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Table S1

	Run Spectra	Peptides Quantitated
<b>Mito 2D</b>		
Wild-type NCWT2D	326084	123107
Delta Por NCKD2D	226857	180125
<b>S100 Cytoplasm</b>		
Wild-type #1 NC1S	58594	36947
Wild-type #2 NC2S	58763	36946
Delta Por-1 #1 NC5S	59635	37184
Delta Por-1 #2 NC6S	60657	38145

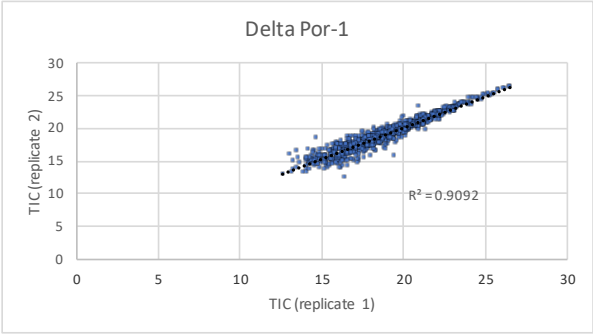
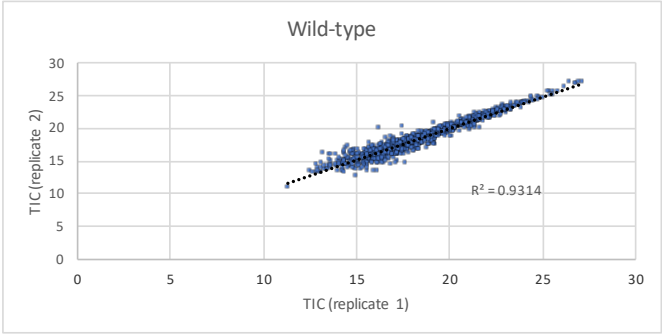


Table S2

**S100 proteome**

Total	1037
Mitochondrial	232
Ribosomal	58
ER	23
Golgi	12
Lysosomal	0
Plasma membr	7
Cytoplasmic	705

**S100 Cytosolic proteins**

locus	product
NCU00021	hypothetical protein
NCU00028	S
NCU00040	eukaryotic translation initiation factor 3
NCU00043	protein phosphatase-3
NCU00087	pentose phosphate metabolism-1
NCU00102	hypothetical protein
NCU00106	proline-4
NCU00112	aminopeptidase P
NCU00134	exportin-T
NCU00147	ARD/ARD family protein
NCU00150	histidine-7
NCU00173	esterase D
NCU00177	phosphoribosylformylglycinamide cycl
NCU00187	menadione-induced gene-11
NCU00194	ornithine transaminase
NCU00200	tryptophan-1
NCU00202	coronin 1
NCU00225	hypothetical protein
NCU00236	flavoprotein oxygenase
NCU00260	oxidoreductase
NCU00261	CTP synthase
NCU00304	hypothetical protein
NCU00326	calcium homeostasis protein Regucalcin
NCU00350	epoxide hydrolase
NCU00364	hypothetical protein
NCU00396	pre-mRNA-splicing factor rse-1
NCU00397	hypothetical protein
NCU00414	adenosine kinase
NCU00422	curved DNA-binding protein
NCU00443	ran-specific GTPase-activating protein 1
NCU00457	translation initiation factor 4B
NCU00463	kynureninase
NCU00472	CDC37
NCU00480	ubiquitin C-terminal hydrolase
NCU00481	a-pheromone processing metallopeptida
NCU00488	protein phosphatase PP2A regulatory sub
NCU00505	small nuclear ribonucleoprotein Sm D1
NCU00518	MGS207 protein
NCU00520	oxidoreductase
NCU00522	cystathionine beta-lyase
NCU00554	homoserine-1
NCU00590	hypothetical protein
NCU00602	siroheme synthase
NCU00629	embden-meyerhof pathway-3
NCU00633	hypothetical protein
NCU00649	nicotinic acid-6
NCU00665	Ser/Thr protein phosphatase

**Mitochondrial proteins in S100**

locus	product
NCU00021	hypothetical protein
NCU00122	aspartyl aminopeptidase
NCU00295	hypothetical protein
NCU00355	catalase-3
NCU00405	glycyl-tRNA synthetase 1
NCU00461	glutamate dehydrogenase-1
NCU00477	carboxypeptidase Y
NCU00519	ribulose-phosphate 3-epimerase
NCU00537	hypothetical protein
NCU00549	glutathione transferase omega-1
NCU00567	arginine-6
NCU00573	hypothetical protein
NCU00575	glucokinase
NCU00582	cryptochrome
NCU00635	nascent polypeptide-associated complex subunit alpha
NCU00673	serine protease p2
NCU00680	2-methylcitrate dehydratase
NCU00726	cyclosporin-resistant-1
NCU00775	tricarboxylic acid-6
NCU00823	regulatory particle, non-ATPase-like-11
NCU00824	histone deacetylase-3
NCU00936	succinate semialdehyde dehydrogenase
NCU00951	inorganic pyrophosphatase
NCU01021	eukaryotic translation initiation factor 3 subunit EifCf
NCU01175	farnesyl-pyrophosphate synthetase
NCU01219	glutaredoxin
NCU01227	tricarboxylic acid-8
NCU01258	cyanase
NCU01272	mitochondrial presequence protease
NCU01328	transketolase
NCU01422	multiprotein-bridging factor 1
NCU01428	hydroxyisourate hydrolase
NCU01444	rheb small monomeric GTPase RbA
NCU01528	glyceraldehyde-3-phosphate dehydrogenase-1
NCU01546	coproporphyrinogen III oxidase
NCU01547	regulatory particle, non-ATPase-like-8
NCU01550	adenylate kinase cytosolic
NCU01589	heat shock protein 60
NCU01611	carmitine acetyl transferase
NCU01666	isoleucine-valine-4
NCU01667	arginine-12
NCU01692	citrate synthase
NCU01754	alcohol dehydrogenase-1
NCU01808	cytochrome c-1
NCU01821	alanine-glyoxylate aminotransferase
NCU01955	autophagocytosis protein Aut1
NCU01965	cytochrome-20
NCU01985	cysteine-11
NCU02044	GTP-binding protein
NCU02133	superoxide dismutase-1
NCU02136	transaldolase
NCU02193	cellular filament polypeptide
NCU02224	regulatory particle, non-ATPase-like-3
NCU02273	PEP4 homolog
NCU02328	O-methyltransferase
NCU02366	tricarboxylic acid-3
NCU02391	protein transporter sec-24
NCU02407	dihydrolipoamide dehydrogenase
NCU02438	dihydrolipoamide succinyltransferase
NCU02450	threonine dehydratase
NCU02475	glycine dehydrogenase
NCU02480	short-chain dehydrogenase/reductase
NCU02514	ATPase-1
NCU02533	DNA-directed RNA polymerase I and III polypeptide

## Cytosolic proteins continued

NCU00685 casein kinase I isoform delta  
 NCU00707 hypothetical protein  
 NCU00714 heat shock protein STI1  
 NCU00720 tricarboxylic acid-17  
 NCU00742 glycerol-3-phosphate dehydrogenase  
 NCU00743 glycogen debranching enzyme  
 NCU00768 mRNA binding post-transcriptional regula  
 NCU00792 branched-chain-amino-acid aminotransf  
 NCU00793 trehalose phosphate synthase  
 NCU00838 3-dehydroshikimate dehydratase  
 NCU00843 adenine-9  
 NCU00847 hypothetical protein  
 NCU00864 TIM-barrel enzyme family protein  
 NCU00867 hypothetical protein  
 NCU00880 phospholipase A-2-activating protein  
 NCU00884 NAD dependent epimerase/dehydratase  
 NCU00892 methionine-6  
 NCU00903 hypothetical protein  
 NCU00915 aspartyl-tRNA synthetase  
 NCU00935 hypothetical protein  
 NCU00963 methylenetetrahydrofolate dehydrogena  
 NCU00964 hypothetical protein  
 NCU00999 hypothetical protein  
 NCU01083 spermidine-2  
 NCU01107 short-chain dehydrogenase  
 NCU01121 hypothetical protein  
 NCU01157 glutamate-cysteine ligase catalytic subu  
 NCU01160 ATP-dependent RNA helicase dbp-5  
 NCU01163 GAF domain nucleotide-binding protein  
 NCU01166 microcycle blastoconidiation  
 NCU01177 NAD dependent epimerase/dehydratase  
 NCU01195 amination-deficient  
 NCU01197 gulliver-1  
 NCU01204 tropomyosin  
 NCU01224 regulatory particle, ATPase-like-2  
 NCU01233 aldose reductase  
 NCU01234 eukaryotic initiation factor 4A-12  
 NCU01240 hypothetical protein  
 NCU01249 importin alpha subunit  
 NCU01283 hypothetical protein  
 NCU01290 centromere/microtubule-binding protein  
 NCU01300 imidazoleglycerol-phosphate dehydratas  
 NCU01369 ATP-dependent RNA helicase ded-1  
 NCU01381 hypothetical protein  
 NCU01412 proline-3  
 NCU01419 quinone oxidoreductase  
 NCU01420 hypothetical protein  
 NCU01424 DUF636 domain-containing protein  
 NCU01429 serine-7  
 NCU01433 phosphoprotein phosphatase-1  
 NCU01438 nucleosome assembly factor-1  
 NCU01439 D-3-phosphoglycerate dehydrogenase 1  
 NCU01443 seryl-tRNA synthetase  
 NCU01446 uracil phosphoribosyltransferase  
 NCU01468 translation initiation factor eIF-2B subun  
 NCU01486 IKI3 family protein  
 NCU01489 histidine phosphotransferase-1  
 NCU01523 GTP-binding protein ypt3  
 NCU01571 hypothetical protein  
 NCU01587 cofilin  
 NCU01596 regulatory particle, non-ATPase-like-6  
 NCU01612 pre-mRNA splicing factor ATP-dependen  
 NCU01632 aromatic-1 gene cluster  
 NCU01638 DNA-directed RNA polymerase I subunit  
 NCU01652 O-acetylhomoserine  
 NCU01669 putative arginine methyltransferase-3  
 NCU01701 ribitol kinase

## S100 Mitochondrial proteins continued

NCU02549 processing enhancing protein  
 NCU02566 alanyl-tRNA synthetase  
 NCU02580 fumarate reductase Osm1  
 NCU02634 hypothetical protein  
 NCU02639 arginine-1  
 NCU02657 ethionine resistant-1  
 NCU02677 arginine-3  
 NCU02701 dipeptidyl peptidase  
 NCU02726 ethanolamine kinase  
 NCU02727 glycine cleavage system T protein  
 NCU02812 uridylate kinase  
 NCU02887 voltage-gated potassium channel beta-2 subunit  
 NCU02948 non-anchored cell wall protein-4  
 NCU02960 peroxin 5  
 NCU03004 acetate-3  
 NCU03006 ergosterol-4  
 NCU03076 delta-1-pyrroline-5-carboxylate dehydrogenase  
 NCU03125 NIMA-interacting protein TinC  
 NCU03131 FAD dependent oxidoreductase superfamily  
 NCU03339 glutathione reductase  
 NCU03347 nicotinic acid-4  
 NCU03608 isoleucine + valine-2  
 NCU03737 elongation factor Tu  
 NCU03739 ERP38 protein  
 NCU03804 serine/threonine-protein phosphatase 2B catalytic subunit  
 NCU03813 formate dehydrogenase  
 NCU03857 tricarboxylic acid-5  
 NCU03877 C-1-tetrahydrofolate synthase  
 NCU03882 hypothetical protein  
 NCU03904 hypothetical protein  
 NCU03922 hydroxymethylglutaryl-CoA synthase  
 NCU03949 nitropropane dioxygenase-1  
 NCU03982 glucose regulated protein 78  
 NCU03992 fimbrin  
 NCU04100 vacuolar sorting protein 1  
 NCU04202 nucleoside diphosphate kinase-1  
 NCU04230 acetate utilization-3  
 NCU04280 aconitate hydratase  
 NCU04292 branched-chain-amino-acid aminotransferase  
 NCU04368 glutathione S-transferase Gst3  
 NCU04370 ubiquitin-activating enzyme E1 1  
 NCU04410 tRNA ligase  
 NCU04452 menadione-induced gene-3  
 NCU04569 5-oxoprolinase  
 NCU04579 dihydroxy-acid dehydratase  
 NCU04594 4-carboxymuconolactone decarboxylase  
 NCU04600 protein phosphatase 2C isoform gamma  
 NCU04635 hypothetical protein  
 NCU04754 isoleucine-valine-6  
 NCU04780 VEG136 protein  
 NCU04815 lactoylglutathione lyase  
 NCU04899 tricarboxylic acid-15  
 NCU04907 hypothetical protein  
 NCU04910 hypothetical protein  
 NCU05264 pyrimidine 5'-nucleotidase  
 NCU05270 mitochondrial translation initiation factor IF-2  
 NCU05288 rab GDP-dissociation inhibitor  
 NCU05363 26S protease regulatory subunit 8  
 NCU05400 hypothetical protein  
 NCU05410 arginine-5  
 NCU05418 deoxyhypusine synthase-1  
 NCU05425 tricarboxylic acid-7  
 NCU05430 ATPase-2  
 NCU05488 RNA-binding protein Vip1  
 NCU05495 clock-controlled gene-16  
 NCU05516 biotin apo-protein ligase  
 NCU05526 lysine-5

## Cytosolic proteins continued

NCU01704 NADP:D-xylase dehydrogenase  
 NCU01744 enhancer-2 of am  
 NCU01756 actin-related protein-3  
 NCU01759 menadione-induced gene-5  
 NCU01768 hypothetical protein  
 NCU01784 pseudouridylate synthase 3  
 NCU01786 ribose-phosphate pyrophosphokinase II  
 NCU01793 RNA binding domain-containing protein  
 NCU01816 allantoicase-I  
 NCU01820 exportin-1  
 NCU01824 UDP-galactopyranose mutase  
 NCU01838 nitrilase  
 NCU01843 T-complex protein 1 subunit gamma  
 NCU01855 hypothetical protein  
 NCU01918 ARP2/3 complex 20 kDa subunit  
 NCU01919 ubiquitin C-terminal hydrolase  
 NCU01939 nonsense-mediated mRNA decay protein  
 NCU01945 IMP-specific 5'-nucleotidase 1  
 NCU01949 unknown-16  
 NCU01956 encodes anonymous transcript-2  
 NCU02003 translation elongation factor-1  
 NCU02010 leucine-4  
 NCU02011 importin subunit beta-1  
 NCU02018 short chain dehydrogenase  
 NCU02027 acyl-protein thioesterase 1  
 NCU02055 uridine nucleosidase Urh1  
 NCU02075 heat shock protein 70-2  
 NCU02076 eukaryotic translation initiation factor 4E  
 NCU02082 cft-1  
 NCU02090 adenine phosphoribosyltransferase  
 NCU02103 DNA-directed RNA polymerase II largest  
 NCU02109 UDP-N-acetylglucosamine pyrophosphor  
 NCU02113 ubiquitin-conjugating enzyme E2 13  
 NCU02124 diene lactone hydrolase  
 NCU02207 T-complex protein 1 subunit beta  
 NCU02208 unknown-10  
 NCU02226 methylthioribose-1-phosphate isomerase  
 NCU02252 embden-meyerhof pathway-6  
 NCU02260 regulatory particle, ATPase-like-3  
 NCU02274 formate  
 NCU02284 nucleolar ATPase Kre33  
 NCU02289 ubiquitin-conjugating enzyme E2  
 NCU02319 aminopeptidase  
 NCU02322 mannose-6-phosphate isomerase  
 NCU02325 guanine-3  
 NCU02333 arginase-1  
 NCU02335 short chain dehydrogenase  
 NCU02357 importin subunit beta-3  
 NCU02374 regulatory particle, non-ATPase-like-9  
 NCU02380 threonyl-tRNA synthetase  
 NCU02385 hypothetical protein  
 NCU02387 nuclear import and export protein Msn5  
 NCU02393 mitogen-activated protein kinase-2  
 NCU02395 uroporphyrinogen-III synthase  
 NCU02397 isoleucine-valine-5  
 NCU02399 hypothetical protein  
 NCU02404 RNP domain-containing protein  
 NCU02414 translation initiation factor eif-2b epsilon  
 NCU02428 nucleolar essential protein 1  
 NCU02430 cystathionine gamma-synthase  
 NCU02433 ATG4 protein  
 NCU02435 histone H2B  
 NCU02459 DUF52 domain-containing protein  
 NCU02464 neuronal-specific septin-3  
 NCU02479 glutamine synthetase  
 NCU02493 proteasome component C1  
 NCU02505 succinate

## S100 Mitochondrial proteins continued

NCU05542 xanthine phosphoribosyltransferase 1  
 NCU05642 cysteinyl-tRNA synthetase  
 NCU05683 dihydroxy-acid dehydratase  
 NCU05777 ubiquitin carboxyl-terminal hydrolase 14  
 NCU05832 hypothetical protein  
 NCU05850 rubredoxin-NA  
 NCU05881 DUF500 and UBA/TS-N domain-containing protein  
 NCU05983 3,4-dihydroxy-2-butanone 4-phosphate synthase  
 NCU06031 rehydrin  
 NCU06086 regulatory protein suaprga1  
 NCU06110 thiazole biosynthetic enzyme  
 NCU06149 ATP-dependent RNA helicase dhh-1  
 NCU06211 tricarboxylic acid-16  
 NCU06247 hypothetical protein  
 NCU06307 multisynthetase complex auxiliary component p43  
 NCU06336 N2,N2-dimethylguanosine tRNA methyltransferase  
 NCU06346 hypothetical protein  
 NCU06410 GTP-binding protein YPT52  
 NCU06441 D-lactate dehydrogenase 2  
 NCU06448 enoyl-CoA hydratase  
 NCU06452 cysteine-17  
 NCU06482 acetate-2  
 NCU06549 pyridoxine-2  
 NCU06550 pyridoxine 1  
 NCU06556 thioredoxin II  
 NCU06603 ThiJ/PfpI family protein  
 NCU06666 inositol  
 NCU06678 exonuclease Kem1  
 NCU06687 glycogen synthase-1  
 NCU06698 glycogenin  
 NCU06732 leukotriene A-4 hydrolase  
 NCU06780 tRNA  
 NCU06875 hypothetical protein  
 NCU06914 histidyl-tRNA synthetase  
 NCU06943 SIK1  
 NCU06970 ribose-phosphate pyrophosphokinase II  
 NCU07126 hypothetical protein  
 NCU07153 glutamate carboxypeptidase  
 NCU07267 blue light-induced-3  
 NCU07365 proteasome catalytic beta-7  
 NCU07414 hypothetical protein similar to protein mitochondrial targeting prote  
 NCU07439 hypothetical protein  
 NCU07550 triosephosphate isomerase  
 NCU07590 Ser/Thr protein phosphatase  
 NCU07608 pentose phosphate metabolism-3  
 NCU07659 acetate-4  
 NCU07697 tricarboxylic acid-4  
 NCU07853 uricase  
 NCU07941 aspartate aminotransferase  
 NCU07947 glycolipid transfer protein HET-C2  
 NCU08002 carnitine acetyl transferase  
 NCU08004 electron transfer flavoprotein alpha-subunit  
 NCU08022 pol  
 NCU08053 hypothetical protein  
 NCU08070 meiotically up-regulated 182 protein  
 NCU08183 hypothetical protein  
 NCU08195 arginyl-tRNA synthetase  
 NCU08269 pyridoxine-4  
 NCU08352 cysteine-9  
 NCU08384 xylose reductase  
 NCU08390 hypothetical protein  
 NCU08411 aspartate aminotransferase  
 NCU08471 tricarboxylic acid-9  
 NCU08477 ypt-like-1  
 NCU08568 ADP-ribose pyrophosphatase  
 NCU08677 hypothetical protein  
 NCU08693 heat shock protein 70-5

## Cytosolic proteins continued

NCU02513 YjeF domain-containing protein  
 NCU02542 embden-meyerhof pathway-1  
 NCU02547 hypothetical protein  
 NCU02560 hypothetical protein  
 NCU02563 transcription elongation factor S-II  
 NCU02571 acetyl-CoA acetyltransferase  
 NCU02572 U5 small nuclear ribonucleoprotein comp  
 NCU02588 nuclear movement protein nudC  
 NCU02605 DNA-directed RNA polymerase I/II/III su  
 NCU02619 tRNA-dihydrouridine synthase 3  
 NCU02629 adenine-5  
 NCU02650 regulatory particle, non-ATPase-like-5  
 NCU02668 cell wall synthesis protein-Penicillium chr  
 NCU02684 chromatin remodelling factor 4-3  
 NCU02688 ubiquitin-conjugating enzyme E2Z  
 NCU02720 hypothetical protein  
 NCU02765 RNA binding protein  
 NCU02771 uroporphyrinogen decarboxylase  
 NCU02781 hypothetical protein  
 NCU02784 hypothetical protein  
 NCU02785 aromatic-8  
 NCU02786 hypothetical protein  
 NCU02788 ric8-like  
 NCU02797 UTP-glucose-1-phosphate uridylyltransfe  
 NCU02798 hypothetical protein  
 NCU02806 Neurospora fourteen-three-three homolo  
 NCU02809 hypothetical protein  
 NCU02810 eukaryotic translation initiation factor 2 g  
 NCU02813 eukaryotic translation initiation factor 3 s  
 NCU02815 osmotic-1  
 NCU02829 Sec53-like  
 NCU02839 T-complex protein 1  
 NCU02840 regulatory particle, ATPase-like-1  
 NCU02888 hypothetical protein  
 NCU02899 hypothetical protein  
 NCU02979 AMP deaminase  
 NCU02982 regulatory particle, non-ATPase-like-10  
 NCU02998 nicotinate-nucleotide pyrophosphorylase  
 NCU03009 zuotin  
 NCU03010 lysine-3  
 NCU03023 phenol 2-monooxygenase  
 NCU03050 ARP2/3 complex 34 kDa subunit  
 NCU03061 translation initiation factor RLI1  
 NCU03068 pyridoxine-3  
 NCU03084 inosine-uridine preferring nucleoside hyd  
 NCU03087 diploid state maintenance protein chpA  
 NCU03100 pentose phosphate metabolism-2  
 NCU03108 glutamate carboxypeptidase  
 NCU03117 inosine-5'-monophosphate dehydrogena  
 NCU03118 hypothetical protein  
 NCU03124 casein kinase II subunit alpha  
 NCU03127 urease Ure  
 NCU03139 histidine-3  
 NCU03151 peroxisomal membrane protein  
 NCU03166 adenine-3A  
 NCU03194 phosphoribosylaminoimidazole carboxyla  
 NCU03200 serine/threonine protein kinase-10  
 NCU03204 iron-sulfur cluster assembly associated p  
 NCU03234 ubr1-like  
 NCU03241 FK506-resistant-4  
 NCU03282 3-hydroxyanthranilate 3,4-dioxygenase  
 NCU03283 2-keto-4-pentenoate hydratase  
 NCU03290 dipeptidyl peptidase  
 NCU03300 Neurospora fourteen-three-three homolo  
 NCU03304 proteasome catalytic beta-3  
 NCU03306 hypothetical protein  
 NCU03350 xanthine dehydrogenase-1

## S100 Mitochondrial proteins continued

NCU08791 catalase-1  
 NCU08909 beta-1,3-glucanosyltransferase  
 NCU08936 clock-controlled gene-15  
 NCU08954 hypothetical protein  
 NCU08973 SNARE protein Ykt6  
 NCU08991 sulfur control-3  
 NCU08998 4-aminobutyrate aminotransferase  
 NCU09004 eukaryotic translation initiation factor 6  
 NCU09116 aromatic aminotransferase Aro8  
 NCU09123 calcium/calmodulin-dependent kinase-1  
 NCU09132 tubulin alpha-1  
 NCU09141 menadione-induced gene-9  
 NCU09175 GPI-anchored cell wall beta-1,3-endoglucanase EgIC  
 NCU09182 stress responsive A/B barrel domain-containing protein  
 NCU09223 protein disulfide-isomerase  
 NCU09228 aminopeptidase 2  
 NCU09230 cysteine-16  
 NCU09285 menadione-induced gene-6  
 NCU09309 proteasome component PRE2  
 NCU09331 HMF1  
 NCU09345 no message in thiamine-1  
 NCU09347 fructose-2,6-bisphosphatase  
 NCU09366 proteasome catalytic beta-6  
 NCU09425 NdvB protein  
 NCU09450 regulatory particle, non-ATPase-like-2  
 NCU09463 leucine-6  
 NCU09536 hypothetical protein  
 NCU09560 superoxide dismutase  
 NCU09602 heat shock protein 70-1  
 NCU09770 acetate utilization-8  
 NCU10008 tricarboxylic acid-14  
 NCU10020 methionine synthase  
 NCU10042 embden-meyerhof pathway-7  
 NCU10468 arginine-4  
**total 232**

## S100 Ribosomal proteins

NCU01452 40S ribosomal protein S1  
 NCU03102 40S ribosomal protein S11  
 NCU06432 40S ribosomal protein S12  
 NCU03038 40S ribosomal protein S13  
 NCU08620 40S ribosomal protein S16  
 NCU00475 40S ribosomal protein S18  
 NCU07826 40S ribosomal protein S19  
 NCU06047 40S ribosomal protein S2  
 NCU06892 40S ribosomal protein S20  
 NCU06431 40S ribosomal protein S22  
 NCU07182 40S ribosomal protein S24  
 NCU00618 40S ribosomal protein S27  
 NCU05599 40S ribosomal protein S28  
 NCU02181 40S ribosomal protein S4  
 NCU09475 40s ribosomal protein s5  
 NCU08502 40S ribosomal protein S6  
 NCU08500 40S ribosomal protein S8  
 NCU00979 60S acidic ribosomal protein P2  
 NCU08964 60S ribosomal protein L10  
 NCU00294 60S ribosomal protein L10a  
 NCU02509 60S ribosomal protein L11  
 NCU01317 60S ribosomal protein L12  
 NCU01776 60S ribosomal protein L15  
 NCU01221 60S ribosomal protein L16  
 NCU03703 60S ribosomal protein L17  
 NCU03988 60S ribosomal protein L18  
 NCU05804 60S ribosomal protein L19  
 NCU00413 60S ribosomal protein L2



