase-dna-binding protein 9-like	1				o
low quality protein: clip-associating protein 1-like	1				o
low quality protein: cytoskeleton-associated protein 5-like	1				o
low quality protein: disintegrin and metalloproteinase domain-containing protein 23-like	1			o	
low quality protein: dnaj homolog subfamily c member 13-like	1			o	
low quality protein: e3 sumo-protein ligase 2-like	1		o		
low quality protein: ecotropic viral integration site 5 protein homolog	1	o			
low quality protein: eukaryotic translation initiation factor 3 subunit a-like	1			o	
low quality protein: glyceraldehyde-3-phosphate dehydrogenase-like	1			o	
low quality protein: hephaestin-like	1		o		
low quality protein: intersectin-2-like	1				o
low quality protein: mam and ldl-receptor class a domain-containing protein c10orf112-like	1	o			
low quality protein: myopalladin-like	1	o			
low quality protein: myosin-xv	1				o
low quality protein: phosphatidate phosphatase lpin1-like	1	o			

low quality protein: prostaglandin g h synthase 1-like	1	o								
low quality protein: protein bat2-like 1-like	1	o								
low quality protein: protein piccolo-like	1								o	
low quality protein: protein sgt1-like	1				o					
low quality protein: sodium leak channel non-selective	1							o		
low quality protein: spectrin beta brain 2-like	1		o							
low quality protein: uncharacterized protein kiaa0467-like	1							o		
low quality protein: upf0378 protein kiaa0100-like	1							o		
low quality protein: von willebrand factor type egf and pentraxin domain-containing protein 1-like	1				o					
low quality protein: zinc finger and btb domain-containing protein 4-like	1								o	
low quality protein: zinc finger protein rlf-like	1	o								
low-density lipoprotein receptor-related protein 12	1							o		
low-density lipoprotein receptor-related protein 1b	1				o					
low-density lipoprotein receptor-related protein 1b precursor (low-density lipoprotein receptor-related protein-deleted in tumor) (lrp-dit)	1							o		
lphn1 protein	1									o
lps-responsive vesicle beach and anchor containing	1							o		
lpxtg cell wall surface anchor family protein	1		o							
lrp1 protein	1	o								
lrr and pyd domains-containing protein 12	1	o								
lrr and pyd domains-containing protein 4	1	o								
LRRG00134 [Rattus norvegicus]	1	o								
l-threonine 3- mitochondrial-like	1		o							
luc7-like isoform b	1							o		
lunapark a	1				o					
lwa_antel ame: full=lwamide neuropeptides contains: ame: full=lwamide i contains: ame: full=metamorphosin a short=mma ame: full=lwamide ii contains: ame: full=lwamide iii contains: ame: full=lwamide iv contains: ame: full=lwamide v contains: ame: full=lwamide vi contains: ame: full=lwamide vii contains: ame: full=lwamide viii contains: ame: full=lwamide ix flags: precursor	1	o	o	o	o	o	o	o	o	o
l-xylulose reductase	1	o								
lymph node homing receptor	1	o								
lymphocyte cytosolic protein 1 (l-plastin)	1	o								
lymphocyte-specific protein 1	1	o								
lymphocyte-specific protein tyrosine kinase	1	o								
lymphoid enhancer-binding factor 1	1								o	
lymphoid specific	1	o								
lyr motif-containing protein 1	1						o			
lyr motif-containing protein 5a	1		o							
lysine -specific demethylase a	1	o								
lysine -specific demethylase b	1	o								
lysine-specific demethylase 2b-like	1				o					
lysine-specific demethylase 5c	1	o								
lysine-specific histone demethylase 1a-like	1							o		

lysm and peptidoglycan-binding domain-containing protein 4	1	o			
lysocardiolipin acyltransferase 1	1	o			
lysophosphatidic acid receptor 1	1		o		
lysophosphatidic acid receptor 2	1		o		
lysophosphatidic acid receptor 6	1				o
lysophospholipase i	1			o	
lysophospholipid acyltransferase 5	1	o			
lysophospholipid acyltransferase lpcat4	1	o			
lysosomal acid phosphatase precursor	1				o
lysosomal protein ncu-g1-like	1			o	
lysosomal thioesterase ppt2-like	1			o	
lysosomal trafficking regulator-like	1	o			
lysosome-associated membrane glycoprotein 1 precursor	1				o
lysozyme c-like	1		o		
lysyl hydroxylase	1	o			
macrophage colony-stimulating factor 1	1	o			
macrophage colony-stimulating factor receptor	1	o			
macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	1		o		
macrophage-stimulating protein receptor-like	1		o		
macrosialin precursor	1		o		
mad homolog 2	1	o			
magnesium chelatase subunit h	1			o	
magnesium transporter mrs2 mitochondrial-like	1	o			
magnesium transporter nipa2	1	o			
magnesium transporter nipa4-like	1		o		
mago nashi homolog	1			o	
maguk p55 subfamily member 2	1				o
maguk p55 subfamily member 5	1			o	
major facilitator superfamily domain containing 3-like	1	o			
major facilitator superfamily domain-containing protein 8	1		o		
major vault protein	1		o		
mak10 amino-acid n-acetyltransferase subunit (cerevisiae)	1			o	
male-specific lethal 1 homolog	1			o	
mam domain-containing glycosylphosphatidylinositol anchor protein 1	1				o
manganese-dependent adp-ribose cdp-alcohol diphosphatase	1			o	
mannose c type 1b	1				o
mannose c type 1-like 1	1	o			
mannose receptor c type 1-like	1				o
mannose-6-phosphate receptor (cation dependent)	1	o			
mannose-binding 2	1			o	
mannose-binding 2-like	1				o
mannose-binding lectin-associated serine protease	1			o	
mannoside acetylglucosaminyltransferase isoform cra_a	1			o	
mannosyl-oligosaccharide -alpha-mannosidase ia	1	o			

map kinase interacting serine threonine kinase 1	1			o	
map kinase-activated protein kinase 2-like	1		o		
map kinase-activating death domain isoform 4	1			o	
map kinase-interacting serine threonine-protein kinase 1	1			o	
map kinase-interacting serine threonine-protein kinase 2	1		o		
map microtubule affinity-regulating kinase 3	1		o		
map microtubule affinity-regulating kinase 3-like isoform 1	1				o
map microtubule affinity-regulating kinase 3-like isoform 2	1				o
map3k12-binding inhibitory protein 1	1		o		
map-kinase activating death domain-containing isoform 3	1			o	
marvel domain-containing protein 2	1		o		
mast cell proteinase-3-like	1		o		
mastermind-like 2	1		o		
mastigoneme-like protein	1		o		
maternal embryonic leucine zipper kinase	1			o	
mating-type mat1-2 protein	1				o
matrin-3 isoform 1	1			o	
matrin-3 isoform 2	1		o		
matrin-3-like isoform 1	1		o		
matrix metalloproteinase 13 (collagenase 3)	1		o		
matrix metalloproteinase 13 (collagenase 3) precursor	1			o	
matrix metalloproteinase 16 (membrane-inserted)	1		o		
matrix metalloproteinase 3 (stromelysin progelatinase)	1		o		
matrix metalloproteinase 13	1		o		
matrix metalloproteinase 19	1		o		
matrix metalloproteinase 9	1			o	
matrix metalloproteinase-16	1				o
matrix metalloproteinase-18-like	1		o		
matrix metalloproteinase-24	1				o
matrix-remodelling associated 5	1		o		
matrix-remodelling associated 8	1		o		
mature t-cell proliferation 1	1		o		
max dimerization protein 4	1		o		
max gene-associated protein	1		o		
max gene-associated protein isoform 2	1				o
max interactor 1	1		o		
max-like protein x	1		o		
mbd1 protein	1				o
mbt domain containing 1	1		o		
mCG1031593 [Mus musculus]	1			o	
mCG145381 [Mus musculus]	1				o
mdm4_danre ame: full=protein mdm4 ame: full=double minute 4 protein ame: full=mdm2-like p53-binding protein ame: full=protein mdmx ame: full=p53-binding protein mdm4	1			o	
mechanosensitive ion channel	1		o		
mechanosensitive ion channel family protein	1		o		
mediator complex subunit 19	1			o	
mediator complex subunit 27	1		o		

mediator of rna polymerase ii transcription subunit 1	1		o		
mediator of rna polymerase ii transcription subunit 12	1		o		
mediator of rna polymerase ii transcription subunit 12 (thyroid hormone receptor-associated protein complex 230 kda component) (activator-recruited cofactor 240 kda component) (cag repeat protein 45) (opa-containing iso	1		o		
mediator of rna polymerase ii transcription subunit 19-b	1		o		
mediator of rna polymerase ii transcription subunit 19-like	1			o	
mediator of rna polymerase ii transcription subunit 24-like isoform 2	1				o
mediator of rna polymerase ii transcription subunit 30	1		o		
mediator of rna polymerase ii transcription subunit 31	1				o
mediator of rna polymerase ii transcription subunit 4-like	1				o
mediator of rna polymerase ii transcription subunit 8-like	1				o
medium polypeptide	1			o	
megf10 protein	1			o	
megf8 partial	1		o		
melanocortin 2 receptor	1		o		
melanocyte proliferating gene 1	1		o		
melanoma differentiation-associated protein 5	1		o		
melanoma inhibitory activity protein 3	1		o		
melanoma ubiquitous mutated protein	1				o
melatonin receptor 1a	1		o		
member of ras oncogene family-like 2a	1		o		
member ras oncogene family	1			o	
membrane guanylyl cyclase	1			o	
membrane palmitoylated 55kda	1		o		
membrane protein mlc1	1			o	
membrane-anchored cell surface protein	1				o
membrane-associated guanylate ww and pdz domain-containing protein 1	1			o	
membrane-associated ring finger 5	1		o		
membrane-associated ring finger 8	1			o	
membrane-bound transcription factor site 2	1		o		
membrane-bound transcription factor site-1 protease	1		o		
membrane-spanning 4-domains subfamily a member 12	1		o		
membrane-spanning 4-domains subfamily a member 4a	1			o	
membrane-spanning 4-domains subfamily a member 8a	1				o
meningioma expressed antigen 5 isoform 1	1		o		
meningioma expressed antigen 5 isoform 2	1		o		
meprin 1 beta	1				o
meprin alpha (paba peptide hydrolase)	1		o		
meprin beta	1				o
merozoite surface antigen 2	1		o		
mesenchyme homeobox 1	1		o		
mesenchyme homeobox 2	1		o		

mesothelin isoform 1 preproprotein	1				0
metabotropic glutamate receptor 2	1				0
metabotropic glutamate receptor 5 splice isoform 2	1		0		
metabotropic glutamate receptor 5-like	1			0	
metabotropic glutamate receptor 8	1				0
metal transporter cnm2	1			0	
metallo-beta-lactamase domain-containing protein 1	1	0			
metallo-beta-lactamase family protein	1		0		
metalloendopeptidase homolog pex	1		0		
metallophosphoesterase domain containing 1	1				0
metalloreductase steap2	1				0
metalloreductase steap3-like	1				0
metal-response element-binding transcription factor 2	1	0			
metastasis associated 1	1		0		
metastasis suppressor 1-like	1			0	
metastasis suppressor isoform cra_d	1		0		
metastasis-associated protein mta1-like	1		0		
metastasis-associated protein mta2	1		0		
methionine aminopeptidase 1d	1			0	
methionine aminopeptidase 2-like	1	0			
methionine aminopeptidase mitochondrial precursor	1	0			
methionine-trna synthetase 2	1			0	
methionyl-trna mitochondrial-like	1				0
methyl- binding domain protein 1	1	0			
methyl- binding domain protein 5	1	0			
methylcrotonoyl- carboxylase beta mitochondrial	1			0	
methylcrotonoyl-coenzyme a carboxylase 1	1		0		
methylenetetrahydrofolate reductase	1				0
methylglutaconyl- mitochondrial-like	1				0
methylmalonic aciduria (cobalamin deficiency) cblc with homocystinuria	1	0			
methylmalonic aciduria and homocystinuria type c protein homolog	1	0			
methylthioadenosine phosphorylase	1				0
methyltransferase family member 1	1		0		
methyltransferase like 2a	1	0			
methyltransferase mb3374	1			0	
methyltransferase nsun6-like	1		0		
methyltransferase type 11	1	0			
methyltransferase wbscr22	1			0	
methyltransferase-like protein 1	1	0			
methyltransferase-like protein 7a precursor	1			0	
methyltransferase-like protein 9-like	1	0			
methyltransferase-like protein mitochondrial-like	1			0	
metrn protein	1			0	
mevalonate decarboxylase	1			0	
mgc11257 protein	1	0			
mgc114910 protein	1	0			
mgc115312 protein	1				0
mgc137510 protein	1		0		
mgc147117 protein	1	0			
mgc4836 protein	1			0	
mgc53818 protein	1		0		
mgc64596 protein	1			0	

mgc68650 protein	1		0		
mgc79469 protein	1				0
mgc80389 protein	1			0	
mgc80500 protein	1				0
mgc80644 protein	1		0		
mgc81615 protein	1	0			
mgc82365 protein	1		0		
mgc84302 protein	1			0	
mhc class ia antigen	1				0
mhc class ii alpha antigen	1			0	
mhc class ii beta antigen	1				0
mhc class iia antigen	1	0			
mib2 protein	1		0		
microfibrillar-associated protein 3-like precursor	1				0
microphthalmia-associated transcription factor	1			0	
microtubule associated calponin and lim domain containing 1	1	0			
microtubule associated calponin and lim domain containing 2	1	0			
microtubule associated calponin and lim domain containing isoform cra_a	1	0			
microtubule associated serine threonine kinase 3	1			0	
microtubule-associated protein 1 light chain 3 alpha	1			0	
microtubule-associated protein 1s	1				0
microtubule-associated protein 2 isoform 1 isoform 4	1			0	
microtubule-associated protein 2-like	1			0	
microtubule-associated protein 4	1			0	
microtubule-associated protein 7 domain containing 1	1	0			
microtubule-associated protein 7-like	1				0
microtubule-associated protein 9	1			0	
microtubule-associated protein homolog	1		0		
microtubule-associated protein tau-like	1				0
microtubule-associated serine threonine-protein kinase 1	1				0
microtubule-associated serine threonine-protein kinase 2-like	1			0	
microtubule-associated serine threonine-protein kinase 3	1				0
microtubule-associated serine threonine-protein kinase 4	1			0	
microtubule-associated serine threonine-protein kinase 4-like	1				0
microtubule-associated tumor suppressor 1 homolog	1		0		
microtubule-associated tumor suppressor 1 homolog a-like	1				0
midgut cysteine	1		0		
midkine	1			0	
midline-1 isoform 1	1	0			
midnolin	1		0		
milk fat globule-egf factor 8 protein	1	0			
mindbomb homolog 1	1		0		
mineralocorticoid receptor	1			0	

minichromosome maintenance complex component 3 associated protein	1	o				
minus agglutinin	1	o				
misshapen-like kinase 1	1		o			
mit domain-containing protein 1	1	o				
mitochondria antiviral signalling protein	1			o		
mitochondrial 28s ribosomal protein precursor	1		o			
mitochondrial 28s ribosomal protein s29	1				o	
mitochondrial 39s ribosomal protein l33	1		o			
mitochondrial aspartate aminotransferase	1					o
mitochondrial atp synthase subunit gamma	1					o
mitochondrial carnitine palmitoyltransferase i alpha1a	1					o
mitochondrial carrier protein flj44862-like	1		o			
mitochondrial dimethyladenosine transferase 1	1	o				
mitochondrial dynamin-like 120 kda protein	1	o				
mitochondrial fission factor	1				o	
mitochondrial glutamate carrier 1-like	1			o		
mitochondrial h+-transporting atp synthase f1 complex beta polypeptide	1				o	
mitochondrial import inner membrane translocase subunit tim10	1			o		
mitochondrial import inner membrane translocase subunit tim14	1					o
mitochondrial import inner membrane translocase subunit tim22	1				o	
mitochondrial import receptor subunit tom70	1				o	
mitochondrial inner membrane protease subunit 1	1	o				
mitochondrial inner membrane protease subunit 2	1				o	
mitochondrial inner membrane protein	1		o			
mitochondrial inner membrane protein oxa11	1	o				
mitochondrial methionyl-trna formyltransferase	1	o				
mitochondrial ornithine transporter 1	1		o			
mitochondrial protein 18 kda	1	o				
mitochondrial rho gtpase 1	1					o
mitochondrial rho gtpase 1-like	1	o				
mitochondrial rho gtpase 2	1		o			
mitochondrial ribosomal protein l23	1					o
mitochondrial ribosomal protein l27 isoform cra_b	1					o
mitochondrial ribosomal protein l28-like	1	o				
mitochondrial ribosomal protein l33	1				o	
mitochondrial ribosomal protein l34	1	o				
mitochondrial ribosomal protein l36	1		o			
mitochondrial ribosomal protein l39	1				o	
mitochondrial ribosomal protein l4	1	o				
mitochondrial ribosomal protein l43	1			o		
mitochondrial ribosomal protein l9	1	o				
mitochondrial ribosomal protein s11	1		o			
mitochondrial ribosomal protein s12	1		o			
mitochondrial ribosomal protein s30	1	o				
mitochondrial ribosomal protein s34	1		o			
mitochondrial ribosomal protein s35	1		o			
mitochondrial ribosomal protein subunit rtc6	1	o				
mitochondrial succinyl- ligase	1	o				

mitochondrial translational initiation factor 2	1	o			
mitochondrial translational initiation factor isoform cra_a	1				o
mitochondrial ubiquitin ligase activator of nfkb 1	1				o
mitochondrial ubiquitin ligase activator of nfkb 1-like	1	o			
mitochondrial-like	1			o	
mitochondrial-processing peptidase subunit alpha	1			o	
mitofusin 1	1	o			
mitogen activated protein kinase 9	1	o			
mitogen-activated protein kinase 10-like	1				o
mitogen-activated protein kinase 11	1				o
mitogen-activated protein kinase 14 isoform 1	1	o			
mitogen-activated protein kinase 15	1		o		
mitogen-activated protein kinase 7	1			o	
mitogen-activated protein kinase 8 interacting protein 3	1	o			
mitogen-activated protein kinase 8 isoform 1	1	o			
mitogen-activated protein kinase associated protein 1	1	o			
mitogen-activated protein kinase isoform cra_a	1				o
mitogen-activated protein kinase kinase 6	1	o			
mitogen-activated protein kinase kinase kinase 10	1	o			
mitogen-activated protein kinase kinase kinase 7 interacting protein 3	1	o			
mitogen-activated protein kinase kinase kinase kinase 2	1	o			
mitogen-activated protein kinase kinase kinase kinase 4-like	1				o
mitogen-activated protein kinase-activated protein kinase 5	1	o			
mitogen-activated protein kinase-binding protein 1 isoform 1	1			o	
mitotic spindle-associated mmx d complex subunit mip18	1				o
mixed lineage kinase domain-like	1	o			
mj0042 family finger-like protein	1			o	
mkiaa0363 protein	1			o	
mkiaa0664 protein	1			o	
mkiaa1506 protein	1			o	
mlf1 interacting protein	1	o			
mln64 n-terminal domain homolog	1		o		
mlx interacting	1		o		
mms4 protein	1				o
moloney leukemia virus homolog	1	o			
molybdenum cofactor sulfurase	1	o			
molybdenum cofactor synthesis 1	1		o		
molybdenum cofactor synthesis 2	1	o			
molybdenum cofactor synthesis 3	1		o		
molybdenum cofactor synthesis protein 2 large subunit	1		o		
molybdopterin synthase small subunit mocs2a	1			o	
monoacylglycerol acyltransferase 1	1		o		
monoacylglycerol o-acyltransferase 2	1		o		
monoacylglycerol o-acyltransferase 3-like	1			o	

monocarboxylate transporter 1	1	o			
monocarboxylate transporter 2	1	o			
morc family cw-type zinc finger protein 2	1			o	
morc family cw-type zinc finger protein 3	1	o			
morc family cw-type zinc finger protein 4	1	o			
motile sperm domain containing 1	1				o
m-phase inducer phosphatase 2-like	1			o	
m-phase phosphoprotein 1	1	o			
mps one binder kinase activator-like 2	1	o			
mrna turnover deadenylation component (pop2 homologue)	1			o	
mrna-capping enzyme	1				o
mrna-decapping enzyme 1a	1			o	
msh2 protein	1	o			
mslc9a3r2 e3karp sip-1 tka-1 octs2	1				o
msug1 protein	1			o	
mterf domain containing 2	1	o			
mterf domain-containing protein mitochondrial-like	1			o	
mucin 11a	1			o	
mucin 30e	1	o			
mucin apoprotein	1			o	
mucin-7 precursor	1	o			
mucin-associated surface protein	1			o	
mucolipin 1	1			o	
mucosa associated lymphoid tissue lymphoma translocation gene 1-like	1	o			
mucosa associated lymphoid tissue lymphoma translocation gene isoform cra_b	1			o	
multidrug and toxin extrusion protein 2	1			o	
multidrug and toxin extrusion protein 2-like	1			o	
multidrug resistance associated protein 2	1			o	
multidrug resistance-associated protein 4	1				o
multifunctional chaperone	1			o	
multifunctional expression regulator	1			o	
multiple coagulation factor deficiency 2	1	o			
multiple epidermal growth factor-like domains protein 8-like	1	o			
muscarinic acetylcholine receptor m4	1				o
muscle segment homeobox c	1				o
muscleblind-like 1 isoform 4	1	o			
muscleblind-like 1 isoform 5	1	o			
muscle-restricted dual specificity phosphatase	1	o			
muscle-type creatine kinase ckm1	1	o			
musculoskeletal embryonic nuclear protein 1	1	o			
muts homolog 6 (coli)	1	o			
myb and hsa domain-containing protein	1	o			
myb- swirm and mpn domains 1	1			o	
myb-binding protein 1a-like	1			o	
myc box-dependent-interacting protein 1-like	1			o	
myc target protein 1 homolog	1	o			
myelin expression factor 2	1			o	
myelin gene regulatory factor-like	1				o
myelin protein zero-like 1	1			o	
myelin protein zero-like 3	1			o	
myelin transcription factor 1-like	1			o	
myeloid cell leukemia 1	1			o	
myeloid differentiation factor 88	1	o			
myeloid ecotropic viral integration 1	1	o			

myeloid leukemia factor 2	1		o			
myeloid lymphoid or mixed-lineage leukemia	1		o			
myeloid lymphoid or mixed-lineage leukemia 3	1					o
myocardin	1		o			
myocardin-like protein	1		o			
myocardin-related transcription factor b-like	1				o	
myocilin	1		o			
myof protein	1		o			
myogenic factor 1	1		o			
myogenin	1		o			
myo-inositol-1 phosphate synthase-like	1					o
myomesin-1 isoform 1	1			o		
myosin binding protein fast-type	1		o			
myosin binding protein h-like	1		o			
myosin heavy skeletal adult	1		o			
myosin if	1		o			
myosin ixa	1		o			
myosin ixa-like 1	1		o			
myosin ixb	1			o		
myosin light chain 1	1		o			
myosin phosphatase rho-interacting protein	1				o	
myosin regulatory light chain mrcl3	1					o
myosin va (heavy chain myoxin)	1		o			
myosin xix	1				o	
myosin-9 (myosin heavy nonmuscle iia) (nonmuscle myosin heavy chain iia) (nmmhc ii-a) (nmmhc-ii-a) (cellular myosin heavy type a) (nonmuscle myosin heavy chain-a) (nmmhc- a) partial	1				o	
myosin-binding protein slow-type-like	1		o			
myotilin	1		o			
myotubularin	1		o			
myotubularin 1	1		o			
myotubularin related protein 6	1		o			
myotubularin-related protein 3	1		o			
myotubularin-related protein 3-like	1				o	
myst histone acetyltransferase (monocytic leukemia) 4	1		o			
n -acetyltransferase auxiliary subunit	1			o		
na+ k+ alpha polypeptide	1				o	
na+ k+ beta 2 polypeptide	1				o	
na+ k+ beta 2b polypeptide	1				o	
n-acetyl-d-glucosamine kinase	1					o
n-acetylgalactosamine kinase	1					o
n-acetylglucosamine-1-phosphotransferase subunit gamma precursor	1		o			
n-acetylglucosamine-6-sulfatase precursor	1				o	
n-acetylglucosaminyltransferase i	1		o			
n-acetylglutamate synthase	1		o			
n-acetylneuraminate pyruvate lyase- partial	1		o			
n-acetyltransferase 13	1					o
n-acetyltransferase 14	1					o
n-acetyltransferase 8-like protein	1				o	
n-acylsphingosine amidohydrolase	1			o		
nad -dependent steroid dehydrogenase-like	1				o	
nad h quinone 1	1		o			
nad-dependent adp-ribosyltransferase sirtuin-4	1		o			