## Cytosolic proteins continued

NCU03358 ketoreductase  
 NCU03368 hypothetical protein  
 NCU03370 hypothetical protein  
 NCU03396 nucleolar protein nop-58  
 NCU03399 hypothetical protein  
 NCU03425 threonine synthase  
 NCU03436 tangerine  
 NCU03438 Arp2/3 complex subunit  
 NCU03488 pyrimidine-4  
 NCU03500 aminotransferase  
 NCU03539 unknown-24  
 NCU03548 hypothetical protein  
 NCU03575 isoleucyl-tRNA synthetase  
 NCU03596 CRAL/TRIO domain-containing protein  
 NCU03605 amidohydrolase  
 NCU03606 replication protein A-1  
 NCU03632 farnesyltransferase/geranylgeranyltransferase  
 NCU03633 mevalonate kinase  
 NCU03634 hypothetical protein  
 NCU03651 NADP-dependent malic enzyme  
 NCU03690 importin beta-2 subunit  
 NCU03702 rRNA 2'-O-methyltransferase fibrillarin  
 NCU03704 ubiquitin carboxyl-terminal hydrolase 2  
 NCU03717 translation initiation factor 4E  
 NCU03731 HAD superfamily hydrolase  
 NCU03748 saccharopine dehydrogenase  
 NCU03755 flavin dependent monooxygenase  
 NCU03768 lysophospholipase  
 NCU03779 dihydroxyacetone kinase-1  
 NCU03781 CobW domain-containing protein  
 NCU03786 serine/threonine protein phosphatase 2A  
 NCU03795 cell division control protein 12  
 NCU03797 ubiquitin C-terminal hydrolase  
 NCU03806 cycloheximide resistant-2  
 NCU03826 elongation factor 1-gamma  
 NCU03836 O-sialoglycoprotein endopeptidase  
 NCU03853 peptidyl-prolyl cis-trans isomerase  
 NCU03859 MYG1 protein  
 NCU03870 hypothetical protein  
 NCU03876 eukaryotic translation initiation factor 3  
 NCU03897 RNA binding effector protein Scp160  
 NCU03905 hypothetical protein  
 NCU03911 F-actin-capping protein subunit alpha  
 NCU03935 homoserine dehydrogenase  
 NCU03936 tRNA methyltransferase  
 NCU03944 WD repeat containing protein 2  
 NCU03963 nicotinic acid-7  
 NCU03970 riboflavin kinase  
 NCU03972 regulatory particle, non-ATPase-like-7  
 NCU03973 alanine  
 NCU03980 T-complex protein 1 subunit epsilon  
 NCU04016 phosphoglycerate mutase  
 NCU04020 lysyl-tRNA synthetase  
 NCU04040 tRNA  
 NCU04054 Benomyl resistant  
 NCU04069 3'-phosphoadenosine 5'-phosphatase isoform B  
 NCU04077 cysteine-2  
 NCU04086 hydrolase  
 NCU04087 Aha1 domain-containing protein  
 NCU04097 ABC transporter  
 NCU04104 chromosome segregation protein Cse1  
 NCU04109 glutathione S-transferase-2  
 NCU04118 aspartokinase  
 NCU04120 calmodulin A  
 NCU04129 gamma-tocopherol methyltransferase  
 NCU04130 acylase ACY 1  
 NCU04140 FK506 resistant-2

## S100 Ribosomal proteins continued

NCU08389 60S ribosomal protein L20  
 NCU06661 60S ribosomal protein L22  
 NCU02905 60S ribosomal protein L23  
 NCU03150 60S ribosomal protein L24  
 NCU06226 60S ribosomal protein L25  
 NCU01827 60S ribosomal protein L27  
 NCU06843 60S ribosomal protein L3  
 NCU08963 60S ribosomal protein L30  
 NCU00464 60S ribosomal protein L32  
 NCU09109 60S ribosomal protein L33  
 NCU03635 60S ribosomal protein L38  
 NCU03757 60S ribosomal protein L4-A  
 NCU07562 60S ribosomal protein L43  
 NCU02707 60S ribosomal protein L6  
 NCU07829 60S ribosomal protein L7  
 NCU04779 60S ribosomal protein L8  
 NCU02744 60S ribosomal protein L9  
 NCU00489 cytoplasmic ribosomal protein-10  
 NCU00258 cytoplasmic ribosomal protein-15  
 NCU07830 cytoplasmic ribosomal protein-2  
 NCU07014 cytoplasmic ribosomal protein-3  
 NCU04331 cytoplasmic ribosomal protein-4  
 NCU04552 cytoplasmic ribosomal protein-5  
 NCU08627 cytoplasmic ribosomal protein-7  
 NCU00634 ribosomal protein L14  
 NCU03565 ribosomal protein L26  
 NCU00971 ribosomal protein S12  
 NCU01552 ribosomal protein S28  
 NCU08595 ribosome biogenesis protein  
 NCU03393 ribosome-associated protein-1

## S100 Golgi

NCU01004 phosphatidylserine decarboxylase proenzyme  
 NCU01100 hypothetical protein  
 NCU01440 myosin-2  
 NCU02263 Sec14 cytosolic factor  
 NCU02510 clathrin heavy chain  
 NCU04115 clathrin light chain  
 NCU04511 bud site selection protein 7  
 NCU05525 DUF833 domain-containing protein  
 NCU07734 zinc finger protein gcs1  
 NCU08340 ADP-ribosylation factor 1  
 NCU08811 arf GTPase-activating protein

## S100 PM

NCU02111 myosin-5  
 NCU03611 chitin synthase-1  
 NCU04142 heat shock protein 80  
 NCU08823 band  
 NCU09469 EF hand domain-containing protein  
 NCU09842 mitogen activated protein kinase-1  
 NCU10073 actin binding protein

### Cytosolic proteins continued

NCU04153	pseudouridine synthase
NCU04164	hypothetical protein
NCU04173	actin
NCU04185	protein kinase-1
NCU04187	cap binding protein
NCU04213	progesterone binding protein
NCU04216	adenine-7
NCU04221	trehalase-2
NCU04228	phytanoyl-CoA dioxygenase
NCU04237	phosphopantothenoylcysteine decarboxylase
NCU04238	histone H1-binding protein
NCU04277	threonine-4
NCU04289	hypothetical protein
NCU04303	asparagine synthetase 2
NCU04306	methionine aminopeptidase 2B
NCU04315	dre-2
NCU04317	DUF431 domain-containing protein
NCU04323	dihydroorotase
NCU04337	survival factor 1
NCU04342	hypothetical protein
NCU04344	translation initiation factor eIF-2B alpha subunit
NCU04385	leucine-2
NCU04411	tryptophan-4
NCU04414	regulatory particle, ATPase-like-5
NCU04442	GAL10
NCU04443	quinone oxidoreductase
NCU04448	T-complex protein 1 subunit alpha
NCU04449	prolyl-tRNA synthetase
NCU04460	galactose-1-phosphate uridylyltransferase
NCU04470	HD domain-containing protein
NCU04479	LAP2
NCU04483	sedoheptulose-1,7-bisphosphatase
NCU04510	glycerol dehydrogenase-3
NCU04583	acetyltransferase
NCU04592	3-oxoacyl
NCU04611	transcription elongation factor spt-6
NCU04640	eukaryotic translation initiation factor 2 beta subunit
NCU04642	adenosine deaminase
NCU04647	actin binding protein
NCU04648	glutamine-dependent NA
NCU04676	glutathione S-transferase
NCU04720	nitrate nonutilizer-6
NCU04757	hypothetical protein
NCU04759	nuclear transport factor 2
NCU04791	menadione-induced gene-10
NCU04799	polyadenylate-binding protein
NCU04826	hypothetical protein
NCU04843	hypothetical protein
NCU04856	glutamine-2
NCU04904	hypothetical protein
NCU04909	hypothetical protein
NCU04923	glycerol dehydrogenase-1
NCU04924	hypothetical protein similar to phosphatidyl synthase
NCU04930	hypothetical protein
NCU05041	trehalose-phosphatase
NCU05095	phenylalanyl-tRNA synthetase subunit alpha
NCU05120	DNA-dependent RNA polymerase II RPB140
NCU05129	tryptophan-2
NCU05137	non-anchored cell wall protein-1
NCU05143	rds1
NCU05164	short chain dehydrogenase/reductase SDR
NCU05200	Pro-apoptotic serine protease nma-111
NCU05238	cysteine-4
NCU05252	deoxyhypusine hydroxylase
NCU05269	heat shock protein 88
NCU05274	eukaryotic initiation factor 5A
NCU05290	orotate phosphoribosyltransferase



#### Cytosolic proteins continued

NCU05291	polyamine acetyltransferase
NCU05292	DNA damage-inducible protein 1
NCU05295	proteasome catalytic alpha-5
NCU05301	methyltransferase
NCU05305	DNA-directed RNA polymerase II polypeptide
NCU05342	hypothetical protein
NCU05387	hydrolase
NCU05420	aromatic-3
NCU05426	WD repeat protein
NCU05429	1,4-alpha-glucan branching enzyme
NCU05485	casein kinase II regulatory beta subunit-1
NCU05498	hypothetical protein
NCU05512	copper resistance protein Crd2
NCU05548	aromatic-6
NCU05554	unknown-25
NCU05594	L-galactose dehydrogenase
NCU05620	proteasome activator subunit 4
NCU05650	karyopherin Kap123
NCU05667	anchored cell wall protein-3
NCU05716	hypothetical protein
NCU05770	catalase-2
NCU05780	glutathione S-transferase-1
NCU05800	zinc knuckle domain-containing protein
NCU05810	cross pathway control-2
NCU05889	eukaryotic translation initiation factor 3 subunit 6
NCU05937	GDP-mannose pyrophosphorylase
NCU05942	proteosome catalytic alpha-3
NCU05974	cell wall glucanotransferase Mwg1
NCU05999	CaaX farnesyltransferase beta subunit Ram1
NCU06003	mannose-1-phosphate guanylttransferase
NCU06035	elongation factor 1-beta
NCU06042	FAD dependent oxidoreductase
NCU06052	DnaJ domain-containing protein
NCU06075	acetate-8
NCU06099	hypothetical protein
NCU06101	hypothetical protein
NCU06105	ADP-ribosylation factor-binding protein GGA1
NCU06108	UPF0135 protein
NCU06112	glutamate decarboxylase
NCU06187	adenine-4
NCU06191	glutathione synthetase large subunit
NCU06210	hypothetical protein
NCU06228	hypothetical protein
NCU06232	leucine-1
NCU06251	KH domain RNA-binding protein
NCU06261	uracil phosphoribosyltransferase
NCU06279	eukaryotic translation initiation factor 3
NCU06290	hypothetical protein
NCU06300	guanylate kinase
NCU06301	hypothetical protein
NCU06310	exopolyphosphatase
NCU06311	GMP synthase
NCU06340	TPR repeat protein
NCU06342	phospholipase D
NCU06348	myo-inositol-1-monophosphatase
NCU06355	karyopherin
NCU06360	histidinol-phosphate aminotransferase
NCU06372	ubiquitin hydrolase L3
NCU06397	profilin
NCU06416	thymine dioxygenase
NCU06417	uracil-5-carboxylate decarboxylase
NCU06440	proteosome catalytic alpha-4
NCU06457	asparaginyl-tRNA synthetase
NCU06459	differentiation regulator
NCU06464	hypothetical protein
NCU06471	proline-1
NCU06472	histone acetyl transferase-1

### Cytosolic proteins continued

NCU06512	methionine-8
NCU06554	phosphoserine phosphatase
NCU06561	RHO protein GDP dissociation inhibitor-1
NCU06578	KapG
NCU06617	myosin regulatory light chain cdc4
NCU06622	U2 small nuclear ribonucleoprotein A'
NCU06630	protein phosphatase-1
NCU06652	S
NCU06664	translin
NCU06684	RNA binding protein
NCU06693	hypothetical protein
NCU06711	hypothetical protein
NCU06712	proteasome catalytic alpha-6
NCU06722	tryptophan-5
NCU06724	glutamine-1
NCU06726	nitrilase
NCU06727	spermidine-3
NCU06743	hypothetical protein
NCU06764	proteasome catalytic alpha-2
NCU06783	ATP citrate lyase
NCU06785	ATP-citrate synthase subunit 1
NCU06821	CRO1 protein
NCU06836	acetate utilization-5
NCU06844	hypothetical protein
NCU06863	histone H1
NCU06876	adenosine 5'-monophosphoramidase
NCU06915	hypothetical protein
NCU06923	methionine aminopeptidase 1
NCU06940	hypothetical protein
NCU06941	prefoldin subunit 6
NCU06945	hypothetical protein
NCU06974	histidinol-phosphatase
NCU06998	scavenger mRNA decapping enzyme
NCU07001	methionine-5
NCU07008	carotenoid oxygenase-1
NCU07012	hypothetical protein
NCU07024	osmotic sensitive-2
NCU07027	glycogen phosphorylase
NCU07117	ornithine-N5-oxygenase
NCU07127	dienelactone hydrolase
NCU07156	histidine-6
NCU07165	mannose-6-phosphate isomerase
NCU07167	isoflavone reductase
NCU07171	actin-related protein 2
NCU07192	hypothetical protein
NCU07240	aflatoxin B1 aldehyde reductase member 2
NCU07266	diphthine synthase
NCU07273	hypothetical protein
NCU07281	glucose-6-phosphate isomerase
NCU07282	hypothetical protein
NCU07287	hypothetical protein
NCU07307	chain elongation-2
NCU07308	chain elongation-1
NCU07320	phosphatidylinositol transporter
NCU07352	hypothetical protein
NCU07366	glucosamine-fructose-6-phosphate aminotransferase
NCU07367	regulatory particle, ATPase-like-4
NCU07380	eukaryotic translation initiation factor 3
NCU07408	phosphoprotein P0
NCU07409	hypothetical protein
NCU07415	proline iminopeptidase
NCU07420	eIF4A
NCU07422	hypothetical protein
NCU07437	eukaryotic translation initiation factor 1A
NCU07451	methionyl-tRNA synthetase
NCU07458	N-acetylglucosamine-phosphate mutase
NCU07459	protein arginine N-methyltransferase-1

### Cytosolic proteins continued

NCU07467	hypothetical protein
NCU07471	F-actin-capping protein subunit beta
NCU07539	hypothetical protein
NCU07542	rad23-like
NCU07567	T-complex protein 1 subunit theta
NCU07574	hypothetical protein
NCU07589	acetyltransferase
NCU07688	rho GTPase activator Rga
NCU07690	methylenetetrahydrofolate reductase 1
NCU07700	colonial temperature-sensitive-3
NCU07719	isopentenyl-diphosphate delta-isomerase
NCU07721	regulatory particle, non-ATPase-like-1
NCU07723	norsolorinic acid reductase
NCU07725	chorismate mutase
NCU07735	Grp1p
NCU07737	salicylate hydroxylase
NCU07738	hypothetical protein
NCU07755	tyrosyl-tRNA synthetase
NCU07774	GTP cyclohydrolase-1
NCU07776	anchored cell wall protein-5
NCU07807	fructose bisphosphate aldolase
NCU07808	hypothetical protein
NCU07814	DUF89 domain-containing protein
NCU07831	eukaryotic translation initiation factor 3
NCU07832	pre-mRNA processing splicing factor 8
NCU07839	ATP-dependent RNA helicase dbp-2
NCU07866	DEAD helicase superfamily protein
NCU07868	hypothetical protein
NCU07874	nuclear and cytoplasmic polyadenylated RNA-binding protein pub1
NCU07887	ribonucleoside-diphosphate reductase small subunit
NCU07914	phosphoglycerate kinase
NCU07922	elongation factor 3
NCU07926	glutaminyI-tRNA synthetase
NCU07929	eukaryotic translation initiation factor 3 subunit 3
NCU07930	cysteine-18
NCU07936	NMDA receptor-regulated protein 1
NCU07962	hypothetical protein
NCU07987	cystathionine beta-lyase
NCU08003	RSC complex subunit
NCU08008	adenylyl cyclase-associated protein
NCU08029	thiamine pyrophosphokinase
NCU08040	NEDD8-activating enzyme E1 regulatory subunit
NCU08044	oxidoreductase
NCU08046	eukaryotic translation initiation factor 3
NCU08094	dihydrofolate reductase
NCU08130	hypothetical protein
NCU08133	carbonic anhydrase 2
NCU08162	arginine-10
NCU08171	anchored cell wall protein-12
NCU08216	cystathionine beta-synthase
NCU08275	aromatic-L-amino-acid decarboxylase
NCU08277	eukaryotic translation initiation factor 2 alpha subunit
NCU08287	pyrimidine-3
NCU08295	RNA-binding La domain-containing protein
NCU08330	hypothetical protein
NCU08332	hexagonal-1
NCU08374	hypothetical protein
NCU08402	zinc-binding alcohol dehydrogenase
NCU08409	tryptophan-3
NCU08423	bromodomain protein-3
NCU08434	5-methyltetrahydropteroyltriglutamate-homocysteine methyltransferase
NCU08436	alpha/beta hydrolase
NCU08485	WD repeat protein
NCU08499	GTPase-activating protein GYP5
NCU08501	E3 ubiquitin-protein ligase TOM1-like protein
NCU08507	zinc finger protein zpr1
NCU08535	acetyl-CoA carboxylase

#### Cytosolic proteins continued

NCU08550	hypothetical protein
NCU08554	site-specific parvulin-1
NCU08578	oxysterol binding protein
NCU08605	proteasome catalytic beta-2
NCU08666	HAD superfamily hydrolase
NCU08669	betaine aldehyde dehydrogenase 2
NCU08671	phosphomevalonate kinase
NCU08685	phosphoribosylformylglycinamide synthase
NCU08687	galactokinase
NCU08695	hypothetical protein
NCU08767	serine/threonine protein kinase-52
NCU08824	molybdopterin binding domain-containing protein
NCU08828	fatty acid oxidation-2
NCU08840	chromatin remodeling complex subunit
NCU08859	hypothetical protein
NCU08875	Cullin binding protein CanA
NCU08882	NAD binding Rossmann fold oxidoreductase
NCU08886	amidohydrolase
NCU08888	phenylalanyl-tRNA synthetase subunit beta
NCU08894	glutamyl-tRNA synthetase
NCU08920	ATP-binding cassette sub-family F member 2
NCU08923	zinc knuckle domain-containing protein
NCU08931	merozoite capping protein-1
NCU08935	peroxisomal-coenzyme A synthetase
NCU08944	N-acetyltransferase complex ARD1 subunit
NCU08952	translation regulator GCD7
NCU08955	UBX domain-containing protein
NCU08959	hypothetical protein
NCU08960	hypothetical protein
NCU08997	repressible alkaline phosphatase
NCU09014	cleavage and polyadenylation specificity factor subunit 5
NCU09040	menadione-induced gene-4
NCU09041	L-xylulose reductase
NCU09076	ATP-dependent RNA helicase
NCU09089	hypothetical protein
NCU09090	phosphopantothenate-cysteine ligase
NCU09097	hypothetical protein
NCU09111	glucose-6-phosphate 1-dehydrogenase
NCU09174	hypothetical protein
NCU09194	nuclease S1
NCU09237	KH domain RNA binding protein
NCU09239	proliferating cell nuclear antigen
NCU09264	APAF1-interacting protein
NCU09269	ran-like
NCU09320	histidine-2
NCU09371	6,7-dimethyl-8-ribityllumazine synthase
NCU09377	B-regulatory subunit-1
NCU09442	DUF757 domain-containing protein
NCU09468	tubulin alpha-2
NCU09519	2,5-diketo-D-gluconic acid reductase A
NCU09533	NAD binding Rossmann fold oxidoreductase
NCU09545	methylenetetrahydrofolate reductase 2
NCU09547	U4/U6.U5 tri-snRNP-associated protein 2
NCU09559	clock-controlled gene-9
NCU09572	ARP2/3 complex 21 kDa subunit
NCU09600	dienelactone hydrolase
NCU09646	3-ketoacyl-CoA thiolase
NCU09674	O-methyltransferase family 3
NCU09699	histone acetyltransferase Spt10
NCU09700	T-complex protein 1 subunit beta
NCU09707	hypothetical protein
NCU09709	T-complex protein 1 subunit zeta
NCU09715	alpha,alpha-trehalose-phosphate synthase
NCU09730	kinesin-1
NCU09744	nuclear pore complex subunit
NCU09746	gephyrin
NCU09783	D-isomer specific 2-hydroxyacid dehydrogenase

#### Cytosolic proteins continued

NCU09789 adenine-8  
NCU09794 NAD-binding Rossmann fold oxidoreductase  
NCU09798 aryl-alcohol dehydrogenase  
NCU09803 thioredoxin  
NCU09817 aromatic-7  
NCU09821 oxidoreductase  
NCU09841 phosphotyrosine protein phosphatase  
NCU09861 Ser/Thr protein phosphatase  
NCU09873 acetate utilization-6  
NCU09896 adenylyl-sulfate kinase  
NCU09911 formyltetrahydrofolate deformylase  
NCU09995 hypothetical protein  
NCU10007 acetate utilization-9  
NCU10029 peptide methionine sulfoxide reductase msrA  
NCU10051 flavohemoglobin  
NCU10058 phosphoglucomutase 2  
NCU10061 proteasome catalytic alpha-1  
NCU10067 regulatory particle, non-ATPase-like-12  
NCU10292 porphobilinogen deaminase  
NCU10360 hypothetical protein  
NCU10477 ubiquitin-conjugating enzyme E2  
NCU10572 short chain oxidoreductase  
NCU10810 mRNA splicing protein  
NCU10852 exochitinase  
NCU11027 zinc metalloprotease  
NCU11173 thiamine-phosphate pyrophosphorylase  
NCU11186 NUDIX family hydrolase  
NCU11195 D-isomer specific 2-hydroxyacid dehydrogenase  
NCU11259 hypothetical protein  
NCU11288 xaa-Pro dipeptidase  
NCU11292 hypothetical protein  
NCU11353 D-xylulose kinase  
NCU11356 phenazine biosynthesis PhzC/PhzF protein  
NCU11357 cell cycle control protein  
NCU11365 aminotransferase  
NCU11369 BAR domain-containing protein  
NCU11370 6-phosphogluconate dehydrogenase 2  
NCU11371 COBW domain-containing protein 1  
NCU11381 diphosphomevalonate decarboxylase  
NCU11395 S  
NCU11427 CUE domain-containing protein  
NCU12152 hypothetical protein  
NCU15835 hypothetical protein  
NCU16368 hypothetical protein  
NCU16466 nucleic acid-binding protein  
NCU16651 dihydrofolate reductase  
NCU16822 hypothetical protein  
NCU17177 glycylpeptide N-tetradecanoyltransferase

end cytosolic proteins

**Mitochondria-enriched proteome**

## Mitochondrial proteins

locus	product
NCU00160	NADH:ubiquinone oxidoreductase 6.6kD subunit
NCU00712	3-hydroxy-3-methylglutaryl-coenzyme A reductase
NCU00336	U3 small nucleolar RNA-associated protein 10
NCU02704	branched-chain alpha-keto acid dehydrogenase E
NCU01145	hypothetical protein
NCU01501	mitochondrial peptidyl-tRNA hydrolase Pth2
NCU08961	hypothetical protein, variant
NCU04781	NADH:ubiquinone oxidoreductase 9.8 kDa subunit
NCU06740	hypothetical protein
NCU00528	FHA domain-containing protein
NCU09460	NADH:ubiquinone oxidoreductase 20.1kD subunit
NCU00670	NADH:ubiquinone oxidoreductase 9.5kD subunit
NCU01324	hypothetical protein
NCU07489	serine/threonine-protein phosphatase PP-Z
NCU01296	hypothetical protein
NCU06110	thiazole biosynthetic enzyme
NCU09539	40S ribosomal protein S13
NCU09291	FAD dependent sulfhydryl oxidase Erv2
NCU00107	mitochondrial inner membrane protease ATP-23
NCU08397	hypothetical protein
NCU01024	hypothetical protein
NCU01854	hypothetical protein
NCU04653	LCCL domain-containing protein
NCU09864	2-oxoisovalerate dehydrogenase alpha subunit
NCU07062	protein kinase
NCU04907	hypothetical protein
NCU09536	hypothetical protein
NCU08940	ubiquinol-cytochrome c reductase comple
NCU00347	peroxin-26 Pex26-Penicillium chrysogenum
NCU09345	thiamine biosynthesis protein NMT-1, variant 2
NCU02472	NADH:ubiquinone oxidoreductase 20.8kD subunit
NCU05338	hypothetical protein
NCU07988	ATPase family AAA domain-containing protein 1
NCU05009	NADH-quinone oxidoreductase chain I, variant
NCU02936	proline oxidase
NCU02669	signal sequence binding protein
NCU03561	mitochondrial carrier protein
NCU06149	ATP-dependent RNA helicase dhh-1
NCU06542	mitochondrial 30S ribosomal protein S12
NCU00459	hypothetical protein
NCU08699	bli-4 protein
NCU07075	calcium/proton exchanger, variant
NCU02635	mannan polymerase complexes MNN9 subunit
NCU01754	alcohol dehydrogenase I
NCU06332	alpha/beta hydrolase
NCU01633	hexose transporter HXT13
NCU01467	NADH:ubiquinone oxidoreductase 10.4kD subunit
NCU06943	SIK1
NCU02564	cysteine synthase 2
NCU01360	NADH:ubiquinone oxidoreductase 11.5kD subunit
NCU06410	GTP-binding protein YPT52
NCU02202	serine/threonine kinase IREI
NCU05564	peroxisomal membrane protein PEX31, variant 2
NCU09299	NADH:ubiquinone oxidoreductase 14kD subunit
NCU05513	hypothetical protein
NCU08957	hypothetical protein
NCU09808	dynamain-1
NCU01142	NADH:ubiquinone oxidoreductase 13.4kD subunit
NCU03092	nuclear localization sequence binding protein
NCU10311	mitochondrial ribosomal protein subunit S4
NCU06317	stress response RCI peptide
NCU08939	mannan polymerase II complex ANP1 subunit
NCU00216	NADH-cytochrome b5 reductase 1