nad-dependent adp-ribosyltransferase sirtuin-4-like	1			o		
nad-dependent deacetylase sirtuin-mitochondrial-like	1			o		
nad-dependent deacetylase sirtuin-2	1	o				
nad-dependent deacetylase sirtuin-6	1		o			
nadh dehydrogenase 1 alpha assembly factor 1	1	o				
nadh dehydrogenase 1 alpha subcomplex subunit 2	1		o			
nadh dehydrogenase fe-s protein 2	1					o
nadh dehydrogenase fe-s protein 49kda (nadh-coenzyme q reductase)	1			o		
nadh dehydrogenase fe-s protein isoform cra_a	1	o				
nadh dehydrogenase iron-sulfur protein 7	1		o			
nadh-ubiquinone oxidoreductase 75 kda mitochondrial-like isoform 2	1			o		
nadp-dependent malic mitochondrial precursor	1		o			
nadph:adrenodoxin mitochondrial-like	1		o			
n-alpha-acetyltransferase catalytic subunit-like	1				o	
nanos homolog 1	1	o				
narg2 protein	1			o		
nascent polypeptide-associated complex subunit alpha isoform a	1	o				
nat12 protein	1	o				
natriuretic peptide receptor 2	1			o		
ncl protein	1					o
ncln protein	1				o	
ndrg family member 2	1	o				
ndrg family member 3	1		o			
ndrg family member 4	1				o	
nebulin isoform 1	1	o				
nebulin-related-anchoring protein	1		o			
necap endocytosis associated 2	1		o			
nedd4-binding protein 1-like	1	o				
negative elongation factor b	1					o
negative elongation factor d	1					o
nel-like 2	1				o	
nemo-like kinase	1	o				
neogenin isoform 1	1			o		
neogenin- partial	1		o			
neoverrucotoxin subunit beta-like	1				o	
neprilysin	1	o				
n-ethylmaleimide-sensitive factor	1		o			
n-ethylmaleimide-sensitive factor attachment gamma	1		o			
netrin 1	1	o				
netrin 1a	1	o				
netrin-4-like	1					o
neudesin precursor	1			o		
neural adhesion molecule	1				o	
neural cell adhesion molecule 1	1				o	
neural cell adhesion molecule 1 isoform 2	1					o
neural cell adhesion molecule 1 precursor	1					o
neural differentiation and 1	1				o	
neural wiskott-aldrich syndrome protein	1			o		
neural-cadherin-like	1				o	

neuregulin 1 variant iv-beta 1a	1			0	
neurexin 1 beta	1			0	
neurexin 3	1				0
neurexin 3a alpha	1			0	
neurexin 3a- partial	1				0
neurexin iii-alpha	1			0	
neurexin-1-alpha isoform 2	1			0	
neurexin-1-alpha-like isoform 2	1			0	
neurexin-3-alpha isoform 2	1				0
neurexophilin 1	1				0
neurexophilin 2	1		0		
neuritin 1-like	1				0
neurobeachin isoform 2	1			0	
neuroblastoma suppressor of tumorigenicity 1 precursor	1		0		
neuroepithelial cell transforming 1	1			0	
neurofascin isoform 4 precursor	1			0	
neurofibromin 1	1		0		
neurogenic differentiation factor 1	1				0
neurogenic locus notch homolog protein 2-like	1			0	
neuroigin 3a	1			0	
neuroigin 4a	1			0	
neurolin-like cell adhesion molecule	1		0		
neuromedin b	1		0		
neuronal acetylcholine receptor subunit alpha-2-like	1				0
neuronal acetylcholine receptor subunit alpha-4	1	0			
neuronal cell adhesion molecule	1			0	
neuronal cell adhesion molecule isoform 1	1		0		
neuronal membrane glycoprotein m6-b isoform 1	1	0			
neuronal nitric oxide synthase	1			0	
neuronal pentraxin ii precursor (np-ii) (neuronal activity-regulated pentraxin)	1	0			
neuronal pentraxin-like protein c16orf38-like	1	0			
neuro-oncological ventral antigen 1	1			0	
neuropeptide y peptide yy receptor yb	1				0
neuropeptide y receptor type 2-like	1			0	
neuropeptide y receptor type 6 (npy6-r) (pancreatic polypeptide receptor 2)	1	0			
neuropeptide-like protein c4orf48 homolog	1				0
neuropilin and tolloid-like protein 2	1				0
neuropilin-2 precursor	1			0	
neuroserpin	1				0
neurotrophic tyrosine type 3 isoform 1	1		0		
neurotrophic tyrosine type 3 isoform 2	1				0
neutral sphingomyelinase (n-smase) activation associated factor	1		0		
nfatc2ip protein	1				0
nf-kappa-b inhibitor-interacting ras-like protein 2	1	0			
nf-kappab repressing factor	1	0			
nf-kappa-b-activating protein	1			0	
nfkb activating protein	1		0		
nfkb inhibitor interacting ras-like 2	1	0			
nfx1-type zinc finger-containing protein 1	1		0		
ngdn protein	1		0		
n-glycosylase dna lyase	1	0			
NHE8 [Takifugu obscurus]	1			0	

nibrin	1	o						
nicastrin	1	o						
nicotinamide nucleotide adenylyltransferase 3	1	o						
nicotinamide riboside kinase 1	1		o					
nicotinate phosphoribosyltransferase-like protein	1		o					
niemann-pick type c1	1		o					
nilt1 leukocyte receptor-like	1	o						
nilt2 leukocyte receptor	1	o						
nima (never in mitosis gene a)-related kinase 3	1			o				
nima (never in mitosis gene a)-related kinase 6	1	o						
nima-related kinase 8	1					o		
nima-related kinase 8-like	1	o						
nipa-like domain containing 2	1						o	
nipa-like protein 3-like	1							o
nipsnap homolog 3a (elegans)	1		o					
nipsnap homolog 3b (elegans)	1		o					
nitric oxide synthase 1 adaptor protein	1	o						
nitrilase 1	1		o					
nitrogen fixation protein	1							o
nk2 homeobox 1a	1					o		
nlr card domain containing 3	1	o						
nlr pyrin domain containing 12	1			o				
nlr pyrin domain containing 6-like	1	o						
n-lysine methyltransferase setd8-like	1				o			
nmda receptor nr2c subunit	1					o		
n-methyl-d-aspartate receptor	1						o	
n-methyl-d-aspartate receptor-associated isoform c	1			o				
n-myc downstream regulated gene 4	1						o	
nodal modulator 1	1						o	
noggin 4	1	o						
no11 nop2 sun domain member 4	1				o			
no11 nop2 sun domain member 6	1		o					
non imprinted in prader-willi angelman syndrome 2	1		o					
non-erythrocytic 4	1						o	
non-metastatic cells protein expressed in (nucleoside-diphosphate kinase)	1	o						
non-muscle caldesmon-like	1				o			
non-smc condensin i subunit h	1	o						
non-smc condensin ii subunit d3	1		o					
nonspecific cytotoxic cell receptor protein 1	1							o
non-structural maintenance of chromosomes element 4 homolog a	1	o						
nonstructural replicase	1				o			
nop14 nucleolar protein homolog	1	o						
nop16 nucleolar protein homolog	1						o	
notch 1	1	o						
notch homolog 2	1	o						
notch homolog translocation-associated	1	o						
notch homologue 3	1	o						
notch signaling pathway homolog family member (nsh-1)-like	1	o						
notchless protein homolog 1	1				o			
novel 7 transmembrane receptor (metabotropic glutamate family) protein	1			o				
novel calcium activated pottassium channel protein	1							o
novel immune-type receptor 1	1						o	

novel immune-type receptor 17	1	o				
novel immune-type receptor 2	1	o				
novel immune-type receptor 4	1	o				
novel immune-type receptor allele 4	1	o				
novel immunoglobulin i-set domain containing protein	1	o				
novel lectin c-type domain containing partial	1	o				
novel pentaxin family domain containing protein	1		o			
novel protein (wu:fd18f09)	1	o				
novel protein (zgc:111954)	1	o				
novel protein (zgc:113360)	1			o		
novel protein (zgc:152873)	1					o
novel protein (zgc:153058)	1			o		
novel protein (zgc:55292)	1	o				
novel protein (zgc:55390)	1	o				
novel protein (zgc:55794)	1	o				
novel protein (zgc:63021)	1				o	
novel protein (zgc:65774)	1		o			
novel protein (zgc:86860)	1			o		
novel protein (zgc:92107)	1	o				
novel protein (zgc:92789)	1				o	
novel protein (zgc:92854)	1					o
novel protein (zgc:92871)	1		o			
novel protein ankyrin repeat domain 47	1	o				
novel protein beta-carotene oxygenase 2a	1		o			
novel protein choline kinase family protein	1					o
novel protein chromosome 1 open reading frame 156	1	o				
novel protein cmrf-35-like molecule 3	1	o				
novel protein containing a b-box zinc finger domain	1			o		
novel protein containing a trypsin domain	1	o				
novel protein containing an inosine-uridine preferring nucleoside hydrolase domain	1		o			
novel protein containing immunoglobulin domains	1	o				
novel protein containing multiple sushi domains (scr repeat)	1					o
novel protein containing six wd40 domains at c-terminus	1					o
novel protein containing trypsin domains	1	o				
novel protein denn madd domain containing 2d (zgc:153628)	1		o			
novel protein gamma family	1					o
novel protein gpi-anchored membrane protein 1 (zgc:55902)	1				o	
novel protein hairy-related ()	1				o	
novel protein hira interacting protein 5 (zgc:110319)	1					o
novel protein human and mouse btb domain containing 3	1					o
novel protein human and mouse caseinolytic atp- proteolytic subunit homolog (coli)	1					o
novel protein human and mouse par-3 partitioning defective 3 homolog b (elegans)	1	o				
novel protein human and mouse sidekick homolog 1	1				o	
novel protein human and mouse type domain containing 7b	1	o				

novel protein human ca2+ dependent activator protein for secretion	1			o
novel protein human heterogeneous nuclear ribonucleoprotein c (c1 c2)	1		o	
novel protein human matrin 3	1		o	
novel protein human solute carrier family sodium borate member 11	1		o	
novel protein immunoglobulin member 10	1		o	
novel protein lim domain 7 (zgc:152922)	1			o
novel protein opsin 5	1		o	
novel protein patatin-like phospholipase domain containing 6	1			o
novel protein phosphatase and actin regulator 3 (zgc:109967)	1			o
novel protein solute carrier family member 5	1		o	
novel protein tripartite motif-containing	1		o	
novel protein type i enveloping layer	1		o	
novel protein upstream binding transcription rna polymerase i (zgc:63557)	1		o	
novel protein vertebrate abc1 activity of bcl complex like (pombe)	1		o	
novel protein vertebrate adenylate cyclase family	1			o
novel protein vertebrate amyloid beta precursor-like protein 2	1			o
novel protein vertebrate ankyrin repeat domain 12	1		o	
novel protein vertebrate ataxin 1	1			o
novel protein vertebrate atp-binding sub-family f member 1	1		o	
novel protein vertebrate beta a1	1			o
novel protein vertebrate breast cancer anti-estrogen resistance 3	1		o	
novel protein vertebrate cadherin h-cadherin	1			o
novel protein vertebrate calcium voltage- beta 4 subunit (zgc:136550)	1			o
novel protein vertebrate capicua homolog	1			o
novel protein vertebrate chondroitin sulfate proteoglycan family	1			o
novel protein vertebrate cytoplasmic linker associated protein 1	1			o
novel protein vertebrate deltex 3 homolog	1		o	
novel protein vertebrate desmuslin	1		o	
novel protein vertebrate dipeptidyl-peptidase 6	1			o
novel protein vertebrate doublecortin and kinase-like 2	1			o
novel protein vertebrate egf-like repeats and discoidin i-like domains 3	1			o
novel protein vertebrate erythrocyte membrane protein band (elliptocytosis rh-linked)	1		o	
novel protein vertebrate fraser syndrome 1 homolog	1		o	
novel protein vertebrate fuse-binding protein-interacting repressor	1			o
novel protein vertebrate gliacolin	1		o	
novel protein vertebrate imp (inosine monophosphate) dehydrogenase 1	1		o	

novel protein vertebrate iq motif containing gtpase activating protein 2	1	o		
novel protein vertebrate kinase	1			o
novel protein vertebrate kinesin family member 1 family	1			o
novel protein vertebrate kinesin family member 2c	1	o		
novel protein vertebrate myelin transcription factor 1	1		o	
novel protein vertebrate myeloid lymphoid or mixed-lineage leukemia (trithorax drosophila)	1	o		
novel protein vertebrate myosin va (heavy polypeptide myoxin)	1			o
novel protein vertebrate nephronectin	1	o		
novel protein vertebrate neuroepithelial cell transforming gene 1	1	o		
novel protein vertebrate nuclear factor i c (ccaat-binding transcription factor)	1	o		
novel protein vertebrate odd oz ten-m homolog 2	1			o
novel protein vertebrate p66 alpha protein	1		o	
novel protein vertebrate ptaire protein kinase 2	1	o		
novel protein vertebrate peroxisomal membrane protein 22kda	1	o		
novel protein vertebrate pest proteolytic signal containing nuclear protein (zgc:103440)	1	o		
novel protein vertebrate phermone receptor protein	1	o		
novel protein vertebrate phosphatidylinositol binding clathrin assembly protein	1	o		
novel protein vertebrate phosphoinositide-3-class alpha polypeptide	1			o
novel protein vertebrate pleckstrin homology domain family a (phosphoinositide binding specific) member 4	1			o
novel protein vertebrate poly binding protein 3 (zgc:109966)	1			o
novel protein vertebrate polymerase (dna directed) kappa	1	o		
novel protein vertebrate potassium voltage-gated kqt-like member 2	1			o
novel protein vertebrate protein tyrosine receptor d (zgc:165626)	1			o
novel protein vertebrate protein tyrosine receptor f	1	o		
novel protein vertebrate ptpf interacting binding protein 1 (liprin beta 1)	1	o		
novel protein vertebrate r3h domain containing 1	1	o		
novel protein vertebrate rab6-interacting protein 2	1			o
novel protein vertebrate sh3 domain and tetratricopeptide repeats 1	1	o		
novel protein vertebrate sialidase 1 (lysosomal sialidase)	1	o		
novel protein vertebrate solute (neurotransmitter betaine gaba) family 6	1	o		

novel protein vertebrate solute carrier family 6 (neurotransmitter transporter) member 15	1	o				
novel protein vertebrate solute carrier organic anion transporter family protein	1		o			
novel protein vertebrate ste20-like kinase	1	o				
novel protein vertebrate supervillin	1	o				
novel protein vertebrate titin	1			o		
novel protein vertebrate tumor necrosis factor receptor member 19-like	1					o
novel protein vertebrate ubiquitin- homolog (xenopus laevis)	1	o				
novel protein vertebrate valosin-containing protein	1	o				
novel protein vertebrate valosin-containing protein (zgc:136908)	1	o				
novel protein vertebrate wd repeat domain 44	1					o
novel protein vertebrate zinc finger protein 644	1					o
novel protein with immunoglobulin v-set andcd80-like c2-set immunoglobulin domains (zgc:172122)	1					o
novel protein with lectin c-type domains	1				o	
novel sulfotransferase family protein	1		o			
novel transposon	1	o				
nsfl1 cofactor	1					o
nsfl1 cofactor p47-like isoform 2	1		o			
nsfl1c protein	1	o				
nt-3 growth factor receptor- partial	1					o
n-terminal ef-hand calcium binding protein 1	1				o	
n-terminal ef-hand calcium-binding protein 2	1					o
n-terminal ef-hand calcium-binding protein 2-like	1					o
nuclear body protein sp140-like	1					o
nuclear cap binding protein subunit 20kda	1			o		
nuclear cap-binding protein subunit 1	1		o			
nuclear cap-binding protein subunit 2	1				o	
nuclear distribution protein nude homolog 1	1	o				
nuclear distribution protein nude-like 1	1	o				
nuclear distribution protein nude-like 1-b-like	1				o	
nuclear export mediator factor nemf-like	1				o	
nuclear factor 1 b-type-like	1					o
nuclear factor i a	1					o
nuclear factor i b	1	o				
nuclear factor i c	1	o				
nuclear factor i x (ccaat-binding transcription factor)	1				o	
nuclear factor nf-kappa-b p100 subunit	1	o				
nuclear factor of activated t- calcineurin-dependent 1	1	o				
nuclear factor of activated t- calcineurin-dependent 2 interacting protein	1	o				
nuclear factor of activated t-cells 5-like	1					o
nuclear factor of activated t-cells tonicity-responsive	1	o				
nuclear factor of kappa light polypeptide gene enhancer in b-cells inhibitor-like 1	1	o				
nuclear factor of kappa light polypeptide gene enhancer in b-cells inhibitor-like 2	1	o				
nuclear factor ovary-like	1				o	

nuclear factor related to kappa b binding protein	1	o				
nuclear factor related to kappab binding protein	1	o				
nuclear fragile x mental retardation protein interacting protein 2	1	o				
nuclear interleukin 3 regulated	1	o				
nuclear migration protein nudc-like	1					o
nuclear mitotic apparatus protein	1	o				
nuclear oncoprotein skia	1	o				
nuclear pore complex protein nup155	1		o			
nuclear pore complex protein nup85	1	o				
nuclear pore complex protein nup88	1					o
nuclear protein localization 4 homolog (cerevisiae)	1	o				
nuclear protein localization protein 4 homolog	1					o
nuclear receptor 2c2-associated protein	1			o		
nuclear receptor binding protein 1	1	o				
nuclear receptor binding set domain protein 1a	1	o				
nuclear receptor coactivator 2	1	o				
nuclear receptor coactivator 6-like	1					o
nuclear receptor coactivator 7	1			o		
nuclear receptor co-repressor 1 isoform 1	1	o				
nuclear receptor co-repressor 2	1	o				
nuclear receptor co-repressor isoform cra_b	1	o				
nuclear receptor interacting protein 1	1	o				
nuclear receptor subfamily 1 group d member 1	1		o			
nuclear receptor subfamily 1 group d member 2	1				o	
nuclear receptor subfamily 2 group c member 1	1	o				
nuclear receptor subfamily group member 1b	1		o			
nuclear receptor subfamily group member 3	1		o			
nuclear receptor subfamily group member 4	1		o			
nuclear receptor subfamily group member 5	1		o			
nuclear transcription factor gamma	1	o				
nuclear transcription x-box binding-like 1	1				o	
nuclear transport factor 2-like export factor 2	1	o				
nuclear undecaprenyl pyrophosphate synthase 1 homolog (cerevisiae)	1		o			
nuclear-interacting partner of alk nucleobindin 1	1	o				
nucleolar and spindle-associated protein 1	1			o		
nucleolar complex associated 3 homolog	1				o	
nucleolar complex protein 3 homolog	1					o
nucleolar protein 27kda	1		o			
nucleolar protein 5	1				o	
nucleoporin 107kda	1		o			
nucleoporin 133kda	1					o
nucleoporin 155	1	o				
nucleoporin 160kda	1		o			
nucleoporin 214kda	1		o			
nucleoporin 88kda	1	o				
nucleoporin gle1	1	o				
nucleoporin nup188 homolog	1					o
nucleoporin p58 p45	1				o	
nucleoside-triphosphatase c1orf57	1			o		
nucleosomal binding protein 1	1	o				

nucleosome-remodeling factor subunit bptf-like	1	o							
nucleotide binding	1	o							
nucleotide exchange factor sil1 precursor	1				o				
nucleotidyl transferase	1		o						
nudix (nucleoside diphosphate linked moiety x)-type motif 12	1		o						
nudix (nucleoside diphosphate linked moiety x)-type motif 19	1	o							
nudix-type motif 13	1		o						
nur77 downstream protein 2 variant 1	1		o						
nusap1 protein	1	o							
o-acyltransferase (membrane bound) domain containing 2	1	o							
occludin	1		o						
octopamine receptor oamb	1		o						
odd oz ten-m homolog 4	1							o	
odd-skipped related 1	1						o		
odorant receptor	1				o				
ogdh protein	1	o							
olf-1 ebf-like-2 transcription factor	1	o							
olfactomedin 1	1	o							
olfactomedin related er localized	1	o							
olfactomedin-like 1	1	o							
olfactomedin-like 2a	1	o							
olfactomedin-like 3	1	o							
oligonucleotide oligosaccharide-binding fold containing 1	1	o							
oligophrenin 1	1								o
o-linked n-acetyl glucosamine transferase	1	o							
oncoprotein-induced transcript 3	1		o						
oogenesis-related protein	1				o				
o-phosphoserine-tRNA selenium transferase	1				o				
orf msv234 hypothetical protein	1							o	
orf61 protein	1		o						
organic anion transporting polypeptide 1c1	1		o						
organic solute transporter beta isoform 2	1		o						
origin recognition complex subunit 3	1								o
origin recognition complex subunit 3 protein	1							o	
origin recognition complex subunit 3-like (cerevisiae)	1							o	
origin recognition complex subunit 3-like isoform 1	1							o	
origin recognition complex subunit 4	1				o				
origin recognition complex subunit 5	1		o						
origin recognition subunit 1-like	1		o						
origin recognition subunit 3-like	1	o							
orm1-like protein 3	1	o							
ornithine decarboxylase 1	1							o	
ornithine mitochondrial	1								o
orphan sodium- and chloride-dependent neurotransmitter transporter ntt4	1							o	
orphan transporter short splicing variant	1				o				
o-sialoglycoprotein endopeptidase	1	o							
otogelin-like	1	o							
otopetrin 2	1								o
otospiralin	1	o							
otu domain containing 1	1	o							
otu domain containing 4	1	o							
otu domain containing 7a	1				o				

otu domain-containing protein 3	1								0
otu domain-containing protein 7a-like	1						0		
otu ubiquitin aldehyde binding 2	1			0					
otud7b protein	1	0							
outer membrane efflux protein	1							0	
ovary-specific c1q-like factor	1		0						
ovary-specific mob-like protein	1	0							
oxa11 protein	1						0		
oxidation resistance 1-like	1							0	
oxidation resistance protein 1-like	1						0		
oxidoreductase nad-binding domain-containing protein 1	1						0		
oxr1 protein	1						0		
oxysterol binding 11	1	0							
oxysterol binding protein 2	1		0						
oxysterol-binding protein 3 isoform 4	1							0	
p21 -activated kinase 7	1	0							
p2x purinoceptor 3	1								0
p2y purinoceptor 14-like	1					0			
p65 transcription factor	1			0					
p67phox [Siniperca chuatsi]	1							0	
p76 protein	1	0							
paf acetylhydrolase 29 kda subunit	1	0							
paired amphipathic helix protein sin3b	1								0
paired-like homeodomain transcription factor 2beta	1	0							
pak1 interacting protein 1	1	0							
pak-interacting exchange factor beta-like	1		0						
palmitoyl-protein thioesterase 1	1		0						
palmitoyltransferase zdhhc17	1						0		
palmitoyltransferase zdhhc9	1						0		
pancreatic lipase-related protein 1	1	0							
pancreatic progenitor cell differentiation and proliferation factor-like	1					0			
pancreatic secretory granule membrane major glycoprotein gp2-like	1	0							
pap associated domain containing 1-like	1							0	
papain-like cysteine prorease	1		0						
papillary renal cell carcinoma (translocation-associated)	1	0							
par-3 partitioning defective 3 homolog b (elegans)	1	0							
parafibromin	1					0			
para-hydroxybenzoate-- mitochondrial precursor	1	0							
parapinopsin	1		0						
paraplegin (spastic paraplegia protein 7)	1		0						
parkinson disease 7 domain-containing protein 1-like	1	0							
paroxysmal nonkinesiogenic dyskinesia	1							0	
partner of y14 and mago	1							0	
parva protein	1			0					
pas domain-containing serine threonine-protein kinase	1					0			
patatin-like phospholipase domain containing 7	1		0						
paxillin	1	0							
paxip1-associated protein 1	1	0							
pb1 protein	1	0							
pbx knotted 1 homeobox 2	1	0							

pcdh12 protein	1	o			
pcdh1a3 protein	1				o
pcdh2g16 protein	1				o
pclo protein	1	o			
pcna-associated factor	1		o		
pctp-like protein	1		o		
pdgf associated protein	1			o	
pdz and lim domain 5 isoform 2	1	o			
pdz and lim domain protein 1-like	1				o
pdz and lim domain protein 2	1	o			
pdz domain containing 11	1	o			
pdz domain-containing protein 11	1				o
pdz domain-containing protein gipc1	1			o	
pecanex-like 3	1				o
pecanex-like protein 1	1				o
pelota homolog	1	o			
pentatricopeptide repeat domain 1	1				o
pentraxin-related rapidly induced by il-1 beta	1	o			
pepsinogen a2 precursor	1		o		
peptidase m20 domain containing 1	1				o
peptidase s1 family protein	1			o	
peptide deformylase-like	1	o			
peptide-n4-n-acetyl-beta-glucosaminylasparagine amidase	1	o			
peptidoglycan- domain containing 3	1			o	
peptidyl arginine type ii	1	o			
peptidyl prolyl isomerase h	1				o
peptidylarginine deiminase type iv	1	o			
peptidylglycine alpha-amidating monoxygenase	1			o	
peptidyl-glycine alpha-amidating monoxygenase a precursor	1	o			
peptidyl-prolyl cis-trans isomerase c-like	1				o
peptidyl-prolyl cis-trans isomerase fkbp10	1				o
peptidyl-prolyl cis-trans isomerase fkbp3-like	1				o
peptidyl-prolyl cis-trans isomerase fkbp6-like	1			o	
peptidyl-prolyl cis-trans isomerase g	1				o
peptidyl-prolyl cis-trans isomerase mitochondrial-like	1				o
peptidyl-prolyl cis-trans isomerase-like 1	1			o	
peptidylprolyl isomerase	1		o		
peptidylprolyl isomerase c (cyclophilin c)	1	o			
peptidylprolyl isomerase d	1	o			
peptidylprolyl isomerase h (cyclophilin h)	1				o
peptidylprolyl isomerase -like 1	1	o			
peptidylprolyl isomerase-like 2	1		o		
peptidyl-trna hydrolase	1	o			
peptidyl-trna hydrolase mitochondrial	1		o		
perforin 1	1				o
perforin-1-like	1	o			
pericentrin 2	1		o		
pericentriolar material 1	1				o
pericentriolar material 1 protein	1				o
period 1	1	o			
peroxidasin homolog	1	o			
peroxiredoxin 2	1			o	
peroxiredoxin 3	1	o			
peroxisomal 3-ketoacyl- thiolase a	1		o		

peroxisomal bifunctional enzyme	1		o				
peroxisomal biogenesis factor 11a	1		o				
peroxisomal biogenesis factor 16	1	o					
peroxisomal biogenesis factor 3	1						o
peroxisomal biogenesis factor 6	1	o					
peroxisomal carnitine o-octanoyltransferase	1		o				
peroxisomal coenzyme a diphosphatase nudt7	1		o				
peroxisomal membrane protein 11c-like	1				o		
peroxisomal membrane protein 4-like	1						o
peroxisomal -trans-enoyl- isomerase-like	1		o				
peroxisome assembly protein 12-like	1				o		
peroxisome proliferator-activated receptor alpha	1	o					
peroxisome proliferator-activated receptor coactivator-related 1	1			o			
peroxisome proliferator-activated receptor gamma coactivator-related protein 1-like	1				o		
pest proteolytic signal-containing nuclear	1						o
ph domain containing protein	1	o					
phage protein	1				o		
phd finger protein 10	1	o					
phd finger protein 13	1					o	
phd finger protein 2	1	o					
phd finger protein 8	1	o					
phd finger-like domain-containing protein 5a	1		o				
phenylalanyl-trna beta subunit	1			o			
phf3 protein	1	o					
phosducin-like	1						o
phosphatase 1 regulatory subunit 14b	1						o
phosphatase and actin regulator 1-like	1						o
phosphatase and tensin homolog	1	o					
phosphatidate phosphatase lpin2	1					o	
phosphatidate phosphatase ppapdc1b	1			o			
phosphatidic acid phosphatase type 2 domain containing 3	1	o					
phosphatidic acid phosphatase type 2a	1	o					
phosphatidylcholine:ceramide cholinephosphotransferase 1	1		o				
phosphatidylethanolamine-binding protein 1	1					o	
phosphatidylinositol phosphatase sac1	1	o					
phosphatidylinositol 3 regulatory polypeptide 3	1						o
phosphatidylinositol 3-kinase regulatory subunit beta	1	o					
phosphatidylinositol 4- alpha polypeptide	1		o				
phosphatidylinositol 4- beta	1	o					
phosphatidylinositol- -bisphosphate 3-kinase catalytic subunit beta isoform	1		o				
phosphatidylinositol glycan anchor class s	1	o					
phosphatidylinositol transfer alpha	1					o	
phosphatidylinositol transfer beta	1					o	
phosphatidylinositol transfer protein beta isoform-like	1				o		
phosphatidylinositol- -trisphosphate-dependent rac exchange factor 1	1					o	
phosphatidylinositol -trisphosphate-dependent rac exchanger 1	1					o	
phosphatidylinositol-3-phosphate	1					o	
phosphatidylinositol 5- type iii	1					o	

phosphatidylinositol-4-phosphate 3-kinase c2 domain-containing subunit alpha	1	0		
phosphatidylinositol-4-phosphate 5- type gamma	1		0	
phosphatidylinositol-5-phosphate 4-kinase type-2 beta	1			0
phosphatidylinositol-5-phosphate 4-kinase type-2 gamma	1	0		
phosphatidylinositol-glycan biosynthesis class w protein	1	0		
phosphatidylserine synthase 1	1			0
phosphodiesterase camp-specific (phosphodiesterase e4 dunce drosophila)	1		0	
phosphoenolpyruvate cytosolic	1	0		
phosphofurin acidic cluster sorting protein 1	1		0	
phosphoglucomutase-1-like isoform 2	1	0		
phosphoinositide-3- regulatory polypeptide 3 (gamma)	1	0		
phosphoinositide-3- regulatory subunit 1 (p85 alpha)	1		0	
phosphoinositide-3-kinase-interacting protein 1 precursor	1	0		
phospholamban	1	0		
phospholipase a2 precursor	1		0	
phospholipase beta 4	1		0	
phospholipase d member 4	1	0		
phospholipase d member 5	1			0
phospholipase d1b	1	0		
phospholipase delta 3	1	0		
phospholipase group vii (platelet-activating factor plasma)	1	0		
phospholipid scramblase 3	1			0
phospholipid-hydroperoxide glutathione peroxidase	1		0	
phosphopantothenoylcysteine synthetase	1		0	
phosphoribosyl pyrophosphate synthetase 2	1		0	
phosphoribosyl transferase domain containing 1	1	0		
phosphorylase alpha 2	1			0
phosphorylase b kinase gamma catalytic testis liver isoform	1			0
phosphorylase b kinase regulatory subunit beta	1	0		
phosphorylase gamma 1	1	0		
phosphorylase gamma 2	1		0	
phosphorylase kinase alpha 1	1	0		
phosphoserine aminotransferase	1			0
phosphoseryl-trna kinase	1		0	
photoreceptor cadherin	1	0		
phthioceranic hydroxyphthioceranic acid synthase-like	1			0
phyhd1 protein	1			0
phytanoyl- dioxygenase	1		0	
phytanoyl- dioxygenase domain containing 1	1			0
phytanoyl- dioxygenase domain-containing protein 1	1	0		
phytanoyl- hydroxylase-interacting	1	0		
phytanoyl- peroxisomal precursor	1	0		
piggybac transposable element derived 1-like	1			0
piggybac transposable element derived 5	1			0

piggybac transposable element-derived protein 2-like isoform 1	1				o	
piggybac transposase	1				o	
piggybac transposase uribo2	1	o				
pih1 domain-containing protein 1	1	o				
pin2 terf1-interacting telomerase inhibitor 1-like	1				o	
piscidin-like peptide	1			o		
pith domain-containing protein 1	1		o			
pith domain-containing protein 1-like	1				o	
pitrilysin metalloproteinase 1	1	o				
piwi-like protein 2	1				o	
pla2g12b protein	1		o			
plac8-like 1	1	o				
plac8-like protein 1	1	o				
placental growth factor-like	1	o				
placenta-specific gene 8	1				o	
plakophilin 1	1	o				
plakophilin 3	1			o		
plakophilin 4 isoform 2	1		o			
plakophilin isoform 1	1				o	
plakophilin-4 isoform 1	1					o
plasma kallikrein precursor	1		o			
plasma membrane calcium atpase 1	1					o
plasma membrane calcium atpase 2 isoform 5	1					o
plasma membrane calcium-transporting atpase 2 isoform 2	1					o
plasminogen activator inhibitor 1 rna-binding	1					o
plasminogen activator inhibitor 1 rna-binding protein	1		o			
plastin 1 (i isoform)	1	o				
plastin 3 (t-isoform)	1		o			
plastin-1	1	o				
platelet endothelial cell adhesion molecule precursor	1					o
platelet glycoprotein ib alpha polypeptide	1	o				
platelet glycoprotein v-like	1	o				
platelet receptor gi24	1	o				
platelet-activating factor acetylhydrolase	1	o				
platelet-derived growth factor alpha polypeptide	1	o				
platelet-derived growth factor receptor alpha-like	1	o				
platelet-derived growth factor receptor-like	1	o				
pleckstrin and sec7 domain containing	1				o	
pleckstrin and sec7 domain containing 2	1		o			
pleckstrin homology domain family a (phosphoinositide binding specific) member 1	1	o				
pleckstrin homology domain family g (with ef domain) member 3	1		o			
pleckstrin homology domain family g (with ef domain) member 5	1		o			
pleckstrin homology domain family g (with ef domain) member 7	1		o			
pleckstrin homology domain-containing family a member 7	1		o			
pleckstrin homology domain-containing family g member 7	1				o	
pleckstrin homology domain-containing family h member 2-like	1		o			

pleckstrin homology domain-containing family o member 2	1	o			
pleckstrin homology sec7 and coiled-coil domains-binding protein	1	o			
pleckstrin homology-like domain family a member 2	1			o	
pleckstrin homology-like domain family b member 1	1			o	
pleckstrin homology-like domain family b member 1-like	1				o
pleckstrin homology-like domain family b member 2	1		o		
pleckstrin homology-like family member 1 isoform 1	1	o			
plectin 1	1				o
plectin 11 isoform 3	1	o			
plectin isoform 1f	1	o			
plenty of sh3s	1			o	
plexin a2	1				o
plexin domain-containing protein 1	1		o		
pms1 protein homolog 1	1				o
pneumococcal surface protein a	1	o			
podocalyxin-like protein 1-like	1	o			
pol polyprotein precursor	1		o		
poliovirus receptor	1	o			
poliovirus receptor related 2	1		o		
poliovirus receptor related-gene 1	1				o
poliovirus receptor-related 1	1		o		
poliovirus receptor-related 1 (herpesvirus entry mediator c)	1				o
poliovirus receptor-related protein 2-like	1			o	
poliovirus receptor-related protein 3-like	1		o		
poly (adp-ribose) polymerase member 11	1				o
poly (adp-ribose) polymerase member 14-like	1	o			
poly (adp-ribose) polymerase member 16	1		o		
poly (adp-ribose) polymerase member 2	1	o			
poly (adp-ribose) polymerase member 3	1	o			
poly (adp-ribose) polymerase member 9	1		o		
poly (adp-ribose) polymerase member isoform cra_a	1			o	
poly (adp-ribose) polymerase member isoform cra_b	1		o		
poly binding protein	1				o
poly -binding protein 4	1				o
poly binding protein interacting protein 2b	1		o		
poly binding protein isoform cra_b	1				o
poly polymerase 12	1		o		
poly -specific ribonuclease parn	1				o
poly(adp-ribose) glycohydrolase arh3	1		o		
polyadenylate-binding protein 1-like	1			o	
polyadenylate-binding protein-interacting protein 1	1			o	
polyadenylate-binding protein-interacting protein 1 isoform 2	1			o	
polyadenylate-binding protein-interacting protein 2	1	o			
polycomb group protein asxl2	1		o		
polycomb group ring finger protein 2	1				o
polycystic kidney disease 1-like	1		o		
polycystin 1	1	o			

polycystin-1- partial	1		o	
polyhomeotic 1-like isoform 1	1	o		
polyhomeotic-like protein 3	1			o
polymerase (dna directed) epsilon 3 (p17 subunit)	1	o		
polymerase delta-interacting protein 3	1		o	
polymerase delta-interacting protein 3-like	1			o
polymerase ii (dna directed) polypeptide a isoform 1	1	o		
polymerase ii (dna directed) polypeptide h	1			o
polymerase iii (dna directed) polypeptide e	1	o		
polymerase polyprotein	1	o		
polymorphic epithelial mucin	1		o	
polypeptide n-acetylgalactosaminyltransferase 11	1			o
polypeptide n-acetylgalactosaminyltransferase 13	1			o
polypeptide n-acetylgalactosaminyltransferase 5	1	o		
polypeptide n-acetylgalactosaminyltransferase 8-like	1	o		
polyphosphoinositide phosphatase	1			o
polypyrimidine tract binding protein 1a	1		o	
polypyrimidine tract-binding protein 2	1			o
polyubiquitin precursor	1			o
polyunsaturated fatty acid elongase	1	o		
possible sd repeat-containing cell surface protein precursor	1	o		
postreplication repair e3 ubiquitin-protein ligase rad18	1	o		
potassium channel kiaa0027	1			o
potassium channel modulatory factor 1	1	o		
potassium channel tetramerisation domain containing 10	1	o		
potassium channel tetramerisation domain containing 12	1	o		
potassium channel tetramerisation domain containing 4	1			o
potassium channel tetramerisation domain containing 6	1		o	
potassium channel tetramerisation domain containing 7	1	o		
potassium intermediate small conductance calcium-activated subfamily member 1	1			o
potassium inwardly-rectifying subfamily member 10	1			o
potassium inwardly-rectifying subfamily member 5	1			o
potassium inwardly-rectifying subfamily member 6	1			o
potassium subfamily member 5	1	o		
potassium voltage-gated channel subfamily a member 1-like	1			o
potassium voltage-gated channel subfamily a member 2-like	1	o		
potassium voltage-gated channel subfamily a member 4	1			o
potassium voltage-gated channel subfamily c member 1	1			o

potassium voltage-gated channel subfamily c member 1-like	1			o	
potassium voltage-gated channel subfamily d member 2	1			o	
potassium voltage-gated channel subfamily e member 4	1	o			
potassium voltage-gated channel subfamily g member 2-like	1				o
potassium voltage-gated shaker-related member 7	1	o			
potassium voltage-gated subfamily h (eag-related) member 4	1	o			
potassium voltage-gated subfamily member 2-like	1		o		
potential cell surface flocculin	1			o	
potential nuclear localization sequence binding protein nsr1p	1	o			
potential trna (adenine-n -)-methyltransferase catalytic subunit trmt61b-like	1		o		
pou class transcription factor 2	1			o	
pp2a b subunit pr74	1	o			
ppar-alpha interacting complex protein 285	1	o			
ppm1b protein	1				o
ppp1r12a protein	1			o	
ppp1r13b protein	1	o			
ppp1r3a protein	1	o			
pppde peptidase domain containing 2	1	o			
pq loop repeat containing 2	1		o		
pq loop repeat-containing protein 3 precursor	1			o	
pq-loop repeat-containing protein 1-like isoform 1	1			o	
pq-loop repeat-containing protein 2-like	1				o
pr gag-pro-pol	1				o
prdx-deacylase domain-containing protein 1	1		o		
pre-b-cell leukemia homeobox 1	1			o	
pre-b-cell leukemia transcription factor 1	1	o			
pre-b-cell leukemia transcription factor 2	1	o			
PREDICTED: im:7149048 [Danio rerio]	1	o			
PREDICTED: neurexin-2-alpha-like [Oreochromis niloticus]	1				o
PREDICTED: nibrin-like [Oreochromis niloticus]	1		o		
PREDICTED: obscurin-like [Oreochromis niloticus]	1		o		
PREDICTED: pericentrin [Danio rerio]	1	o			
PREDICTED: phenylalanine-4-hydroxylase-like [Ailuropoda melanoleuca]	1	o			
PREDICTED: pyrin-like [Ailuropoda melanoleuca]	1		o		
PREDICTED: radixin-like [Danio rerio]	1			o	
PREDICTED: RW1 protein-like [Danio rerio]	1	o			
PREDICTED: sb:cb1045 [Danio rerio]	1	o			
PREDICTED: sc:d0383 [Danio rerio]	1			o	
PREDICTED: secretogranin-2-like [Oreochromis niloticus]	1				o
PREDICTED: si:dkey-65j6.2 [Danio rerio]	1	o			
PREDICTED: si:rp71-1p14.5 [Danio rerio]	1	o			
PREDICTED: similar to CG2083-PA [Canis familiaris]	1				o

PREDICTED: similar to chaperonin [Strongylocentrotus purpuratus]	1	o		
PREDICTED: similar to conserved hypothetical protein [Hydra magnipapillata]	1	o		
PREDICTED: similar to conserved hypothetical protein, partial [Nasonia vitripennis]	1	o		
PREDICTED: similar to ENSANGP00000024626 [Nasonia vitripennis]	1			o
PREDICTED: similar to KIAA0404 [Pan troglodytes]	1	o		
PREDICTED: similar to paralemmin-3 [Ornithorhynchus anatinus]	1		o	
PREDICTED: similar to ReO_6 [Strongylocentrotus purpuratus]	1		o	
PREDICTED: STIM2 protein-like [Danio rerio]	1	o		
PREDICTED: syntaphilin-like [Danio rerio]	1			o
PREDICTED: tetraspanin-5-like [Oreochromis niloticus]	1		o	
PREDICTED: thioredoxin-interacting protein-like [Oreochromis niloticus]	1		o	
PREDICTED: TTC3 protein-like [Danio rerio]	1	o		
PREDICTED: uncharacterized protein K02A2.6-like [Oreochromis niloticus]	1		o	
PREDICTED: uo:ion006 [Danio rerio]	1			o
PREDICTED: wu:fc17b08 [Danio rerio]	1	o		
pregnancy zone	1		o	
pregnancy zone protein isoform 1	1		o	
pregnancy-associated plasma protein a	1	o		
pregnancy-zone protein	1	o		
preli domain-containing protein mitochondrial-like	1		o	
pre-mrna cleavage complex 2 protein pcf11-like	1	o		
pre-mrna processing factor 8	1		o	
pre-mrna splicing factor prp8	1	o		
pre-mrna-processing factor 6-like	1		o	
pre-mrna-processing-splicing factor 8-like	1		o	
pre-mrna-splicing factor atp-dependent rna helicase dhx32	1		o	
pre-mrna-splicing factor cwc25 homolog	1		o	
pre-mrna-splicing factor rbm22	1		o	
pre-mrna-splicing regulator wtap	1			o
prenylcysteine oxidase 1	1		o	
prenyltransferase domain containing 1	1			o
prepromelanin concentrating hormone	1		o	
preprotein subunit	1		o	
presenilin-2	1			o
presequence mitochondrial precursor	1			o
prickle homolog 1	1	o		
prickle-like 2	1		o	
prion protein	1	o		
prion-like-(q n-rich)-domain-bearing protein family member (pqn-44)-like	1			o
prkc apoptosis wt1 regulator	1	o		
prkr interacting protein 1 (il11 inducible)	1	o		
prkr-interacting protein 1 homolog	1			o

probable 2-ketogluconate reductase-like	1	o		
probable aminopeptidase npep1	1			o
probable atp-dependent rna helicase ddx20-like	1		o	
probable atp-dependent rna helicase ddx23	1		o	
probable atp-dependent rna helicase ddx41-like	1		o	
probable atp-dependent rna helicase ddx47-like	1			o
probable atp-dependent rna helicase ddx59-like	1			o
probable atp-dependent rna helicase ddx6	1			o
probable cation-transporting atpase 13a2	1		o	
probable cell surface protein precursor	1		o	
probable cysteinyl-trna mitochondrial precursor	1	o		
probable cytosolic iron-sulfur protein assembly protein ciao1-like	1			o
probable -dihydro-8-oxoguanine triphosphatase nudt15-like	1		o	
probable d-tyrosyl-trna deacylase 2	1	o		
probable e3 ubiquitin-protein ligase herc4	1			o
probable e3 ubiquitin-protein ligase herc4 isoform 1	1		o	
probable e3 ubiquitin-protein ligase herc4-like	1		o	
probable e3 ubiquitin-protein ligase herc4-like isoform 1	1	o		
probable e3 ubiquitin-protein ligase herc4-like isoform 2	1			o
probable e3 ubiquitin-protein ligase mid2 isoform 1	1			o
probable e3 ubiquitin-protein ligase rnf144a-like	1			o
probable e3 ubiquitin-protein ligase trip12 isoform 1	1			o
probable e3 ubiquitin-protein ligase trip12-like	1	o		
probable fructose- -bisphosphatase tigar-like	1	o		
probable glutathione peroxidase 8	1	o		
probable g-protein coupled receptor 133	1		o	
probable g-protein coupled receptor 144	1	o		
probable g-protein coupled receptor 174	1		o	
probable g-protein coupled receptor 45-like	1			o
probable hydrolase pnkd isoform 1	1	o		
probable imidazolonepropionase	1	o		
probable n-acetyltransferase camello	1		o	
probable palmitoyltransferase zdhhc16	1	o		
probable palmitoyltransferase zdhhc4	1	o		
probable peptide nitrate transporter at1g59740-like	1		o	
probable polypeptide n-acetylgalactosaminyltransferase 8-like	1	o		
probable polyprenol reductase	1	o		
probable prolyl-trna mitochondrial	1		o	
probable protein-cysteine n-palmitoyltransferase porcupine isoform 1	1		o	
probable ribosome biogenesis protein rlp24-like	1			o
probable rna polymerase ii nuclear localization protein slc7a6os	1		o	