**Mitochondria-enriched proteome.**

## Non-mitochondrial proteins

locus	product
NCU16742	hypothetical protein
NCU16385	glutaredoxin domain-containing protein
NCU12046	gamma-butyrobetaine dioxygenase
NCU11258	LYR family protein
NCU10225	hypothetical protein
NCU09886	hypothetical protein
NCU09877	hypothetical protein
NCU09596	phytanoyl-CoA dioxygenase
NCU09517	hypothetical protein
NCU09308	glycoprotease
NCU09222	hypothetical protein
NCU09129	hypothetical protein
NCU09057	hypothetical protein
NCU08954	hypothetical protein
NCU08712	hypothetical protein
NCU08661	pantoate-beta-alanine ligase
NCU08568	ADP-ribose pyrophosphatase
NCU08166	hypothetical protein
NCU07925	LRP16
NCU07871	hypothetical protein
NCU07858	DUF498 domain-containing protein
NCU07608	ribose 5-phosphate isomerase A, variant
NCU07552	hypothetical protein
NCU07423	hypothetical protein
NCU07298	CAIB/BAIF family enzyme
NCU07267	bli-3
NCU07153	glutamate carboxypeptidase
NCU06780	tRNA
NCU06732	leukotriene A-4 hydrolase
NCU06391	hypothetical protein
NCU06336	N2,N2-dimethylguanosine tRNA methyltransferase
NCU06309	hypothetical protein
NCU06201	cell wall biogenesis protein Ecm1
NCU06069	hypothetical protein
NCU05865	hypothetical protein
NCU05838	hypothetical protein
NCU05695	hypothetical protein
NCU05652	hypothetical protein
NCU05642	cysteinyl-tRNA synthetase
NCU05541	hypothetical protein
NCU05427	ATP-dependent Clp protease, variant
NCU05279	hypothetical protein
NCU05148	hypothetical protein
NCU04815	lactoylglutathione lyase
NCU04594	4-carboxymuconolactone decarboxylase
NCU04588	hypothetical protein
NCU04577	hypothetical protein
NCU04368	glutathione S-transferase Gst3
NCU04354	DEAD box family helicase
NCU04212	hypothetical protein
NCU04113	hypothetical protein
NCU04064	hypothetical protein
NCU03817	FMI1 protein
NCU03296	F1 ATPase assembly protein 11
NCU03155	hypothetical protein
NCU03131	FAD dependent oxidoreductase superfamil
NCU03020	IdgA domain-containing protein
NCU02906	NAD-dependent malic enzyme 1
NCU02701	dipeptidyl peptidase
NCU02389	hypothetical protein
NCU02128	D-arabinitol dehydrogenase
NCU02108	BoIA domain-containing protein
NCU02095	hypothetical protein



### Mitochondria-enriched proteome - mito proteins cont'd

NCU04645	DUF124 domain-containing protein
NCU06189	5-aminolevulinate synthase
NCU03953	mitochondrial NADH-ubiquinone oxidoreductase 2
NCU03602	hypothetical protein
NCU06430	capsule-associated protein CAP1
NCU01070	hypothetical protein
NCU09816	cytochrome-26
NCU04276	hypothetical protein
NCU00352	phospholipid-transporting ATPase
NCU00249	hypothetical protein
NCU00930	mitochondrial import inner membrane translocas
NCU02074	endoplasmic oxidoreductin-1
NCU00519	ribulose-phosphate 3-epimerase
NCU09002	NADH:ubiquinone oxidoreductase 10.6kD subunit
NCU03827	40S ribosomal protein S9
NCU08947	ubiquinol-cytochrome-c reductase chain VIII
NCU03913	2-oxoisovalerate dehydrogenase beta subunit
NCU01422	multiprotein-bridging factor 1
NCU06741	cytochrome c oxidase subunit VIb
NCU05777	ubiquitin carboxyl-terminal hydrolase 14
NCU06678	exonuclease Kem1
NCU05689	cytochrome c oxidase polypeptide IV
NCU00418	NADH:ubiquinone oxidoreductase 14.8kD subunit
NCU01371	UPF0660 protein
NCU08269	pyridoxamine 5'-phosphate oxidase
NCU08930	NADH:ubiquinone oxidoreductase 21.3kD subunit A
NCU02391	protein transporter sec-24
NCU06695	cytochrome c oxidase polypeptide VI, variant
NCU03798	mitochondrial import inner membrane translocas
NCU08561	succinate/fumarate mitochondrial transporter
NCU08948	NIF domain-containing protein
NCU01101	mitochondrial import protein 1
NCU02373	NADH-ubiquinone oxidoreductase 40 kDa subunit
NCU06606	ubiquinol-cytochrome c reductase iron-sulfu
NCU05220	ATP synthase subunit F
NCU00101	pbn-1
NCU09143	hypothetical protein
NCU07495	sphingolipid long chain base-responsive protei
NCU04814	DUF21 and CBS domain-containing protein
NCU04605	hypothetical protein
NCU01401	mitochondrial outer membrane protein, variant
NCU08358	hypothetical protein
NCU05457	cytochrome c oxidase subunit IV
NCU08066	amino acid transporter
NCU05890	hypothetical protein
NCU00227	mitochondrial cation transporter
NCU05266	KH domain-containing protein
NCU03093	NADH:ubiquinone oxidoreductase 12.3kD subunit
NCU03214	ER lumen protein retaining receptor
NCU03559	ubiquinol-cytochrome c reductase complex cor
NCU09175	GPI-anchored cell wall beta-1,3-endoglucanas
NCU04174	hypothetical protein
NCU03493	glycine rich protein
NCU08354	hypothetical protein
NCU03661	GTPase-activating protein GYP7
NCU02618	peroxisomal membrane protein
NCU06924	kynurenine 3-monooxygenase
NCU05410	acetylornithine aminotransferase
NCU08541	hypothetical protein
NCU08621	hypothetical protein
NCU08411	aspartate aminotransferase
NCU00502	ATP synthase subunit 4
NCU02972	hypothetical protein
NCU06450	mitochondrial ribosomal protein
NCU05706	glutathione S-transferase
NCU02677	carbamoyl-phosphate synthase large subunit
NCU02280	NADH:ubiquinone oxidoreductase 21.3kD subunit B

### Mitochondria-enriched proteome - non-mito proteins cont'd

NCU01861	short chain dehydrogenase/reductase famil
NCU01767	phosphatase 2C family protein
NCU01651	hypothetical protein
NCU01306	hypothetical protein
NCU01218	hypothetical protein
NCU01141	CDP-diacylglycerol-glycerol-3-phosphat
NCU01092	3-oxoacyl-
NCU01015	hypothetical protein
NCU00893	folC protein
NCU00608	AMP-binding enzyme
NCU00584	hypothetical protein
NCU00562	hypothetical protein
NCU00498	molybdenum cofactor biosynthesis protein 1 B
NCU00405	glycyl-tRNA synthetase 1
NCU00378	aldehyde dehydrogenase
NCU00293	NADH pyrophosphatase
NCU00264	hypothetical protein
NCU00232	hypothetical protein
NCU00137	ssDNA binding protein
NCU00122	aspartyl aminopeptidase
NCU00051	hypothetical protein

Hypothetical 41

**Mitochondria-enriched proteome - mito proteins cont'd**

NCU01689	mitochondrial DNA replication protein YHM2
NCU01666	acetolactate synthase small subunit
NCU05390	mitochondrial phosphate carrier protein
NCU02475	glycine dehydrogenase
NCU07732	carbamoyl-phosphate synthase small subunit
NCU04783	EH domain binding protein epsin 2
NCU04265	invertase
NCU01761	hypothetical protein
NCU03608	ketol-acid reductoisomerase
NCU06524	protease inhibitor
NCU04245	outer mitochondrial membrane translocase
NCU04421	annexin XIV, variant
NCU00431	mitochondrial import receptor subunit Tom22
NCU03837	Snf1 kinase complex beta-subunit Gal83
NCU00684	endonuclease/Exonuclease/phosphatase
NCU03966	mitochondrial Rho GTPase 1
NCU01241	mitochondrial carrier protein
NCU09123	Ca/CaM-dependent kinase-1, variant 2
NCU00789	DUF221 domain-containing protein
NCU00461	NAD-specific glutamate dehydrogenase
NCU00536	homoserine O-acetyltransferase
NCU00969	NADH:ubiquinone oxidoreductase 17.8kD subunit
NCU05221	NADH:ubiquinone oxidoreductase 21kD subunit
NCU04754	branched-chain-amino-acid aminotransferase
NCU03735	hypothetical protein
NCU01821	alanine-glyoxylate aminotransferase
NCU03129	threonyl-tRNA synthetase
NCU08720	hypothetical protein
NCU04481	mitochondrial ATPase
NCU00411	hypothetical protein
NCU06875	hypothetical protein
NCU03711	GTP-binding protein ypt7
NCU02951	40S ribosomal protein S8
NCU01550	adenylate kinase cytosolic
NCU01485	hypothetical protein
NCU06768	60S ribosomal protein L16
NCU03076	delta-1-pyrroline-5-carboxylate dehydrogenase
NCU06662	mitochondrial carrier protein
NCU01878	vesicle-mediated transporter
NCU07112	hypothetical protein
NCU05454	glycerol-3-phosphate dehydrogenase
NCU04412	hypothetical protein
NCU00567	Arg-6 protein, variant
NCU00436	GTPase FZO1
NCU17017	mitochondrial inner membrane protease subunit 1
NCU07756	succinate dehydrogenase cytochrome b560 subunit
NCU07884	mitochondrial oxaloacetate transporter
NCU05027	hypothetical protein
NCU02623	mitochondrial hypoxia responsiv
NCU05299	NADH:ubiquinone oxidoreductase
NCU04579	dihydroxy-acid dehydratase
NCU03556	peroxisomal membrane protein Pmp47
NCU02133	superoxide dismutase
NCU01650	hypothetical protein
NCU00114	30S ribosomal protein S10
NCU01680	plasma membrane ATPase
NCU04899	malate dehydrogenase
NCU01765	NADH:ubiquinone oxidoreductase 78
NCU00050	pyruvate dehydrogenase X component
NCU04946	hypothetical protein
NCU02064	hypothetical protein
NCU01528	glyceraldehyde 3-phosphate-dehydrogenase
NCU10468	arginine biosynthesis argJ
NCU09477	ADP/ATP carrier protein, variant
NCU02544	ABC transporter
NCU09223	protein disulfide-isomerase
NCU04569	5-oxoprolinase

#### Mitochondria-enriched proteome - mito proteins cont'd

NCU04138	hypothetical protein
NCU03230	mitochondrial ribosomal protein subunit S18
NCU10048	3-methyl-2-oxobutanoate
NCU07879	mitochondrial metal transporter 2
NCU07384	mitochondrial thiamine pyrophosphate carrier 1
NCU02295	phosphatidylinositol-4-phosphate 5-kinase $\text{Ikt3}$
NCU01747	glycerophosphocholine phosphodiesterase Gde1
NCU04636	cysteine desulfurase
NCU00573	hypothetical protein
NCU00430	Na
NCU09119	ATP synthase subunit gamma
NCU03982	glucose-regulated protein
NCU01905	sorbitol dehydrogenase
NCU09463	leucyl-tRNA synthetase
NCU02407	dihydrolipoyl dehydrogenase
NCU12023	mito ribosomal protein S2
NCU08272	cytochrome b2
NCU03802	trimethyllysine dioxygenase
NCU02657	s-adenosylmethionine synthetase, variant
NCU00564	mitochondrial 40S ribosomal protein MRP2
NCU00166	isochorismatase domain-containing protein 2A
NCU05633	stomatin family protein
NCU05526	homocitrate synthase, variant 2
NCU04249	hypothetical protein
NCU08980	alternative NADH-dehydrogenase
NCU04230	isocitrate lyase
NCU03813	formate dehydrogenase
NCU02269	mitochondrial carnitine/acylcarnitine carrier
NCU01692	mitochondrial citrate synthase
NCU01606	ATP synthase subunit 5
NCU00894	hypothetical protein
NCU04044	NADH2 dehydrogenase flavoprotein 1
NCU00605	ThiF domain-containing protein
NCU11345	hypothetical protein
NCU02450	threonine dehydratase
NCU01484	rho-type GTPase
NCU03343	37S ribosomal protein S25
NCU08071	ribosomal protein S16
NCU05881	DUF500 and UBA/TS-N domain-containing protein
NCU02482	2-methylcitrate synthase, variant 2
NCU02419	mitochondrial 37S ribosomal protein S17
NCU01859	NADH:ubiquinone oxidoreductase 20.9kD subunit
NCU08949	hypothetical protein
NCU02013	hypothetical protein
NCU01179	outer membrane translocase 40 kDa subunit
NCU05717	mito ribosomal protein S6
NCU03877	C-1-tetrahydrofolate synthase
NCU03112	NADH-cytochrome b5 reductase 2
NCU05226	ABC transporter
NCU04807	universal stress protein family
NCU02514	mitochondrial ATP synthase alpha subunit
NCU03558	hypothetical protein
NCU08120	mitochondrial ribosomal protein DAP3
NCU01444	rebe small monomeric GTPase RhoA
NCU01021	Eukaryotic translation initiation factor 3 subunit F
NCU09537	rho-GTPase-activating protein 8
NCU08924	acyl-CoA dehydrogenase
NCU09903	elongation factor 3
NCU07560	50S ribosomal subunit L30
NCU05008	acp-1
NCU05430	ATP synthase beta subunit
NCU03753	clock controlled protein CCG-1
NCU10008	fumarate hydratase
NCU07414	DnaJ family protein
NCU06666	inositol-3-phosphate synthase
NCU09228	aminopeptidase 2
NCU04566	protein kinase SNF1

**Mitochondria-enriched proteome - mito proteins cont'd**

NCU04013	aldehyde dehydrogenase
NCU02451	mitochondrial hypoxia responsiv
NCU02545	hypothetical protein
NCU02504	DUF1640 domain-containing protein
NCU01454	mitochondrial hydrolase
NCU06881	succinyl-CoA:3-ketoacid-coenzyme A transferas
NCU02812	uridylate kinase
NCU06643	oleate-induced peroxisomal protein
NCU08146	hypothetical protein
NCU07280	serine/threonine-protein kinase gad8
NCU05425	2-oxoglutarate dehydrogenase E1 component
NCU04280	aconitate hydratase
NCU02727	glycine cleavage system T protein
NCU05593	mitochondrial outer membrane beta-barrel protei
NCU04837	mitochondrial 2-oxodicarboxylate carrier 1
NCU06482	pyruvate dehydrogenase E1 component alph
NCU05075	mitochondrial tricarboxylate transporter
NCU02585	aspartyl-tRNA synthetase
NCU02337	mitochondrial carrier protein
NCU03116	Ras GTPase activating protein
NCU08861	hypothetical protein
NCU07982	acetolactate synthase
NCU10020	methionine synthase
NCU09885	acyl-CoA dehydrogenase
NCU07253	1,3-beta-glucanosyltransferase gel1
NCU04180	mitochondrial folate carrier protein Flx1
NCU03339	glutathione reductase
NCU09999	hypothetical protein
NCU07659	pyruvate dehydrogenase complex
NCU05029	iron-sulfur clusters transporter atm-1
NCU11311	small zinc finger protein Tim8
NCU08898	homoaconitase
NCU01473	mitochondrial large ribosomal subunit YmL35
NCU16791	mitochondrial inner membrane protease subunit 2
NCU05400	hypothetical protein
NCU03882	hypothetical protein
NCU02549	ubiquinol-cytochrome-c reductase subunit beta
NCU09741	NADPH-cytochrome P450 reductase
NCU07057	hypothetical protein
NCU04379	neuronal calcium sensor 1
NCU09810	succinyl-CoA synthetase subunit alpha
NCU09551	MFS multidrug transporter
NCU09108	hypothetical protein
NCU04380	acyl-CoA synthetase
NCU03653	hypothetical protein
NCU00737	presequence translocated-associated moto
NCU00385	ATP synthase subunit delta
NCU07362	L-lactate ferricytochrome c oxidoreductase
NCU06441	D-lactate dehydrogenase 2
NCU03926	37S ribosomal protein Rsm24
NCU03216	adenylate kinase
NCU02690	mitochondrial integral membrane protein
NCU06469	54S ribosomal protein L12
NCU07941	aspartate aminotransferase
NCU06761	sphingosine-1-phosphate lyase
NCU04803	2-nitropropane dioxygenase famil
NCU02639	argininosuccinate synthase, variant
NCU01219	glutaredoxin
NCU00316	peroxisomal adenine nucleotide transporter 1
NCU07549	mitochondrial ribosomal protein L43
NCU04181	TOM7, variant 2
NCU01227	succinyl-CoA ligase alpha-chain
NCU09770	acetyl-coa hydrolase
NCU08693	hsp70-like protein
NCU07697	isocitrate dehydrogenase subunit 2
NCU04074	NADH:ubiquinone oxidoreductase 30.4 kDa subunit
NCU02757	60S ribosomal protein L2

**Mitochondria-enriched proteome - mito proteins cont'd**

NCU02534	NADH:ubiquinone oxidoreductase 49kD subunit
NCU01213	superoxide dismutase
NCU06038	ribosomal protein L36
NCU04415	hypothetical protein
NCU02438	dihydrolipoamide succinyltransferase
NCU01589	heat shock protein 60
NCU09534	peroxiredoxin HYR1
NCU01965	valyl-tRNA synthetase
NCU00896	synaptojanin-1
NCU00828	peroxisomal membrane protein
NCU06749	60S ribosomal protein L3
NCU08053	hypothetical protein
NCU06958	mito ribosomal protein S21
NCU04753	NADH:ubiquinone oxidoreductase 11.6kD subunit
NCU04806	hypothetical protein
NCU04502	hypothetical protein
NCU03188	sugar 1,4-lactone oxidase
NCU06451	hypothetical protein
NCU04410	tRNA ligase
NCU00905	N-acyl ethanolamine amidohydrolase
NCU08471	succinyl-CoA ligase beta-chain
NCU08329	mitochondrial ribosomal protein subunit L23
NCU07310	hypothetical protein
NCU01546	coproporphyrinogen III oxidase
NCU01010	hypothetical protein
NCU00136	Mito Translational Optimization
NCU08356	acetamidase
NCU08336	succinate dehydrogenase flavoprotein subunit
NCU00477	carboxypeptidase Y
NCU04768	electron transfer flavoprotein-ubiquinon
NCU00680	2-methylcitrate dehydratase
NCU00676	F1-ATP synthase assembly protein
NCU01545	autophagy protein 8
NCU03888	DUF500 and SH3 domain-containing protein
NCU10028	bax Inhibitor family protein
NCU06760	pyruvate dehydrogenase kinase
NCU08552	50S ribosomal protein L14
NCU06452	cysteine synthase
NCU02959	hypothetical protein
NCU01975	complex I intermediate-associated protein CIA30
NCU01255	mitochondrial dynamin GTPase
NCU07493	hypothetical protein
NCU07852	ribosomal protein L13
NCU05313	mitochondria fission 1 protein
NCU07733	electron transfer flavoprotein beta-subunit
NCU04336	60S ribosomal protein L19
NCU03695	phosphatidylserine decarboxylase proenzyme 1
NCU03297	cytochrome c peroxidase
NCU03004	pyruvate dehydrogenase E1 component
NCU05248	hypothetical protein
NCU01514	mitochondrial dicarboxylate carrier
NCU09347	fructose-2,6-bisphosphatase
NCU06211	malate dehydrogenase, variant
NCU03857	tricarboxylic acid-5 protein, variant 2
NCU03211	hypothetical protein
NCU01667	ornithine carbamoyltransferase
NCU09598	mitochondrial escape protein 2
NCU08299	60S ribosomal protein L3
NCU03947	ubiquitin ligase
NCU01169	NADH:ubiquinone oxidoreductase 24
NCU03177	sco1
NCU01808	cytochrome c
NCU00644	ATP synthase subunit G
NCU03739	protein disulfide-isomerase tigA
NCU03158	alpha/beta hydrolase
NCU09688	AP-1 complex subunit mu
NCU09017	hypothetical protein

**Mitochondria-enriched proteome** - mito proteins cont'd

NCU02804	mitochondrial 60S ribosomal protein L25
NCU07724	mitochondrial division protein 1
NCU06880	AhpC/TSA family protein
NCU05552	hypothetical protein
NCU04945	mitochondrial intermembrane space protein Mia40
NCU03229	mitochondrial inner membrane translocase subunit
NCU01800	37S ribosomal protein S5
NCU08877	glycine cleavage system H protein
NCU05515	mitochondrial import inner membrane translocase
NCU00673	serine protease p2
NCU03777	mitochondrial 3-hydroxyisobutyryl-CoA hydrolase
NCU07286	membrane-associated progesterone receptor
NCU03199	ATP synthase subunit H
NCU01102	mitochondrial export translocase Oxa1
NCU00959	succinate dehydrogenase iron-sulfur protein
NCU00591	methylcrotonoyl-CoA carboxylase subunit alpha
NCU09732	acetyl-CoA acetyltransferase
NCU02580	fumarate reductase Osm1
NCU06244	mitochondrial import inner membrane translocase
NCU00775	isocitrate dehydrogenase subunit 1
NCU06518	NADH-cytochrome b5 reductase 2
NCU03922	hydroxymethylglutaryl-CoA synthase
NCU01962	encodes anonymous transcript-5 protein, variant
NCU00895	RAB GTPase Ypt5
NCU05270	Eukaryotic translation initiation factor 5B
NCU04225	60S ribosomal protein L20
NCU00582	cryptochrome DASH
NCU06307	multisynthetase complex auxiliary component p43
NCU00360	NAD dependent epimerase/dehydratase
NCU09366	proteasome component C5
NCU07955	mitochondrion biogenesis protein
NCU08707	iron sulfur assembly protein
NCU07824	MDM10
NCU00056	3-oxoacyl-[acyl-carrier-protein]-synthase
NCU05623	mitochondrial inner membrane translocase subunit
NCU04817	electron transfer protein 1
NCU04100	vacuolar sorting protein 1
NCU00951	inorganic pyrophosphatase
NCU16833	hypothetical protein
NCU03893	short-chain dehydrogenase/reductase SDR
NCU03737	elongation factor Tu
NCU02403	ubiquinone biosynthesis protein COQ9
NCU01564	calcium dependent mitochondrial carrier protein
NCU08477	small GTP-binding protein
NCU08145	coenzyme A transferase
NCU06559	3-hydroxyisobutyrate dehydrogenase
NCU03359	intermembrane space AAA protease IAP-1
NCU02153	hypothetical protein
NCU02070	peroxisomal biogenesis factor 2
NCU08296	mito ribosomal protein S4
NCU01894	hypothetical protein
NCU03992	fimbrin
NCU03173	HAD superfamily hydrolase
NCU06832	kinesin
NCU06247	hypothetical protein
NCU08291	ferrochelatase
NCU04149	mitochondrial GTPase
NCU08946	hypothetical protein
NCU00958	5-azacytidine resistance protein azr1
NCU00153	pyridine nucleotide-disulfide oxidoreductase
NCU09309	proteasome component PRE2
NCU00660	glutamyl-tRNA amidotransferase
NCU04334	chaperonin
NCU03276	bem46 family protein, variant
NCU00725	epsin-3
NCU00371	mitochondrial import inner membrane translocase
NCU00484	NADH:ubiquinone oxidoreductase 18.4kD subunit



**Mitochondria-enriched proteome - mito proteins cont'd**

NCU01023	50S ribosomal protein L17
NCU08936	clock-controlled gene-15, variant
NCU05202	hypothetical protein
NCU10021	MFS monosaccharide transporter
NCU03217	MRS7 family protein
NCU00075	mitochondrial import inner membrane translocas
NCU08312	Sec1 family superfamily protein
NCU03979	biotin synthase
NCU02954	homoisocitrate dehydrogenase
NCU02548	hypothetical protein
NCU09403	NmrA family protein
NCU09327	protein phosphatase
NCU03006	sterol 24-C-methyltransferase
NCU08352	thioredoxin-disulfide reductase
NCU03156	NUO
NCU02366	aconitase
NCU02155	hypothetical protein
NCU08991	sulfur control-3 protein, variant
NCU07550	triosephosphate isomerase
NCU04015	vacuolar protein sorting-associated protein 27
NCU03516	mitochondrial ribosomal protein subunit L32
NCU02773	hypothetical protein
NCU03637	CaaX prenyl protease Ste24
NCU09331	HMF1
NCU02734	citrate lyase beta subunit
NCU10732	mitochondrial dicarboxylate transporter
NCU07947	glycolipid transfer protein HET-C2
NCU03525	3-oxoacyl-[acyl-carrier-protein]-reductase
NCU02807	hypothetical protein
NCU01474	60S ribosomal protein L4, variant
NCU00537	hypothetical protein
NCU09553	3-hydroxybutyryl CoA dehydrogenase
NCU07853	uricase
NCU00211	mitochondrial ribosomal protein subunit L31
NCU07020	vacuolar protein sorting-associated protei
NCU16821	hypothetical protein
NCU04554	endochitinase 1
NCU04452	12-oxophytodienoate reductase 1
NCU04388	phosphatidylglycerol/phosphatidylinosito
NCU03008	hypothetical protein
NCU07263	carnitine/acyl carnitine carrier
NCU03125	NIMA-interacting protein TinC
NCU03796	pyruvate dehydrogenase kinase
NCU02291	glutaryl-CoA dehydrogenase
NCU08004	electron transfer flavoprotein alpha-subunit
NCU04429	mitochondrial import protein mmp37
NCU08893	60S ribosomal protein L1
NCU07473	glycosyltransferase family 28 domain-containin
NCU05488	RNA-binding protein Vip1
NCU04068	60S ribosomal protein L6
NCU09450	26S proteasome regulatory subunit rpn2
NCU05714	50S ribosomal subunit protein L15
NCU00655	mitochondrial enoyl reductase
NCU06632	outer mitochondrial membrane translocase 20
NCU01258	cyanase, variant
NCU00549	glutathione transferase omega-1
NCU05982	hexaprenyldihydroxybenzoate methyltransferase
NCU04910	hypothetical protein
NCU08382	peroxisomal half ABC transporter
NCU06448	enoyl-CoA hydratase
NCU02943	mitochondrial import inner membrane translocas
NCU05419	hydroxymethylglutaryl-CoA lyase
NCU03667	hypothetical protein
NCU07478	mitochondrial carrier protein
NCU08002	carnitine acetyl transferase
NCU07386	Fe superoxide dismutase
NCU02287	acyl-CoA dehydrogenase