probable rna-binding protein 20	1	o						
probable rna-binding protein eif1ad	1			o				
probable serine carboxypeptidase cpvl-like	1				o			
probable ubiquitin carboxyl-terminal hydrolase faf-x isoform 1	1					o		
probable ubiquitin carboxyl-terminal hydrolase faf-x-like	1						o	
probable ubiquitin carboxyl-terminal hydrolase faf-x-like isoform 2	1							o
processing of precursor ribonuclease p mrp subunit (cerevisiae)	1	o						
procollagen galactosyltransferase 1-like	1							o
procollagen- -oxoglutarate 5-dioxygenase 2	1							o
procollagen type xv	1	o						
profilin 2	1		o					
progesterone receptor membrane component 1	1	o						
progesterin and adipoq receptor family member ix	1						o	
progesterin and adipoq receptor family member vi	1	o						
progesterin induced partial	1	o						
programmed cell death 11	1		o					
programmed cell death 6 interacting protein	1						o	
programmed cell death 6-interacting	1						o	
prohormone convertase pace4	1	o						
prolactin receptor	1							o
proline arginine-rich end leucine-rich repeat protein	1	o						
proline rich 12	1							o
proline rich protein 2	1					o		
proline synthase co-transcribed bacterial homolog protein	1	o						
proline-rich akt1 substrate 1	1	o						
proline-rich coiled-coil 1	1	o						
proline-rich protein bca3	1	o						
proline-rich protein prcc	1							o
proline-rich transmembrane protein 3	1	o						
proline-serine-threonine phosphatase- interacting protein 1	1	o						
prolyl 4-hydroxylase subunit alpha-1-like	1					o		
prolyl 4-hydroxylase subunit alpha-2 isoform 2 precursor	1	o						
prolyl 4-hydroxylase subunit alpha-2 precursor	1	o						
prolyl endopeptidase	1	o						
prolyl-trna synthetase	1	o						
pro-melanin concentrating hormone	1						o	
proopiomelanocortin b	1	o						
propionyl- carboxylase	1	o						
pro-pol-dutpase polyprotein r dutpase	1	o						
integrase protease reverse transcriptase	1							
proprotein convertase subtilisin kexin type 1	1						o	
proprotein convertase subtilisin kexin type 6	1				o			
proprotein convertase subtilisin kexin type 6- partial	1					o		
prospero-related homeobox 1	1		o					
prostaglandin e synthase	1	o						
prostaglandin g h synthase 1	1	o						
prostaglandin g h synthase 2	1	o						

prostaglandin reductase 1	1	o						
prostaglandin reductase 2	1	o						
prostaglandin-endoperoxide synthase 1	1	o						
prostate stem cell antigen	1	o						
protease-associated domain-containing protein of 21 kda-like	1				o			
proteasome (macropain) 26s non- 1	1		o					
proteasome (macropain) 26s non- 4	1							o
proteasome (macropain) 26s non- 7 (mov34 homolog)	1					o		
proteasome (macropain) alpha 4	1						o	
proteasome subunit alpha type 4	1							o
proteasome subunit beta type-4	1							o
proteasome subunit beta type-5-like	1							o
protein acn9 mitochondrial-like	1		o					
protein amp- beta 2 non-catalytic subunit	1	o						
protein angel homolog 1-like	1		o					
protein arginine methyltransferase 2	1		o					
protein arginine methyltransferase 3	1				o			
protein arginine methyltransferase 5	1	o						
protein arginine methyltransferase 7	1					o		
protein arginine methyltransferase 8	1	o						
protein arginine n-methyltransferase 10	1				o			
protein arginine n-methyltransferase 3	1				o			
protein arginine n-methyltransferase 5	1					o		
protein arginine n-methyltransferase 6	1			o				
protein argonaute-2-like	1						o	
protein associated with topoisomerase ii homolog 1	1							o
protein bat2-like 1-like	1						o	
protein bicaudal c homolog 1	1				o			
protein bicaudal d homolog 1-like	1						o	
protein btg1	1			o				
protein c	1	o						
protein c (inactivator of coagulation factors va and viiia)	1		o					
protein c16orf88-like	1	o						
protein c17orf37 homolog	1				o			
protein canopy 4	1					o		
protein capicua homolog	1		o					
protein casc4-like isoform 1	1	o						
protein cereblon-like	1						o	
protein creg2	1		o					
protein dgcr14	1	o						
protein disulfide isomerase family member 2	1		o					
protein disulfide isomerase family member 5	1	o						
protein disulfide-isomerase a3-like	1							o
protein disulfide-isomerase a4	1				o			
protein disulfide-isomerase a4-like	1		o					
protein disulfide-isomerase precursor	1		o					
protein disulfide-isomerase tmx3-like	1		o					
protein dom3z-like	1							o
protein dopey-2-like	1						o	
protein dpy-19 homolog 1	1	o						
protein dpy-19 homolog 1-like	1		o					
protein dpy-19 homolog 4	1				o			
protein efr3 homolog a	1		o					
protein efr3 homolog b	1						o	
protein ejaculatory bulb	1					o		
protein ergic-53	1						o	

protein fam105b-like	1	o			
protein fam107a-like	1	o			
protein fam113a	1		o		
protein fam135b-like	1	o			
protein fam160a1-like	1	o			
protein fam160b1-like	1	o			
protein fam171b-like	1			o	
protein fam173a-like	1		o		
protein fam177a1-like	1	o			
protein fam181b-like	1				o
protein fam189a2-like	1	o			
protein fam18a-like	1			o	
protein fam18b1-like	1		o		
protein fam193b-like	1			o	
protein fam198b-like	1	o			
protein fam19a5-like	1				o
protein fam200a	1		o		
protein fam20a-like	1		o		
protein fam3a-like isoform 1	1				o
protein fam46c-like	1			o	
protein fam50a	1		o		
protein fam53b	1				o
protein fam53b-like	1		o		
protein fam54b-like	1	o			
protein fam57b	1			o	
protein fam57b-like	1			o	
protein fam59b-like	1			o	
protein fam65a-like	1		o		
protein fam78b-like	1			o	
protein fam8a1-like	1		o		
protein fam91a1-like	1			o	
protein farnesyltransferase subunit beta	1			o	
protein fem-1 homolog a	1				o
protein gcap14 homolog isoform 2	1	o			
protein geranylgeranyltransferase type beta subunit	1		o		
protein gpr108-like	1			o	
protein gtlf3b	1	o			
protein- interferon-inducible double stranded rna dependent repressor of (p58 repressor)-like	1	o			
protein iq-domain 14	1	o			
protein khnyn	1	o			
protein kiaa1045-like	1			o	
protein kiaa1199-like	1			o	
protein kiaa1731-like	1		o		
protein kinase	1	o			
protein kinase (camp- catalytic) inhibitor alpha	1	o			
protein kinase c iota type	1			o	
protein kinase c-binding protein 1	1		o		
protein kinase c-binding protein 1-like	1				o
protein kinase c-binding protein nell1-like	1			o	
protein kinase delta	1	o			
protein kinase family protein with pasta domain	1				o
protein kinase iota	1	o			
protein kinase isoform cra_a	1	o			
protein kinase n2	1	o			
protein kinase theta	1	o			

protein kinase-like protein 196	1		o			
protein kish-a-like	1					o
protein kri1 homolog	1	o				
protein las1 homolog	1			o		
protein lbh	1	o				
protein lin-37 homolog	1				o	
protein lin-52 homolog	1					o
protein lin-54 homolog	1	o				
protein lin-7 homolog c-like	1					o
protein lsm14 homolog b	1			o		
protein max-like	1					o
protein mb21d1	1			o		
protein mcm10 homolog	1	o				
protein mef2bnb	1			o		
protein mical-2 isoform 2	1	o				
protein mical-3	1				o	
protein mis18-beta-like	1			o		
protein nlrc3	1		o			
protein npat	1				o	
protein odr-4 homolog	1		o			
protein o-linked mannose -n-acetylglucosaminyltransferase	1	o				
protein o-mannosyl-transferase 2	1	o				
protein osteopotential homolog	1					o
protein partial	1				o	
protein phosphatase 1 regulatory subunit 3c-b-like	1			o		
protein phosphatase 1e (pp2c domain containing)	1				o	
protein phosphatase 2 (formerly 2a) regulatory subunit b (pr 52) beta isoform	1	o				
protein phosphatase 2 (formerly 2a) regulatory subunit b (pr 52) beta isoform cra_c	1					o
protein phosphatase catalytic alpha isozyme	1					o
protein phosphatase catalytic beta isozyme	1				o	
protein phosphatase magnesium- catalytic subunit	1					o
protein phosphatase regulatory subunit 1	1	o				
protein phosphatase regulatory subunit 10	1	o				
protein phosphatase regulatory subunit 13 like	1		o			
protein phosphatase regulatory subunit 14c	1				o	
protein phosphatase regulatory subunit 15b	1					o
protein phosphatase regulatory subunit 1a	1					o
protein phosphatase regulatory subunit 1b	1		o			
protein phosphatase regulatory subunit 8	1		o			
protein phosphatase regulatory subunit b (pr 53)	1	o				
protein phosphatase regulatory subunit b epsilon isoform	1		o			
protein phosphatase regulatory subunit b gamma	1			o		
protein product of hmfn0672	1	o				
protein prrc2b	1				o	
protein prrc2c	1				o	
protein quaking-a	1				o	
protein reprimolike	1					o
protein rer1-like	1			o		
protein saal1	1			o		

protein scribble homolog	1			o	
protein scribble partial	1			o	
protein serine threonine kinase	1	o			
protein shisa-4-like	1			o	
protein shroom2-like	1		o		
protein slc7a6os	1		o		
protein smg5	1		o		
protein spinster homolog 1-like	1		o		
protein strawberry notch homolog 2-like	1			o	
protein strawberry notch homolog partial	1			o	
protein tex261	1	o			
protein timeless homolog	1				o
protein tob1-like	1				o
protein transport protein sec23b	1		o		
protein transport protein sec24a	1	o			
protein transport protein sec24b-like	1			o	
protein transport protein sec24d	1		o		
protein transport protein sec61 subunit alpha-like 1	1		o		
protein tweety homolog 1	1				o
protein tweety homolog 3-like	1			o	
protein tyrosine non-receptor type 11	1	o			
protein tyrosine non-receptor type 12	1				o
protein tyrosine non-receptor type 14	1	o			
protein tyrosine non-receptor type 2	1			o	
protein tyrosine non-receptor type 23	1	o			
protein tyrosine non-receptor type 4	1			o	
protein tyrosine non-receptor type 6	1			o	
protein tyrosine phosphatase-like a domain containing 2	1	o			
protein tyrosine receptor b	1			o	
protein tyrosine receptor g	1		o		
protein tyrosine receptor isoform cra_a	1	o			
protein tyrosine receptor k	1				o
protein tyrosine receptor m	1	o			
protein tyrosine receptor o	1			o	
protein tyrosine receptor s	1	o			
protein tyrosine receptor t	1			o	
protein tyrosine receptor- z polypeptide 1	1				o
protein unc-13 homolog c-like	1				o
protein unc-13 homolog d	1			o	
protein unc-13-like protein b	1			o	
protein uxt	1	o			
protein virilizer homolog	1			o	
protein with 5 -3 exonuclease domain	1			o	
protein x-linked	1			o	
protein yif1b-like	1		o		
protein yipf7	1	o			
protein z-dependent protease inhibitor	1				o
protein zer-1 homolog	1			o	
protein zwilch homolog	1			o	
protein zyg-11 homolog	1	o			
protein-arginine deiminase type-4-like	1	o			
protein-associating with the carboxyl-terminal domain of ezrin	1			o	
protein-glutamine gamma-glutamyltransferase 5-like	1				o
protein-l-isoaspartated-aspartate o-methyltransferase	1				o
protein-o-mannosyltransferase 1	1	o			

protein-tyrosine sulfotransferase 2-like	1		o					
proteolipid protein 2	1		o					
protocadherin 1 gamma 2	1						o	
protocadherin 19	1						o	
protocadherin 2 gamma 1	1		o					
protocadherin 2a11	1							o
protocadherin 2a12	1						o	
protocadherin 2g1	1					o		
protocadherin 2g15	1						o	
protocadherin 2g17	1						o	
protocadherin 2g18	1							o
protocadherin 2g19	1						o	
protocadherin 2g2	1					o		
protocadherin 2g23	1		o					
protocadherin 2g30-like	1						o	
protocadherin 2g32	1						o	
protocadherin 2g5	1					o		
protocadherin 7	1					o		
protocadherin alpha-3-like	1					o		
protocadherin alpha-8-like	1					o		
protocadherin fat 1	1				o			
protocadherin fat 2	1						o	
protocadherin fat 3	1		o					
protocadherin gamma a2 precursor (pcdh-gamma-a2)	1					o		
protocadherin gamma-a11-like	1					o		
protocadherin-11 x-linked- partial	1					o		
protocadherin-15 isoform 4	1				o			
protocadherin-17 precursor	1							o
protocadherin-9-like isoform 1	1					o		
proton myo-inositol cotransporter	1				o			
proton-coupled amino acid transporter 1-like isoform 2	1			o				
proto-oncogene c-rel-like	1				o			
proto-oncogene dbl-like	1					o		
proz protein	1						o	
prp31 pre-mrna processing factor 31 homolog	1				o			
prp40 pre-mrna processing factor 40 homolog a	1					o		
prp6 pre-mrna splicing factor 6 homolog	1		o					
prpf39 protein	1		o					
psap protein	1				o			
pseudouridine synthase 1	1							o
pseudouridine-metabolizing bifunctional	1			o				
pseudouridylate synthase 10	1		o					
pseudouridylate synthase 7 homolog	1					o		
psme4 protein	1				o			
ptb domain-containing engulfment adapter protein 1	1						o	
ptd016 protein	1			o				
ptgs1 protein	1		o					
ptk2 protein tyrosine kinase 2	1						o	
ptk2 protein tyrosine kinase isoform cra_a	1		o					
ptk7 protein tyrosine kinase 7- partial	1		o					
ptprf interacting binding protein 2 (liprin beta 2)	1					o		
ptprf interacting protein binding protein 1 isoform 2	1			o				
pumilio homolog 2	1					o		
purine-rich element binding protein b	1			o				

puromycin-sensitive aminopeptidase	1	0			
purpurin	1			0	
putative utrophin [Takifugu rubripes]	1	0			
pvalb6 protein	1				0
px domain-containing protein kinase-like protein	1	0			
pyocin tail formation	1			0	
pyridine nucleotide-disulfide oxidoreductase domain-containing protein 1	1	0			
pyridine nucleotide-disulfide oxidoreductase domain-containing protein 2	1	0			
pyridoxal kinase	1				0
pyridoxine 5 -phosphate oxidase	1	0			
pyridoxine-5 -phosphate oxidase-like	1			0	
pyrophosphatase phosphodiesterase 4	1				0
pyrroline-5-carboxylate reductase 2	1	0			
pyrroline-5-carboxylate reductase family member 2 variant 1	1		0		
pyrroline-5-carboxylate reductase-like protein c14orf148-like	1			0	
pyruvate dehydrogenase e1 alpha 1	1	0			
pyruvate dehydrogenase isoenzyme 3	1	0			
pyruvate dehydrogenase isozyme 3	1				0
pyruvate dehydrogenase isozyme 4	1	0			
pyruvate dehydrogenase phosphatase isoenzyme 2	1	0			
pyruvate dehydrogenase phosphatase regulatory subunit	1	0			
pyruvate dehydrogenase protein x mitochondrial	1				0
pyruvate kinase muscle isozyme	1				0
pyruvate liver and rbc	1	0			
pyruvate muscle	1	0			
pzp protein	1				0
questionable orf	1	0			
queueine trna-ribosyltransferase subunit qtrtd1	1		0		
quiescin q6 sulfhydryl oxidase 1	1		0		
quinone oxidoreductase	1		0		
r3h domain-containing protein c19orf22 homolog	1	0			
r3hdm2 protein	1				0
rab alpha subunit	1	0			
rab gtpase-binding effector protein 2	1	0			
rab11 family interacting protein 2 (class i)	1	0			
rab11 family interacting protein 4 (class ii)	1				0
rab11 family-interacting protein 1 isoform 2	1			0	
rab3a interacting 1	1	0			
rab5 gdp gtp exchange factor	1	0			
rab9 effector protein with kelch motifs	1	0			
rab-like protein 2a-like	1			0	
rac cdc42 guanine nucleotide exchange factor	1	0			
rac gtpase activating protein 1	1				0
rad23 homolog b (cerevisiae)	1	0			
rad23b protein	1		0		
rad50 interactor 1	1		0		
rad51-like 1	1	0			
radixin isoform d	1			0	
raf proto-oncogene serine threonine-protein kinase-like	1	0			
regulator complex protein lamtor1	1				0

ral gtpase-activating protein alpha subunit 2-like	1	o			
ral gtpase-activating protein subunit beta	1	o			
ralbp1 associated eps domain containing 1	1	o			
ralgps2 protein	1	o			
ran binding protein 10	1	o			
ran binding protein 5	1		o		
ran gtpase-activating protein 1	1		o		
ran guanine nucleotide release factor	1	o			
ranbp2-like and grip domain-containing protein 5 6 isoform 1	1				o
rangap1 protein	1	o			
ran-specific gtpase-activating protein	1				o
rap guanine nucleotide exchange factor 1	1		o		
rap guanine nucleotide exchange factor 3	1				o
rap guanine nucleotide exchange factor 5-like	1				o
rap1 gtpase-gdp dissociation stimulator 1-like	1				o
rapamycin-insensitive companion of mtor	1				o
ras association (af-6) and pleckstrin homology domains 1	1				o
ras association domain-containing protein 8	1			o	
ras gtpase	1				o
ras gtpase-activating protein ngap	1	o			
ras gtpase-activating protein-binding protein 2	1		o		
ras homolog gene member g (rho g)	1	o			
ras homolog gene member q	1	o			
ras p21 protein activator 2	1				o
ras related protein 1b	1	o			
ras-association domain family 7	1				o
ras-like gtp-binding protein rho1	1				o
ras-like protein family member 11a-like	1	o			
ras-related and estrogen-regulated growth inhibitor-like	1			o	
ras-related associated with diabetes	1	o			
ras-related c3 botulinum toxin substrate 1 precursor	1				o
ras-related gtp binding c	1		o		
ras-related gtp-binding protein c	1			o	
ras-related protein orab-1	1				o
ras-related protein rab-11a	1	o			
ras-related protein rab-1a	1			o	
ras-related protein rab-26-like	1			o	
ras-related protein rab-34	1	o			
ras-related protein rab-35	1			o	
ras-related protein rab-6a-like	1				o
ras-related protein ral-b	1			o	
rb1-inducible coiled coil protein 1	1			o	
rb1-inducible coiled-coil protein 1	1				o
rcc1 and btb domain-containing protein 2	1		o		
rcc1 domain-containing protein 1	1				o
rcc2 homolog	1	o			
receptor activity modifying protein 2	1	o			
receptor activity modifying protein 3	1	o			
receptor activity-modifying protein 1 precursor	1			o	
receptor activity-modifying protein 2	1	o			
receptor activity-modifying protein 3	1				o
receptor tyrosine kinase flk-1 vegfr-2	1	o			
receptor tyrosine-protein kinase erb3-like	1				o

receptor-type tyrosine-protein phosphatase beta	1		o		
receptor-type tyrosine-protein phosphatase c isoform 2	1	o			
receptor-type tyrosine-protein phosphatase delta-like	1			o	
receptor-type tyrosine-protein phosphatase f precursor	1				o
receptor-type tyrosine-protein phosphatase kappa-like	1			o	
recq-mediated genome instability protein 2-like	1		o		
regulating synaptic membrane exocytosis protein 2	1				o
regulating synaptic membrane exocytosis protein 2-like	1			o	
regulator of calcineurin 1	1				o
regulator of differentiation 1	1			o	
regulator of g-protein signaling 1	1				o
regulator of g-protein signaling 12	1	o			
regulator of g-protein signaling 16	1			o	
regulator of g-protein signaling 4	1	o			
regulator of g-protein signaling 8	1				o
regulator of nonsense transcripts 1-like	1		o		
regulatory associated protein of complex 1 isoform 1	1	o			
regulatory factor 1 (influences hla class ii expression)	1		o		
regulatory factor 3 (influences hla class ii expression)	1			o	
-related lipid transfer domain containing 7	1	o			
related ras viral (r-ras) oncogene homolog	1	o			
relaxin 3a	1			o	
relaxin receptor 1-like	1			o	
relaxin-3 receptor 1	1				o
relaxin-3 receptor 1-like	1				o
relt-like protein 2	1			o	
renin binding protein	1		o		
renin receptor-like	1				o
ReO_6 [Oryzias latipes]	1			o	
replication factor c subunit 5	1	o			
replication protein a 14 kda subunit	1			o	
replication protein a 32 kda subunit	1			o	
replication protein a 32 kda subunit-like	1			o	
repulsive guidance molecule a	1	o			
required for meiotic nuclear division 5 homolog a	1	o			
required for meiotic nuclear division 5 homolog b (cerevisiae)	1	o			
resistance to inhibitors of cholinesterase 8 homolog b (elegans)	1	o			
restin isoform 2	1	o			
ret proto-oncogene	1		o		
reticulon 1-a1	1			o	
reticulon 4 receptor-like 1	1				o
reticulon 4 receptor-like 2 a	1				o
retinitis pigmentosa 9 (autosomal dominant)	1		o		
retinoblastoma binding protein isoform cra_f	1	o			
retinoblastoma-associated protein	1	o			

retinoblastoma-associated protein 140 isoform 3	1	o			
retinoblastoma-binding protein 6 isoform 1	1			o	
retinoblastoma-binding protein 6 isoform 2	1		o		
retinoblastoma-binding protein 8	1	o			
retinoblastoma-like protein 1	1				o
retinoic acid induced 14	1	o			
retinoic acid induced 17	1		o		
retinoic acid receptor alpha	1		o		
retinoic acid receptor beta	1			o	
retinoic acid receptor beta-like	1			o	
retinoid x beta	1			o	
retinoid x gamma	1			o	
retinol dehydrogenase 13	1	o			
retinol dehydrogenase 5 (11-cis 9-cis)	1	o			
retinol-binding protein cellular	1				o
retrotransposon ty1-copia subclass	1	o			
retrotransposon-like family member (retr-1)-partial	1				o
retrotransposon-like protein 1- partial	1				o
retrovirus polyprotein	1				o
rev3- catalytic subunit of dna polymerase zeta	1	o			
reverse transcriptase homolog	1	o			
rhamnose-binding lectin	1		o		
rho gdp-dissociation inhibitor 2	1				o
rho gtpase activating protein 11a	1	o			
rho gtpase activating protein 20	1				o
rho gtpase activating protein 25-like	1	o			
rho gtpase binding protein 2	1		o		
rho gtpase-activating protein 1	1				o
rho gtpase-activating protein 11a isoform 1	1	o			
rho gtpase-activating protein 12-like	1				o
rho gtpase-activating protein 15	1			o	
rho gtpase-activating protein 20-like	1				o
rho gtpase-activating protein 21-like	1				o
rho gtpase-activating protein 24-like	1	o			
rho gtpase-activating protein 27	1				o
rho gtpase-activating protein 29	1		o		
rho gtpase-activating protein 32 isoform 1	1				o
rho gtpase-activating protein 39-like	1				o
rho gtpase-activating protein 42-like	1				o
rho gtpase-activating protein 44-like	1				o
rho gtpase-activating protein 7-like	1			o	
rho gtpase-activating protein rich2	1				o
rho guanine exchange factor 16	1			o	
rho guanine nucleotide exchange factor 10	1				o
rho guanine nucleotide exchange factor 12-like	1		o		
rho guanine nucleotide exchange factor 16	1			o	
rho guanine nucleotide exchange factor 3	1	o			
rho guanine nucleotide exchange factor 4-like	1	o			
rho-associated protein kinase 1	1	o			
rho-associated protein kinase 2	1				o
rho-guanine nucleotide exchange factor	1				o
rhomboid family 1	1	o			
rho-related btb domain containing 2	1			o	
rho-related gtp-binding protein	1	o			
rho-related gtp-binding protein precursor	1				o
rho-type gtpase-activating protein flj32810-like isoform 2	1	o			