**Mitochondria-enriched proteome - mito proteins cont'd**

NCU08941	calcium-binding mitochondrial carrier protei
NCU08048	NAD dehydrogenase
NCU07904	short chain dehydrogenase/reductase
NCU03925	toxin biosynthesis protein
NCU07468	NAD dependent epimerase/dehydratase
NCU06914	histidyl-tRNA synthetase
NCU06086	regulatory protein suaprga1
NCU02305	decaprenyl-diphosphate synthase subunit 1
NCU01104	ATP-dependent RNA helicase MSS116
NCU05261	ATP-dependent protease La
NCU01007	mito ribosomal protein S18
NCU07578	peroxisomal adenine nucleotide transporter 1
NCU01985	sulfate adenylyltransferase
NCU01469	hypothetical protein
NCU02960	peroxisomal targeting signal receptor
NCU07682	acetylglutamate synthase
NCU05363	26S protease regulatory subunit 8
NCU02955	elongation factor G 1
NCU06403	hypothetical protein
NCU05971	xaa-Pro dipeptidase
NCU03394	ribosomal protein S15
NCU08692	cya-5
NCU07465	mitochondrial phosphate carrier protein 2
NCU03347	kynurenine-oxoglutarate transaminase 1
NCU01006	complex I intermediate-associated protein CIA84
NCU00726	peptidyl-prolyl cis-trans isomerase
NCU00694	hypothetical protein
NCU09693	hypothetical protein
NCU06424	aminomethyl transferase
NCU04509	HIT domain-containing protein
NCU04370	ubiquitin-activating enzyme E1 1
NCU09602	heat shock protein 70
NCU09594	seryl-tRNA synthetase
NCU09599	hypothetical protein
NCU05686	cell wall glucanase
NCU01272	mitochondrial presequence protease
NCU05813	mitochondrial large ribosomal subunit
NCU00565	lipoic acid synthetase
NCU03357	ubiquitin conjugation factor E4, variant
NCU03094	hypothetical protein
NCU02136	transaldolase
NCU02063	mitochondrial intermediate peptidase
NCU08278	mitochondrial carrier protein
NCU05288	rab GDP-dissociation inhibitor
NCU04287	hypothetical protein
NCU09560	superoxide dismutase
NCU03030	tyrosyl-tRNA synthetase
NCU00599	mito ribosomal protein S22
NCU02123	mitochondrial GTPase
NCU00831	extracellular serine carboxypeptidase, variant
NCU10987	MFS transporter Fmp42
NCU07670	CYT-19 DEAD-box protein
NCU06331	hypothetical protein
NCU00977	aconitate hydratase
NCU06270	mitochondrial-processing peptidase subuni
NCU05302	GTP-binding protein Obg
NCU02846	hypothetical protein
NCU07793	hypothetical protein
NCU05517	mitochondrial genome maintenance protein MGM101
NCU06103	Mito Translation initiation factor
NCU01479	matrix AAA protease MAP-1
NCU01343	TPR repeat protein
NCU00395	mRNA processing protein
NCU00030	mitochondrial nuclease
NCU05828	hypothetical protein
NCU01512	phenylalanyl-tRNA synthetase
NCU08416	DUF1674 domain-containing protein

**Mitochondria-enriched proteome - mito proteins cont'd**

NCU01175	farnesyl-pyrophosphate synthetase
NCU08791	catalase-1
NCU04008	mitochondrial ATPase
NCU03908	fmp-52
NCU00486	hypothetical protein
NCU05805	serine hydroxymethyltransferase
NCU04578	ATP-dependent Clp protease proteolytic subunit
NCU09754	mitochondrial chaperone Frataxin
NCU06536	hypothetical protein
NCU04809	MFS phospholipid transporter
NCU02224	26S proteasome non-ATPase regulatory subunit 3
NCU01553	para-hydroxybenzoate-polyprenyltransferase Coq2
NCU00952	mitochondrial ribosomal protein L44
NCU09025	glutamyl-tRNA
NCU08909	beta-1,3-glucanosyltransferase
NCU05772	TOM6
NCU08992	hypothetical protein
NCU01568	hypothetical protein
NCU06778	OXA-2
NCU02002	hypothetical protein
NCU00936	succinate semialdehyde dehydrogenase
NCU09132	alpha tubulin
NCU05601	cytochrome c heme lyase
NCU09091	mitochondrial inner membrane magnesium
NCU09058	enoyl-CoA hydratase
NCU08005	NADPH-adrenodoxin reductase Arh1
NCU06543	acyl-CoA dehydrogenase
NCU00923	topogenesis of outer membrane beta barrel
NCU00278	hypothetical protein
NCU02481	mitochondrial 2-methylisocitrate lyase
NCU04292	branched-chain-amino-acid aminotransferase
NCU08126	D-lactate dehydrogenase
NCU06308	DNA-directed RNA polymerase
NCU03372	nonspecific lipid-transfer protein
NCU03231	mitochondrial chaperone BCS1
NCU06371	mitochondrial ATP-dependent RNA helicase Suv3
NCU09266	methylmalonate-semialdehyde dehydrogenase
NCU01657	cytochrome-c oxidase assembly protein
NCU02396	mitochondrial FAD-linked sulfhydryl oxidase
NCU02634	hypothetical protein
NCU03764	microtubule associated protein
NCU05558	3-ketoacyl-CoA thiolase
NCU03989	ADP,ATP carrier protein
NCU02499	DNL zinc finger domain-containing protein
NCU05927	GTP-binding protein GUF1
NCU06031	mitochondrial peroxiredoxin PRX1
NCU02193	pyruvate decarboxylase
NCU01916	mitochondrial carrier protein RIM2
NCU00823	26S proteasome regulatory subunit RPN11
NCU06556	thioredoxin II
NCU06698	glycogenin, variant
NCU06786	50S ribosomal protein L30
NCU05225	mitochondrial NADH dehydrogenase
NCU08410	50S ribosomal protein L24
NCU06587	hypothetical protein
NCU02705	F1F0 ATP synthase assembly protein Atp10
NCU02267	mitochondrial protein Fmp25
NCU08998	4-aminobutyrate aminotransferase
NCU03759	methionine-tRNA synthetase
NCU01810	hypothetical protein
NCU03310	prohibitin-2
NCU00355	catalase-3
NCU06309	hypothetical protein
NCU00904	D-lactate dehydrogenase
NCU05287	50S ribosomal protein L4
NCU06017	thiosulfate sulfurtransferase
NCU04202	nucleoside diphosphate kinase

**Mitochondria-enriched proteome - mito proteins cont'd**

NCU02802	mitochondrial ornithine carrier protein
NCU06647	enoyl-CoA hydratase/isomerase
NCU06550	pyridoxine 1
NCU06351	phytase
NCU07021	peptide chain release factor 3
NCU03338	hypothetical protein
NCU00918	hypothetical protein
NCU03823	ABC1 protein
NCU00575	glucokinase
NCU02973	mitochondrial carrier protein
NCU03816	hypothetical protein
NCU07802	hypothetical protein
NCU06721	peptide chain release factor 1
NCU03031	succinate dehydrogenase cytochrome b smal
NCU02946	mitochondrial carrier domain-containing protein
NCU00103	hypothetical protein
NCU05535	hypothetical protein
NCU02127	methylcrotonoyl-CoA carboxylase subunit beta
NCU01428	hydroxyisourate hydrolase
NCU05459	mitochondrial AAA ATPase
NCU04171	50S ribosomal protein L5
NCU03957	COQ7
NCU02273	vacuolar protease A
NCU09263	anchored cell wall protein 4
NCU09826	RNase III domain-containing protein
NCU07295	mitochondrial import inner membrane translocas
NCU01328	transketolase
NCU05850	rubredoxin-NAD
NCU02887	voltage-gated potassium channel beta-2 subunit
NCU02630	heat shock protein 78
NCU00466	glutamyl-tRNA synthetase
NCU06549	pyridoxine 2
NCU00183	DUF185 domain-containing protein
NCU02480	short-chain dehydrogenase/reductase
NCU06246	ATP-dependent RNA helicase mrh-4
NCU02530	cytochrome c oxidase copper chaperone Cox17
NCU04600	protein phosphatase 2C isoform gamma
NCU09432	SNARE-dependent exocytosis protein
NCU05196	mitochondrial DnaJ chaperone
NCU02157	COQ4
NCU17277	hypothetical protein
NCU04313	methionyl-tRNA formyltransferase
NCU04098	monothiol glutaredoxin-5
NCU16968	cytochrome c mitochondrial import factor
NCU06546	hypothetical protein
NCU09862	ubiquinone biosynthesis methyltransferase coq5
NCU04764	hypothetical protein
NCU03929	acyl-CoA synthetase
NCU03814	leucyl-tRNA synthetase
NCU08093	hypothetical protein
NCU07794	2Fe-2S iron-sulfur cluster bindin
NCU04137	vacuolar protein sorting-associated protei
NCU16657	tryptophanyl-tRNA synthetase
NCU09285	zinc-containing alcohol dehydrogenase
NCU04736	plasma membrane calcium-transporting ATPase 3
NCU03949	FMN-dependent 2-nitropropane dioxygenase
NCU02948	non-anchored cell wall protein 4
NCU02126	isovaleryl-CoA dehydrogenase
NCU01041	mitochondrial metalloendopeptidase OMA1
NCU08138	cytochrome C1 heme lyase
NCU00635	nascent polypeptide-associated complex subuni
NCU01304	mitochondrial mRNA processing protein PET127
NCU03749	hydroxyacylglutathione hydrolase
NCU02423	mitoferrin-1
NCU07742	poly
NCU01516	mitochondrial co-chaperone GrpE
NCU08418	tripeptidyl-peptidase

Mitochondria-enriched proteome - mito proteins cont'd	
NCU09255	acetate non-utilizing protein 9
NCU09447	NAD
NCU05778	iron sulfur cluster assembly protein 1
NCU00734	Ulp1 protease
NCU03340	cytochrome-c oxidase chain VIIc
NCU09243	hypothetical protein
NCU06404	GTP-binding protein
NCU10226	mmf1
NCU01297	hypothetical protein
NCU06603	ThiJ/PfpI family protein
NCU04433	sulfate permease II
NCU07121	modin
NCU00641	cytochrome c oxidase-assembly factor cox-16
NCU08810	mitochondrial import inner membrane translocas
NCU08476	hypothetical protein
NCU00399	cell wall protein PhiA
NCU01955	autophagocytosis protein Aut1
NCU06495	mitochondrial inner membrane organizatio
NCU06346	hypothetical protein
NCU02750	PH domain-containing protein
NCU06926	hypothetical protein
NCU07332	hypothetical protein
NCU01140	NAD
NCU06436	hypothetical protein
NCU08728	mitochondrial ribosomal protein S19
NCU08326	mitochondrial carrier protein LEU5
NCU02179	D-lactate dehydrogenase
NCU02162	SURF-family protein
NCU07546	multidrug resistance protein MDR
NCU05495	CVNH domain-containing protein
NCU07407	MutS2 protein
NCU06141	protoheme IX farnesyltransferase
NCU09182	stress responsive A/B barrel domain-containin
NCU00865	oxalate decarboxylase oxdC
NCU00276	DNA polymerase gamma
NCU02097	short chain dehydrogenase
NCU07481	morphogenesis protein
NCU01914	sorting nexin-3
NCU00465	chaperone dnaJ
NCU06687	glycogen synthase, variant 3
NCU09975	multidrug resistance protein 3
NCU05005	HHE domain-containing protein

Table S3. Analysis of the <i>Neurospora crassa</i> mitochondrial proteome.					
More abundant proteins are highlighted in green, and those in pink are less abundant.					
z-values of < -1.86 or > 1.86 are considered significant (0.05)					
Locus	Description of protein	Total Ion Counts		Difference (log2)	
		WT	$\Delta$ Por-1	$\Delta$ Por-1- WT	z-value
Proteins in higher relative abundance in $\Delta$ Por-1					
NCU06043	GPR/FUN34 family protein	18.50	22.22	3.72	4.20
NCU05005	HHE domain-containing protein	21.09	24.28	3.19	3.70
NCU09975	multidrug resistance protein 3	17.65	20.29	2.64	3.18
NCU06687	glycogen synthase, variant 3	20.58	23.21	2.63	3.17
NCU08954	hypothetical protein	21.01	23.20	2.19	2.75
NCU00465	chaperone dnaJ	17.70	19.88	2.18	2.75
NCU01914	sorting nexin-3	17.12	19.28	2.16	2.73
NCU01092	3-oxoacyl-	20.74	22.80	2.06	2.63
NCU04594	4-carboxymuconolactone decarboxylase	17.89	19.71	1.82	2.41
NCU07481	morphogenesis protein	15.58	17.30	1.72	2.31
NCU07851	superoxide dismutase 1 copper chaperone	18.61	20.30	1.69	2.28
NCU02097	short chain dehydrogenase	21.51	23.15	1.64	2.23
NCU00276	DNA polymerase gamma	18.43	20.01	1.58	2.18
NCU00865	oxalate decarboxylase oxdC	21.56	23.13	1.57	2.17
NCU09182	stress responsive A/B barrel domain-contains	17.86	19.35	1.49	2.09
NCU04368	glutathione S-transferase Gst3	21.12	22.61	1.49	2.09
NCU05695	hypothetical protein	18.40	19.87	1.47	2.07
NCU06141	protoheme IX farnesyltransferase	16.95	18.39	1.44	2.05
NCU07407	MutS2 protein	18.08	19.51	1.43	2.04
NCU05495	CVNH domain-containing protein	19.57	21.00	1.43	2.04
NCU07546	multidrug resistance protein MDR	20.20	21.57	1.37	1.98
NCU02162	SURF-family protein	22.22	23.53	1.31	1.92
NCU00893	folC protein	16.69	18.00	1.31	1.92
Proteins in lower relative abundance in $\Delta$ Por-1					
NCU03561	mitochondrial carrier protein	27.25	24.55	-2.70	-1.87
NCU02669	signal sequence binding protein	20.40	17.69	-2.71	-1.88
NCU02936	proline oxidase	23.76	21.04	-2.72	-1.89
NCU05009	NADH:quinone oxidoreductase chain I, variant	25.07	22.30	-2.77	-1.93
NCU07988	ATPase family AAA domain-containing protein 1	22.62	19.78	-2.84	-2.00
NCU05338	hypothetical protein	26.18	23.31	-2.87	-2.03
NCU02472	NADH:ubiquinone oxidoreductase 20.8kD subunit	26.39	23.51	-2.88	-2.04
NCU09345	thiamine biosynthesis protein NMT-1, variant 2	26.30	23.39	-2.91	-2.07
NCU09536	hypothetical protein	23.59	20.58	-3.01	-2.16
NCU08940	ubiquinol-cytochrome c reductase comple	24.26	21.25	-3.01	-2.16
NCU00347	peroxin-26 Pex26-Penicillium chrysogenum	21.12	18.11	-3.01	-2.16
NCU04907	hypothetical protein	22.28	19.26	-3.02	-2.17
NCU07062	protein kinase	17.15	14.10	-3.05	-2.20
NCU09864	2-oxoisovalerate dehydrogenase alpha subunit	20.09	17.02	-3.07	-2.22
NCU04653	LCCL domain-containing protein	18.37	15.27	-3.10	-2.25
NCU01854	hypothetical protein	21.23	18.10	-3.13	-2.28
NCU01024	hypothetical protein	24.44	21.29	-3.15	-2.29
NCU08397	hypothetical protein	19.41	16.24	-3.17	-2.31
NCU00107	mitochondrial inner membrane protease ATP-23	23.45	20.26	-3.19	-2.33
NCU09291	FAD dependent sulfhydryl oxidase Erv2	20.82	17.61	-3.21	-2.35
NCU09539	40S ribosomal protein S13	23.20	19.97	-3.23	-2.37
NCU06110	thiazole biosynthetic enzyme	25.24	21.98	-3.26	-2.40
NCU01296	hypothetical protein	20.31	17.00	-3.31	-2.45
NCU07489	serine/threonine-protein phosphatase PP-Z	18.99	15.60	-3.39	-2.52
NCU01324	hypothetical protein	19.22	15.79	-3.43	-2.56
NCU00670	NADH:ubiquinone oxidoreductase 9.5kD subunit	24.07	20.62	-3.45	-2.58
NCU09460	NADH:ubiquinone oxidoreductase 20.1kD subunit	23.75	20.29	-3.46	-2.59
NCU00528	FHA domain-containing protein	20.04	16.47	-3.57	-2.69
NCU06740	hypothetical protein	21.02	17.27	-3.75	-2.86
NCU04781	NADH:ubiquinone oxidoreductase 9.8 kDa subunit	23.22	19.13	-4.09	-3.18
NCU08961	hypothetical protein, variant	19.34	15.17	-4.17	-3.26
NCU01501	mitochondrial peptidyl-tRNA hydrolase Pth2	22.49	18.29	-4.20	-3.29
NCU01145	hypothetical protein	18.91	14.44	-4.47	-3.54
NCU02704	branched-chain alpha-keto acid dehydrogenase E	21.85	17.32	-4.53	-3.60
NCU00336	U3 small nucleolar RNA-associated protein 10	22.24	17.55	-4.69	-3.75
NCU00712	3-hydroxy-3-methylglutaryl-coenzyme A reductase	21.93	16.99	-4.94	-3.99
NCU00160	NADH:ubiquinone oxidoreductase 6.6kD subunit	22.26	16.10	-6.16	-5.14
NCU02179	D-lactate dehydrogenase	20.17	21.41	1.24	1.86
NCU08326	mitochondrial carrier protein LEU5	20.87	22.10	1.23	1.85



NCU08568	ADP-ribose pyrophosphatase	19.75	20.95	1.20	1.82
NCU08728	mitochondrial ribosomal protein S19	20.99	22.16	1.17	1.79
NCU06436	hypothetical protein	18.86	19.99	1.13	1.75
NCU07332	hypothetical protein	16.54	17.64	1.10	1.72
NCU01140	NAD	23.29	24.39	1.10	1.72
NCU06926	hypothetical protein	16.78	17.88	1.10	1.72
NCU02750	PH domain-containing protein	17.39	18.48	1.09	1.71
NCU06346	hypothetical protein	18.07	19.15	1.08	1.71
NCU02906	NAD-dependent malic enzyme 1	22.59	23.66	1.07	1.70
NCU06495	mitochondrial inner membrane organizatio	21.85	22.91	1.06	1.69
NCU01955	autophagocytosis protein Aut1	17.09	18.14	1.05	1.68
NCU00399	cell wall protein PhiA	18.01	19.05	1.04	1.67
NCU08476	hypothetical protein	21.69	22.72	1.03	1.66
NCU08810	mitochondrial import inner membrane translocas	20.59	21.61	1.02	1.65
NCU00641	cytochrome c oxidase-assembly factor cox-16	18.78	19.78	1.00	1.63
NCU07121	modin	18.01	18.96	0.95	1.58
NCU04433	sulfate permease II	18.22	19.14	0.92	1.55
NCU06603	ThiJ/PfpI family protein	17.07	17.96	0.89	1.53
NCU10226	mmf1	22.31	23.18	0.87	1.51
NCU01297	hypothetical protein	18.05	18.92	0.87	1.51
NCU09243	hypothetical protein	16.60	17.46	0.86	1.50
NCU06404	GTP-binding protein	18.57	19.43	0.86	1.50
NCU09308	glycoprotease	20.60	21.45	0.85	1.49
NCU03340	cytochrome-c oxidase chain VIIc	20.77	21.61	0.84	1.48
NCU01306	hypothetical protein	21.83	22.66	0.83	1.47
NCU05778	iron sulfur cluster assembly protein 1	23.50	24.31	0.81	1.45
NCU00734	Ulp1 protease	17.92	18.73	0.81	1.45
NCU09447	NAD	16.56	17.36	0.80	1.44
NCU09255	acetate non-utilizing protein 9	17.74	18.53	0.79	1.43
NCU08418	tripeptidyl-peptidase	17.11	17.90	0.79	1.43
NCU01516	mitochondrial co-chaperone GrpE	24.04	24.80	0.76	1.40
NCU07742	poly	18.99	19.73	0.74	1.38
NCU06780	tRNA	17.34	18.08	0.74	1.38
NCU03749	hydroxyacylglutathione hydrolase	23.28	24.02	0.74	1.38
NCU02423	mitoferrin-1	22.32	23.06	0.74	1.38
NCU01304	mitochondrial mRNA processing protein PET127	22.97	23.69	0.72	1.36
NCU02389	hypothetical protein	17.04	17.71	0.67	1.32
NCU00635	nascent polypeptide-associated complex subuni	19.83	20.50	0.67	1.32
NCU08138	cytochrome C1 heme lyase	22.19	22.85	0.66	1.31
NCU04113	hypothetical protein	17.08	17.73	0.65	1.30
NCU01041	mitochondrial metalloendopeptidase OMA1	20.10	20.73	0.63	1.28
NCU02126	isovaleryl-CoA dehydrogenase	20.51	21.12	0.61	1.26
NCU00137	ssDNA binding protein	24.01	24.61	0.60	1.25
NCU02948	non-anchored cell wall protein 4	23.57	24.16	0.59	1.24
NCU03949	FMN-dependent 2-nitropropane dioxygenase	20.16	20.73	0.57	1.22
NCU04736	plasma membrane calcium-transporting ATPase 3	21.33	21.89	0.56	1.21
NCU09285	zinc-containing alcohol dehydrogenase	24.04	24.59	0.55	1.20
NCU16657	tryptophanyl-tRNA synthetase	22.08	22.62	0.54	1.19
NCU01861	short chain dehydrogenase/reductase famil	19.15	19.69	0.54	1.19
NCU07794	2Fe-2S iron-sulfur cluster bindin	20.82	21.36	0.54	1.19
NCU04137	vacuolar protein sorting-associated protei	18.52	19.06	0.54	1.19
NCU16742	hypothetical protein	23.52	24.05	0.53	1.19
NCU08093	hypothetical protein	20.52	21.05	0.53	1.19
NCU03814	leucyl-tRNA synthetase	24.54	25.06	0.52	1.18
NCU03929	acyl-CoA synthetase	22.45	22.96	0.51	1.17
NCU04764	hypothetical protein	22.31	22.81	0.50	1.16
NCU16385	glutaredoxin domain-containing protein	20.80	21.28	0.48	1.14
NCU09862	ubiquinone biosynthesis methyltransferase coq5	24.18	24.66	0.48	1.14
NCU07298	CAIB/BAIF family enzyme	22.78	23.25	0.47	1.13
NCU06546	hypothetical protein	22.62	23.09	0.47	1.13
NCU16968	cytochrome c mitochondrial import factor	22.27	22.73	0.46	1.12
NCU04064	hypothetical protein	17.56	18.02	0.46	1.12
NCU04313	methionyl-tRNA formyltransferase	20.17	20.63	0.46	1.12
NCU04098	monothiol glutaredoxin-5	23.85	24.31	0.46	1.12
NCU17277	hypothetical protein	19.20	19.65	0.45	1.11
NCU05196	mitochondrial DnaJ chaperone	24.58	25.02	0.44	1.10
NCU02157	COQ4	22.93	23.37	0.44	1.10
NCU09432	SNARE-dependent exocytosis protein	18.14	18.58	0.44	1.10
NCU04600	protein phosphatase 2C isoform gamma	19.41	19.83	0.42	1.08
NCU06246	ATP-dependent RNA helicase mrh-4	24.39	24.80	0.41	1.07
NCU02530	cytochrome c oxidase copper chaperone Cox17	20.29	20.70	0.41	1.07
NCU00232	hypothetical protein	18.40	18.81	0.41	1.07
NCU05279	hypothetical protein	20.90	21.30	0.40	1.06
NCU02480	short-chain dehydrogenase/reductase	18.29	18.68	0.39	1.05