riboflavin kinase-like	1				o	
riboflavin transporter 2	1		o			
riboflavin transporter 2-like	1					o
riboflavin-binding protein	1				o	
ribonuclease h1-like isoform 1	1			o		
ribonuclease nuclear	1		o			
ribonuclease p mrp protein subunit pop5	1		o			
ribonuclease p protein subunit p20	1					o
ribonuclease p protein subunit p29	1		o			
ribonuclease p protein subunit p30	1				o	
ribonuclease p protein subunit p38	1		o			
ribonuclease subunit b	1		o			
ribonuclease zc3h12a-like	1		o			
ribose-5-phosphate isomerase	1		o			
ribosomal l24 domain containing 1	1		o			
ribosomal protein l14	1		o			
ribosomal protein l23a-like	1				o	
ribosomal protein l29	1		o			
ribosomal protein l31	1		o			
ribosomal protein l40	1			o		
ribosomal protein s29	1			o		
ribosomal protein s6 kinase alpha-3	1				o	
ribosomal protein s6 kinase beta-1 isoform 3	1				o	
ribosomal protein s6 kinase beta-2	1			o		
ribosomal protein s6 polypeptide 3	1		o			
ribosomal protein s6 polypeptide 5	1		o			
ribosomal protein s6 polypeptide 6	1					o
ribosomal rna methyltransferase 2-like	1			o		
ribosomal rna processing 1 homolog b	1		o			
ribosomal rna processing protein 1 homolog a	1		o			
ribosomal rna processing protein 1 homolog b	1				o	
rieske (2fe-2s) domain-containing protein	1		o			
rieske domain-containing protein	1		o			
riken cdna 1300002k09 gene	1			o		
riken cdna 1700019e19	1				o	
riken cdna 1810009a15 gene	1		o			
riken cdna 2310046k01	1				o	
riken cdna 2610528e23	1		o			
riken cdna 2810426n06	1			o		
riken cdna 4930452b06 gene	1					o
riken cdna 4932409i22 gene	1			o		
riken cdna 4933439f18 gene	1		o			
riken cdna 6430571113 gene g20 protein isoform cra_a	1		o			
riken cdna 8430426h19 gene	1			o		
riken cdna e130309d02 gene	1		o			
rilp-like protein 2	1		o			
rim-binding protein 2	1				o	
ring finger and ccch-type zinc finger domain-containing protein 2-like	1				o	
ring finger and wd repeat domain 2	1		o			
ring finger protein	1					o
ring finger protein 11	1				o	
ring finger protein 123	1		o			
ring finger protein 128	1		o			
ring finger protein 14	1		o			
ring finger protein 157	1				o	
ring finger protein 160	1			o		
ring finger protein 20	1		o			
ring finger protein 219	1					o

ring finger protein 29	1	o			
ring finger protein 31- partial	1				o
ring finger protein 34	1				o
ring finger protein 44	1				o
ring finger protein 6	1	o			
ring hydroxylating alpha-subunit	1		o		
rio kinase 1	1	o			
rio kinase 2	1	o			
rna binding homolog 2	1	o			
rna binding motif protein	1			o	
rna binding motif protein 12	1	o			
rna binding motif protein 14	1				o
rna binding motif protein 17 isoform 2	1		o		
rna binding motif protein 28 isoform 1	1	o			
rna binding motif protein 28 isoform 2	1	o			
rna binding motif protein 34	1			o	
rna binding motif protein 39b	1	o			
rna binding motif protein 4	1		o		
rna binding motif protein 47	1		o		
rna binding motif protein 4b	1	o			
rna binding protein fox-1 homolog 3-like	1				o
rna guanylyltransferase and 5 -phosphatase	1	o			
rna helicase lgp2	1	o			
rna methyltransferase nol1	1			o	
rna polymerase ii associated protein 1	1	o			
rna polymerase ii associated protein 2	1		o		
rna polymerase-associated protein rtf1 homolog	1		o		
rna pseudouridine synthase domain containing protein	1				o
rna pseudouridylate synthase domain containing 4	1	o			
rna pseudouridylate synthase domain-containing protein 2	1			o	
rna recognition motif domain containing protein	1	o			
rna-binding protein 28	1			o	
rna-binding protein 33-like	1	o			
rna-binding protein 40	1				o
rna-binding protein with serine-rich domain 1	1		o		
rna-binding raly-like protein isoform 2	1				o
rna-binding single-stranded-interacting protein 2-like	1		o		
rna-dependent dna polymerase	1				o
rna-directed dna partial	1			o	
rnase h and integrase-like protein	1				o
rnf213	1	o			
roundabout homolog 2	1				o
roundabout homolog 2-like	1				o
rp42 homolog	1	o			
rpa-interacting protein a	1			o	
rpe-retinal g protein-coupled receptor	1				o
rrna 2 -o-methyltransferase fibrillar-like	1				o
rrp15-like protein	1	o			
run and fyve domain containing 1	1	o			
run and fyve domain containing 2	1				o
run and fyve domain-containing protein 1 isoform b	1			o	
run and fyve domain-containing protein 1-like	1		o		
run and fyve domain-containing protein 2	1				o

run and sh3 domain containing 2	1				o	
run domain-containing protein 3a	1				o	
run domain-containing protein 3b-like	1					o
runt-related transcription factor 1 translocated 1 (cyclin d-related)	1	o				
ruvb-like 2	1	o				
rwd domain containing 1	1				o	
rwd domain containing 2b	1	o				
rwd domain-containing protein 2b-like	1				o	
rwd domain-containing protein 3	1		o			
s phase cyclin a-associated protein in the endoplasmic reticulum	1					o
s phase cyclin a-associated protein in the er	1	o				
s100 calcium binding protein v2-like	1					o
sac3 domain-containing protein 1-like	1				o	
s-acyl fatty acid synthase medium chain	1		o			
safb- transcription isoform cra_a	1	o				
safb-like transcription modulator-like	1				o	
sal-like 1	1		o			
sal-like 2	1					o
sal-like protein 2-like	1					o
sal-like protein 3-like	1					o
salt-inducible kinase 2	1	o				
sam domain-containing protein samsn-1	1	o				
samd9l protein	1		o			
sap_chick ame: full=proactivator polypeptide contains: ame: full=saposin-a contains: ame: full=saposin-b contains: ame: full=saposin-c contains: ame: full=saposin-d flags: precursor	1		o			
sap30 binding protein	1	o				
saps domain family member 3	1					o
saps3 protein	1					o
sarcalumenin	1	o				
sarcoendoplasmic reticulum calcium atpase	1	o				
sarcoglycan zeta	1	o				
sarcoplasmic endoplasmic reticulum calcium atpase 1	1					o
sarcoplasmic endoplasmic reticulum calcium atpase 3	1					o
sarcosine dehydrogenase	1		o			
saxitoxin and tetrodotoxin-binding protein 2- like	1		o			
sc5a7_torma ame: full=high-affinity choline transporter 1	1	o				
scaffold attachment factor b	1					o
scaper protein	1		o			
scavenger receptor class a member 5-like	1					o
scavenger receptor class member 3	1	o				
scavenger receptor class member 5	1	o				
scavenger receptor cysteine rich domain group b (4 domains)-like	1	o				
scavenger receptor cysteine-rich type 1 protein cd163c-alpha	1		o			
scavenger receptor cysteine-rich type 1 protein m130	1	o				
schwannomin interacting protein 1	1					o
scinderin like a	1					o
scm-like with four mbt domains 1	1					o
scm-like with four mbt domains 2	1				o	
scratch homolog zinc finger protein	1					o

scribbled homolog isoform 4	1			0	
scy1-like 3 (cerevisiae)	1		0		
seabream-type gonadotropin-releasing hormone precursor	1			0	
sec14 and spectrin domains 1	1	0			
sec14l1 protein	1	0			
sec14-like protein 1 isoform a	1		0		
sec16 homolog a	1			0	
sec16 homolog a (cerevisiae)	1	0			
sec23 homolog b (cerevisiae)	1		0		
sec31 homolog b (cerevisiae)	1	0			
sec61 alpha	1		0		
sec6-like 1 (cerevisiae)	1			0	
secreted frizzled-related protein 1	1	0			
secretion regulating guanine nucleotide exchange factor	1		0		
secretion-regulating guanine nucleotide exchange factor	1		0		
secretogranin ii	1				0
secretory carrier membrane protein 3	1			0	
secretory carrier-associated membrane protein 3	1				0
secretory phospholipase a2 receptor	1	0			
secretory phospholipase a2 receptor-like	1		0		
segment polarity protein dishevelled homolog dvl-1	1			0	
seizure related 6 homolog	1				0
selenium-binding protein	1	0			
selenium-binding protein 1	1		0		
selenophosphate synthetase 1	1	0			
selenoprotein ja	1		0		
selenoprotein m	1		0		
sema immunoglobulin domain short basic 3c	1	0			
sema immunoglobulin domain transmembrane domain and short cytoplasmic 4c	1	0			
semaphorin 3a precursor (semaphorin iii) (sema iii) isoform 3	1	0			
semaphorin 4d	1		0		
semaphorin 6b	1	0			
semaphorin-4a precursor	1	0			
semaphorin-5a	1				0
senp3b protein	1		0		
sentrin-specific protease 2	1		0		
sentrin-specific protease 3	1			0	
sepiapterin reductase	1		0		
sepm protein	1				0
sepp1b protein	1			0	
sept7a protein	1				0
sept8 protein	1				0
septin 10	1		0		
septin 6	1	0			
ser thr-rich protein t10 in dgcr region	1	0			
serca (sarco-endoplasmic reticulum calcium atpase) family member (sca-1)	1	0			
serine (or cysteine) peptidase clade a (alpha-1 antitrypsin) member 10	1		0		
serine (or cysteine) peptidase clade member 1a	1		0		
serine (or cysteine) proteinase clade a (alpha-1 antitrypsin) member 1	1		0		

serine 27	1		o			
serine active site containing 1	1	o				
serine arginine repetitive matrix isoform 3	1				o	
serine arginine-rich splicing factor 10-like	1		o			
serine arginine-rich splicing factor 6a	1					o
serine arginine-rich splicing factor 7-like isoform 2	1					o
serine dehydratase-like	1	o				
serine hydrolase-like protein	1		o			
serine long chain base subunit 1	1		o			
serine mitochondrial-like	1		o			
serine or cysteine proteinase inhibitor clade e member 1	1	o				
serine peptidase 3	1	o				
serine peptidase kunitz type 1 b	1			o		
serine protease	1	o				
serine protease 27-like	1			o		
serine protease inhibitor-like spi-1 protein	1				o	
serine protease mitochondrial-like	1					o
serine protease precursor	1	o				
serine threonine kinase 3 (ste20 yeast)	1		o			
serine threonine kinase 32b	1					o
serine threonine kinase 38 like	1	o				
serine threonine protein kinase araf	1	o				
serine threonine rich antigen	1	o				
serine threonine rich low complexity protein	1	o				
serine threonine-protein kinase 19-like	1			o		
serine threonine-protein kinase 25	1	o				
serine threonine-protein kinase h1	1			o		
serine threonine-protein kinase ick	1				o	
serine threonine-protein kinase mark1-like	1					o
serine threonine-protein kinase n2 isoform 1	1	o				
serine threonine-protein kinase nek10-like	1				o	
serine threonine-protein kinase nek2	1			o		
serine threonine-protein kinase nek4	1	o				
serine threonine-protein kinase nek7	1			o		
serine threonine-protein kinase nek7-like	1			o		
serine threonine-protein kinase pak 2-like	1		o			
serine threonine-protein kinase pak 6	1				o	
serine threonine-protein kinase pak 7	1					o
serine threonine-protein kinase pctaire-2	1				o	
serine threonine-protein kinase pdik11	1			o		
serine threonine-protein kinase prp4 homolog	1	o				
serine threonine-protein kinase sbk1-like	1					o
serine threonine-protein kinase sgk1-like isoform 1	1	o				
serine threonine-protein kinase sgk2	1		o			
serine threonine-protein kinase srpk1	1		o			
serine threonine-protein kinase srpk3	1	o				
serine threonine-protein kinase srpk3-like	1	o				
serine threonine-protein kinase wnk1	1				o	
serine threonine-protein kinase wnk1 isoform 2	1					o
serine threonine-protein kinase wnk4	1					o
serine threonine-protein phosphatase 2a 55 kda regulatory subunit b alpha isoform	1			o		
serine threonine-protein phosphatase 2a 55 kda regulatory subunit b delta isoform-like isoform 5	1				o	

serine threonine-protein phosphatase 2a 55 kda regulatory subunit b gamma isoform	1			o	
serine threonine-protein phosphatase 2a 55 kda regulatory subunit b gamma isoform-like	1				o
serine threonine-protein phosphatase 2a 65 kda regulatory subunit a beta isoform	1				o
serine threonine-protein phosphatase 2a catalytic subunit alpha isoform-like protein	1				o
serine threonine-protein phosphatase 2a regulatory subunit b subunit gamma	1	o			
serine threonine-protein phosphatase 2b catalytic subunit alpha isoform-like	1			o	
serine threonine-protein phosphatase 2b catalytic subunit gamma isoform	1			o	
serine threonine-protein phosphatase 4 regulatory subunit 1-like	1			o	
serine threonine-protein phosphatase 5	1	o			
serine threonine-protein phosphatase 6 regulatory ankyrin repeat subunit a	1			o	
serine threonine-protein phosphatase 6 regulatory ankyrin repeat subunit a-like	1		o		
serine threonine-protein phosphatase 6 regulatory subunit 3 isoform 1	1	o			
serine threonine-protein phosphatase with ef-hands 2	1				o
serotonin transporter	1		o		
serpin h1 precursor	1	o			
serpin peptidase clade a (alpha-1 antitrypsin) member 3	1		o		
serpin peptidase clade b like	1			o	
serpin peptidase clade member 2b	1				o
serrate rna effector molecule homolog isoform 1	1		o		
serum paraoxonase arylesterase 2-like	1				o
serum response factor binding protein 1	1	o			
seryl-trna cytoplasmic	1	o			
sestrin 3	1		o		
set and mynd domain containing 3	1	o			
set domain containing 1a	1				o
set1 ash2 histone methyltransferase complex subunit ash2-like	1		o		
sex hormone binding globulin	1			o	
sfrs protein kinase 3	1	o			
sh2 domain containing 3c	1				o
sh2 domain-containing adapter protein b	1			o	
sh2 domain-containing protein 3c isoform c	1	o			
sh3 and multiple ankyrin repeat domains 2 isoform 1	1				o
sh3 and multiple ankyrin repeat domains protein 1	1				o
sh3 domain and tetratricopeptide repeats 1	1		o		
sh3 domain binding glutamic acid-rich protein like 2	1	o			
sh3 domain binding glutamic acid-rich protein like 3	1	o			
sh3 domain-binding glutamic acid-rich-like protein 3	1		o		
sh3 domain-containing ring finger protein 3-like	1	o			
sh3-binding kinase 1-like	1	o			

sh3-domain grb2-like 2	1					o
sh3-domain grb2-like interacting protein 1	1				o	
sh3-domain grb2-like interacting protein 1-like	1					o
sh3kbp1-binding protein 1-like	1		o			
shc (src homology 2 domain containing) transforming protein 3	1					o
shc sh2 domain-binding protein 1	1			o		
shc-transforming protein 1	1				o	
shisa homolog 4 (xenopus laevis)	1					o
shmt2 protein	1				o	
short transient receptor potential channel 5-like	1				o	
short transient receptor potential channel 7 isoform 3	1	o				
short wavelength sensitive 2a	1	o				
short-chain dehydrogenase reductase family protei	1			o		
shroom family member 4	1	o				
shugoshin-like 1	1	o				
sialic acid binding ig-like lectin sialoadhesin	1			o		
sialin	1		o			
sid1 transmembrane family member 2-like	1			o		
sid1 transmembrane member 2	1	o				
sidekick homolog 2	1				o	
sideroflexin 3	1				o	
sideroflexin 5	1					o
sidt2 protein	1					o
sigma non-opioid intracellular receptor 1	1	o				
signal cub and egf-like domain-containing protein 2-like	1		o			
signal cub egf-like 3	1					o
signal peptide peptidase-like 3-like	1				o	
signal recognition particle 54	1			o		
signal recognition particle 68 kda protein	1		o			
signal recognition particle 72 kda protein	1			o		
signal sequence alpha	1			o		
signal transducer and activator of transcription 2	1					o
signal transducer and activator of transcription 4	1	o				
signal transducer and activator of transcription 6 isoform 2	1	o				
signal transducing adaptor family member 2	1				o	
signal-induced proliferation-associated 1 like 3	1				o	
signal-transducing adaptor protein 2-like	1					o
similarity to ribosomal protein l5	1	o				
sin3 homolog transcription regulator	1		o			
sin3a-associated 18kda	1				o	
sine oculis binding protein homolog	1	o				
sine oculis homeobox homolog	1	o				
sirtuin (silent mating type information regulation 2 homolog) 3 (cerevisiae)	1			o		
sirtuin (silent mating type information regulation 2 homolog) 7 (cerevisiae)	1				o	
sirtuin 1	1	o				
sister chromatid cohesion protein dcc1	1			o		
six homeobox 1	1	o				
six homeobox 2	1	o				
sjchgc03012 protein	1	o				
sjchgc03018 protein	1			o		

sjchgc03504 protein	1			o	
sjchgc07762 protein	1			o	
sjchgc07801 protein	1				o
sjogren syndrome scleroderma autoantigen 1 homolog	1				o
sjogren syndrome nuclear autoantigen 1	1			o	
skeletal muscle and kidney-enriched inositol phosphatase	1	o			
ski interacting protein	1		o		
skin mucus lectin	1		o		
slam family member 7-like	1				o
s-layer domain protein	1			o	
slc24a4 protein	1				o
slc9a3r2 protein	1			o	
slingshot homolog 1	1			o	
slit and ntrk-like protein 3	1			o	
slit and trk like 3 protein	1				o
slit homolog 2 isoform 1	1				o
slit homolog 3	1		o		
slit-robo rho gtpase-activating protein 1	1			o	
slit-robo rho gtpase-activating protein 3-like	1				o
smad nuclear interacting protein 1	1	o			
smad4 protein	1			o	
small g protein signaling modulator 2	1	o			
small glutamine-rich tetratricopeptide repeat-containing protein a	1		o		
small glutamine-rich tetratricopeptide repeat-containing protein alpha	1		o		
small glutamine-rich tetratricopeptide repeat-containing protein beta-like	1				o
small gtpase ras-dva	1				o
small inducible cytokine subfamily member 1 (endothelial monocyte-activating)	1	o			
small nuclear ribonucleoprotein polypeptide b	1				o
small nuclear ribonucleoprotein polypeptide c	1				o
small nuclear ribonucleoprotein sm d1	1		o		
small nuclear ribonucleoprotein sm d3-like	1			o	
small nuclear rna activating polypeptide 3	1				o
small proline-rich protein 2h	1				o
small serum protein 2-like	1		o		
small subunit of serine palmitoyltransferase a	1	o			
small subunit of serine palmitoyltransferase a-like	1			o	
small ubiquitin-related modifier 1 precursor	1	o			
smap1 protein	1	o			
smarca2 protein	1	o			
smarcc1 protein	1			o	
smarcc2 protein	1				o
smc3 protein	1	o			
smc5 protein	1	o			
smek homolog suppressor of mek1	1	o			
smfn protein	1		o		
smith-magenis syndrome chromosomal region candidate gene 7	1			o	
smith-magenis syndrome chromosome candidate 7	1	o			
smooth muscle myosin heavy chain 11 isoform 2	1	o			
smoothelin	1	o			
smoothelin isoform 1	1			o	

smyd family member 5	1	o			
sn1-specific diacylglycerol lipase beta	1	o			
sn1-specific diacylglycerol lipase beta-like	1	o			
snail homolog 2	1	o			
snap25-interacting protein	1			o	
snap47 protein	1	o			
snap-associated protein	1				o
snf1-like kinase	1	o			
snf2-related cbp activator protein	1			o	
snph protein	1			o	
snrna-activating protein complex subunit 3	1		o		
snrna-activating protein complex subunit 5	1		o		
snrnp70 protein	1	o			
snurportin 1	1			o	
snw domain-containing protein 1	1		o		
socs box-containing wd protein s -2	1				o
sodium- and chloride-dependent gaba transporter 2	1			o	
sodium- and chloride-dependent gaba transporter 3	1				o
sodium- and chloride-dependent glycine transporter 1	1		o		
sodium channel and clathrin linker 1	1			o	
sodium channel modifier 1	1	o			
sodium channel protein type 2 subunit alpha	1				o
sodium channel protein type 8 subunit alpha isoform 1	1				o
sodium channel protein type 8 subunit alpha-like isoform 3	1			o	
sodium channel subunit beta-4-like	1				o
sodium glucose cotransporter 1	1		o		
sodium hydrogen exchanger 1	1	o			
sodium hydrogen exchanger isoform 3	1	o			
sodium leak channel non-selective protein	1			o	
sodium potassium atpase alpha subunit	1		o		
sodium potassium calcium exchanger 4	1			o	
sodium potassium-transporting atpase alpha-1	1			o	
sodium potassium-transporting atpase subunit beta-3	1			o	
sodium voltage type alpha subunit	1			o	
sodium-coupled neutral amino acid transporter 4	1			o	
sodium-coupled neutral amino acid transporter 7	1		o		
sodium-dependent phosphate transporter 1-a	1			o	
sodium-driven chloride bicarbonate exchanger-like	1				o
soluble calcium-activated nucleotidase 1	1				o
solute carrier family 1 (high affinity aspartate glutamate transporter) member 6	1				o
solute carrier family 10 (sodium bile acid cotransporter family) member 1	1				o
solute carrier family 12 (potassium chloride transporters) member 7	1			o	
solute carrier family 12 (potassium-chloride transporter) member 5-like	1				o
solute carrier family 12 member 2	1			o	
solute carrier family 12 member 4-like	1	o			
solute carrier family 12 member 5	1			o	