NCU05865	hypothetical protein	19.62	20.00	0.38	1.04
NCU00183	DUF185 domain-containing protein	23.27	23.65	0.38	1.04
NCU06549	pyridoxine 2	17.48	17.85	0.37	1.03
NCU04815	lactoylglutathione lyase	20.49	20.86	0.37	1.03
NCU00293	NADH pyrophosphatase	19.69	20.06	0.37	1.03
NCU12046	gamma-butyrobetaine dioxygenase	24.72	25.08	0.36	1.02
NCU00466	glutamyl-tRNA synthetase	24.72	25.08	0.36	1.02
NCU02887	voltage-gated potassium channel beta-2 subunit	22.75	23.10	0.35	1.02
NCU02630	heat shock protein 78	24.38	24.73	0.35	1.02
NCU05850	rubredoxin-NAD	23.80	24.15	0.35	1.02
NCU07295	mitochondrial import inner membrane translocas	23.35	23.69	0.34	1.01
NCU01328	transketolase	22.93	23.27	0.34	1.01
NCU09826	RNase III domain-containing protein	23.39	23.72	0.33	1.00
NCU09263	anchored cell wall protein 4	20.46	20.78	0.32	0.99
NCU03131	FAD dependent oxidoreductase superfamil	17.74	18.06	0.32	0.99
NCU02273	vacuolar protease A	24.65	24.96	0.31	0.98
NCU05459	mitochondrial AAA ATPase	23.14	23.45	0.31	0.98
NCU04171	50S ribosomal protein L5	24.52	24.83	0.31	0.98
NCU03957	COQ7	22.48	22.79	0.31	0.98
NCU02127	methylcrotonoyl-CoA carboxylase subunit beta	21.07	21.37	0.30	0.97
NCU01428	hydroxysourate hydrolase	16.43	16.73	0.30	0.97
NCU05535	hypothetical protein	18.44	18.74	0.30	0.97
NCU01015	hypothetical protein	19.50	19.79	0.29	0.96
NCU00103	hypothetical protein	24.03	24.32	0.29	0.96
NCU00122	aspartyl aminopeptidase	23.04	23.32	0.28	0.95
NCU03031	succinate dehydrogenase cytochrome b smal	24.11	24.38	0.27	0.94
NCU02946	mitochondrial carrier domain-containing protein	17.61	17.88	0.27	0.94
NCU07802	hypothetical protein	16.85	17.11	0.26	0.93
NCU06721	peptide chain release factor 1	21.35	21.61	0.26	0.93
NCU03816	hypothetical protein	20.73	20.97	0.24	0.91
NCU02973	mitochondrial carrier protein	20.35	20.57	0.22	0.89
NCU00575	glucokinase	20.41	20.62	0.21	0.88
NCU03823	ABC1 protein	23.51	23.72	0.21	0.88
NCU03338	hypothetical protein	23.30	23.50	0.20	0.87
NCU00918	hypothetical protein	16.64	16.84	0.20	0.87
NCU07925	LRP16	19.77	19.96	0.19	0.86
NCU07021	peptide chain release factor 3	24.00	24.19	0.19	0.86
NCU06351	phytase	18.78	18.97	0.19	0.86
NCU01651	hypothetical protein	19.53	19.72	0.19	0.86
NCU06550	pyridoxine 1	22.09	22.26	0.17	0.84
NCU06647	enoyl-CoA hydratase/isomerase	22.28	22.45	0.17	0.84
NCU02128	D-arabinitol dehydrogenase	22.19	22.36	0.17	0.84
NCU02802	mitochondrial ornithine carrier protein	21.69	21.85	0.16	0.84
NCU06017	thiosulfate sulfurtransferase	23.79	23.94	0.15	0.83
NCU04202	nucleoside diphosphate kinase	25.52	25.67	0.15	0.83
NCU05287	50S ribosomal protein L4	23.69	23.84	0.15	0.83
NCU05148	hypothetical protein	18.57	18.72	0.15	0.83
NCU00904	D-lactate dehydrogenase	25.90	26.04	0.14	0.82
NCU06309	hypothetical protein	21.39	21.52	0.13	0.81
NCU05652	hypothetical protein	19.19	19.32	0.13	0.81
NCU03310	prohibitin-2	26.40	26.52	0.12	0.80
NCU00355	catalase-3	20.77	20.89	0.12	0.80
NCU09222	hypothetical protein	21.92	22.04	0.12	0.80
NCU03759	methionine-tRNA synthetase	24.19	24.31	0.12	0.80
NCU01810	hypothetical protein	20.44	20.56	0.12	0.80
NCU08998	4-aminobutyrate aminotransferase	25.84	25.94	0.10	0.78
NCU02267	mitochondrial protein Fmp25	26.03	26.13	0.10	0.78
NCU08410	50S ribosomal protein L24	24.47	24.56	0.09	0.77
NCU06587	hypothetical protein	22.90	22.99	0.09	0.77
NCU02705	F1F0 ATP synthase assembly protein Atp10	24.01	24.10	0.09	0.77
NCU08712	hypothetical protein	18.69	18.77	0.08	0.76
NCU06786	50S ribosomal protein L30	22.91	22.99	0.08	0.76
NCU05225	mitochondrial NADH dehydrogenase	24.32	24.40	0.08	0.76
NCU09596	phytanoyl-CoA dioxygenase	20.36	20.43	0.07	0.75
NCU09057	hypothetical protein	23.97	24.04	0.07	0.75
NCU02095	hypothetical protein	21.97	22.04	0.07	0.75
NCU06698	glycogenin, variant	19.29	19.35	0.06	0.74
NCU06556	thioredoxin II	21.75	21.81	0.06	0.74
NCU07871	hypothetical protein	22.93	22.98	0.05	0.73
NCU06031	mitochondrial peroxiredoxin PRX1	22.09	22.14	0.05	0.73
NCU02193	pyruvate decarboxylase	23.47	23.52	0.05	0.73
NCU01916	mitochondrial carrier protein RIM2	22.16	22.21	0.05	0.73
NCU00823	26S proteasome regulatory subunit RPN11	17.63	17.68	0.05	0.73
NCU08070	meiotically up-regulated 182 protein	19.69	19.74	0.05	0.73

NCU05927	GTP-binding protein GUF1	20.67	20.72	0.05	0.73
NCU03989	ADP-ATP carrier protein	22.16	22.20	0.04	0.72
NCU02499	DNL zinc finger domain-containing protein	21.91	21.95	0.04	0.72
NCU06201	cell wall biogenesis protein Ecm1	20.98	21.01	0.03	0.71
NCU05558	3-ketoacyl-CoA thiolase	24.26	24.28	0.02	0.70
NCU03764	microtubule associated protein	21.72	21.73	0.01	0.69
NCU02634	hypothetical protein	17.42	17.42	0.00	0.68
NCU03817	FMI1 protein	20.29	20.28	-0.01	0.67
NCU02396	mitochondrial FAD-linked sulfhydryl oxidase	20.11	20.10	-0.01	0.67
NCU09266	methylmalonate-semialdehyde dehydrogenase	24.41	24.40	-0.01	0.67
NCU01657	cytochrome-c oxidase assembly protein	22.39	22.38	-0.01	0.67
NCU06371	mitochondrial ATP-dependent RNA helicase Suv3	22.93	22.91	-0.02	0.67
NCU06308	DNA-directed RNA polymerase	22.61	22.58	-0.03	0.66
NCU03372	nonspecific lipid-transfer protein	21.62	21.59	-0.03	0.66
NCU03231	mitochondrial chaperone BCS1	23.18	23.15	-0.03	0.66
NCU08126	D-lactate dehydrogenase	18.66	18.62	-0.04	0.65
NCU04292	branched-chain-amino-acid aminotransferase	16.78	16.74	-0.04	0.65
NCU02481	mitochondrial 2-methylisocitrate lyase	25.22	25.17	-0.05	0.64
NCU06543	acyl-CoA dehydrogenase	23.73	23.68	-0.05	0.64
NCU00923	topogenesis of outer membrane beta barre	21.55	21.50	-0.05	0.64
NCU00278	hypothetical protein	23.52	23.47	-0.05	0.64
NCU09091	mitochondrial inner membrane magnesi	21.40	21.33	-0.07	0.62
NCU09058	enoyl-CoA hydratase	25.48	25.41	-0.07	0.62
NCU08005	NADPH-adrenodoxin reductase Arh1	24.53	24.46	-0.07	0.62
NCU09132	alpha tubulin	20.31	20.23	-0.08	0.61
NCU05601	cytochrome c heme lyase	24.70	24.62	-0.08	0.61
NCU00936	succinate semialdehyde dehydrogenase	25.37	25.29	-0.08	0.61
NCU06778	OXA-2	22.05	21.96	-0.09	0.60
NCU02002	hypothetical protein	23.46	23.37	-0.09	0.60
NCU08992	hypothetical protein	20.82	20.72	-0.10	0.59
NCU01568	hypothetical protein	19.48	19.38	-0.10	0.59
NCU08909	beta-1,3-glucanosyltransferase	23.67	23.56	-0.11	0.58
NCU05772	TOM6	21.35	21.24	-0.11	0.58
NCU09025	glutamyl-tRNA	22.42	22.30	-0.12	0.57
NCU01553	para-hydroxybenzoate-polyprenyltransferase Coq2	19.70	19.56	-0.14	0.55
NCU00952	mitochondrial ribosomal protein L44	23.44	23.30	-0.14	0.55
NCU09754	mitochondrial chaperone Frataxin	24.20	24.05	-0.15	0.54
NCU07423	hypothetical protein	22.97	22.82	-0.15	0.54
NCU06536	hypothetical protein	25.08	24.93	-0.15	0.54
NCU04809	MFS phospholipid transporter	16.63	16.48	-0.15	0.54
NCU02224	26S proteasome non-ATPase regulatory subunit 3	19.32	19.17	-0.15	0.54
NCU05805	serine hydroxymethyltransferase	25.76	25.61	-0.15	0.54
NCU04578	ATP-dependent Clp protease proteolytic subuni	22.37	22.22	-0.15	0.54
NCU08791	catalase-1	20.86	20.70	-0.16	0.53
NCU04008	mitochondrial ATPase	20.04	19.88	-0.16	0.53
NCU03908	fmp-52	23.10	22.94	-0.16	0.53
NCU02108	BolA domain-containing protein	18.94	18.78	-0.16	0.53
NCU00584	hypothetical protein	23.05	22.89	-0.16	0.53
NCU00486	hypothetical protein	19.14	18.98	-0.16	0.53
NCU08416	DUF1674 domain-containing protein	16.43	16.26	-0.17	0.52
NCU01175	farnesyl-pyrophosphate synthetase	20.15	19.98	-0.17	0.52
NCU05828	hypothetical protein	22.75	22.58	-0.17	0.52
NCU04577	hypothetical protein	20.55	20.38	-0.17	0.52
NCU01767	phosphatase 2C family protein	25.21	25.04	-0.17	0.52
NCU01512	phenylalanyl-tRNA synthetase	23.48	23.31	-0.17	0.52
NCU06103	Mito Translation initiation factor	23.40	23.22	-0.18	0.51
NCU01479	matrix AAA protease MAP-1	26.66	26.48	-0.18	0.51
NCU01343	TPR repeat protein	22.93	22.75	-0.18	0.51
NCU00395	mRNA processing protein	24.29	24.11	-0.18	0.51
NCU00030	mitochondrial nuclease	24.27	24.09	-0.18	0.51
NCU07793	hypothetical protein	23.81	23.62	-0.19	0.50
NCU05517	mitochondrial genome maintenance protein MGM101	24.08	23.89	-0.19	0.50
NCU04212	hypothetical protein	24.33	24.14	-0.19	0.50
NCU06270	mitochondrial-processing peptidase subuni	25.52	25.33	-0.19	0.50
NCU05302	GTP-binding protein Obg	22.18	21.99	-0.19	0.50
NCU02846	hypothetical protein	19.84	19.65	-0.19	0.50
NCU10987	MFS transporter Fmp42	18.95	18.75	-0.20	0.50
NCU07670	CYT-19 DEAD-box protein	26.37	26.17	-0.20	0.50
NCU06331	hypothetical protein	16.83	16.63	-0.20	0.50
NCU00977	aconitate hydratase	23.82	23.62	-0.20	0.50
NCU00608	AMP-binding enzyme	19.92	19.72	-0.20	0.50
NCU02123	mitochondrial GTPase	21.31	21.10	-0.21	0.49
NCU00831	extracellular serine carboxypeptidase, variant	23.24	23.03	-0.21	0.49
NCU09560	superoxide dismutase	25.02	24.81	-0.21	0.49

NCU03030	tyrosyl-tRNA synthetase	24.28	24.07	-0.21	0.49
NCU00599	mito ribosomal protein S22	24.07	23.86	-0.21	0.49
NCU08278	mitochondrial carrier protein	20.32	20.10	-0.22	0.48
NCU05288	rab GDP-dissociation inhibitor	21.58	21.36	-0.22	0.48
NCU04287	hypothetical protein	23.07	22.85	-0.22	0.48
NCU06069	hypothetical protein	21.17	20.94	-0.23	0.47
NCU03357	ubiquitin conjugation factor E4, variant	16.00	15.77	-0.23	0.47
NCU03094	hypothetical protein	23.25	23.02	-0.23	0.47
NCU02136	transaldolase	23.36	23.13	-0.23	0.47
NCU02063	mitochondrial intermediate peptidase	23.53	23.30	-0.23	0.47
NCU05813	mitochondrial large ribosomal subunit	24.16	23.92	-0.24	0.46
NCU00565	lipoic acid synthetase	22.81	22.57	-0.24	0.46
NCU01272	mitochondrial presequence protease	27.57	27.33	-0.24	0.46
NCU00498	molybdenum cofactor biosynthesis protein 1 B	21.46	21.22	-0.24	0.46
NCU09599	hypothetical protein	21.97	21.72	-0.25	0.45
NCU05686	cell wall glucanase	18.31	18.06	-0.25	0.45
NCU09602	heat shock protein 70	24.15	23.89	-0.26	0.44
NCU09594	seryl-tRNA synthetase	24.08	23.82	-0.26	0.44
NCU04370	ubiquitin-activating enzyme E1 1	20.07	19.81	-0.26	0.44
NCU09693	hypothetical protein	17.84	17.57	-0.27	0.43
NCU06424	aminomethyl transferase	23.44	23.17	-0.27	0.43
NCU04509	HIT domain-containing protein	20.55	20.28	-0.27	0.43
NCU00694	hypothetical protein	16.10	15.83	-0.27	0.43
NCU07858	DUF498 domain-containing protein	22.20	21.92	-0.28	0.42
NCU08692		20.59	20.31	-0.28	0.42
NCU07465	mitochondrial phosphate carrier protein 2	26.00	25.72	-0.28	0.42
NCU03347	kynurenine-oxoglutarate transaminase 1	22.78	22.50	-0.28	0.42
NCU01006	complex I intermediate-associated protein CIA84	24.73	24.45	-0.28	0.42
NCU00726	peptidyl-prolyl cis-trans isomerase	27.00	26.72	-0.28	0.42
NCU06403	hypothetical protein	24.63	24.34	-0.29	0.41
NCU06391	hypothetical protein	21.59	21.30	-0.29	0.41
NCU05971	xaa-Pro dipeptidase	23.27	22.98	-0.29	0.41
NCU03394	ribosomal protein S15	24.08	23.79	-0.29	0.41
NCU02955	elongation factor G 1	25.62	25.33	-0.29	0.41
NCU07682	acetylglutamate synthase	23.73	23.43	-0.30	0.40
NCU05363	26S protease regulatory subunit 8	18.02	17.72	-0.30	0.40
NCU02960	peroxisomal targeting signal receptor	19.00	18.69	-0.31	0.39
NCU07578	peroxisomal adenine nucleotide transporter 1	18.31	17.99	-0.32	0.38
NCU01985	sulfate adenyllyltransferase	21.96	21.64	-0.32	0.38
NCU01469	hypothetical protein	23.09	22.77	-0.32	0.38
NCU01007	mito ribosomal protein S18	23.67	23.34	-0.33	0.37
NCU05261	ATP-dependent protease La	26.49	26.14	-0.35	0.35
NCU02305	decaprenyl-diphosphate synthase subunit 1	23.62	23.27	-0.35	0.35
NCU02044	GTP-binding protein	23.35	23.00	-0.35	0.35
NCU01104	ATP-dependent RNA helicase MSS116	20.34	19.99	-0.35	0.35
NCU06914	histidyl-tRNA synthetase	22.59	22.23	-0.36	0.34
NCU06086	regulatory protein suaprga1	24.34	23.98	-0.36	0.34
NCU07468	NAD dependent epimerase/dehydratase	18.17	17.81	-0.36	0.34
NCU03925	toxin biosynthesis protein	23.54	23.17	-0.37	0.33
NCU08941	calcium-binding mitochondrial carrier protei	21.82	21.45	-0.37	0.33
NCU08048	NAD dehydrogenase	23.95	23.58	-0.37	0.33
NCU07904	short chain dehydrogenase/reductase	23.70	23.33	-0.37	0.33
NCU08002	carnitine acetyl transferase	27.14	26.76	-0.38	0.32
NCU07386	Fe superoxide dismutase	24.43	24.05	-0.38	0.32
NCU03020	ldgA domain-containing protein	23.98	23.60	-0.38	0.32
NCU02287	acyl-CoA dehydrogenase	24.90	24.52	-0.38	0.32
NCU07478	mitochondrial carrier protein	20.21	19.83	-0.38	0.32
NCU05419	hydroxymethylglutaryl-CoA lyase	24.22	23.83	-0.39	0.32
NCU03667	hypothetical protein	16.92	16.53	-0.39	0.32
NCU02566	alanyl-tRNA synthetase	22.88	22.49	-0.39	0.32
NCU08382	peroxisomal half ABC transporter	22.68	22.28	-0.40	0.31
NCU06448	enoyl-CoA hydratase	25.84	25.44	-0.40	0.31
NCU02943	mitochondrial import inner membrane translocas	25.77	25.37	-0.40	0.31
NCU05982	hexaprenyldihydroxybenzoate methyltransferase	22.76	22.36	-0.40	0.31
NCU04910	hypothetical protein	18.44	18.04	-0.40	0.31
NCU06632	outer mitochondrial membrane translocase 20	25.09	24.68	-0.41	0.30
NCU01258	cyanase, variant	19.84	19.43	-0.41	0.30
NCU00549	glutathione transferase omega-1	17.64	17.23	-0.41	0.30
NCU09450	26S proteasome regulatory subunit rpn2	19.31	18.89	-0.42	0.29
NCU05714	50S ribosomal subunit protein L15	24.36	23.94	-0.42	0.29
NCU00655	mitochondrial enoyl reductase	26.02	25.60	-0.42	0.29
NCU08893	60S ribosomal protein L1	24.51	24.09	-0.42	0.29
NCU07473	glycosyltransferase family 28 domain-contains	17.10	16.68	-0.42	0.29
NCU05488	RNA-binding protein Vip1	21.94	21.52	-0.42	0.29

NCU04068	60S ribosomal protein L6	23.80	23.38	-0.42	0.29
NCU08004	electron transfer flavoprotein alpha-subunit	26.14	25.71	-0.43	0.28
NCU04429	mitochondrial import protein mmp37	24.28	23.85	-0.43	0.28
NCU03796	pyruvate dehydrogenase kinase	23.04	22.60	-0.44	0.27
NCU02291	glutaryl-CoA dehydrogenase	24.58	24.14	-0.44	0.27
NCU07263	carnitine/acyl carnitine carrier	23.71	23.27	-0.44	0.27
NCU03125	NIMA-interacting protein TinC	20.07	19.63	-0.44	0.27
NCU16821	hypothetical protein	22.37	21.92	-0.45	0.26
NCU04554	endochitinase 1	18.58	18.13	-0.45	0.26
NCU04452	12-oxophytodienoate reductase 1	18.48	18.03	-0.45	0.26
NCU04388	phosphatidylglycerol/phosphatidylinosito	21.71	21.26	-0.45	0.26
NCU03008	hypothetical protein	20.82	20.37	-0.45	0.26
NCU07020	vacuolar protein sorting-associated protei	19.44	18.99	-0.45	0.26
NCU09553	3-hydroxybutyryl CoA dehydrogenase	24.24	23.78	-0.46	0.25
NCU07853	uricase	19.56	19.10	-0.46	0.25
NCU00211	mitochondrial ribosomal protein subunit L31	23.24	22.78	-0.46	0.25
NCU07153	glutamate carboxypeptidase	22.57	22.11	-0.46	0.25
NCU03525	3-oxoacyl-[acyl-carrier-protein]-reductase	23.03	22.57	-0.46	0.25
NCU02807	hypothetical protein	25.12	24.66	-0.46	0.25
NCU01474	60S ribosomal protein L4, variant	24.18	23.72	-0.46	0.25
NCU00537	hypothetical protein	17.11	16.65	-0.46	0.25
NCU10732	mitochondrial dicarboxylate transporter	23.88	23.41	-0.47	0.24
NCU07947	glycolipid transfer protein HET-C2	20.88	20.41	-0.47	0.24
NCU04354	DEAD box family helicase	20.82	20.35	-0.47	0.24
NCU02734	citrate lyase beta subunit	24.19	23.72	-0.47	0.24
NCU09331	HMF1	18.70	18.22	-0.48	0.23
NCU01218	hypothetical protein	24.10	23.62	-0.48	0.23
NCU00562	hypothetical protein	23.38	22.89	-0.49	0.22
NCU03637	CaaX prenyl protease Ste24	24.26	23.77	-0.49	0.22
NCU08991	sulfur control-3 protein, variant	19.08	18.58	-0.50	0.21
NCU07550	triosephosphate isomerase	23.34	22.84	-0.50	0.21
NCU04015	vacuolar protein sorting-associated protein 27	20.27	19.77	-0.50	0.21
NCU03516	mitochondrial ribosomal protein subunit L32	21.45	20.95	-0.50	0.21
NCU02773	hypothetical protein	16.74	16.24	-0.50	0.21
NCU08352	thioredoxin-disulfide reductase	21.47	20.96	-0.51	0.20
NCU03156	NUO	24.11	23.60	-0.51	0.20
NCU02366	aconitase	29.43	28.92	-0.51	0.20
NCU02155	hypothetical protein	19.68	19.17	-0.51	0.20
NCU09403	NmrA family protein	22.59	22.08	-0.51	0.20
NCU09327	protein phosphatase	23.67	23.16	-0.51	0.20
NCU03006	sterol 24-C-methyltransferase	22.94	22.43	-0.51	0.20
NCU08312	Sec1 family superfamily protein	17.18	16.66	-0.52	0.19
NCU03979	biotin synthase	25.48	24.96	-0.52	0.19
NCU02954	homoisocitrate dehydrogenase	27.06	26.54	-0.52	0.19
NCU02548	hypothetical protein	19.95	19.43	-0.52	0.19
NCU00075	mitochondrial import inner membrane translocas	20.26	19.74	-0.52	0.19
NCU10021	MFS monosaccharide transporter	22.08	21.55	-0.53	0.18
NCU03217	MRS7 family protein	24.40	23.87	-0.53	0.18
NCU08936	clock-controlled gene-15, variant	25.20	24.66	-0.54	0.17
NCU05202	hypothetical protein	22.98	22.44	-0.54	0.17
NCU01023	50S ribosomal protein L17	24.26	23.72	-0.54	0.17
NCU08195	arginyl-tRNA synthetase	23.33	22.78	-0.55	0.16
NCU00484	NADH:ubiquinone oxidoreductase 18.4kD subunit	24.49	23.94	-0.55	0.16
NCU06732	leukotriene A-4 hydrolase	22.00	21.45	-0.55	0.16
NCU04334	chaperonin	25.89	25.34	-0.55	0.16
NCU03276	bem46 family protein, variant	20.50	19.95	-0.55	0.16
NCU00725	epsin-3	17.57	17.02	-0.55	0.16
NCU00371	mitochondrial import inner membrane translocas	23.34	22.79	-0.55	0.16
NCU09309	proteasome component PRE2	18.77	18.21	-0.56	0.15
NCU00660	glutamyl-tRNA amidotransferase	22.38	21.82	-0.56	0.15
NCU08946	hypothetical protein	26.46	25.90	-0.56	0.15
NCU02701	dipeptidyl peptidase	23.14	22.58	-0.56	0.15
NCU00958	5-azacytidine resistance protein azr1	23.01	22.45	-0.56	0.15
NCU00153	pyridine nucleotide-disulfide oxidoreductase	24.10	23.54	-0.56	0.15
NCU08291	ferrochelatase	26.40	25.83	-0.57	0.15
NCU04149	mitochondrial GTPase	19.93	19.36	-0.57	0.15
NCU06832	kinesin	20.02	19.44	-0.58	0.14
NCU06247	hypothetical protein	25.86	25.28	-0.58	0.14
NCU09517	hypothetical protein	23.55	22.97	-0.58	0.14
NCU07267	bli-3	20.78	20.20	-0.58	0.14
NCU03173	HAD superfamily hydrolase	24.17	23.59	-0.58	0.14
NCU03992	fimbrin	20.50	19.91	-0.59	0.13
NCU00405	glycyl-tRNA synthetase 1	23.22	22.63	-0.59	0.13
NCU08296	mito ribosomal protein S4	25.06	24.46	-0.60	0.12

NCU01894	hypothetical protein	24.61	24.01	-0.60	0.12
NCU05642	cysteinyl-tRNA synthetase	22.51	21.91	-0.60	0.12
NCU08477	small GTP-binding protein	24.49	23.88	-0.61	0.11
NCU08145	coenzyme A transferase	21.97	21.36	-0.61	0.11
NCU06559	3-hydroxyisobutyrate dehydrogenase	18.81	18.20	-0.61	0.11
NCU03359	intermembrane space AAA protease IAP-1	24.89	24.28	-0.61	0.11
NCU02153	hypothetical protein	18.13	17.52	-0.61	0.11
NCU02070	peroxisomal biogenesis factor 2	21.81	21.20	-0.61	0.11
NCU00378	aldehyde dehydrogenase	22.72	22.11	-0.61	0.11
NCU04588	hypothetical protein	22.65	22.03	-0.62	0.10
NCU16833	hypothetical protein	23.77	23.15	-0.62	0.10
NCU03893	short-chain dehydrogenase/reductase SDR	26.57	25.95	-0.62	0.10
NCU03737	elongation factor Tu	26.95	26.33	-0.62	0.10
NCU02403	ubiquinone biosynthesis protein COQ9	22.39	21.77	-0.62	0.10
NCU01564	calcium dependent mitochondrial carrier protein	22.80	22.18	-0.62	0.10
NCU05623	mitochondrial inner membrane translocase subunit	22.52	21.89	-0.63	0.09
NCU04817	electron transfer protein 1	24.77	24.14	-0.63	0.09
NCU04100	vacuolar sorting protein 1	23.74	23.11	-0.63	0.09
NCU00951	inorganic pyrophosphatase	25.08	24.45	-0.63	0.09
NCU07824	MDM10	20.19	19.56	-0.63	0.09
NCU00056	3-oxoacyl-[acyl-carrier-protein]-synthase	20.01	19.38	-0.63	0.09
NCU05427	ATP-dependent Clp protease, variant	22.08	21.44	-0.64	0.08
NCU08707	iron sulfur assembly protein	22.16	21.52	-0.64	0.08
NCU07608	ribose 5-phosphate isomerase A, variant	21.80	21.16	-0.64	0.08
NCU09366	proteasome component C5	18.16	17.51	-0.65	0.07
NCU07955	mitochondrion biogenesis protein	19.90	19.25	-0.65	0.07
NCU06307	multisynthetase complex auxiliary component p43	23.44	22.79	-0.65	0.07
NCU00360	NAD dependent epimerase/dehydratase	24.35	23.70	-0.65	0.07
NCU10225	hypothetical protein	21.78	21.12	-0.66	0.06
NCU05270		20.20	19.54	-0.66	0.06
NCU04225	60S ribosomal protein L20	24.54	23.88	-0.66	0.06
NCU00582	cytochrome DASH	17.95	17.29	-0.66	0.06
NCU00264	hypothetical protein	22.75	22.09	-0.66	0.06
NCU06518	NADH-cytochrome b5 reductase 2	23.64	22.97	-0.67	0.05
NCU03922	hydroxymethylglutaryl-CoA synthase	19.28	18.61	-0.67	0.05
NCU01962	encodes anonymous transcript-5 protein, variant	24.28	23.61	-0.67	0.05
NCU00895	RAB GTPase Ypt5	24.37	23.70	-0.67	0.05
NCU00775	isocitrate dehydrogenase subunit 1	27.57	26.89	-0.68	0.04
NCU06244	mitochondrial import inner membrane translocase	20.38	19.69	-0.69	0.03
NCU09732	acetyl-CoA acetyltransferase	25.50	24.81	-0.69	0.03
NCU08166	hypothetical protein	18.85	18.16	-0.69	0.03
NCU02580	fumarate reductase Osm1	27.75	27.06	-0.69	0.03
NCU07286	membrane-associated progesterone receptor	22.74	22.04	-0.70	0.02
NCU03199	ATP synthase subunit H	26.37	25.67	-0.70	0.02
NCU01102	mitochondrial export translocase Oxa1	24.56	23.86	-0.70	0.02
NCU00959	succinate dehydrogenase iron-sulfur protein	27.27	26.57	-0.70	0.02
NCU00591	methylcrotonoyl-CoA carboxylase subunit alpha	21.97	21.27	-0.70	0.02
NCU03777	mitochondrial 3-hydroxyisobutyryl-CoA hydrolase	26.51	25.81	-0.70	0.02
NCU08877	glycine cleavage system H protein	25.98	25.27	-0.71	0.01
NCU05515	mitochondrial import inner membrane translocase	23.94	23.23	-0.71	0.01
NCU03155	hypothetical protein	24.60	23.89	-0.71	0.01
NCU01141	CDP-diacylglycerol-glycerol-3-phosphat	21.46	20.75	-0.71	0.01
NCU00673	serine protease p2	25.36	24.65	-0.71	0.01
NCU03229	mitochondrial inner membrane translocase subunit	25.85	25.13	-0.72	0.00
NCU01800	37S ribosomal protein S5	25.53	24.81	-0.72	0.00
NCU07552	hypothetical protein	22.33	21.60	-0.73	-0.01
NCU07724	mitochondrial division protein 1	23.66	22.93	-0.73	-0.01
NCU06880	AhpC/TSA family protein	25.60	24.87	-0.73	-0.01
NCU05552	hypothetical protein	24.96	24.23	-0.73	-0.01
NCU04945	mitochondrial intermembrane space protein Mia40	25.89	25.16	-0.73	-0.01
NCU09688	AP-1 complex subunit mu	19.06	18.32	-0.74	-0.02
NCU09017	hypothetical protein	19.18	18.44	-0.74	-0.02
NCU02804	mitochondrial 60S ribosomal protein L25	24.86	24.12	-0.74	-0.02
NCU03739	protein disulfide-isomerase tlgA	23.94	23.20	-0.74	-0.02
NCU03158	alpha/beta hydrolase	22.57	21.83	-0.74	-0.02
NCU09129	hypothetical protein	18.06	17.31	-0.75	-0.02
NCU05541	hypothetical protein	21.74	20.99	-0.75	-0.02
NCU00644	ATP synthase subunit G	26.18	25.43	-0.75	-0.02
NCU03177	sco1	24.11	23.35	-0.76	-0.03
NCU01808	cytochrome c	26.40	25.64	-0.76	-0.03
NCU09598	mitochondrial escape protein 2	25.73	24.97	-0.76	-0.03
NCU08661	pantoate-beta-alanine ligase	21.75	20.99	-0.76	-0.03
NCU08299	60S ribosomal protein L3	24.84	24.08	-0.76	-0.03
NCU03947	ubiquitin ligase	21.60	20.84	-0.76	-0.03



NCU01169	NADH:ubiquinone oxidoreductase 24	26.26	25.50	-0.76	-0.03
NCU09347	fructose-2,6-bisphosphatase	18.78	18.01	-0.77	-0.04
NCU06211	malate dehydrogenase, variant	26.88	26.11	-0.77	-0.04
NCU03857	tricarboxylic acid-5 protein, variant 2	26.97	26.20	-0.77	-0.04
NCU03211	hypothetical protein	24.06	23.29	-0.77	-0.04
NCU01667	ornithine carbamoyltransferase	25.96	25.19	-0.77	-0.04
NCU05248	hypothetical protein	24.63	23.85	-0.78	-0.05
NCU01514	mitochondrial dicarboxylate carrier	20.97	20.19	-0.78	-0.05
NCU07733	electron transfer flavoprotein beta-subunit	26.67	25.89	-0.78	-0.05
NCU04336	60S ribosomal protein L19	25.52	24.74	-0.78	-0.05
NCU03695	phosphatidylserine decarboxylase proenzyme 1	24.21	23.43	-0.78	-0.05
NCU03297	cytochrome c peroxidase	27.85	27.07	-0.78	-0.05
NCU03004	pyruvate dehydrogenase E1 component	27.00	26.22	-0.78	-0.05
NCU05313	mitochondria fission 1 protein	23.59	22.80	-0.79	-0.06
NCU07852	ribosomal protein L13	23.92	23.13	-0.79	-0.06
NCU07493	hypothetical protein	25.74	24.94	-0.80	-0.07
NCU08552	50S ribosomal protein L14	22.80	22.00	-0.80	-0.07
NCU06452	cysteine synthase	26.37	25.57	-0.80	-0.07
NCU03296	F1 ATPase assembly protein 11	22.96	22.16	-0.80	-0.07
NCU02959	hypothetical protein	25.92	25.12	-0.80	-0.07
NCU01975	complex I intermediate-associated protein CIA30	23.42	22.62	-0.80	-0.07
NCU01255	mitochondrial dynamin GTPase	25.11	24.31	-0.80	-0.07
NCU10042	enolase, variant	25.49	24.68	-0.81	-0.08
NCU10028	bax Inhibitor family protein	22.13	21.32	-0.81	-0.08
NCU06760	pyruvate dehydrogenase kinase	25.83	25.02	-0.81	-0.08
NCU03888	DUF500 and SH3 domain-containing protein	19.87	19.06	-0.81	-0.08
NCU01545	autophagy protein 8	20.24	19.42	-0.82	-0.09
NCU09877	hypothetical protein	20.96	20.14	-0.82	-0.09
NCU04768	electron transfer flavoprotein-ubiquinon	26.42	25.60	-0.82	-0.09
NCU00680	2-methylcitrate dehydratase	26.67	25.85	-0.82	-0.09
NCU00676	F1-ATP synthase assembly protein	24.23	23.41	-0.82	-0.09
NCU00051	hypothetical protein	24.36	23.54	-0.82	-0.09
NCU00477	carboxypeptidase Y	23.79	22.96	-0.83	-0.10
NCU08356	acetamidase	23.91	23.08	-0.83	-0.10
NCU08336	succinate dehydrogenase flavoprotein subunit	28.51	27.68	-0.83	-0.10
NCU08471	succinyl-CoA ligase beta-chain	28.07	27.23	-0.84	-0.11
NCU08329	mitochondrial ribosomal protein subunit L23	24.00	23.16	-0.84	-0.11
NCU07310	hypothetical protein	20.24	19.40	-0.84	-0.11
NCU01546	coproporphyrinogen III oxidase	23.95	23.11	-0.84	-0.11
NCU01010	hypothetical protein	15.92	15.08	-0.84	-0.11
NCU00136	Mito Translational Optimization	21.63	20.79	-0.84	-0.11
NCU06451	hypothetical protein	25.29	24.44	-0.85	-0.12
NCU04410	tRNA ligase	18.61	17.76	-0.85	-0.12
NCU00905	N-acyl ethanolamine amidohydrolase	22.65	21.80	-0.85	-0.12
NCU04806	hypothetical protein	24.14	23.29	-0.85	-0.12
NCU04502	hypothetical protein	23.21	22.36	-0.85	-0.12
NCU03188	sugar 1,4-lactone oxidase	24.76	23.91	-0.85	-0.12
NCU08053	hypothetical protein	18.43	17.57	-0.86	-0.13
NCU06958	mito ribosomal protein S21	21.56	20.70	-0.86	-0.13
NCU04753	NADH:ubiquinone oxidoreductase 11.6kD subunit	23.36	22.50	-0.86	-0.13
NCU06749	60S ribosomal protein L3	26.06	25.19	-0.87	-0.14
NCU09534	peroxiredoxin HYR1	19.21	18.34	-0.87	-0.14
NCU01965	valyl-tRNA synthetase	23.39	22.52	-0.87	-0.14
NCU00896	synaptojanin-1	21.91	21.04	-0.87	-0.14
NCU00828	peroxisomal membrane protein	20.67	19.80	-0.87	-0.14
NCU06038	ribosomal protein L36	19.65	18.77	-0.88	-0.15
NCU04415	hypothetical protein	22.59	21.71	-0.88	-0.15
NCU02438	dihydrolipoamide succinyltransferase	27.07	26.19	-0.88	-0.15
NCU01589	heat shock protein 60	28.36	27.48	-0.88	-0.15
NCU08693	hsp70-like protein	29.27	28.38	-0.89	-0.16
NCU07697	isocitrate dehydrogenase subunit 2	27.60	26.71	-0.89	-0.16
NCU04074	NADH:ubiquinone oxidoreductase 30.4 kDa subunit	26.38	25.49	-0.89	-0.16
NCU02757	60S ribosomal protein L2	24.45	23.56	-0.89	-0.16
NCU02534	NADH:ubiquinone oxidoreductase 49kD subunit	26.64	25.75	-0.89	-0.16
NCU01213	superoxide dismutase	18.85	17.96	-0.89	-0.16
NCU09770	acetyl-coa hydrolase	26.61	25.71	-0.90	-0.17
NCU07549	mitochondrial ribosomal protein L43	23.64	22.74	-0.90	-0.17
NCU04181	TOM7, variant 2	22.12	21.22	-0.90	-0.17
NCU01227	succinyl-CoA ligase alpha-chain	27.14	26.24	-0.90	-0.17
NCU07941	aspartate aminotransferase	23.03	22.12	-0.91	-0.18
NCU06761	sphingosine-1-phosphate lyase	25.98	25.07	-0.91	-0.18
NCU04803	2-nitropropane dioxygenase famil	24.62	23.71	-0.91	-0.18
NCU02639	argininosuccinate synthase, variant	21.89	20.98	-0.91	-0.18
NCU01219	glutaredoxin	21.20	20.29	-0.91	-0.18

NCU00316	peroxisomal adenine nucleotide transporter 1	21.91	21.00	-0.91	-0.18
NCU06469	54S ribosomal protein L12	23.59	22.67	-0.92	-0.19
NCU03216	adenylate kinase	21.98	21.06	-0.92	-0.19
NCU02690	mitochondrial integral membrane protein	22.82	21.90	-0.92	-0.19
NCU07362	L-lactate ferri-cytochrome c oxidoreductase	23.75	22.82	-0.93	-0.20
NCU06441	D-lactate dehydrogenase 2	26.99	26.06	-0.93	-0.20
NCU03926	37S ribosomal protein Rsm24	25.89	24.96	-0.93	-0.20
NCU00385	ATP synthase subunit delta	24.81	23.87	-0.94	-0.20
NCU09810	succinyl-CoA synthetase subunit alpha	24.52	23.58	-0.94	-0.20
NCU09551	MFS multidrug transporter	19.46	18.52	-0.94	-0.20
NCU09108	hypothetical protein	19.27	18.33	-0.94	-0.20
NCU04380	acyl-CoA synthetase	25.71	24.77	-0.94	-0.20
NCU03653	hypothetical protein	24.89	23.95	-0.94	-0.20
NCU00737	presequence translocated-associated moto	23.00	22.06	-0.94	-0.20
NCU07057	hypothetical protein	22.93	21.98	-0.95	-0.21
NCU04379	neuronal calcium sensor 1	19.29	18.34	-0.95	-0.21
NCU09741	NADPH-cytochrome P450 reductase	23.17	22.22	-0.95	-0.21
NCU02549	ubiquinol-cytochrome-c reductase subunit beta	28.47	27.51	-0.96	-0.22
NCU16791	mitochondrial inner membrane protease subunit 2	19.36	18.40	-0.96	-0.22
NCU05400	hypothetical protein	18.45	17.49	-0.96	-0.22
NCU03882	hypothetical protein	20.66	19.70	-0.96	-0.22
NCU11311	small zinc finger protein Tim8	22.27	21.30	-0.97	-0.23
NCU08898	homoaconitase	26.74	25.77	-0.97	-0.23
NCU01473	mitochondrial large ribosomal subunit YmL35	25.64	24.67	-0.97	-0.23
NCU07659	pyruvate dehydrogenase complex	28.20	27.22	-0.98	-0.24
NCU05029	iron-sulfur clusters transporter atm-1	23.52	22.54	-0.98	-0.24
NCU09999	hypothetical protein	24.86	23.87	-0.99	-0.25
NCU03339	glutathione reductase	24.71	23.72	-0.99	-0.25
NCU10020	methionine synthase	17.50	16.50	-1.00	-0.26
NCU09885	acyl-CoA dehydrogenase	21.00	20.00	-1.00	-0.26
NCU07253	1,3-beta-glucanotransferase gel1	21.47	20.47	-1.00	-0.26
NCU04180	mitochondrial folate carrier protein Flx1	20.21	19.21	-1.00	-0.26
NCU07982	acetolactate synthase	26.81	25.80	-1.01	-0.27
NCU09886	hypothetical protein	24.62	23.61	-1.01	-0.27
NCU08861	hypothetical protein	25.28	24.26	-1.02	-0.28
NCU03116	Ras GTPase activating protein	16.26	15.24	-1.02	-0.28
NCU02585	aspartyl-tRNA synthetase	25.01	23.99	-1.02	-0.28
NCU02337	mitochondrial carrier protein	18.76	17.74	-1.02	-0.28
NCU05075	mitochondrial tricarboxylate transporter	23.92	22.89	-1.03	-0.29
NCU06482	pyruvate dehydrogenase E1 component alph	27.93	26.89	-1.04	-0.30
NCU05593	mitochondrial outer membrane beta-barrel protei	25.12	24.07	-1.05	-0.31
NCU04837	mitochondrial 2-oxodicarboxylate carrier 1	22.66	21.61	-1.05	-0.31
NCU08146	hypothetical protein	25.11	24.05	-1.06	-0.32
NCU07280	serine/threonine-protein kinase gad8	21.31	20.25	-1.06	-0.32
NCU05425	2-oxoglutarate dehydrogenase E1 component	28.27	27.21	-1.06	-0.32
NCU04280	aconitate hydratase	26.16	25.10	-1.06	-0.32
NCU02727	glycine cleavage system T protein	26.50	25.44	-1.06	-0.32
NCU06643	oleate-induced peroxisomal protein	23.58	22.51	-1.07	-0.33
NCU06881	succinyl-CoA:3-ketoacid-coenzyme A transferas	25.04	23.97	-1.07	-0.33
NCU02812	uridylate kinase	25.36	24.29	-1.07	-0.33
NCU02545	hypothetical protein	24.93	23.85	-1.08	-0.34
NCU02504	DUF1640 domain-containing protein	22.56	21.48	-1.08	-0.34
NCU01454	mitochondrial hydrolase	23.81	22.73	-1.08	-0.34
NCU09228	aminopeptidase 2	25.64	24.55	-1.09	-0.35
NCU04566	protein kinase SNF1	17.79	16.70	-1.09	-0.35
NCU04013	aldehyde dehydrogenase	25.65	24.56	-1.09	-0.35
NCU02451	mitochondrial hypoxia responsiv	24.22	23.13	-1.09	-0.35
NCU06666	inositol-3-phosphate synthase	22.56	21.46	-1.10	-0.36
NCU10008	fumarate hydratase	26.23	25.13	-1.10	-0.36
NCU07414	DnaJ family protein	21.46	20.36	-1.10	-0.36
NCU05430	ATP synthase beta subunit	30.08	28.97	-1.11	-0.37
NCU03753	clock controlled protein CCG-1	19.48	18.37	-1.11	-0.37
NCU05008	acp-1	25.63	24.51	-1.12	-0.37
NCU09903	elongation factor 3	17.26	16.14	-1.12	-0.37
NCU07560	50S ribosomal subunit L30	24.51	23.39	-1.12	-0.37
NCU08924	acyl-CoA dehydrogenase	24.78	23.65	-1.13	-0.38
NCU09537	rho-GTPase-activating protein 8	19.85	18.71	-1.14	-0.39
NCU05838	hypothetical protein	20.57	19.43	-1.14	-0.39
NCU08120	mitochondrial ribosomal protein DAP3	25.24	24.09	-1.15	-0.40
NCU01444	rheb small monomeric GTPase RhbA	19.20	18.05	-1.15	-0.40
NCU01021		18.95	17.80	-1.15	-0.40
NCU03558	hypothetical protein	24.03	22.88	-1.15	-0.40
NCU05226	ABC transporter	25.24	24.08	-1.16	-0.41
NCU04807	universal stress protein famil	17.93	16.77	-1.16	-0.41

NCU02514	mitochondrial ATP synthase alpha subunit	30.28	29.12	-1.16	-0.41
NCU05717	mito ribosomal protein S6	24.05	22.88	-1.17	-0.42
NCU03877	C-1-tetrahydrofolate synthase	23.91	22.74	-1.17	-0.42
NCU03112	NADH-cytochrome b5 reductase 2	27.55	26.38	-1.17	-0.42
NCU02013	hypothetical protein	24.35	23.17	-1.18	-0.43
NCU01179	outer membrane translocase 40 kDa subunit	25.78	24.60	-1.18	-0.43
NCU08949	hypothetical protein	26.08	24.89	-1.19	-0.44
NCU05881	DUF500 and UBA/TS-N domain-containing protein	22.01	20.82	-1.19	-0.44
NCU02482	2-methylcitrate synthase, variant 2	26.14	24.95	-1.19	-0.44
NCU02419	mitochondrial 37S ribosomal protein S17	24.42	23.23	-1.19	-0.44
NCU01859	NADH:ubiquinone oxidoreductase 20.9kD subunit	25.39	24.20	-1.19	-0.44
NCU08071	ribosomal protein S16	23.86	22.66	-1.20	-0.45
NCU03343	37S ribosomal protein S25	24.88	23.67	-1.21	-0.46
NCU11345	hypothetical protein	25.68	24.46	-1.22	-0.47
NCU02450	threonine dehydratase	17.97	16.75	-1.22	-0.47
NCU01484	rho-type GTPase	25.47	24.25	-1.22	-0.47
NCU04044	NADH2 dehydrogenase flavoprotein 1	27.15	25.92	-1.23	-0.48
NCU00605	ThiF domain-containing protein	24.65	23.42	-1.23	-0.48
NCU08980	alternative NADH-dehydrogenase	25.84	24.61	-1.23	-0.48
NCU04230	isocitrate lyase	26.03	24.80	-1.23	-0.48
NCU03813	formate dehydrogenase	21.68	20.45	-1.23	-0.48
NCU02269	mitochondrial carnitine/acylcarnitine carrier	23.88	22.65	-1.23	-0.48
NCU01692	mitochondrial citrate synthase	28.78	27.55	-1.23	-0.48
NCU01606	ATP synthase subunit 5	27.85	26.62	-1.23	-0.48
NCU00894	hypothetical protein	27.50	26.27	-1.23	-0.48
NCU05633	stomatin family protein	26.07	24.83	-1.24	-0.49
NCU05526	homocitrate synthase, variant 2	21.71	20.47	-1.24	-0.49
NCU04249	hypothetical protein	19.17	17.93	-1.24	-0.49
NCU12023	mito ribosomal protein S2	24.91	23.66	-1.25	-0.50
NCU08272	cytochrome b2	26.37	25.12	-1.25	-0.50
NCU03802	trimethyllysine dioxygenase	24.29	23.04	-1.25	-0.50
NCU02657	s-adenosylmethionine synthetase, variant	22.33	21.08	-1.25	-0.50
NCU00564	mitochondrial 40S ribosomal protein MRP2	23.41	22.16	-1.25	-0.50
NCU00166	isochorismatase domain-containing protein 2A	23.02	21.77	-1.25	-0.50
NCU09463	leucyl-tRNA synthetase	22.08	20.82	-1.26	-0.51
NCU02407	dihydrolipoyl dehydrogenase	28.58	27.32	-1.26	-0.51
NCU09119	ATP synthase subunit gamma	27.34	26.08	-1.26	-0.51
NCU03982	glucose-regulated protein	26.01	24.75	-1.26	-0.51
NCU01905	sorbitol dehydrogenase	16.46	15.20	-1.26	-0.51
NCU00430	Na	18.52	17.25	-1.27	-0.52
NCU00573	hypothetical protein	22.10	20.83	-1.27	-0.52
NCU04636	cysteine desulfurase	26.20	24.92	-1.28	-0.53
NCU01747	glycerophosphocholine phosphodiesterase Gde1	17.06	15.77	-1.29	-0.54
NCU10048	3-methyl-2-oxobutanoate	21.17	19.87	-1.30	-0.55
NCU07879	mitochondrial metal transporter 2	20.13	18.83	-1.30	-0.55
NCU07384	mitochondrial thiamine pyrophosphate carrier 1	20.12	18.82	-1.30	-0.55
NCU02295	phosphatidylinositol-4-phosphate 5-kinase its3	20.37	19.07	-1.30	-0.55
NCU09223	protein disulfide-isomerase	25.70	24.39	-1.31	-0.55
NCU04569	5-oxoprolinase	20.58	19.27	-1.31	-0.55
NCU04138	hypothetical protein	24.06	22.75	-1.31	-0.55
NCU03230	mitochondrial ribosomal protein subunit S18	24.08	22.77	-1.31	-0.55
NCU09477	ADP/ATP carrier protein, variant	29.64	28.33	-1.31	-0.55
NCU02544	ABC transporter	23.39	22.08	-1.31	-0.55
NCU10468	arginine biosynthesis argJ	26.83	25.51	-1.32	-0.56
NCU04946	hypothetical protein	22.56	21.24	-1.32	-0.56
NCU02064	hypothetical protein	26.32	25.00	-1.32	-0.56
NCU01528	glyceraldehyde 3-phosphate-dehydrogenase	25.12	23.80	-1.32	-0.56
NCU04899	malate dehydrogenase	29.54	28.20	-1.34	-0.58
NCU01765	NADH:ubiquinone oxidoreductase 78	27.73	26.39	-1.34	-0.58
NCU00050	pyruvate dehydrogenase X component	26.62	25.28	-1.34	-0.58
NCU01680	plasma membrane ATPase	27.88	26.53	-1.35	-0.59
NCU05299	NADH:ubiquinone oxidoreductase	25.68	24.33	-1.35	-0.59
NCU04579	dihydroxy-acid dehydratase	27.64	26.29	-1.35	-0.59
NCU03556	peroxisomal membrane protein Pmp47	24.03	22.68	-1.35	-0.59
NCU02133	superoxide dismutase	23.80	22.45	-1.35	-0.59
NCU01650	hypothetical protein	24.30	22.95	-1.35	-0.59
NCU00114	30S ribosomal protein S10	25.17	23.82	-1.35	-0.59
NCU07884	mitochondrial oxaloacetate transporter	22.50	21.14	-1.36	-0.60
NCU05027	hypothetical protein	25.70	24.34	-1.36	-0.60
NCU02623	mitochondrial hypoxia responsive	25.73	24.37	-1.36	-0.60
NCU07756	succinate dehydrogenase cytochrome b560 subunit	26.42	25.06	-1.36	-0.60
NCU17017	mitochondrial inner membrane protease subunit 1	19.37	18.00	-1.37	-0.61
NCU05454	glycerol-3-phosphate dehydrogenase	27.49	26.11	-1.38	-0.62
NCU04412	hypothetical protein	24.63	23.25	-1.38	-0.62