solute carrier family 12 member 9	1	o		
solute carrier family 13 member 5-like	1	o		
solute carrier family 16 (monocarboxylic acid transporters) member 6	1			o
solute carrier family 17 (anion sugar transporter) member 5	1		o	
solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter) member 6	1			o
solute carrier family 2 (facilitated glucose transporter) member 2	1		o	
solute carrier family 2 (facilitated glucose transporter) member 4	1		o	
solute carrier family 2 (facilitated glucose transporter) member 9	1		o	
solute carrier family 22 (extraneuronal monoamine transporter) member 3	1	o		
solute carrier family 22 member 15	1	o		
solute carrier family 22 member 17-like	1		o	
solute carrier family 22 member 23	1			o
solute carrier family 22 member 23-like	1	o		
solute carrier family 22 member 5	1	o		
solute carrier family 22 member 5-like	1			o
solute carrier family 22 member 6	1		o	
solute carrier family 22 member ensg00000182157-like	1			o
solute carrier family 23 member 2	1		o	
solute carrier family 25 (carnitine acylcarnitine translocase) member 20	1		o	
solute carrier family 25 (mitochondrial carrier adenine nucleotide translocator) member 6	1		o	
solute carrier family 25 (mitochondrial carrier ornithine transporter) member 15	1	o		
solute carrier family 25 (mitochondrial carrier phosphate carrier) member 25	1		o	
solute carrier family 25 (mitochondrial carrier phosphate carrier) member 3	1		o	
solute carrier family 25 member 33-like	1			o
solute carrier family 25 member 44	1		o	
solute carrier family 25 member 5	1	o		
solute carrier family 27 (fatty acid transporter) member 2	1		o	
solute carrier family 27 (fatty acid transporter) member 6	1		o	
solute carrier family 30 (zinc transporter) member 7	1	o		
solute carrier family 30 (zinc transporter) member 9	1		o	
solute carrier family 33 (acetyl- transporter) member 1	1		o	
solute carrier family 37 (glycerol-3-phosphate transporter) member 3	1		o	
solute carrier family 39 (zinc transporter) member 12	1			o
solute carrier family 39 (zinc transporter) member 13	1	o		
solute carrier family 4 (anion exchanger) member adaptor protein	1	o		
solute carrier family 4 sodium bicarbonate cotransporter member 7	1	o		

solute carrier family 5 (sodium glucose cotransporter) member 2-like	1	o		
solute carrier family 5 (sodium iodide symporter) member 5	1		o	
solute carrier family 6 (neurotransmitter betaine gaba) member isoform cra_a	1	o		
solute carrier family 6 (neurotransmitter transporter) member 19	1	o		
solute carrier family 6 (neurotransmitter transporter) member isoform cra_a	1			o
solute carrier family 6 (neutral amino acid transporter) member 19	1	o		
solute carrier family 7 (cationic amino acid y+ system) member 1	1	o		
solute carrier family 7 (cationic amino acid y+ system) member 2	1	o		
solute carrier family 7 (cationic amino acid y+ system) member 3	1			o
solute carrier family 7 (cationic amino acid y+ system) member 5	1			o
solute carrier family 8 (sodium calcium exchanger) member 2	1	o		
solute carrier family 8 (sodium calcium exchanger) member 4a	1			o
solute carrier family 9 (sodium hydrogen exchanger) member 3 regulator 1	1	o		
solute carrier family 9 (sodium hydrogen exchanger) member 6	1		o	
solute carrier family anion member 1 (erythrocyte membrane protein band diego blood group)	1	o		
solute carrier family facilitated glucose transporter member 1	1			o
solute carrier family facilitated glucose transporter member 11-like	1	o		
solute carrier family facilitated glucose transporter member 3	1			o
solute carrier family facilitated glucose transporter member 4	1	o		
solute carrier family facilitated glucose transporter member 5	1	o		
solute carrier family facilitated glucose transporter member 8-like	1			o
solute carrier family member 13	1	o		
solute carrier family member 15	1	o		
solute carrier family member 28	1	o		
solute carrier family member 30	1	o		
solute carrier family member 38	1	o		
solute carrier family member 44	1	o		
solute carrier family member a4	1	o		
solute carrier family member b1	1		o	
solute carrier family member b2	1	o		
solute carrier family member c2	1	o		
solute carrier family member f5	1			o
solute carrier family sodium bicarbonate transporter- member 11	1	o		
solute carrier organic anion transporter family member 2b1-like	1			o
solute carrier organic anion transporter family member 3a1	1			o

solute carrier organic anion transporter family member 5a1	1			0	
solute carrier organic anion transporter member 1c1 isoform 1	1	0			
solute carrier organic anion transporter member 2a1	1	0			
solute carrier organic anion transporter member 2b1	1	0			
solute carrier organic anion transporter member isoform cra_e	1				0
somatolactin precursor	1		0		
somatostatin receptor type 5	1	0			
somatostatin receptor type 5-like	1				0
something about silencing protein 10-like	1		0		
son of sevenless homolog 1	1			0	
sorbin and sh3 domain containing 1	1			0	
sorbin and sh3 domain containing 2	1				0
sorbin and sh3 domain containing 2 protein	1	0			
sorbin and sh3 domain-containing protein 1	1			0	
sortilin 1	1	0			
sorting nexin 19a-like	1	0			
sorting nexin 4	1	0			
sorting nexin 6	1	0			
sorting nexin family member 27	1	0			
sorting nexin-18	1	0			
sorting nexin-19-like	1			0	
sorting nexin-22-like	1		0		
sorting nexin-24	1	0			
sorting nexin-9	1		0		
sp5 transcription factor	1			0	
spag9 protein	1				0
spaghetti squash	1			0	
sparc related modular calcium binding 2	1	0			
spastic paraplegia 21 (autosomal mast syndrome)	1	0			
spastic paraplegia paraplegin (pure and complicated autosomal recessive)	1	0			
spatacsin isoform 2	1			0	
specifically androgen-regulated gene protein	1	0			
speckle-type poz	1	0			
spectrin alpha brain-like isoform 2	1			0	
spectrin beta brain 1	1	0			
spectrin beta brain 3-like	1				0
spectrin beta -like	1	0			
spectrin repeat nuclear envelope 1	1	0			
spectrin repeat nuclear envelope 2	1	0			
spectrin sh3 domain binding protein 1	1				0
sperm associated antigen 1	1		0		
sperm-associated antigen 7-like	1			0	
sperm-associated antigen 8-like	1				0
spermatogenesis associated 2	1			0	
spermatogenesis associated 5-like 1	1	0			
spermatogenesis-associated protein 13	1	0			
spermatogenesis-associated protein 7-like	1			0	
sphingomyelin phosphodiesterase 3	1				0
sphingomyelin phosphodiesterase 3-like	1		0		
sphingomyelin phosphodiesterase 4	1	0			
sphingosine-1-phosphate receptor 1	1	0			
spindle and kinetochore associated complex subunit 3	1			0	

spindlin	1							o
spire homolog 1	1							o
splicing arginine serine-rich 10 (transformer 2 drosophila) isoform cra_a	1							o
splicing arginine serine-rich 13a	1	o						
splicing arginine serine-rich 16	1					o		
splicing arginine serine-rich 18	1	o						
splicing factor	1	o						
splicing factor 3a subunit 1 isoform 2	1					o		
splicing factor 3a subunit 2	1		o					
splicing factor subunit 1	1		o					
splicing factor subunit 120kda	1				o			
splicing factor subunit 3	1	o						
splicing factor subunit 66kda	1	o						
splicing factor u2af 35 kda subunit	1		o					
splicing factor u2af 65 kda subunit-like	1						o	
splicing proline- and glutamine-rich	1					o		
spondin-2 precursor	1	o						
sprouty 2-like	1	o						
sprouty homolog 2	1					o		
sprouty homolog 4	1						o	
spry domain-containing protein 3-like	1	o						
spry domain-containing protein 4-like	1					o		
spry domain-containing protein 7	1					o		
spry domain-containing socs box protein 1-like	1						o	
spry domain-containing socs box protein 3-like	1						o	
squamous cell carcinoma antigen recognized by t cells	1	o						
squamous-cell carcinoma t-cell-recognized antigen	1							o
src homology 2 domain containing f	1				o			
src homology 2 domain-containing transforming protein c3	1						o	
src-family tyrosine kinase sck-like	1	o						
src-like isoform cra_b	1	o						
srcr membrane form partial	1		o					
srebp cleavage-activating protein	1	o						
srr1-like protein	1	o						
sr-related ctd-associated factor 1	1	o						
sry (sex determining region y)-box 4	1	o						
sry-box containing gene 11a	1	o						
sry-box containing gene 1a	1					o		
sry-box containing gene 4	1						o	
sry-box containing gene 6b	1	o						
sry-box containing gene 7	1	o						
ss18-like protein 2	1	o						
st14a protein	1	o						
st3 beta-galactoside alpha- -sialyltransferase 3	1		o					
st3 beta-galactoside alpha- -sialyltransferase isoform cra_c	1		o					
st6 (alpha-n-acetyl-neuraminy- -beta-galactosyl-)-n-acetylgalactosaminide alpha- -sialyltransferase 2	1	o						
st8 alpha-n-acetyl-neuraminide alpha- -sialyltransferase 1	1						o	
st8 alpha-n-acetyl-neuraminide alpha- -sialyltransferase 5	1							o
stabilin 2	1					o		

stanniocalcin 2	1	o					
staphylococcal nuclease domain-containing protein 1	1	o					
starch branching enzyme iib	1						o
star-related lipid transfer protein 13	1	o					
start domain containing 10	1	o					
start domain containing 3	1		o				
stathmin-4-like isoform 2	1				o		
stathmin-like 4	1				o		
ste20-like serine threonine-protein kinase-like isoform 2	1					o	
ste20-related kinase adapter protein alpha	1				o		
steap family member 4	1	o					
stem-loop binding protein	1	o					
sterile alpha and tir motif-containing protein 1	1						o
sterile alpha motif domain containing 8	1	o					
sterile alpha motif domain containing 9	1	o					
sterile alpha motif domain-containing protein 13-like	1				o		
steroid sulfatase	1	o					
sterol 26- mitochondrial-like	1			o			
sterol carrier protein x-related thiolase	1		o				
sterol regulatory element binding transcription factor 2	1	o					
sterol regulatory element-binding protein 1	1	o					
sterol regulatory element-binding protein 2	1				o		
stim2 protein	1	o					
stk35 protein	1			o			
stomatin -like 2	1	o					
stomatin-like protein 1	1			o			
stonin-1	1	o					
stonustoxin alpha-subunit	1	o					
stonustoxin subunit alpha-like	1				o		
stress-70 mitochondrial	1	o					
stress-induced phosphoprotein 1	1	o					
stretchin- isoform d	1	o					
stromal cell-derived factor 1 precursor	1	o					
stromal cell-derived factor 1a	1	o					
stromal membrane-associated protein 1	1				o		
strongly-conserved zn-finger binding protein	1	o					
structural maintenance of subfamily member 14	1				o		
subfamily member 16	1					o	
subfamily member 17	1			o			
subfamily member a1	1		o				
subfamily member a3-like	1						o
succinate dehydrogenase assembly factor mitochondrial	1				o		
succinate dehydrogenase subunit flavoprotein	1	o					
succinate dehydrogenase subunit integral membrane protein	1				o		
sugar phosphate exchanger 2	1		o				
sugar phosphate exchanger 3	1						o
sugar phosphate exchanger 3-like	1						o
sugar transporter sweet1-like	1						o
sulfatase isoform cra_a	1	o					
sulfatase modifying factor 2	1	o					
sulfatase-modifying factor 1 precursor	1	o					
sulfated glycoprotein 1 isoform c preproprotein	1		o				

sulfite oxidase	1	o			
sulfotransferase 4a1	1				o
sumo1 sentrin specific peptidase 1	1	o			
sumo1 sentrin specific peptidase 6	1	o			
sumo-activating enzyme subunit 2	1	o			
superkiller viralicidic activity 2-like (cerevisiae)	1				o
suppression of tumorigenicity 1	1	o			
suppression of tumorigenicity 5	1		o		
suppressor of cytokine signaling 2	1		o		
suppressor of cytokine signaling 9	1	o			
suppressor of g2 allele of skp1	1		o		
suppressor of sable-like	1	o			
suppressor of tumorigenicity 7 protein homolog	1				o
suppressor of variegation 4-20 homolog 1	1	o			
suppressor of variegation 4-20 homolog 2	1	o			
suppressor of ypt1	1		o		
surf6_fugru ame: full=surfeit locus protein 6 homolog	1			o	
surface antigen protein 2	1			o	
surface-anchored protein	1	o			
surfeit 4	1		o		
surfeit locus protein 1	1			o	
survival motor neuron protein	1			o	
survival of motor neuron protein-interacting protein 1	1	o			
sushi repeat-containing protein srpx2 precursor	1	o			
sushi-domain containing secreted protein with a signal low complexity region followed by a sushi domain	1	o			
sushi-repeat-containing protein	1		o		
sushi-repeat-containing x-linked	1	o			
suv420h2 protein	1	o			
swi snf-related matrix-associated actin-dependent regulator of chromatin subfamily a-like protein 1-like	1			o	
swi snf-related matrix-associated actin-dependent regulator of chromatin subfamily b member 1	1		o		
switch-associated protein 70-like	1				o
sy63_disom ame: full=synaptotagmin-c ame: full=synaptic vesicle protein o-p65-c	1	o			
synapse associated protein sap47 homolog	1		o		
synapse-associated protein 1	1		o		
synapsin i	1			o	
synapsin ii	1			o	
synapsin iii	1	o			
synapsin iii isoform 1	1			o	
synapsin-3 variant	1				o
synaptic ras gtpase activating protein 1 homolog	1				o
synaptic vesicle 2-related protein	1			o	
synaptic vesicle glycoprotein 2a-like	1			o	
synaptic vesicle glycoprotein 2c	1			o	
synaptic vesicle membrane protein vat-1 homolog	1	o			
synaptic vesicle protein 2b homolog	1		o		
synaptobrevin homolog ykt6	1		o		

synaptojanin 1 isoform a	1				0	
synaptonemal complex protein 3	1		0			
synaptosomal-associated 91kda homolog	1				0	
synaptotagmin 1	1				0	
synaptotagmin cytoplasmic rna interacting protein	1	0				
synaptotagmin iia	1				0	
synaptotagmin isoform cra_c	1					0
synaptotagmin iv	1				0	
synaptotagmin xvi	1	0				
syncrip protein	1		0			
syndecan 2	1	0				
syndecan 3	1				0	
syndecan 3-like	1					0
synj1 protein	1				0	
synovial x breakpoint 2 interacting protein	1			0		
syntaxin 19	1	0				
syntaxin 1a	1		0			
syntaxin binding protein 2	1	0				
syntaxin binding protein 5	1		0			
syntaxin binding protein 5 isoform 2	1				0	
syntaxin binding protein 5-like	1	0				
syntaxin binding protein 6	1				0	
syntaxin-binding protein 1-like	1					0
syntaxin-binding protein 2	1			0		
sys1 homolog	1	0				
syt7 partial	1					0
t calcium channel alpha 1g subunit variant 88	1				0	
t cell receptor alpha	1	0				
t- immune regulator h+ lysosomal v0 subunit a3	1	0				
tachykinin 3	1				0	
tachykinin receptor 1	1				0	
taf10 rna polymerase tata box binding protein - associated 30kda	1					0
tafazzin	1	0				
tail-specific thyroid hormone up-regulated (gene 5)	1	0				
talin 2	1	0				
tao kinase 1	1	0				
tapasin-related protein	1	0				
tap-binding protein	1		0			
target of rapamycin complex 2 subunit mapkap1	1	0				
targeting protein for xklp2	1	0				
tata box binding protein -associated rna polymerase 48kda	1		0			
tata box-binding protein 1	1					0
tata element modulatory factor 1	1	0				
tau-tubulin kinase 1	1					0
tau-tubulin kinase 2	1				0	
tax1 (human t-cell leukemia virus type i) binding protein 1	1	0				
tax1-binding protein 1 homolog isoform 1	1		0			
tbc (tre-2 bub2 cdc16) domain family member (tbc-2)- partial	1			0		
tbc1 domain family member 5	1	0				
tbc1 domain family member 8b	1		0			
tbc1 domain family member 9	1					0
tbc1 domain member 10a	1		0			

tbc1 domain member 14	1			o	
tbc1 domain member 25	1	o			
tbc1 domain member 7	1	o			
tbc1 domain member 8	1		o		
tbc1 domain member 8 (with gram domain)	1	o			
t-box 1	1			o	
t-box brain protein 1	1	o			
tbp-associated factor 4-like	1	o			
tbp-like 1	1	o			
tbt-binding protein	1		o		
tcb1 transposase	1	o			
tcdd-inducible poly(adp-ribose) polymerase	1		o		
t-cell activation rho gtpase-activating protein	1			o	
t-cell lymphoma invasion and metastasis 2	1	o			
t-cell surface antigen cd2 precursor	1			o	
t-cell-specific surface glycoprotein cd28 precursor	1		o		
tcf3 protein	1				o
tcf7l2 protein	1	o			
t-complex protein 1 subunit alpha-like	1				o
t-complex protein 1 subunit eta-like	1				o
t-complex protein 1 subunit gamma-like isoform 2	1			o	
t-complex protein 1 subunit theta-like	1				o
tdp-glucose -dehydratase	1	o			
tdrd9_danre ame: full= atp-dependent rna helicase tdrd9 ame: full=tudor domain-containing protein 9	1	o			
tea domain family member 4	1	o			
tead1 protein	1	o			
teashirt family zinc finger 1	1	o			
teashirt homolog 3-like	1				o
teashirt zinc finger homeobox 3	1	o			
tec protein tyrosine isoform cra_a	1			o	
tec protein tyrosine kinase	1	o			
tectonin beta-propeller repeat-containing protein 1	1	o			
telomerase protein component 1	1	o			
telomerase protein component 1-like	1		o		
telomerase reverse transcriptase	1			o	
telomerase-associated protein 1	1	o			
telomeric repeat binding factor (nima-interacting) 1	1		o		
telomeric repeat binding factor 1	1		o		
temporarily assigned gene name family member (tag-163)-like	1	o			
tenascin n	1	o			
teneurin-2 isoform 1	1			o	
tensin	1	o			
tensin 1	1			o	
tensin 3	1		o		
terminal uridylyltransferase 4	1	o			
testis derived transcript	1	o			
testis-expressed sequence 10 protein homolog	1	o			
testis-expressed sequence 10 protein isoform 2	1			o	
testis-expressed sequence 12 protein	1	o			
tetracycline transporter-like protein	1	o			
tetraspanin 11	1		o		
tetraspanin 12	1	o			

tetraspanin 14	1		o		
tetraspanin 18b	1				o
tetraspanin 9	1	o			
tetraspanin isoform cra_b	1			o	
tetraspanin-1	1		o		
tetraspanin-13-like	1			o	
tetraspanin-3-like isoform 1	1				o
tetraspanin-4	1				o
tetratricopeptide ankyrin repeat and coiled-coil containing 2	1	o			
tetratricopeptide repeat domain 8	1	o			
tetratricopeptide repeat domain isoform cra_a	1	o			
tetratricopeptide repeat protein 17	1			o	
tetratricopeptide repeat protein 39b	1			o	
tetratricopeptide repeat protein 4	1			o	
tetratricopeptide repeat protein 5	1				o
tfiiia p55	1	o			
tfiih basal transcription factor complex helicase subunit	1				o
tgf-beta inducible early protein	1	o			
tgf-beta receptor type-2	1	o			
thap domain apoptosis associated protein 1	1	o			
thap domain containing 11	1			o	
thap domain containing 11-like	1	o			
thap domain containing 4	1	o			
thap domain containing 6	1	o			
thap domain-containing protein 11	1				o
thap domain-containing protein 5	1			o	
thap domain-containing protein 9-like	1			o	
thiamine-triphosphatase	1				o
thiazide sensitive na-cl co- solute carrier family member 3	1	o			
thioesterase superfamily member 2	1	o			
thiolester containing protein ii- partial	1		o		
thioredoxin domain containing 15	1		o		
thioredoxin domain-containing protein 1	1			o	
thioredoxin domain-containing protein 15-like	1				o
thioredoxin reductase 3	1		o		
thioredoxin-like 4b	1	o			
thioredoxin-like protein 1	1		o		
tho complex 7 homolog	1		o		
tho complex subunit 2	1				o
tho complex subunit 2-like	1				o
threonine aldolase 1	1		o		
threonyl-trna synthetase-like 2	1		o		
thrombin protein	1			o	
thrombospondin 4	1	o			
thrombospondin type-1 domain-containing protein 7a-like	1				o
thump domain containing 2	1	o			
thump domain containing 3	1	o			
thump domain-containing protein 1-like	1			o	
thymidine kinase mitochondrial	1				o
thymidine phosphorylase	1		o		
thymidylate synthase	1	o			
thymine-dna glycosylase-like	1	o			
thymine-dna isoform cra_a	1	o			
thymocyte selection-associated high mobility group box protein tox	1				o
thymosin beta-4	1			o	

thyroid adenoma-associated protein homolog	1				o
thyroid hormone receptor interactor 10	1		o		
thyroid hormone receptor-associated protein 3	1	o			
thyroid transcription factor 1-associated protein 26	1				o
thyrotroph embryonic factor	1			o	
thyrotrophic embryonic factor	1		o		
thyrotropin beta subunit	1			o	
thyrotropin-releasing hormone degrading enzyme	1				o
tight junction protein 1 (zona occludens 1)	1	o			
tight junction protein zo-1-like	1			o	
timeless interacting protein	1	o			
tiny fragments locus 9c	1	o			
tip41-like protein	1	o			
tissue factor pathway inhibitor 2	1			o	
titin b	1	o			
tlc domain containing 1	1	o			
t-lymphoma invasion and metastasis-inducing protein 1-like	1			o	
tmem132d protein	1	o			
tmem16d protein	1		o		
tmem214 protein	1		o		
tmo-4c4	1	o			
tnf receptor-associated factor 2	1		o		
tnf receptor-associated factor 2-like	1		o		
tnf receptor-associated factor 3	1		o		
tnf receptor-associated factor 3-like isoform 1	1		o		
tnf superfamily member 14	1			o	
tnf-alpha converting enzyme	1				o
toll interacting protein	1		o		
toll-like receptor 22	1	o			
toll-like receptor adaptor molecule	1	o			
toll-like receptor adaptor molecule 1	1	o			
tolloid-like 2	1		o		
tom1 protein	1		o		
tom1-like protein 2	1			o	
top2a protein	1			o	
topoisomerase like	1				o
torsin a interacting protein 2	1			o	
torsin family member a	1		o		
torsin family member a (torsin a)	1			o	
torsin-1a-interacting protein 2-like	1				o
tousled-like kinase 2	1				o
tox high mobility group box family member 4	1			o	
tp53 apoptosis effector	1	o			
tp53 dependent g2 arrest mediator candidate	1				o
tp53-regulated inhibitor of apoptosis 1	1	o			
tp53rk-binding protein	1	o			
tpa: leukemia inhibitory factor	1		o		
tpa: lim-domain-binding protein 4b	1		o		
tpa: zinc finger protein	1	o			
tpa_exp: claudin 25b	1		o		
tpa_exp: claudin 3a	1	o			
tpa_exp: claudin 3b	1			o	
tpa_exp: fxyd7b	1				o
tpa_exp: pol polyprotein	1	o			
tpa_exp: ubiquitin	1		o		
tpa_inf: aldehyde reductase	1			o	