NCU00567	Arg-6 protein, variant	27.75	26.37	-1.38	-0.62
NCU00436	GTPase FZO1	23.99	22.61	-1.38	-0.62
NCU07112	hypothetical protein	26.92	25.54	-1.38	-0.62
NCU06662	mitochondrial carrier protein	20.40	19.00	-1.40	-0.64
NCU01878	vesicle-mediated transporter	17.91	16.51	-1.40	-0.64
NCU03076	delta-1-pyrroline-5-carboxylate dehydrogenase	26.32	24.91	-1.41	-0.65
NCU06768	60S ribosomal protein L16	23.50	22.07	-1.43	-0.67
NCU01550	adenylate kinase cytosolic	27.49	26.05	-1.44	-0.68
NCU01485	hypothetical protein	26.15	24.71	-1.44	-0.68
NCU06875	hypothetical protein	18.03	16.59	-1.44	-0.68
NCU03711	GTP-binding protein ypt7	24.53	23.09	-1.44	-0.68
NCU02951	40S ribosomal protein S8	24.27	22.83	-1.44	-0.68
NCU08720	hypothetical protein	19.06	17.61	-1.45	-0.69
NCU04481	mitochondrial ATPase	24.13	22.68	-1.45	-0.69
NCU00411	hypothetical protein	22.16	20.71	-1.45	-0.69
NCU03129	threonyl-tRNA synthetase	22.88	21.42	-1.46	-0.70
NCU03735	hypothetical protein	20.69	19.21	-1.48	-0.72
NCU01821	alanine-glyoxylate aminotransferase	24.97	23.49	-1.48	-0.72
NCU04754	branched-chain-amino-acid aminotransferase	26.76	25.27	-1.49	-0.72
NCU06336	N2,N2-dimethylguanosine tRNA methyltransferase	17.72	16.22	-1.50	-0.73
NCU05221	NADH:ubiquinone oxidoreductase 21kD subunit	26.68	25.15	-1.53	-0.76
NCU00969	NADH:ubiquinone oxidoreductase 17.8kD subunit	24.32	22.78	-1.54	-0.77
NCU00536	homoserine O-acetyltransferase	24.83	23.28	-1.55	-0.78
NCU00461	NAD-specific glutamate dehydrogenase	16.84	15.29	-1.55	-0.78
NCU09123	Ca/CaM-dependent kinase-1, variant 2	20.61	19.05	-1.56	-0.79
NCU00789	DUF221 domain-containing protein	22.70	21.14	-1.56	-0.79
NCU11258	LYR family protein	26.03	24.47	-1.56	-0.79
NCU03966	mitochondrial Rho GTPase 1	23.05	21.48	-1.57	-0.80
NCU01241	mitochondrial carrier protein	26.53	24.96	-1.57	-0.80
NCU03837	Snf1 kinase complex beta-subunit Gal83	17.79	16.21	-1.58	-0.81
NCU00684	endonuclease/Exonuclease/phosphatase	21.90	20.32	-1.58	-0.81
NCU00431	mitochondrial import receptor subunit Tom22	25.47	23.88	-1.59	-0.82
NCU04421	annexin XIV, variant	16.04	14.44	-1.60	-0.83
NCU11348	NADH:ubiquinone oxidoreductase B18 subunit	24.18	22.57	-1.61	-0.84
NCU06524	protease inhibitor	19.15	17.54	-1.61	-0.84
NCU04245	outer mitochondrial membrane translocase	27.52	25.91	-1.61	-0.84
NCU03608	ketol-acid reductoisomerase	29.06	27.44	-1.62	-0.85
NCU07732	carbamoyl-phosphate synthase small subunit	25.98	24.35	-1.63	-0.86
NCU04783	EH domain binding protein epsin 2	19.61	17.98	-1.63	-0.86
NCU04265	invertase	20.77	19.14	-1.63	-0.86
NCU01761	hypothetical protein	23.34	21.71	-1.63	-0.86
NCU02475	glycine dehydrogenase	26.88	25.23	-1.65	-0.88
NCU05390	mitochondrial phosphate carrier protein	28.67	27.02	-1.65	-0.88
NCU02280	NADH:ubiquinone oxidoreductase 21.3kD subunit B	25.71	24.05	-1.66	-0.89
NCU01689	mitochondrial DNA replication protein YHM2	24.20	22.54	-1.66	-0.89
NCU01666	acetolactate synthase small subunit	26.84	25.18	-1.66	-0.89
NCU02677	carbamoyl-phosphate synthase large subunit	28.56	26.89	-1.67	-0.89
NCU08973	SNARE protein Ykt6	21.81	20.13	-1.68	-0.90
NCU06450	mitochondrial ribosomal protein	24.71	23.03	-1.68	-0.90
NCU05706	glutathione S-transferase	20.94	19.26	-1.68	-0.90
NCU02972	hypothetical protein	21.04	19.35	-1.69	-0.91
NCU08621	hypothetical protein	18.51	16.82	-1.69	-0.91
NCU08411	aspartate aminotransferase	27.89	26.20	-1.69	-0.91
NCU00502	ATP synthase subunit 4	27.55	25.86	-1.69	-0.91
NCU08541	hypothetical protein	21.68	19.98	-1.70	-0.92
NCU06924	kynurenine 3-monooxygenase	25.16	23.45	-1.71	-0.93
NCU05410	acetylornithine aminotransferase	26.68	24.97	-1.71	-0.93
NCU08354	hypothetical protein	23.74	22.02	-1.72	-0.94
NCU03661	GTPase-activating protein GYP7	18.93	17.21	-1.72	-0.94
NCU02618	peroxisomal membrane protein	20.72	19.00	-1.72	-0.94
NCU03493	glycine rich protein	20.30	18.58	-1.72	-0.94
NCU09175	GPI-anchored cell wall beta-1,3-endoglucanase	23.05	21.32	-1.73	-0.95
NCU04174	hypothetical protein	21.04	19.31	-1.73	-0.95
NCU03559	ubiquinol-cytochrome c reductase complex cor	27.91	26.17	-1.74	-0.96
NCU03214	ER lumen protein retaining receptor	18.78	17.04	-1.74	-0.96
NCU03093	NADH:ubiquinone oxidoreductase 12.3kD subunit	25.48	23.72	-1.76	-0.98
NCU05266	KH domain-containing protein	17.55	15.78	-1.77	-0.99
NCU00227	mitochondrial cation transporter	23.27	21.49	-1.78	-1.00
NCU05890	hypothetical protein	22.07	20.28	-1.79	-1.01
NCU08066	amino acid transporter	18.47	16.67	-1.80	-1.02
NCU05457	cytochrome c oxidase subunit IV	27.07	25.26	-1.81	-1.03
NCU08358	hypothetical protein	22.39	20.58	-1.81	-1.03
NCU04605	hypothetical protein	24.56	22.74	-1.82	-1.04
NCU01401	mitochondrial outer membrane protein, variant	23.06	21.24	-1.82	-1.04

NCU07495	sphingolipid long chain base-responsive protei	21.08	19.24	-1.84	-1.06
NCU04814	DUF21 and CBS domain-containing protein	22.39	20.55	-1.84	-1.06
NCU09143	hypothetical protein	22.65	20.80	-1.85	-1.07
NCU00101	pbn-1	21.18	19.33	-1.85	-1.07
NCU05220	ATP synthase subunit F	26.23	24.37	-1.86	-1.07
NCU06606	ubiquinol-cytochrome c reductase iron-sulfu	27.06	25.19	-1.87	-1.08
NCU02373	NADH:ubiquinone oxidoreductase 40 kDa subunit	26.91	25.02	-1.89	-1.10
NCU08948	NIF domain-containing protein	18.09	16.19	-1.90	-1.11
NCU01101	mitochondrial import protein 1	22.18	20.28	-1.90	-1.11
NCU08561	succinate/fumarate mitochondrial transporter	23.16	21.25	-1.91	-1.12
NCU03798	mitochondrial import inner membrane translocas	20.06	18.14	-1.92	-1.13
NCU06695	cytochrome c oxidase polypeptide VI, variant	27.13	25.20	-1.93	-1.14
NCU02391	protein transporter sec-24	20.18	18.24	-1.94	-1.15
NCU08930	NADH:ubiquinone oxidoreductase 21.3kD subunit A	26.22	24.27	-1.95	-1.16
NCU08269	pyridoxamine 5'-phosphate oxidase	20.17	18.22	-1.95	-1.16
NCU01371	UPF0660 protein	20.50	18.53	-1.97	-1.18
NCU00418	NADH:ubiquinone oxidoreductase 14.8kD subunit	25.70	23.71	-1.99	-1.20
NCU06678	exonuclease Kem1	20.79	18.78	-2.01	-1.22
NCU05689	cytochrome c oxidase polypeptide IV	27.20	25.19	-2.01	-1.22
NCU05777	ubiquitin carboxyl-terminal hydrolase 14	16.88	14.87	-2.01	-1.22
NCU06741	cytochrome c oxidase subunit VIb	25.97	23.91	-2.06	-1.26
NCU01422	multi-protein-bridging factor 1	20.37	18.31	-2.06	-1.26
NCU08947	ubiquinol-cytochrome-c reductase chain VIII	26.66	24.59	-2.07	-1.27
NCU03913	2-oxoisovalerate dehydrogenase beta subunit	19.52	17.45	-2.07	-1.27
NCU09002	NADH:ubiquinone oxidoreductase 10.6kD subunit	24.27	22.18	-2.09	-1.29
NCU03827	40S ribosomal protein S9	25.33	23.24	-2.09	-1.29
NCU00519	ribulose-phosphate 3-epimerase	17.93	15.83	-2.10	-1.30
NCU02074	endoplasmic oxidoreductin-1	22.07	19.97	-2.10	-1.30
NCU00930	mitochondrial import inner membrane translocas	22.49	20.38	-2.11	-1.31
NCU00249	hypothetical protein	17.13	15.01	-2.12	-1.32
NCU00352	phospholipid-transporting ATPase	19.19	17.07	-2.12	-1.32
NCU04276	hypothetical protein	24.65	22.52	-2.13	-1.33
NCU09816	cytochrome-26	28.20	26.06	-2.14	-1.34
NCU06430	capsule-associated protein CAP1	20.88	18.69	-2.19	-1.39
NCU01070	hypothetical protein	19.99	17.80	-2.19	-1.39
NCU03602	hypothetical protein	19.10	16.90	-2.20	-1.40
NCU03953	mitochondrial NADH-ubiquinone oxidoreductase 2	25.38	23.17	-2.21	-1.41
NCU06189	5-aminolevulinate synthase	25.85	23.64	-2.21	-1.41
NCU04645	DUF124 domain-containing protein	20.62	18.40	-2.22	-1.41
NCU08939	mannan polymerase II complex ANP1 subunit	20.74	18.49	-2.25	-1.44
NCU00216	NADH-cytochrome b5 reductase 1	22.62	20.37	-2.25	-1.44
NCU06317	stress response RCI peptide	21.56	19.30	-2.26	-1.45
NCU10311	mitochondrial ribosomal protein subunit S4	23.35	21.09	-2.26	-1.45
NCU03092	nuclear localization sequence binding protein	17.92	15.65	-2.27	-1.46
NCU09808	dynammin-1	21.22	18.92	-2.30	-1.49
NCU01142	NADH:ubiquinone oxidoreductase 13.4kD subunit	25.33	23.03	-2.30	-1.49
NCU08957	hypothetical protein	20.87	18.54	-2.33	-1.52
NCU05513	hypothetical protein	20.67	18.31	-2.36	-1.55
NCU09299	NADH:ubiquinone oxidoreductase 14kD subunit	24.83	22.45	-2.38	-1.57
NCU05564	peroxisomal membrane protein PEX31, variant 2	19.02	16.63	-2.39	-1.58
NCU02202	serine/threonine kinase IRE1	19.10	16.69	-2.41	-1.59
NCU06410	GTP-binding protein YPT52	21.24	18.74	-2.50	-1.68
NCU06943	SIK1	20.02	17.50	-2.52	-1.70
NCU02564	cysteine synthase 2	23.40	20.88	-2.52	-1.70
NCU01360	NADH:ubiquinone oxidoreductase 11.5kD subunit	23.09	20.57	-2.52	-1.70
NCU01467	NADH:ubiquinone oxidoreductase 10.4kD subunit	24.18	21.65	-2.53	-1.71
NCU01633	hexose transporter HXT13	25.89	23.35	-2.54	-1.72
NCU06332	alpha/beta hydrolase	21.78	19.24	-2.54	-1.72
NCU01754	alcohol dehydrogenase I	23.65	21.10	-2.55	-1.73
NCU07075	calcium/proton exchanger, variant	21.97	19.39	-2.58	-1.76
NCU02635	mannan polymerase complexes MNN9 subunit	20.84	18.26	-2.58	-1.76
NCU08699	bli-4 protein	21.98	19.39	-2.59	-1.76
NCU00459	hypothetical protein	18.40	15.79	-2.61	-1.78
NCU06542	mitochondrial 30S ribosomal protein S12	23.21	20.57	-2.64	-1.81
NCU06149	ATP-dependent RNA helicase dhh-1	19.60	16.94	-2.66	-1.83

Table S4 Data from S100 Cytosolic Proteome (Log of total ion counts)																		
increased levels - green; decreased levels - red																		
protein	description	WT-1 nc1s	WT-2 nc2s	delta Po nc5s	delta Po nc6s	AVG	0.02 R0	0.13 R1	0.28 Z0	0.39 Z1	SD	0.70 NRO	0.75 NR1	1.27 NZ0	1.23 NZ1	SN	average Z0 Z1	
NCU00021	hypothetical protein	17.22	16.06	19.57	20.19	-1.16	-0.16	0.62	2.35	4.13		-1.18	0.49	2.07	3.74	3.36	3.24	
NCU05780	glutathione S-transferase-1	14.39	14.48	20.09	19.33	0.09	-0.76	5.70	4.85		0.07	-0.89	5.42	4.46	7.89	5.28		
NCU09519	2,5-diketo-D-gluconic acid reductase A	13.08	13.24	17.79	17.12	0.16	-0.67	4.71	3.88		0.14	-0.80	4.43	3.49	6.97	4.30		
NCU10572	short chain oxidoreductase	17.40	19.04	21.88	21.95	1.64	0.07	4.48	2.91		1.62	-0.06	4.20	2.52	3.02	3.70		
NCU01272	mitochondrial presequence protease	16.01	16.84	20.30	20.07	0.83	-0.23	4.29	3.23		0.81	-0.36	4.01	2.84	5.53	3.76		
NCU02549	processing enhancing protein	16.37	17.08	20.60	20.87	0.71	0.27	4.23	3.79		0.69	0.14	3.95	3.40	7.36	4.01		
NCU09533	NAD binding Rossmann fold oxidoreductase	14.55	15.25	18.65	18.73	0.70	0.08	4.10	3.48		0.68	-0.05	3.82	3.09	7.17	3.79		
NCU02514	ATPase-1	18.44	18.17	22.28	21.36	-0.27	-0.92	3.84	3.19		-0.29	-1.05	3.56	2.80	4.18	3.52		
NCU09559	clock-controlled gene-9	14.15	14.61	17.99	18.81	0.46	0.82	3.84	4.20		0.44	0.69	3.56	3.81	6.34	4.02		
NCU03737	elongation factor Tu	15.79	15.65	19.50	19.73	-0.14	0.23	3.71	4.08		-0.16	0.10	3.43	3.69	26.98	3.90		
NCU09560	superoxide dismutase	16.06	16.18	19.75	18.72	0.12	-1.03	3.69	2.54		0.10	-1.16	3.41	2.15	3.47	3.12		
NCU05770	catalase-2	18.70	18.88	22.28	22.45	0.18	0.17	3.58	3.57		0.16	0.04	3.30	3.18	27.06	3.58		
NCU03739	ERP38 protein	14.80	15.96	18.35	18.07	1.16	-0.28	3.55	2.11		1.14	-0.41	3.27	1.72	3.05	2.83		
NCU04930	hypothetical protein	15.43	16.03	18.97	19.34	0.60	0.37	3.54	3.31		0.58	0.24	3.26	2.92	6.93	3.43		
NCU06441	D-lactate dehydrogenase 2	15.59	16.49	18.92	18.76	0.90	-0.16	3.33	2.27		0.88	-0.29	3.05	1.88	3.86	2.80		
NCU08130	hypothetical protein	17.61	17.87	20.93	20.74	0.26	-0.19	3.32	2.87		0.24	-0.32	3.04	2.48	9.82	3.10		
NCU02809	hypothetical protein	11.30	11.09	14.54	16.64	-0.21	2.10	3.24	5.55		-0.23	1.97	2.96	5.16	3.00	4.40		
NCU01589	heat shock protein 60	18.70	18.83	21.81	21.64	0.13	-0.17	3.11	2.81		0.11	-0.30	2.83	2.42	11.72	2.96		
NCU06086	regulatory protein suaprga1	14.88	14.13	17.99	17.85	-0.75	-0.14	3.11	3.72		-0.77	-0.27	2.83	3.33	5.39	3.42		
NCU00355	catalase-3	19.04	19.52	22.00	22.42	0.48	0.42	2.96	2.90		0.46	0.29	2.68	2.51	6.70	2.93		
NCU00549	glutathione transferase omega-1	15.69	14.97	18.64	18.07	-0.72	-0.57	2.95	3.10		-0.74	-0.70	2.67	2.71	3.76	3.03		
NCU09674	O-methyltransferase family 3	17.82	18.46	20.76	20.98	0.64	0.22	2.94	2.52		0.62	0.09	2.66	2.13	5.41	2.73		
NCU04483	sedoheptulose-1,7-bisphosphatase	15.21	16.00	18.12	18.42	0.79	0.30	2.91	2.42		0.77	0.17	2.63	2.03	4.20	2.67		
NCU03611	chitin synthase-1	13.34	13.88	16.16	17.03	0.54	0.87	2.82	3.15		0.52	0.74	2.54	2.76	4.13	2.99		
NCU02812	uridylate kinase	16.39	16.03	19.17	19.06	-0.36	-0.11	2.78	3.03		-0.38	-0.24	2.50	2.64	8.19	2.91		
NCU02771	uroporphyrinogen decarboxylase	19.84	20.67	22.58	22.50	0.83	-0.08	2.74	1.83		0.81	-0.21	2.46	1.44	3.40	2.29		
NCU08402	zinc-binding alcohol dehydrogenase	17.90	18.00	20.62	20.84	0.10	0.22	2.72	2.84		0.08	0.09	2.44	2.45	27.63	2.78		
NCU02899	hypothetical protein	14.38	14.51	17.07	16.29	0.13	-0.78	2.69	1.78		0.11	-0.91	2.41	1.39	3.05	2.24		
NCU03795	cell division control protein 12	16.48	16.27	19.14	18.92	-0.21	-0.22	2.66	2.65		-0.23	-0.35	2.38	2.26	7.94	2.66		
NCU08044	oxidoreductase	17.37	18.10	20.02	19.56	0.73	-0.46	2.65	1.46		0.71	-0.59	2.37	1.07	2.82	2.06		
NCU08693	heat shock protein 70-5	20.41	20.30	23.06	23.36	-0.11	0.30	2.65	3.06		-0.13	0.17	2.37	2.67	16.70	2.86		
NCU00720	tricarboxylic acid-17	13.99	14.92	16.63	16.80	0.93	0.17	2.64	1.88		0.91	0.04	2.36	1.49	3.06	2.26		
NCU03949	nitropropane dioxygenase-1	18.77	19.16	21.39	21.45	0.39	0.06	2.62	2.29		0.37	-0.07	2.34	1.90	7.95	2.46		
NCU05430	ATPase-2	19.88	19.60	22.41	21.96	-0.28	-0.45	2.53	2.36		-0.30	-0.58	2.25	1.97	4.62	2.45		
NCU04129	gamma-tocopherol methyltransferase	15.82	15.68	18.28	18.22	-0.14	-0.06	2.46	2.54		-0.16	-0.19	2.18	2.15	12.59	2.50		
NCU05881	DUF500 and UBA/TS-N domain-containing protein	15.37	14.83	17.81	17.33	-0.54	-0.48	2.44	2.50		-0.56	-0.61	2.16	2.11	3.67	2.47		
NCU10810	mRNA splicing protein	14.28	14.89	16.72	16.49	0.61	-0.23	2.44	1.60		0.59	-0.36	2.16	1.21	3.58	2.02		
NCU02727	glycine cleavage system T protein	15.86	16.14	18.22	17.73	0.28	-0.49	2.36	1.59		0.26	-0.62	2.08	1.20	3.59	1.98		
NCU06738	protein transporter sec-31	15.62	15.77	17.94	17.50	0.15	-0.44	2.32	1.73		0.13	-0.57	2.04	1.34	4.20	2.03		
NCU07008	carotenoid oxygenase-1	14.92	13.80	17.22	18.02	-1.12	0.80	2.30	4.22		-1.14	0.67	2.02	3.83	3.28	3.26		
NCU03786	serine/threonine protein phosphatase 2A	13.30	13.87	15.58	15.68	0.57	0.10	2.28	1.81		0.55	-0.03	2.00	1.42	4.43	2.05		
NCU02464	neuronal-specific septin-3	16.60	16.91	18.86	18.47	0.31	-0.39	2.26	1.56		0.29	-0.52	1.98	1.17	3.88	1.91		
NCU09090	phosphopantothenate-cysteine ligase	15.56	16.03	17.77	17.81	0.47	0.04	2.21	1.78		0.45	-0.09	1.93	1.39	5.16	2.00		
NCU01166	microcycle blastoconidiation	16.11	16.13	18.27	17.91	0.02	-0.36	2.16	1.78		0.00	-0.49	1.88	1.39	4.81	1.97		
NCU01258	cyanase	18.31	17.77	20.47	20.52	-0.54	0.05	2.16	2.75		-0.56	-0.08	1.88	2.36	5.38	2.46		
NCU06915	hypothetical protein	15.38	14.84	17.52	18.19	-0.54	0.67	2.14	3.35		-0.56	0.54	1.86	2.96	4.50	2.75		
NCU03068	pyridoxine-3	16.63	16.62	18.76	18.33	-0.01	-0.43	2.13	1.71		-0.03	-0.56	1.85	1.32	4.08	1.92		
NCU00880	phospholipase A-2-activating protein	16.26	14.99	18.37	18.75	-1.27	0.38	2.11	3.76		-1.29	0.25	1.83	3.37	2.93	2.94		
NCU09798	aryl-alcohol dehydrogenase	15.38	16.13	17.48	17.59	0.75	0.11	2.10	1.46		0.73	-0.02	1.82	1.07	2.88	1.78		
NCU03596	CRAL/TRIO domain-containing protein	14.21	14.41	16.23	15.75	0.20	-0.48	2.02	1.34		0.18	-0.61	1.74	0.95	3.13	1.68		
NCU02113	ubiquitin-conjugating enzyme E2 13	15.84	16.37	17.84	17.79	0.53	-0.05	2.00	1.42		0.51	-0.18	1.72	1.03	3.70	1.71		
NCU07659	acetate-4	17.61	17.11	19.60	20.02	-0.50	0.42	1.99	2.91		-0.52	0.29	1.71	2.52	5.14	2.45		
NCU08004	electron transfer flavoprotein alpha-subunit	15.03	14.51	16.99	16.49	-0.52	-0.50	1.96	1.98		-0.54	-0.63	1.68	1.59	8.32	1.97		=SORT(
NCU04216	adenine-7	16.66	16.40	18.59	18.61	-0.26	0.02	1.93	2.21		-0.28	-0.11	1.65	1.82	8.32	2.07		
NCU06974	histidinol-phosphatase	15.36	15.70	17.27	17.49	0.34	0.22	1.91	1.79		0.32	0.09	1.63	1.40	6.39	1.85		
NCU00488	protein phosphatase PP2A regulatory subunit A	18.53	18.23	20.42	20.49	-0.30	0.07	1.89	2.26		-0.32	-0.06	1.61	1.87	7.70	2.08		
NCU01424	DUF636 domain-containing protein	18.61	19.03	20.48	21.08	0.42	0.60	1.87	2.05		0.40	0.47	1.59	1.66	3.70	1.96		
NCU00461	glutamate dehydrogenase-1	14.85	15.07	16.67	16.27	0.22	-0.40	1.82	1.20		0.20	-0.53	1.54	0.81	3.09	1.51		
NCU02510	clathrin heavy chain	19.80	20.06	21.55	21.29	0.26	-0.26	1.75	1.23		0.24	-0.39	1.47	0.84	3.71	1.49		
NCU05143	rdsl	15.67	15.23	17.38	17.26	-0.44	-0.12	1.71	2.03		-0.46	-0.25	1.43	1.64	4.21	1.87		
NCU00864	TIM-barrel enzyme family protein	17.13	17.54	18.83	18.86	0.41	0.03	1.70	1.32		0.39	-0.10	1.42	0.93	4.20	1.51		
NCU01919	ubiquitin C-terminal hydrolase	17.29	17.15	18.99	18.72	-0.14	-0.27	1.70	1.57		-0.16	-0.40	1.42	1.18	4.34	1.64		
NCU0770																		