tpa_inf: fam20a	1	o				
tpa_inf: fam20c4	1			o		
tpa_inf: twist2	1				o	
tpa-induced transmembrane protein homolog	1	o				
tpr domain protein	1	o				
trab domain-containing protein	1			o		
traf family member-associated nfkb activator	1	o				
traf2 and nck-interacting protein kinase-like	1				o	
trafficking protein particle complex 1	1		o			
trafficking protein particle complex 9	1	o				
trafficking protein particle complex subunit 10	1				o	
traf-interacting protein	1			o		
traf-type zinc finger domain containing 1	1	o				
traf-type zinc finger domain-containing protein 1	1			o		
trans- -enoyl- reductase	1		o			
trans- -enoyl- reductase-like	1					o
trans golgi network protease furin	1			o		
trans-2-enoyl- mitochondrial precursor	1		o			
transcription cofactor vestigial-like protein 2	1	o				
transcription factor 12	1	o				
transcription factor 7-like 1 (t-cell hmg-box)	1					o
transcription factor 7-like 2 (t-cell hmg-box)	1				o	
transcription factor ap-2 beta	1			o		
transcription factor binding to ighm enhancer 3a	1	o				
transcription factor coe1-like	1				o	
transcription factor coe3	1					o
transcription factor coe3-like isoform 1	1	o				
transcription factor cp2	1		o			
transcription factor cp2-like protein 1-like	1		o			
transcription factor e2f6	1			o		
transcription factor e3	1				o	
transcription factor etv7-like	1		o			
transcription factor gata-6-like	1		o			
transcription factor hes-1	1			o		
transcription factor jun-b	1		o			
transcription factor maf	1	o				
transcription factor mitochondrial precursor	1	o				
transcription factor sox-1	1			o		
transcription factor sox-2	1					o
transcription factor sp2-like	1				o	
transcription factor sp9	1				o	
transcription factor tfiiib component b homolog	1	o				
transcription initiation factor iia subunit 1	1	o				
transcription initiation factor tfiid subunit 1-like	1	o				
transcription initiation factor tfiid subunit 8	1	o				
transcription termination rna polymerase i	1	o				
transcriptional enhancer factor tef-1	1	o				
transcriptional intermediary factor 1 gamma	1		o			
transcriptional regulator kaiso	1				o	
transcriptional repressor nf-x1-like	1			o		
transcriptional repressor protein yy1	1	o				
transducin -like 3	1			o		
transducin-like enhancer protein 1	1			o		
transferrin receptor	1	o				

transformation related protein 53 binding protein 1	1				o
transformation related protein 63 regulated like	1				o
transformer 2b isoform 2	1			o	
transformer-2 protein homolog beta	1		o		
transforming acidic coiled coil 1a	1	o			
transforming acidic coiled coil 1b isoform a	1				o
transforming acidic coiled-coil-containing protein 1 isoform 2	1				o
transforming growth factor beta 3	1		o		
transforming growth factor beta regulator 1	1			o	
transforming growth factor beta regulator 4	1				o
transforming growth factor-beta-induced protein ig-h3	1	o			
transforming growth factor-beta-induced protein ig-h3 precursor	1				o
transgelin 3	1				o
transglutaminase 1 (k polypeptide epidermal type protein-glutamine-gamma-glutamyltransferase)	1	o			
transglutaminase 2 (c protein-glutamine-gamma-glutamyltransferase)	1	o			
transglutaminase 5	1	o			
transglycosylase slt domain protein	1				o
transient receptor potential cation channel subfamily m member 5	1				o
transient receptor potential cation subfamily member 2	1				o
transient receptor potential cation subfamily member 3	1				o
transient receptor potential cation subfamily member 6	1	o			
transitional endoplasmic reticulum atpase	1	o			
transitional endoplasmic reticulum atpase ter94	1				o
transketolase-like protein 2	1				o
translation elongation factor ef-2	1				o
translation initiation factor eif-2b subunit gamma	1				o
translation initiation factor if- mitochondrial-like	1				o
translation initiation factor if-2	1	o			
translation repressor nat1	1				o
translin	1		o		
translin-associated factor x	1		o		
translocase of outer mitochondrial membrane 34	1		o		
translocated promoter region (to activated met oncogene)	1		o		
translocating chain-associated membrane protein 1-like 1-like	1				o
translocation associated membrane protein 1	1		o		
translocon-associated protein subunit alpha	1			o	
transmembrane 4 l six family member 5	1		o		
transmembrane 4 l6 family member 1	1	o			
transmembrane 4 l6 family member 4-like	1				o
transmembrane 4 l6 family member 5-like	1				o
transmembrane 4 superfamily member 1	1		o		
transmembrane 4 superfamily member 2	1				o

transmembrane 6 superfamily member 2	1		o		
transmembrane 7 superfamily member 2	1		o		
transmembrane 7 superfamily member 3	1		o		
transmembrane 9 superfamily protein member 4	1	o			
transmembrane and coiled-coil domain family 1	1				o
transmembrane and coiled-coil domain family 2	1		o		
transmembrane and coiled-coil domain-containing protein 1	1			o	
transmembrane and coiled-coil domain-containing protein 6	1	o			
transmembrane and coiled-coil domains 4	1			o	
transmembrane and tetratricopeptide repeat containing 2	1				o
transmembrane and tetratricopeptide repeat containing 3	1	o			
transmembrane and tetratricopeptide repeat containing 4	1				o
transmembrane and ubiquitin-like domain-containing protein 2	1		o		
transmembrane anterior posterior transformation 1	1				o
transmembrane bax inhibitor motif containing 1	1				o
transmembrane bax inhibitor motif containing 6	1			o	
transmembrane channel-like 6	1			o	
transmembrane channel-like protein 6	1				o
transmembrane emp24 domain-containing protein 1 precursor	1	o			
transmembrane emp24 domain-containing protein 7	1		o		
transmembrane emp24 domain-containing protein 7 precursor	1			o	
transmembrane emp24 domain-containing protein 9-like	1				o
transmembrane emp24 protein transport domain containing 6	1		o		
transmembrane phosphoinositide 3-phosphatase and tensin homolog 2	1	o			
transmembrane protein 101	1	o			
transmembrane protein 107	1	o			
transmembrane protein 110	1		o		
transmembrane protein 119	1	o			
transmembrane protein 127	1	o			
transmembrane protein 131-like	1				o
transmembrane protein 132e	1				o
transmembrane protein 135	1	o			
transmembrane protein 136	1				o
transmembrane protein 138	1			o	
transmembrane protein 145-like	1				o
transmembrane protein 14c-like	1				o
transmembrane protein 151b	1	o			
transmembrane protein 164	1	o			
transmembrane protein 167a	1		o		
transmembrane protein 16a	1			o	
transmembrane protein 16f	1	o			
transmembrane protein 16k	1		o		

transmembrane protein 175	1				0	
transmembrane protein 178-like	1					0
transmembrane protein 180	1			0		
transmembrane protein 180-like	1	0				
transmembrane protein 182 precursor	1	0				
transmembrane protein 20	1		0			
transmembrane protein 200a-like	1					0
transmembrane protein 204	1	0				
transmembrane protein 214	1	0				
transmembrane protein 218	1	0				
transmembrane protein 223	1	0				
transmembrane protein 223-like	1					0
transmembrane protein 229b	1		0			
transmembrane protein 231	1	0				
transmembrane protein 233-like	1	0				
transmembrane protein 238	1			0		
transmembrane protein 25 isoform 1	1					0
transmembrane protein 42-like	1				0	
transmembrane protein 43	1	0				
transmembrane protein 48	1	0				
transmembrane protein 5	1	0				
transmembrane protein 55a	1					0
transmembrane protein 56	1					0
transmembrane protein 57	1				0	
transmembrane protein 59-like	1				0	
transmembrane protein 60	1	0				
transmembrane protein 62	1				0	
transmembrane protein 63a	1				0	
transmembrane protein 70	1		0			
transmembrane protein 87a-like isoform 2	1	0				
transmembrane protein 97	1		0			
transmembrane protein 9b precursor	1			0		
transmembrane protein c15orf27-like	1			0		
transmembrane protein c18orf45 homolog	1		0			
transmembrane protein c1orf70-like	1				0	
transmembrane protein c20orf108	1	0				
transmembrane protein c3orf1 homolog	1		0			
transmembrane protein c5orf28-like	1					0
transmembrane protein c9orf123-like	1		0			
transmembrane protein c9orf91 homolog	1	0				
transmembrane protein isoform cra_b	1	0				
transposable element tc3	1				0	
transposable element tc3 transposase	1				0	
transposase [Danio rerio]	1				0	
Transposase [Dicentrarchus labrax]	1		0			
transposase [Strongylocentrotus purpuratus]	1					0
transposon-derived buster3 transposase-like	1			0		
trf1-interacting ankyrin-related adp-ribose polymerase	1				0	
tribbles homolog 2	1	0				
tributyltin-binding protein type 1	1		0			
trichorhinophalangeal syndrome i	1	0				
trifunctional enzyme subunit mitochondrial	1					0
trimethylguanosine synthase	1	0				
trimethyllysine epsilon	1	0				
trinucleotide repeat containing 4 isoform cra_a	1					0
triose phosphate isomerase	1			0		
tripartite motif protein 16	1		0			
tripartite motif-containing 32	1	0				
tripartite motif-containing 33	1			0		

tripartite motif-containing 36	1				o	
tripartite motif-containing 46	1				o	
tripartite motif-containing 59	1	o				
tripartite motif-containing 8	1	o				
tripartite motif-containing protein 16 isoform 1	1		o			
tripartite motif-containing protein 2 isoform 1	1				o	
tripartite motif-containing protein 35-like	1		o			
tripartite motif-containing protein 39-like	1			o		
tripartite motif-containing protein 46-like	1					o
tripartite motif-containing protein 72	1		o			
tripeptidyl peptidase ii	1	o				
tripeptidyl peptidase ii isoform 1	1	o				
tripeptidyl-peptidase 2	1					o
triple helix repeat-containing collagen	1	o				
trna (cytosine-5-)-methyltransferase	1					o
trna (uracil-5-)-methyltransferase homolog a	1			o		
trna 2 -phosphotransferase 1	1	o				
trna aspartic acid methyltransferase 1	1	o				
trna guanosine-2 -o-methyltransferase trm11 homolog	1	o				
trna selenocysteine associated protein 1	1			o		
trna selenocysteine-associated protein 1 secp43	1			o		
trna splicing endonuclease 15 homolog (cerevisiae)	1	o				
trna-dihydrouridine synthase 1-like	1			o		
trna-dihydrouridine synthase 2-like	1				o	
trna-specific adenosine deaminase 2	1	o				
trophoblast glyco	1			o		
trophozoite antigen	1			o		
tropomodulin 1	1	o				
tropomodulin 3	1				o	
tropomodulin-2 isoform 2	1	o				
tropomyosin 3	1	o				
tropomyosin 3 isoform 2 isoform 2	1	o				
tropomyosin alpha-1 chain	1			o		
tropomyosin alpha-4 chain isoform 1	1	o				
troponin c	1	o				
troponin c-akin-1 protein	1			o		
troponin cardiac	1	o				
troponin i	1	o				
troponin i fast skeletal muscle	1	o				
truncated cell wall surface anchor family protein (fragment 2)	1	o				
truncated herc6	1	o				
trypsin	1		o			
trypsinogen 1	1		o			
trypsinogen 2 precursor	1		o			
trypsinogen i	1				o	
trypsinogen y	1			o		
tryptase-2 precursor	1	o				
tryptophan hydroxylase	1				o	
tryptophan-rich antigen 74	1					o
tsc22 domain family protein 1 isoform 1	1	o				
tshz1 protein	1			o		
tso1-like transcription factor	1			o		
tspan7 protein	1					o
tsukushin-like isoform 1	1		o			
ttk protein kinase	1		o			

tuba1 protein	1		o	
tubb2a protein	1			o
tubby like protein 4	1		o	
tubby protein homolog	1		o	
tubby-related protein 4-like	1		o	
tuberin isoform 1	1		o	
tuberin-like protein 1	1	o		
tuberous sclerosis 1	1		o	
tubulin a	1			o
tubulin alpha 2	1		o	
tubulin alpha-1a chain- partial	1		o	
tubulin alpha-1c chain isoform 1	1			o
tubulin alpha-8 chain- partial	1			o
tubulin beta chain	1			o
tubulin beta-2a chain-like	1			o
tubulin beta-4 chain-like	1	o		
tubulin delta chain-like	1			o
tubulin folding cofactor e-like	1	o		
tubulin gamma-1 chain-like	1			o
tubulin polymerization-promoting protein	1	o		
tubulin polymerization-promoting protein family member 3	1			o
tubulin tyrosine ligase	1	o		
tubulin-folding cofactor b	1			o
tubulointerstitial nephritis antigen-like 1	1	o		
tudor domain containing 7	1		o	
tudor domain-containing protein 1	1	o		
tudor domain-containing protein 3	1	o		
tuftelin-like	1			o
tumor necrosis alpha-induced protein 2	1	o		
tumor necrosis alpha-induced protein 6	1	o		
tumor necrosis alpha-induced protein 8-like 3	1		o	
tumor necrosis factor ligand superfamily member 13b	1		o	
tumor necrosis factor member 15	1		o	
tumor necrosis factor receptor member 11b	1	o		
tumor necrosis factor receptor member 1b	1	o		
tumor necrosis factor receptor superfamily member 5 precursor	1	o		
tumor necrosis factor receptor superfamily member 6	1	o		
tumor necrosis factor receptor superfamily member 6 precursor	1			o
tumor protein d52-like 1	1		o	
tumor protein p53 binding protein 1	1			o
tumor protein p53 inducible protein 5	1			o
tumor protein p53-inducible nuclear protein 2	1		o	
tumor protein p53-inducible nuclear protein 2-like	1	o		
tumor protein p53-inducible protein 11	1	o		
tumor protein p63 regulated 1-like	1			o
tumor protein p63-regulated gene 1-like protein	1	o		
tumor suppressor candidate 4	1	o		
tumor suppressor p53-binding protein 1	1			o
tumor suppressor p53-binding protein 1-like	1			o
tweety homolog 2	1			o
tweety homolog 3	1			o
twist homolog 2	1	o		
twisted gastrulation	1	o		

twisted gastrulation homolog 1	1	o			
twisted gastrulation protein homolog 1-like	1			o	
type alpha 3 (goodpasture antigen) binding isoform cra_a	1		o		
type alpha 3-like isoform 4	1	o			
-type and c3hc4-type zinc finger-containing protein 1	1			o	
type i inositol- -bisphosphate 4-phosphatase-like	1			o	
type i iodothyronine deiodinase	1			o	
type i keratin e7	1		o		
type i transmembrane receptor	1				o
type ii cax cation proton partial	1	o			
type ii inositol- -trisphosphate 5-phosphatase-like	1	o			
type iia procollagen	1	o			
type iii iodothyronine deiodinase	1		o		
type xxviii	1	o			
type-1 angiotensin ii receptor-associated	1			o	
type-2 ice-structuring protein precursor	1				o
type-4 ice-structuring protein precursor	1				o
tyrosine 3-monooxygenase tryptophan 5-monooxygenase activation beta polypeptide	1			o	
tyrosine 3-monooxygenase tryptophan 5-monooxygenase activation theta polypeptide a	1				o
tyrosine 3-monooxygenase tryptophan 5-monooxygenase activation zeta polypeptide	1			o	
tyrosine protein kinase	1			o	
tyrosine recombinase- partial	1	o			
tyrosine-protein kinase abl1-like	1	o			
tyrosine-protein kinase csk-like	1				o
tyrosine-protein kinase frk-like	1			o	
tyrosine-protein kinase fyn-like isoform 2	1				o
tyrosine-protein kinase jak2	1			o	
tyrosine-protein kinase lyn	1				o
tyrosine-protein kinase syk	1				o
tyrosine-protein phosphatase non-receptor type 13	1	o			
tyrosine-protein phosphatase non-receptor type 13 isoform 1	1			o	
tyrosine-protein phosphatase non-receptor type 13 isoform 2	1			o	
tyrosine-protein phosphatase non-receptor type 13 isoform 3	1				o
tyrosine-protein phosphatase non-receptor type 21	1	o			
tyrosine-protein phosphatase non-receptor type 6	1	o			
tyrosyl-trna cytoplasmic	1				o
u2 small nuclear rna auxiliary factor 1-like 2	1	o			
u2 small nuclear rna auxiliary factor 2 isoform b	1	o			
u3 small nucleolar homolog a	1	o			
u3 small nucleolar rna-associated protein 15 homolog	1	o			
u4 tri-snrnp-associated protein 1-like	1			o	
u4 u6 small nuclear ribonucleoprotein prp3	1	o			
u88_hhv6u ame: full=uncharacterized protein u88	1			o	

ubc protein	1								0
ube2g1 protein	1		0						
ubiquinol-cytochrome c reductase complex chaperone	1		0						
ubiquinol-cytochrome c reductase complex chaperone cbp3 homolog	1								0
ubiquinol-cytochrome c reductase iron-sulfur subunit	1					0			
ubiquinone biosynthesis protein coq4 mitochondrial	1						0		
ubiquinone menaquinone biosynthesis methyltransferase	1		0						
ubiquitin associated protein 2	1		0						
ubiquitin associated protein 2-like	1		0						
ubiquitin b	1								0
ubiquitin carboxyl-terminal	1							0	
ubiquitin carboxyl-terminal hydrolase	1		0						
ubiquitin carboxyl-terminal hydrolase 12	1		0						
ubiquitin carboxyl-terminal hydrolase 15-like isoform 1	1						0		
ubiquitin carboxyl-terminal hydrolase 19 isoform 3	1		0						
ubiquitin carboxyl-terminal hydrolase 25	1								0
ubiquitin carboxyl-terminal hydrolase 3	1								0
ubiquitin carboxyl-terminal hydrolase 30	1		0						
ubiquitin carboxyl-terminal hydrolase 31	1						0		
ubiquitin carboxyl-terminal hydrolase 33	1							0	
ubiquitin carboxyl-terminal hydrolase 34	1					0			
ubiquitin carboxyl-terminal hydrolase 36	1					0			
ubiquitin carboxyl-terminal hydrolase 47-like	1						0		
ubiquitin carboxyl-terminal hydrolase 4-like	1		0						
ubiquitin carboxyl-terminal hydrolase 8	1						0		
ubiquitin carboxyl-terminal hydrolase bap1	1		0						
ubiquitin carboxyl-terminal hydrolase cyld-like	1		0						
ubiquitin carboxyl-terminal hydrolase isozyme 15	1				0				
ubiquitin conjugating enzyme protein 13	1						0		
ubiquitin conjugation factor e4	1		0						
ubiquitin conjugation factor e4 a	1					0			
ubiquitin conjugation factor e4 b-like	1					0			
ubiquitin domain-containing protein	1		0						
ubiquitin domain-containing protein 1-like	1								0
ubiquitin family protein	1				0				
ubiquitin processing protease	1		0						
ubiquitin protein ligase e3c	1		0						
ubiquitin specific peptidase 10	1		0						
ubiquitin specific peptidase 13 (isopeptidase t-3)	1		0						
ubiquitin specific peptidase 14 (trna-guanine transglycosylase)	1		0						
ubiquitin specific peptidase 16	1		0						
ubiquitin specific peptidase 19	1		0						
ubiquitin specific peptidase 2	1		0						
ubiquitin specific peptidase 31	1						0		
ubiquitin specific peptidase 33	1		0						
ubiquitin specific peptidase 45	1		0						
ubiquitin specific peptidase 5 (isopeptidase t)	1		0						
ubiquitin specific protease 18	1				0				
ubiquitin specific protease 25	1						0		

ubiquitin specific protease 39	1					o
ubiquitin specific protease x-linked isoform 2	1					o
ubiquitin thioesterase otu1	1	o				
ubiquitin-60s ribosomal protein l40	1		o			
ubiquitin-conjugating enzyme e2	1	o				
ubiquitin-conjugating enzyme e2 a-like	1			o		
ubiquitin-conjugating enzyme e2 d1	1			o		
ubiquitin-conjugating enzyme e2 q2	1					o
ubiquitin-conjugating enzyme e2 q2-like	1		o			
ubiquitin-conjugating enzyme e2c-binding protein	1			o		
ubiquitin-conjugating enzyme e2d 3 (ubc4 5 yeast) isoform cra_a	1		o			
ubiquitin-conjugating enzyme e2g 2	1					o
ubiquitin-conjugating enzyme e2m	1	o				
ubiquitin-conjugating enzyme e2q 2	1		o			
ubiquitin-conjugating enzyme e2q family member 1	1	o				
ubiquitin-conjugating enzyme e2s	1		o			
ubiquitin-conjugating enzyme family protein	1	o				
ubiquitin-like 4a	1					o
ubiquitin-like modifier activating enzyme 1	1			o		
ubiquitin-like modifier activating enzyme 6	1	o				
ubiquitin-like protein atg12	1					o
ubiquitin-like protein atg12-like	1			o		
ubiquitin-protein ligase e3c	1		o			
ubiquitin-ribosomal protein fusion s27a	1		o			
ubiquitin-specific peptidase 46 (c19 family)	1	o				
u-box domain containing protein	1			o		
ubx domain protein 2a	1					o
ubx domain-containing protein 1	1		o			
ubx domain-containing protein 2a	1	o				
ubx domain-containing protein 2a-like	1					o
ubxn6 protein	1	o				
uchl5 interacting protein	1	o				
udp- c:beta- -n-acetylgalactosaminyltransferase 1	1	o				
udp- c:betagal beta- -n-acetylglucosaminyltransferase 7	1					o
udp glucuronosyltransferase 2b10-like isoform 2	1			o		
udp glucuronosyltransferase 5 polypeptide f1	1		o			
udp glucuronosyltransferase 5 polypeptide g2 precursor	1			o		
udp-gal:beta c beta - polypeptide 2	1	o				
udp-gal:beta c beta - polypeptide 6	1	o				
udp-gal:beta c beta -galactosyltransferase 2-like	1	o				
udp-glucuronate decarboxylase 1	1	o				
udp-glucuronosyltransferase	1		o			
udp-glucuronosyltransferase 2a1-like isoform 2	1		o			
udp-glucuronosyltransferase 2b22	1	o				
udp-n-acetyl-alpha-d-galactosamine:polypeptide n-acetylgalactosaminyltransferase-like 1	1					o
udp-n-acetyl-alpha-d-galactosamine:polypeptide n-acetylgalactosaminyltransferase-like 2	1	o				

udp-n-acetylglucosamine transferase subunit alg14 homolog	1		o		
udp-n-acetylglucosamine transporter	1		o		
udp-n-acetylglucosamine--peptide n-acetylglucosaminyltransferase 110 kda subunit-like isoform 2	1			o	
ufm1-conjugating enzyme 1	1		o		
ugt1ab protein	1		o		
ump-cmp kinase mitochondrial-like	1	o			
unc-13 homolog a (elegans)	1			o	
unc-45 homolog a (elegans)	1		o		
unc-5 homolog c (elegans)	1			o	
unc-51-like kinase 1	1		o		
unc-84 homolog a (elegans)	1			o	
unc93-like protein mfsd11-like	1		o		
uncharacterized	1			o	
uncharacterized family 31 glucosidase kiaa1161-like	1			o	
uncharacterized oxidoreductase -like	1		o		
uncharacterized protein c10orf58-like	1				o
uncharacterized protein c10orf78-like	1	o			
uncharacterized protein c10orf88 homolog	1				o
uncharacterized protein c11orf46 homolog	1				o
uncharacterized protein c11orf57-like isoform 2	1		o		
uncharacterized protein c11orf65-like	1	o			
uncharacterized protein c12orf26-like	1			o	
uncharacterized protein c12orf4 homolog	1	o			
uncharacterized protein c12orf43 homolog	1			o	
uncharacterized protein c14orf138-like	1	o			
uncharacterized protein c14orf179 homolog	1			o	
uncharacterized protein c14orf28 homolog	1		o		
uncharacterized protein c15orf57 homolog	1				o
uncharacterized protein c15orf61-like	1		o		
uncharacterized protein c16orf45 homolog	1			o	
uncharacterized protein c16orf68-like	1	o			
uncharacterized protein c17orf89-like	1	o			
uncharacterized protein c18orf25-like	1			o	
uncharacterized protein c18orf25-like isoform 2	1	o			
uncharacterized protein c19orf29-like	1	o			
uncharacterized protein c19orf39 homolog	1				o
uncharacterized protein c1orf172 homolog	1			o	
uncharacterized protein c1orf210-like isoform 1	1		o		
uncharacterized protein c1orf31 homolog	1			o	
uncharacterized protein c20orf117-like	1	o			
uncharacterized protein c20orf160-like	1	o			
uncharacterized protein c20orf177-like	1			o	
uncharacterized protein c20orf72-like	1			o	
uncharacterized protein c21orf59-like	1			o	
uncharacterized protein c2orf64 homolog	1		o		
uncharacterized protein c2orf90- partial	1	o			
uncharacterized protein c3orf18-like	1				o
uncharacterized protein c3orf26 homolog	1			o	
uncharacterized protein c4orf29 homolog	1		o		
uncharacterized protein c4orf44 homolog	1				o
uncharacterized protein c4orf52-like	1			o	
uncharacterized protein c5orf34-like	1	o			
uncharacterized protein c5orf4-like	1			o	

uncharacterized protein c7orf30-like	1		o	
uncharacterized protein c7orf57 homolog isoform 2	1			o
uncharacterized protein c8orf4 homolog	1		o	
uncharacterized protein c8orf59 homolog	1		o	
uncharacterized protein c8orf76-like	1	o		
uncharacterized protein c9orf72-like	1		o	
uncharacterized protein c9orf78-like	1			o
uncharacterized protein cxorf57 homolog	1		o	
uncharacterized protein cxorf57-like	1	o		
uncharacterized protein kiaa0090 homolog	1			o
uncharacterized protein kiaa0146-like	1		o	
uncharacterized protein kiaa0408-like	1			o
uncharacterized protein kiaa0528-like	1	o		
uncharacterized protein kiaa0564-like	1			o
uncharacterized protein kiaa0895-like	1	o		
uncharacterized protein kiaa0895-like isoform 1	1			o
uncharacterized protein kiaa1310-like	1		o	
uncharacterized protein kiaa1539 homolog	1			o
uncharacterized protein kiaa1797-like	1		o	
uncharacterized protein kiaa2026-like	1	o		
uncharacterized protein loc100000381 precursor	1		o	
uncharacterized protein loc100034574	1		o	
uncharacterized protein loc100295268	1		o	
uncharacterized protein loc100507341	1			o
uncharacterized protein loc100802441	1		o	
uncharacterized protein loc285141-like	1			o
uncharacterized protein loc336578	1			o
uncharacterized protein loc388588 homolog isoform 1	1		o	
uncharacterized protein loc541387	1		o	
uncharacterized protein loc768125	1		o	
uncharacterized protein loc799220	1		o	
uncoordinated family member (unc-89)	1	o		
unique cartilage matrix-associated protein	1	o		
unkempt homolog-like	1	o		
unknow protein	1		o	
unknown protein [Clostridium botulinum NCTC 2916]	1			o
unknown protein [Siniperca chuatsi]	1	o		o
unknown protein [Streptococcus suis 98HAH33]	1			o
unnamed protein product [Oikopleura dioica]	1		o	
unnamed protein product [Ostreococcus tauri]	1			o
unnamed protein product [Trypanosoma congolense IL3000]	1		o	
unnamed protein product [Xenopus laevis]	1		o	
upf0452 protein c7orf41 homolog	1			o
upf0454 protein c12orf49-like isoform 1	1	o		
upf0454 protein c12orf49-like isoform 2	1	o		
upf0465 protein c5orf33-like	1		o	
upf0471 protein c1orf63 homolog	1			o
upf0480 protein c15orf24 homolog precursor	1		o	
upf0480 protein c15orf24-like	1		o	
upf0489 protein c5orf22-like	1	o		
upf0498 protein kiaa1191-like	1			o
upf0527 membrane protein	1		o	

upf0534 protein c4orf43 homolog	1		o		
upf0538 protein c2orf76 homolog	1				o
upf0538 protein c2orf76 homolog isoform 1	1				o
upf0542 protein c5orf43 homolog	1		o		
upf0547 protein c16orf87 homolog	1		o		
upf0549 protein c20orf43 homolog	1			o	
upf0550 protein c7orf28-like	1		o		
upf0551 protein mitochondrial-like	1		o		
upf0563 protein c17orf95 homolog	1		o		
upf0577 protein kiaa1324-like isoform 2	1				o
upf0598 protein c8orf82-like	1	o			
upf0606 protein c11orf41-like	1			o	
upf0628 protein c10orf96 homolog	1		o		
upf0638 protein b-like	1		o		
upf0640 protein c3orf78 homolog	1		o		
upf0663 transmembrane protein c17orf28 homolog	1		o		
upf0668 protein c10orf76 homolog	1				o
upf0668 protein c10orf76-like	1		o		
upf0669 protein c6orf120 homolog precursor	1		o		
upf0670 protein c8orf55 homolog	1				o
upf0683 protein c7orf47 homolog	1		o		
upf0690 protein c1orf52 homolog	1		o		
upf0692 protein c19orf54 homolog	1	o			
upf0705 protein c11orf49 homolog	1	o			
upf0712 protein c7orf64-like	1		o		
upf0723 protein c11orf83-like	1		o		
upf0764 protein c16orf89 homolog	1				o
upf2 regulator of nonsense transcripts homolog	1		o		
upf3 regulator of nonsense transcripts homolog b	1		o		
upstream transcription factor 1	1	o			
upstream transcription factor c-fos interacting urea erythrocyte	1	o			
urea erythrocyte	1		o		
uridine 5'-monophosphate synthase	1		o		
uridine diphosphate glucose pyrophosphatase	1				o
urokinase-type plasminogen activator	1	o			
usher syndrome 2a (autosomal mild)	1			o	
usp22 protein	1		o		
usp4 protein	1	o			
usp43 protein	1				o
utp--glucose-1-phosphate uridylyltransferase	1		o		
uv excision repair protein rad23 homolog a	1	o			
uv radiation resistance-associated gene protein	1	o			
uveal autoantigen with coiled-coil domains and ankyrin repeats	1	o			
vaccinia related kinase 3	1	o			
vacuolar atp synthase subunit f	1			o	
vacuolar atpase assembly integral membrane protein vma21-like	1				o
vacuolar protein sorting 13 homolog a	1	o			
vacuolar protein sorting 13 homolog b isoform 2	1	o			
vacuolar protein sorting 13 homolog d (cerevisiae)	1	o			
vacuolar protein sorting 13a-like	1		o		
vacuolar protein sorting 13c protein	1				o
vacuolar protein sorting 13d	1		o		
vacuolar protein sorting 36	1	o			

vacuolar protein sorting 39	1	o			
vacuolar protein sorting-associated protein 13b isoform 1	1			o	
vacuolar protein sorting-associated protein 13d-like	1			o	
vacuolar protein sorting-associated protein 16 homolog	1				o
vacuolar protein sorting-associated protein 16 homolog isoform 1	1	o			
vacuolar protein sorting-associated protein 33b	1	o			
vacuolar protein sorting-associated protein 45	1				o
vacuolar protein sorting-associated protein 45 isoform 2	1			o	
vacuolar protein sorting-associated protein 4a-like	1		o		
vacuolar protein sorting-associated protein 53 homolog	1			o	
vacuolar protein sorting-associated protein vta1 homolog	1			o	
vacuolar proton atpases	1				o
vacuolar proton pump subunit g 1	1				o
v-akt murine thymoma viral oncogene homolog 1	1	o			
valacyclovir hydrolase	1			o	
valacyclovir hydrolase precursor	1	o			
vapb protein	1		o		
vasa	1			o	
vascular cell adhesion molecule 1	1	o			
vascular endothelial growth factor d	1				o
vascular endothelial growth factor precursor	1		o		
vascular endothelial zinc finger 1	1	o			
vasoactive intestinal peptide receptor 1	1	o			
vasodilator-stimulated phosphoprotein	1	o			
vasotocin type 2 receptor	1		o		
v-atpase subunit a	1	o			
vcp protein	1	o			
veinlet-like 2	1	o			
venom dipeptidylpeptidase iv	1	o			
venom protein-2	1	o			
v-erb-b2 erythroblastic leukemia viral oncogene homolog 3b	1				o
versican core	1			o	
very low density lipoprotein receptor	1			o	
vesicle amine transport protein 1	1	o			
vesicle transport protein sec20-like	1		o		
vesicle transport protein sf2a	1		o		
vesicle-associated membrane protein 5	1			o	
vesicle-associated membrane protein-associated protein b	1			o	
vesicle-associated membrane protein-associated protein b c	1				o
vesicle-associated membrane protein-associated protein b c variant 3	1	o			
vesicle-trafficking protein sec22a	1			o	
vesicle-trafficking protein sec22b-like	1			o	
vesicular inhibitory amino acid transporter	1				o
vestigial like 4	1				o
vg1 protein	1			o	

vg56_ichva ame: full=uncharacterized protein orf56	1				o
v-ha-ras harvey rat sarcoma viral oncogene-like	1		o		
vip peptides-like	1			o	
vip36-like protein	1		o		
viral a-type inclusion	1	o			
viral a-type inclusion protein repeat containing protein	1			o	
viral complement control protein	1			o	
viral protein tpx	1				o
vitamin d receptor	1		o		
vitamin k epoxide reductase complex subunit 1	1	o			
vitamin k epoxide reductase complex subunit 1-like protein 1	1			o	
vitamin k-dependent gamma-carboxylase-like	1			o	
vitamin k-dependent protein c	1	o			
vitamin k-dependent protein z-like	1				o
vitelline envelope protein beta	1		o		
vitelline membrane outer layer 1 homolog	1	o			
vitellogenin a	1		o		
vitellogenin receptor	1				o
v-mos moloney murine sarcoma viral oncogene homolog	1			o	
v-myc myelocytomatosis viral oncogene homolog lung carcinoma derived	1	o			
voltage-dependent anion channel isoform cra_a	1				o
voltage-dependent anion-selective channel protein 2-like	1				o
voltage-dependent calcium channel gamma-7 subunit	1			o	
voltage-dependent p q-type calcium channel subunit alpha-1a-like	1				o
voltage-dependent t-type calcium channel subunit alpha-1h-like	1			o	
voltage-gated potassium channel	1			o	
voltage-gated potassium channel subunit beta-1	1			o	
vomeronasal type-2 receptor 1- partial	1			o	
vomeronasal type-2 receptor 1-like	1				o
vomeronasal type-2 receptor 26-like	1			o	
vps20-associated 1 homolog (cerevisiae)	1	o			
v-ral simian leukemia viral oncogene homolog b (ras related gtp binding protein)	1	o			
v-rel reticuloendotheliosis viral oncogene homolog	1	o			
v-set and immunoglobulin domain containing 10 like	1			o	
v-set and immunoglobulin domain-containing protein 10-like	1			o	
v-set and transmembrane domain containing 2	1				o
v-type proton atpase 116 kda subunit a isoform 1-like isoform 2	1			o	
v-type proton atpase 116 kda subunit a isoform 4	1				o
v-type proton atpase catalytic subunit a	1				o
v-type proton atpase subunit c 1-b-like	1			o	
v-type proton atpase subunit d 1	1			o	

was protein homolog associated with golgi membranes and microtubules	1	0			
wash complex subunit 7-like	1			0	
wbscr14 isoform 2	1		0		
wd repeat and fyve domain containing 2	1		0		
wd repeat and fyve domain containing 3 isoform 1	1				0
wd repeat and fyve domain containing 3 isoform 2	1		0		
wd repeat and fyve domain-containing protein 3	1				0
wd repeat and socs box-containing 1	1		0		
wd repeat and socs box-containing protein 2-like	1				0
wd repeat domain 12	1		0		
wd repeat domain 18	1			0	
wd repeat domain 19	1		0		
wd repeat domain 20	1		0		
wd repeat domain 26	1				0
wd repeat domain 4	1		0		
wd repeat domain 41	1		0		
wd repeat domain 47	1				0
wd repeat domain 59	1			0	
wd repeat domain 7	1				0
wd repeat domain 77	1			0	
wd repeat domain 81	1			0	
wd repeat domain phosphoinositide-interacting protein 2-like	1				0
wd repeat phosphoinositide interacting 2	1		0		
wd repeat-containing protein 1	1				0
wd repeat-containing protein 11	1				0
wd repeat-containing protein 17	1				0
wd repeat-containing protein 3	1		0		
wd repeat-containing protein 44	1		0		
wd repeat-containing protein 59	1				0
wd repeat-containing protein 61	1		0		
wd repeat-containing protein 7 isoform 1	1				0
wd repeat-containing protein 70	1		0		
wd repeat-containing protein 73	1				0
wd repeat-containing protein c10orf79-like	1				0
wd40 repeat-containing protein smu1	1				0
wdr5 protein	1				0
wd-repeat protein	1		0		
wee1 homolog (pombe)	1			0	
werner syndrome homolog	1			0	
wibg homolog	1				0
williams beuren syndrome chromosome region 27	1		0		
williams-beuren syndrome chromosomal region 18 protein homolog	1				0
williams-beuren syndrome chromosomal region 27 protein	1				0
wings apart-like homolog	1				0
wiskott-aldrich syndrome protein	1				0
wiskott-aldrich syndrome protein family member 2-like	1				0
with ankyrin repeat and ph domain 2	1		0		
with ankyrin repeat and ph domain 3	1		0		
with gtpase ankyrin repeat and ph domain 1	1				0
wnk lysine deficient protein kinase 1	1		0		

wnk lysine deficient protein kinase 3	1	o			
wnk lysine deficient protein kinase 3-like	1				o
wnt1 inducible signaling pathway protein 1	1	o			
wolf-hirschhorn syndrome candidate 1-like 1	1	o			
wolframin	1	o			
wsc domain-containing protein 2	1	o			
wu: partial	1	o			
wu:fa99c08 protein	1	o			
wu:fb54a03 protein	1	o			
wu:fd12d03 protein	1	o			
wu:fi13g07 protein	1		o		
wu:fy63c09 protein	1	o			
ww domain-containing oxidoreductase	1				o
xaa-pro aminopeptidase 1	1				o
xanthine dehydrogenase	1		o		
xanthine dehydrogenase oxidase	1			o	
xdrp1 protein	1			o	
xin actin-binding repeat containing 2 isoform 1	1	o			
xk-related protein 2b	1	o			
xnf7 protein	1		o		
xnop56 protein	1			o	
xpg-complementing protein	1		o		
x-ray repair complementing defective repair in chinese hamster cells 1	1	o			
x-ray repair complementing defective repair in chinese hamster cells 5	1	o			
x-ray repair complementing defective repair in chinese hamster cells 5 (double-strand-break rejoining ku 80kda)	1				o
x-ray repair complementing defective repair in chinese hamster cells isoform cra_b	1		o		
x-ray repair cross-complementing protein 5	1				o
xylulokinase homolog	1	o			
xylulokinase homolog (influenzae)	1		o		
y chain e2~ubiquitin-hect	1				
y+1 amino acid transporter 2	1				o
yes-associated protein isoform cra_b	1				o
yip1 domain member 2	1			o	
yippee-like 3	1	o			
yth domain family protein 1	1				o
yth domain family protein 3	1				o
yth domain member 1	1	o			
yy1 associated factor 2	1	o			
zan_mouse ame: full=zonadhesin flags: precursor	1	o			
zcchc8 protein	1				o
zer-1 homolog	1	o			
zer-1 homolog (elegans)	1	o			
zeta-chain associated protein kinase 70kda	1		o		
zgc:103559 protein	1		o		
Zgc:109744 [Danio rerio]	1	o			
zgc:112084 protein	1	o			
zgc:113346 protein	1		o		
zgc:113362 protein	1	o			
zgc:136396 protein	1			o	
zgc:152783 protein	1				o
zgc:152785 protein	1	o			
zgc:152809 protein	1			o	
zgc:152984 protein	1	o			
zgc:153766 protein	1			o	

zgc:153955 protein	1		o		
zgc:154074 protein	1				o
zgc:158151 protein	1	o			
zgc:158157 protein	1	o			
zgc:158748 protein	1	o			
zgc:162183 protein	1			o	
zgc:162331 protein	1			o	
zgc:162544 protein	1		o		
zgc:162608 protein	1		o		
zgc:162816 protein	1		o		
zgc:163083 protein	1			o	
zgc:165344 protein	1	o			
zgc:165461 protein	1				o
zgc:165647 protein	1			o	
zgc:172067 protein	1	o			
zgc:172086 protein	1	o			
zgc:172122 protein	1				o
zgc:172270 protein	1	o			
zgc:174698 protein	1	o			
zgc:175171 protein	1	o			
Zgc:56417 [Danio rerio]	1	o			
zgc:56719 protein	1		o		
zgc:63470 protein	1	o			
zgc:77056 protein	1				o
zgc:77713 protein	1		o		
zic family member 1	1			o	
zinc an1-type domain 1	1	o			
zinc an1-type domain 5	1	o			
zinc c3hc type 1	1	o			
zinc c3hc-type containing isoform cra_e	1	o			
zinc cchc domain containing 11	1	o			
zinc cchc domain containing 14	1	o			
zinc dhhc-type containing 12	1	o			
zinc dhhc-type containing 13	1	o			
zinc dhhc-type containing 14 isoform 2	1	o			
zinc dhhc-type containing 16	1	o			
zinc finger (chy type)	1		o		
zinc finger and btb domain-containing protein 17	1	o			
zinc finger and btb domain-containing protein 38	1			o	
zinc finger and btb domain-containing protein 46	1			o	
zinc finger and btb domain-containing protein 8b-like	1			o	
zinc finger and scan domain-containing protein 20	1	o			
zinc finger and scan domain-containing protein 29	1			o	
zinc finger ccch domain-containing protein 11a	1	o			
zinc finger ccch domain-containing protein 6-like	1			o	
zinc finger ccch domain-containing protein 7b	1			o	
zinc finger ccch type containing 11a-like	1	o			
zinc finger ccch-type containing 11a	1		o		
zinc finger cchc domain-containing protein 3-like	1			o	
zinc finger cchc domain-containing protein 8-like	1			o	

zinc finger fyve domain-containing protein 1	1	o				
zinc finger hit domain-containing protein 1-like	1			o		
zinc finger homeobox 3 isoform 1	1				o	
zinc finger multitype 2	1			o		
zinc finger mym-type protein 3-like	1					o
zinc finger mym-type protein partial	1	o				
zinc finger mynd domain-containing protein 17-like	1	o				
zinc finger protein 109	1			o		
zinc finger protein 112 homolog isoform 2	1				o	
zinc finger protein 135- partial	1					o
zinc finger protein 143	1					o
zinc finger protein 16	1	o				
zinc finger protein 160-like	1	o				
zinc finger protein 184	1	o				
zinc finger protein 187	1	o				
zinc finger protein 189	1	o				
zinc finger protein 207	1		o			
zinc finger protein 238	1	o				
zinc finger protein 265	1		o			
zinc finger protein 271	1		o			
zinc finger protein 280c	1			o		
zinc finger protein 287	1	o				
zinc finger protein 318	1	o				
zinc finger protein 323	1	o				
zinc finger protein 333	1			o		
zinc finger protein 36 c3h type-like 1	1					o
zinc finger protein 384 isoform 2	1					o
zinc finger protein 385a	1				o	
zinc finger protein 385c	1					o
zinc finger protein 395	1	o				
zinc finger protein 395-like isoform 2	1		o			
zinc finger protein 407	1				o	
zinc finger protein 449	1					o
zinc finger protein 451	1	o				
zinc finger protein 45-like	1	o				
zinc finger protein 510	1					o
zinc finger protein 511	1			o		
zinc finger protein 512b	1	o				
zinc finger protein 518	1			o		
zinc finger protein 518a	1	o				
zinc finger protein 518a-like	1			o		
zinc finger protein 518b	1	o				
zinc finger protein 532	1			o		
zinc finger protein 536	1				o	
zinc finger protein 536-like	1	o				
zinc finger protein 54	1	o				
zinc finger protein 543	1				o	
zinc finger protein 551-like	1	o				
zinc finger protein 560	1	o				
zinc finger protein 567	1	o				
zinc finger protein 570-like	1	o				
zinc finger protein 595	1			o		
zinc finger protein 595-like	1		o			
zinc finger protein 598	1	o				
zinc finger protein 599	1				o	
zinc finger protein 600	1	o				
zinc finger protein 61	1				o	
zinc finger protein 613	1				o	

zinc finger protein 618	1				0		
zinc finger protein 629	1	0					
zinc finger protein 630	1				0		
zinc finger protein 638-like	1	0					
zinc finger protein 64 isoforms 1 and 2-like	1			0			
zinc finger protein 644	1		0				
zinc finger protein 648	1	0					
zinc finger protein 650	1		0				
zinc finger protein 653-like	1						0
zinc finger protein 654	1		0				
zinc finger protein 654-like	1			0			
zinc finger protein 658	1	0					
zinc finger protein 687	1	0					
zinc finger protein 711	1		0				
zinc finger protein 718	1	0					
zinc finger protein 729-like	1		0				
zinc finger protein 93	1	0					
zinc finger protein ap-zic	1				0		
zinc finger protein basonuclin-2	1			0			
zinc finger protein c3h homolog	1					0	
zinc finger protein c3h type-like 2	1	0					
zinc finger protein eos	1	0					
zinc finger protein kiaa0543	1	0					
zinc finger protein of the cerebellum 5	1				0		
zinc finger protein ozf	1			0			
zinc finger protein partial	1	0					
zinc finger protein pseudogene	1					0	
zinc finger protein rlf	1						0
zinc finger protein with krab and scan domains 4	1			0			
zinc finger protein y-linked	1	0					
zinc finger protein zfp2	1				0		
zinc finger protein zic 4	1						0
zinc finger swim domain-containing protein 5	1				0		
zinc finger swim domain-containing protein 6	1	0					
zinc finger zz-type and ef-hand domain-containing protein 1-like	1	0					
zinc fingers and homeoboxes 2	1	0					
zinc fingers and homeoboxes 3	1	0					
zinc fingers and homeoboxes protein 1	1			0			
zinc fingers and homeoboxes protein 1-like	1				0		
zinc fyve domain containing 21	1				0		
zinc fyve domain containing 9	1					0	
zinc knuckle (cchc-type) family protein	1				0		
zinc matrin type 2	1	0					
zinc mynd domain containing 12	1	0					
zinc mynd domain containing isoform cra_a	1	0					
zinc mynd-type containing 17	1	0					
zinc mynd-type containing 8	1		0				
zinc phosphodiesterase elac protein 2	1				0		
zinc ran-binding domain containing 1	1					0	
zinc swim domain containing 5	1	0					
zinc transporter 6	1	0					
zinc transporter 8-like	1			0			
zinc transporter zip11	1					0	
zinc transporter zip13	1		0				
zinc ttf-type hat dimerisation nucleic acid- ob-fold	1	0					
zinc zz-type with ef hand domain 1 isoform 2	1	0					
zinc-binding protein a33-like	1						0

zinedin isoform 2	1		o	
zym1, putative [Perkinsus marinus ATCC 50983]	1	o		
zym8 protein	1	o		
zn-binding protein	1	o		
znf460 protein	1			o
zona pellucida glycoprotein 1	1			o
zona pellucida glycoprotein 2	1			o
zona pellucida glycoprotein 3	1			o
zona pellucida glycoprotein 3 b	1			o
zona pellucida protein x	1			o
zona pellucida sperm-binding protein 1	1			o
zona pellucida sperm-binding protein 2 precursor	1			o
zona pellucida sperm-binding protein 3	1			o
zpa domain containing protein	1	o		
ZPC5 [Cynoglossus semilaevis]	1			o
zuotin related factor partial	1	o		
zw10 protein	1	o		
zyg-11 homolog b (elegans)	1		o	
zygotic dna replication licensing factor mcm6-b	1			o
zymogen granule membrane protein 16 precursor	1			o
zymogen granule membrane protein 16-like	1			o

* NC, *N. coriiceps* ; PA, *P. antarcticum* ; CA, *C. aceratus* ; DM, *D. mawsoni*.