NCU04404	coatamer beta subunit	17.93	17.89	18.92	19.05	-0.04	0.13	0.99	1.16	-0.06	0.00	0.71	0.77	18.76	1.08
NCU10292	porphobilinogen deaminase	18.67	18.38	19.66	20.19	-0.29	0.53	0.99	1.81	-0.31	0.40	0.71	1.42	3.15	1.40
NCU07240	aflatoxin B1 aldehyde reductase member 2	19.36	19.15	20.33	20.82	-0.21	0.49	0.97	1.67	-0.23	0.36	0.69	1.28	3.41	1.32
NCU05270	mitochondrial translation initiation factor IF-2	16.89	17.02	17.85	18.14	0.13	0.29	0.96	1.12	0.11	0.16	0.68	0.73	5.04	1.04
NCU00680	2-methylcitrate dehydratase	18.99	19.24	19.89	20.00	0.25	0.11	0.90	0.76	0.23	-0.02	0.62	0.37	3.10	0.83
NCU04087	Aha1 domain-containing protein	16.45	16.26	17.30	17.63	-0.19	0.33	0.85	1.37	-0.21	0.20	0.57	0.98	3.94	1.11
NCU04452	menadione-induced gene-3	19.19	18.81	20.01	20.18	-0.38	0.17	0.82	1.37	-0.40	0.04	0.54	0.98	2.82	1.10
NCU01197	gulliver-1	19.35	19.42	20.14	20.11	0.07	-0.03	0.79	0.69	0.05	-0.16	0.51	0.30	3.59	0.74
NCU08436	alpha/beta hydrolase	17.92	17.72	18.71	18.76	-0.20	0.05	0.79	1.04	-0.22	-0.08	0.51	0.65	3.62	0.92
NCU04443	quinone oxidoreductase	18.91	19.08	19.68	19.72	0.17	0.04	0.77	0.64	0.15	-0.09	0.49	0.25	3.14	0.71
NCU05937	GDP-mannose pyrophosphorylase	18.97	18.67	19.73	20.04	-0.30	0.31	0.76	1.37	-0.32	0.18	0.48	0.98	3.00	1.07
NCU04826	hypothetical protein	18.89	18.77	19.65	19.73	-0.12	0.08	0.76	0.96	-0.14	-0.05	0.48	0.57	5.21	0.86
NCU04142	heat shock protein 80	23.46	23.33	24.18	24.59	-0.13	0.41	0.72	1.26	-0.15	0.28	0.44	0.87	3.08	0.99
NCU03857	tricarboxylic acid-5	23.00	22.81	23.69	23.82	-0.19	0.13	0.69	1.01	-0.21	0.00	0.41	0.62	3.63	0.85
NCU04368	glutathione S-transferase Gst3	18.72	18.80	19.36	19.42	0.08	0.06	0.64	0.62	0.06	-0.07	0.36	0.23	4.66	0.63
NCU02193	cellular filament polypeptide	25.53	25.57	26.16	26.20	0.04	0.04	0.63	0.63	0.02	-0.09	0.35	0.24	4.76	0.63
NCU07171	actin-related protein 2	18.86	18.67	19.49	19.62	-0.19	0.13	0.63	0.95	-0.21	0.00	0.35	0.56	3.23	0.79
NCU02982	regulatory particle, non-ATPase-like-10	17.25	17.16	17.86	18.12	-0.09	0.26	0.61	0.96	-0.11	0.13	0.33	0.57	3.90	0.79
NCU06783	ATP citrate lyase	22.70	22.67	23.28	23.31	-0.03	0.03	0.58	0.64	-0.05	-0.10	0.30	0.25	3.68	0.61
NCU08687	galactokinase	15.97	15.89	16.53	16.85	-0.08	0.32	0.56	0.96	-0.10	0.19	0.28	0.57	2.97	0.76
NCU08535	acetyl-CoA carboxylase	20.67	20.53	21.23	21.50	-0.14	0.27	0.56	0.97	-0.16	0.14	0.28	0.58	3.06	0.76
NCU00743	glycogen debranching enzyme	21.16	21.17	21.52	21.64	0.01	0.12	0.36	0.47	-0.01	-0.01	0.08	0.08	12.81	0.41
NCU06300	guanylate kinase	18.63	18.66	18.99	19.15	0.03	0.16	0.36	0.49	0.01	0.03	0.08	0.10	3.71	0.42
NCU06727	spermidine-3	22.70	22.66	22.71	22.82	-0.04	0.11	0.01	0.16	-0.06	-0.02	-0.27	-0.23	5.98	0.09
NCU07914	phosphoglycerate kinase	25.79	25.72	25.76	25.79	-0.07	0.03	-0.03	0.07	-0.09	-0.10	-0.31	-0.32	3.40	0.02
NCU05290	orotate phosphoribosyltransferase	21.09	21.10	21.03	21.09	0.01	0.06	-0.06	-0.01	-0.01	-0.07	-0.34	-0.40	7.73	-0.04
NCU01821	alanine-glyoxylate aminotransferase	20.87	20.90	20.78	20.68	0.03	-0.10	-0.09	-0.22	0.01	-0.23	-0.37	-0.61	3.12	-0.15
NCU00522	cystathionine beta-lyase	20.22	20.34	20.11	20.24	0.12	0.13	-0.11	-0.10	0.10	0.00	-0.39	-0.49	5.97	-0.11
NCU02588	nuclear movement protein nudC	17.48	17.70	17.37	17.44	0.22	0.07	-0.11	-0.26	0.20	-0.06	-0.39	-0.65	3.56	-0.18
NCU04442	GAL10	20.69	20.60	20.56	20.78	-0.09	0.22	-0.13	0.18	-0.11	0.09	-0.41	-0.21	3.23	0.02
NCU07807	fructose biphosphate aldolase	25.33	25.60	25.18	25.05	0.27	-0.13	-0.15	-0.55	0.25	-0.26	-0.43	-0.94	2.85	-0.35
NCU05095	phenylalanyl-tRNA synthetase subunit alpha	22.03	22.28	21.87	22.05	0.25	0.18	-0.16	-0.23	0.23	0.05	-0.44	-0.62	3.15	-0.20
NCU08162	arginine-10	22.71	22.79	22.54	22.83	0.08	0.29	-0.17	0.04	0.06	0.16	-0.45	-0.35	3.23	-0.07
NCU08964	60S ribosomal protein L10	21.34	21.59	21.16	21.09	0.25	-0.07	-0.18	-0.50	0.23	-0.20	-0.46	-0.89	3.26	-0.34
NCU07451	methionyl-tRNA synthetase	21.75	21.88	21.55	21.74	0.13	0.19	-0.20	-0.14	0.11	0.06	-0.48	-0.53	5.45	-0.17
NCU03826	elongation factor 1-gamma	24.18	24.15	23.93	23.74	-0.03	-0.19	-0.25	-0.41	-0.05	-0.32	-0.53	-0.80	2.98	-0.33
NCU00258	cytoplasmic ribosomal protein-15	22.29	22.34	22.01	22.34	0.05	0.33	-0.28	0.00	0.03	0.20	-0.56	-0.39	3.29	-0.14
NCU04303	asparagine synthetase 2	21.97	22.09	21.69	21.76	0.12	0.07	-0.28	-0.33	0.10	-0.06	-0.56	-0.72	7.65	-0.30
NCU03882	hypothetical protein	18.39	18.73	18.10	18.03	0.34	-0.07	-0.29	-0.70	0.32	-0.20	-0.57	-1.09	3.23	-0.49
NCU03117	inosine-5'-monophosphate dehydrogenase IMD2	21.70	22.10	21.39	21.51	0.40	0.12	-0.31	-0.59	0.38	-0.01	-0.59	-0.98	2.97	-0.45
NCU01528	glyceraldehyde-3-phosphate dehydrogenase-1	26.81	26.82	26.49	26.44	0.01	-0.05	-0.32	-0.38	-0.01	-0.18	-0.60	-0.77	5.48	-0.35
NCU07458	N-acetylglucosamine-phosphate mutase	21.65	21.92	21.33	21.28	0.27	-0.05	-0.32	-0.64	0.25	-0.18	-0.60	-1.03	3.84	-0.48
NCU06251	KH domain RNA-binding protein	19.87	20.10	19.54	19.23	0.23	-0.31	-0.33	-0.87	0.21	-0.44	-0.61	-1.26	2.87	-0.60
NCU10042	emdden-meyerhof pathway-7	26.81	26.75	26.44	26.33	-0.06	-0.11	-0.37	-0.42	-0.08	-0.24	-0.65	-0.81	4.15	-0.40
NCU02357	importin subunit beta-3	19.79	19.92	19.41	19.79	0.13	0.38	-0.38	-0.13	0.11	0.25	-0.66	-0.52	3.01	-0.26
NCU03488	pyrimidine-4	22.08	21.90	21.70	21.89	-0.18	0.19	-0.38	-0.01	-0.20	0.06	-0.66	-0.40	3.72	-0.19
NCU02726	ethanolamine kinase	18.43	18.55	18.03	17.84	0.12	-0.19	-0.40	-0.71	0.10	-0.32	-0.68	-1.10	3.86	-0.56
NCU06550	pyridoxine 1	23.84	23.89	23.44	23.63	0.05	0.19	-0.40	-0.26	0.03	0.06	-0.68	-0.65	13.07	-0.33
NCU00489	cytoplasmic ribosomal protein-10	23.31	23.21	22.90	23.16	-0.10	0.26	-0.41	-0.05	-0.12	0.13	-0.69	-0.44	4.61	-0.23
NCU08963	60S ribosomal protein L30	20.48	20.47	20.07	19.84	-0.01	-0.23	-0.41	-0.63	-0.03	-0.36	-0.69	-1.02	3.43	-0.52
NCU02513	YieF domain-containing protein	19.18	18.95	18.76	18.73	-0.23	-0.03	-0.42	-0.22	-0.25	-0.16	-0.70	-0.61	3.16	-0.32
NCU05498	hypothetical protein	20.52	20.80	20.08	20.16	0.28	0.08	-0.44	-0.64	0.26	-0.05	-0.72	-1.03	4.67	-0.54
NCU08620	40S ribosomal protein S16	22.18	22.49	21.73	21.88	0.31	0.15	-0.45	-0.61	0.29	0.02	-0.73	-1.00	4.18	-0.53
NCU02404	RNP domain-containing protein	19.13	19.31	18.67	18.53	0.18	-0.14	-0.46	-0.78	0.16	-0.27	-0.74	-1.17	4.40	-0.62
NCU06440	proteosome catalytic alpha-4	19.26	19.28	18.80	18.61	0.02	-0.19	-0.46	-0.67	0.00	-0.32	-0.74	-1.06	4.06	-0.57
NCU06346	hypothetical protein	20.84	20.77	20.34	20.40	-0.07	0.06	-0.50	-0.37	-0.09	-0.07	-0.78	-0.76	9.94	-0.44
NCU10020	methionine synthase	19.56	19.67	19.05	19.19	0.11	0.14	-0.51	-0.48	0.09	0.01	-0.79	-0.87	12.33	-0.49
NCU07830	cytoplasmic ribosomal protein-2	22.31	22.59	21.78	22.14	0.28	0.36	-0.53	-0.45	0.26	0.23	-0.81	-0.84	3.30	-0.49
NCU00177	phosphoribosylformylglycinamide cyclo-ligase	22.78	22.55	22.25	22.48	-0.23	0.23	-0.53	-0.07	-0.25	0.10	-0.81	-0.46	3.47	-0.30
NCU00397	hypothetical protein	18.94	19.13	18.41	18.83	0.19	0.42	-0.53	-0.30	0.17	0.29	-0.81	-0.69	3.11	-0.42
NCU02325	guanine-3	22.66	22.69	22.13	22.32	0.03	0.19	-0.53	-0.37	0.01	0.06	-0.81	-0.76	17.13	-0.45
NCU05129	tryptophan-2	19.27	19.66	18.74	19.01	0.39	0.27	-0.53	-0.65	0.37	0.14	-0.81	-1.04	3.28	-0.59
NCU01669	putative arginine methyltransferase-3	17.29	17.59	16.74	16.75	0.30	0.01	-0.55	-0.84	0.28	-0.12	-0.83	-1.23	4.82	-0.70
NCU03806	cloheximide resistant-2	22.34	22.27	21.79	22.12	-0.07	0.33	-0.55	-0.15	-0.09	0.20	-0.83	-0.54	4.47	-0.35
NCU03757	60S ribosomal protein L4-A	23.90	23.81	23.34	23.58	-0.09	0.24	-0.56	-0.23	-0.11	0.11	-0.84	-0.62	6.71	-0.40
NCU07308	chain elongation-1	23.08	23.04	22.52	22.64	-0.04	0.12	-0.56	-0.40	-0.06	-0.01	-0.84	-0.79	20.34	-0.48
NCU06301	hypothetical protein	19.48	19.49	18.91	19.32	0.01	0.41	-0.57	-0.17	-0.01	0.28	-0.85	-0.56	3.58	-0.37
NCU02103	DNA-directed RNA polymerase II largest subunit	18.36	18.27	17.77	17.90	-0.09	0.13	-0.59	-0.37	-0.11	0.00	-0.87	-0.76	10.85	-0.48
NCU02829	Sec53-like	21.63	21.51	21.00	21.21	-0.12	0.21	-0.63	-0.30	-0.14	0.08	-0.91	-0.69	7.14	-0.47
NCU10007	acetate utilization-9	18.91	19.20	18.28	18.59	0.29	0.31	-0.63	-0.61	0.27	0.18	-0.91	-1.00	4.09	-0.62
NCU04385	leucine-2	22.48	22.67	21.84	21.85	0.19	0.01	-0.64	-0.82	0.17	-0.12	-0.92	-1.21	7.23	-0.73
NCU04411	tryptophan-4	17.87	18.07	17.23	17.32	0.20	0.09	-0.64	-0.75	0.18	-0.04	-0.92	-1.14	7.78	-0.70
NCU07826	40S ribosomal protein S19	21.80	22.03	21.16	21.20	0.23	0.04	-0.64	-0.83	0.21	-0.09	-0.92	-1.22	6.59	-0.74
NCU09475	40s ribosomal protein s5	22.82	22.80	22.18	22.48	-0.02	0.30	-0.64	-0.32	-0.04	0.17	-0.92	-0.71	6.55	-0.48
NCU08685	phosphoribosylformylglycinamide synthase	21.81	22.00	21.13	20.82	0.19	-0.31	-0.68	-1.18	0.17	-0.44	-0.96	-1.57	3.90	-0.93
NCU16368	hypothetical protein	17.35	17.01	16.67	16.58	-0.34	-0.09	-0.68	-0.43	-0.36	-0.22	-0.96	-0.82	3.02	-0.56
NCU07307	chain elongation-2	23.26	23.34	22.58	22.91	0.08	0.33	-0.68	-0.43	0.06	0.20	-0.96	-0.82	5.91	-0.56
NCU01195	amination-deficient	26.11	26.25	25.42	25.33	0.14	-0.09	-0.69							



NCU01754	alcohol dehydrogenase-1	24.02	24.10	23.13	22.69	0.08	-0.44	-0.89	-1.41	0.06	-0.57	-1.17	-1.80	3.75	-1.15
NCU03425	threonine synthase	22.42	22.38	21.52	21.55	-0.04	0.03	-0.90	-0.83	-0.06	-0.10	-1.18	-1.22	15.11	-0.87
NCU08502	40S ribosomal protein S6	22.67	22.70	21.77	22.30	0.03	0.53	-0.90	-0.40	0.01	0.40	-1.18	-0.79	3.51	-0.65
NCU09896	adenyl-lyl-sulfate kinase	21.41	21.15	20.48	20.50	-0.26	0.02	-0.93	-0.65	-0.28	-0.11	-1.21	-1.04	5.37	-0.79
NCU01985	cysteine-11	24.26	23.93	23.32	23.63	-0.33	0.31	-0.94	-0.30	-0.35	0.18	-1.22	-0.69	3.57	-0.62
NCU08998	4-aminobutyrate aminotransferase	19.46	19.10	18.52	18.82	-0.36	0.30	-0.94	-0.28	-0.38	0.17	-1.22	-0.67	3.35	-0.61
NCU11356	phenazine biosynthesis PhzC/PhzF protein	19.91	20.20	18.96	19.40	0.29	0.44	-0.95	-0.80	0.27	0.31	-1.23	-1.19	4.10	-0.88
NCU07930	cysteine-18	25.49	25.16	24.52	24.32	-0.33	-0.20	-0.97	-0.84	-0.35	-0.33	-1.25	-1.23	3.67	-0.90
NCU06110	thiazole biosynthetic enzyme	26.40	27.05	25.40	25.19	0.65	-0.21	-1.00	-1.86	0.63	-0.34	-1.28	-2.25	3.60	-1.43
NCU09789	adenine-8	21.33	21.36	20.33	20.97	0.03	0.64	-1.00	-0.39	0.01	0.51	-1.28	-0.78	2.91	-0.70
NCU07719	isopentenyl-diphosphate delta-isomerase	20.03	20.29	18.99	19.49	0.26	0.50	-1.04	-0.80	0.24	0.37	-1.32	-1.19	3.98	-0.92
NCU01632	aromatic-1 gene cluster	22.81	22.91	21.75	22.11	0.10	0.36	-1.06	-0.80	0.08	0.23	-1.34	-1.19	7.22	-0.93
NCU07467	hypothetical protein	18.67	18.67	17.61	17.81	0.00	0.20	-1.06	-0.86	-0.02	0.07	-1.34	-1.25	24.45	-0.96
NCU03897	RNA binding effector protein Scp160	18.10	18.46	17.03	17.44	0.36	0.41	-1.07	-1.02	0.34	0.28	-1.35	-1.41	4.37	-1.05
NCU08859	hypothetical protein	16.67	17.22	15.60	15.62	0.55	0.02	-1.07	-1.60	0.53	-0.11	-1.35	-1.99	4.41	-1.34
NCU02571	acetyl-CoA acetyltransferase	22.84	23.54	21.76	22.20	0.70	0.44	-1.08	-1.34	0.68	0.31	-1.36	-1.73	2.92	-1.21
NCU06512	methionine-8	27.15	27.13	26.06	26.07	-0.02	0.01	-1.09	-1.06	-0.04	-0.12	-1.37	-1.45	16.26	-1.08
NCU02533	DNA-directed RNA polymerase I and III polypeptide	16.39	16.67	15.29	14.99	0.28	-0.30	-1.10	-1.68	0.26	-0.43	-1.38	-2.07	4.95	-1.39
NCU09345	no message in thiamine-1	26.91	27.09	25.79	25.83	0.18	0.04	-1.12	-1.26	0.16	-0.09	-1.40	-1.65	11.63	-1.19
NCU01300	imidazoleglycerol-phosphate dehydratase	18.82	19.00	17.69	18.18	0.18	0.49	-1.13	-0.82	0.16	0.36	-1.41	-1.21	4.65	-0.98
NCU05620	proteasome activator subunit 4	16.74	16.21	15.61	15.87	-0.53	0.26	-1.13	-0.34	-0.55	0.13	-1.41	-0.73	2.82	-0.74
NCU00396	pre-mRNA-splicing factor rse-1	17.33	17.09	16.18	15.52	-0.24	-0.66	-1.15	-1.57	-0.26	-0.79	-1.43	-1.96	2.93	-1.36
NCU04292	branched-chain-amino-acid aminotransferase	20.40	20.64	19.25	19.64	0.24	0.39	-1.15	-1.00	0.22	0.26	-1.43	-1.39	5.76	-1.08
NCU00635	nascent polypeptide-associated complex subunit alpha	20.90	20.75	19.72	19.98	-0.15	0.26	-1.18	-0.77	-0.17	0.13	-1.46	-1.16	8.74	-0.98
NCU06417	uracil-5-carboxylate decarboxylase	19.10	18.94	17.92	18.34	-0.16	0.42	-1.18	-0.60	-0.18	0.29	-1.46	-0.99	5.15	-0.89
NCU03973	alanine	19.08	19.47	17.89	18.07	0.39	0.18	-1.19	-1.40	0.37	0.05	-1.47	-1.79	6.12	-1.30
NCU11381	diphosphomevalonate decarboxylase	20.11	20.10	18.90	19.29	-0.01	0.39	-1.21	-0.81	-0.03	0.26	-1.49	-1.20	7.22	-1.01
NCU04799	polyadenylate-binding protein	22.08	21.92	20.85	21.26	-0.16	0.41	-1.23	-0.66	-0.18	0.28	-1.51	-1.05	5.50	-0.94
NCU06459	differentiation regulator	16.11	15.62	14.88	15.10	-0.49	0.22	-1.23	-0.52	-0.51	0.09	-1.51	-0.91	3.42	-0.87
NCU08295	RNA-binding La domain-containing protein	18.29	18.35	17.03	17.34	0.06	0.31	-1.26	-1.01	0.04	0.18	-1.54	-1.40	11.03	-1.14
NCU04640	eukaryotic translation initiation factor 2 beta subunit	19.42	19.78	18.15	18.53	0.36	0.38	-1.27	-1.25	0.34	0.25	-1.55	-1.64	5.27	-1.26
NCU01550	adenylate kinase cytosolic	18.04	18.07	16.71	17.34	0.03	0.63	-1.33	-0.73	0.01	0.50	-1.61	-1.12	3.89	-1.03
NCU08216	cystathionine beta-synthase	21.57	21.25	20.24	20.28	-0.32	0.04	-1.33	-0.97	-0.34	-0.09	-1.61	-1.36	6.06	-1.15
NCU04611	transcription elongation factor spt-6	16.97	17.69	15.63	14.79	0.72	-0.84	-1.34	-2.90	0.70	-0.97	-1.62	-3.29	3.06	-2.12
NCU05485	casein kinase II regulatory beta subunit-1	17.74	17.37	16.35	16.94	-0.37	0.59	-1.39	-0.43	-0.39	0.46	-1.67	-0.82	3.08	-0.91
NCU00692	chaperone dnaK	19.78	19.42	18.39	19.05	-0.36	0.66	-1.39	-0.37	-0.38	0.53	-1.67	-0.76	2.81	-0.88
NCU01571	hypothetical protein	16.01	15.64	14.57	15.09	-0.37	0.52	-1.44	-0.55	-0.39	0.39	-1.72	-0.94	3.55	-1.00
NCU08269	pyridoxine-4	18.72	19.03	17.27	17.98	0.31	0.71	-1.45	-1.05	0.29	0.58	-1.73	-1.44	3.44	-1.25
NCU07267	blue light-induced-3	18.90	18.24	17.37	16.95	-0.66	-0.42	-1.53	-1.29	-0.68	-0.55	-1.81	-1.68	2.83	-1.41
NCU02810	eukaryotic translation initiation factor 2 gamma subunit	20.55	20.83	18.98	19.81	0.28	0.83	-1.57	-1.02	0.26	0.70	-1.85	-1.41	3.09	-1.30
NCU02435	histone H2B	19.96	20.35	18.38	18.30	0.39	-0.08	-1.58	-2.05	0.37	-0.21	-1.86	-2.44	7.17	-1.82
NCU06603	ThiJ/PfpI family protein	21.05	20.64	19.46	19.51	-0.41	0.05	-1.59	-1.13	-0.43	-0.08	-1.87	-1.52	5.56	-1.36
NCU05305	DNA-directed RNA polymerase II polypeptide	16.17	16.28	14.49	15.31	0.11	0.82	-1.68	-0.97	0.09	0.69	-1.86	-1.36	3.40	-1.33
NCU08183	hypothetical protein	18.33	18.93	16.64	16.94	0.60	0.30	-1.69	-1.99	0.58	0.17	-1.97	-2.38	5.06	-1.84
NCU03194	phosphoribosylaminoimidazole carboxylase	21.34	21.07	19.63	20.41	-0.27	0.78	-1.71	-0.66	-0.29	0.65	-1.99	-1.05	3.15	-1.19
NCU07936	NMDA receptor-regulated protein 1	18.93	18.97	17.13	17.29	0.04	0.16	-1.80	-1.68	0.02	0.03	-2.08	-2.07	71.79	-1.74
NCU07774	GTP cyclohydrolase-1	17.33	17.27	15.52	15.21	-0.06	-0.31	-1.81	-2.06	-0.08	-0.44	-2.09	-2.45	7.25	-1.94
NCU02688	ubiquitin-conjugating enzyme E2Z	15.06	14.88	13.22	13.66	-0.18	0.44	-1.84	-1.22	-0.20	0.31	-2.12	-1.61	7.19	-1.53
NCU01428	hydroxysourate hydrolase	18.66	18.58	16.79	17.00	-0.08	0.21	-1.87	-1.58	-0.10	0.08	-2.15	-1.97	22.94	-1.73
NCU01652	O-acetylhomoserine	21.10	20.80	19.21	19.26	-0.30	0.05	-1.89	-1.54	-0.32	-0.08	-2.17	-1.93	8.91	-1.72
NCU09132	tubulin alpha-1	20.89	20.20	19.00	19.22	-0.69	0.22	-1.89	-0.98	-0.71	0.09	-2.17	-1.37	3.60	-1.44
NCU05512	copper resistance protein Crd2	19.52	20.05	17.60	18.13	0.53	0.53	-1.92	-1.92	0.51	0.40	-2.20	-2.31	4.88	-1.92
NCU05974	cell wall glucanoyltransferase Mwg1	20.14	20.74	18.06	17.56	0.60	-0.50	-2.08	-3.18	0.58	-0.63	-2.36	-3.57	4.99	-2.63
NCU04187	cap binding protein	17.32	16.97	15.23	15.22	-0.35	-0.01	-2.09	-1.75	-0.37	-0.14	-2.37	-2.14	8.16	-1.92
NCU09873	acetate utilization-6	21.33	21.67	19.19	19.96	0.34	0.77	-2.14	-1.71	0.32	0.64	-2.42	-2.10	4.44	-1.93
NCU01438	nucleosome assembly factor-1	22.52	22.38	20.38	21.38	-0.14	1.00	-2.14	-1.00	-0.16	0.87	-2.42	-1.39	3.14	-1.57
NCU07192	hypothetical protein	17.87	17.77	15.72	15.40	-0.10	-0.32	-2.15	-2.37	-0.12	-0.45	-2.43	-2.76	7.95	-2.26
NCU09821	oxidoreductase	17.87	17.56	15.71	16.46	-0.31	0.75	-2.16	-1.10	-0.33	0.62	-2.44	-1.49	4.06	-1.63
NCU07437	eukaryotic translation initiation factor 1A	18.48	18.21	16.27	16.62	-0.27	0.35	-2.21	-1.59	-0.29	0.22	-2.49	-1.98	8.76	-1.90
NCU08767	serine/threonine protein kinase-52	15.62	14.61	13.16	13.38	-1.01	0.22	-2.46	-1.23	-1.03	0.09	-2.74	-1.62	3.08	-1.85
NCU01638	DNA-directed RNA polymerase I subunit RPA1	17.48	16.66	14.88	15.50	-0.82	0.62	-2.60	-1.16	-0.84	0.49	-2.88	-1.55	3.36	-1.88
NCU04720	nitrate nonutilizer-6	19.74	19.77	16.21	13.92	0.03	-2.29	-3.53	-5.85	0.01	-2.42	-3.81	-6.24	3.02	-4.69
NCU11027	zinc metalloprotease	19.83	19.38	16.29	17.59	0.45	1.30	-3.54	-1.79	-0.47	1.17	-3.82	-2.18	3.48	-2.67
NCU07117	ornithine-N5-oxygenase	19.22	19.85	15.49	15.16	-0.63	-0.33	-3.73	-4.69	0.61	-0.46	-4.01	-5.08	8.45	-4.21
NCU02684	chromatin remodelling factor 4-3	20.05	20.10	15.96	17.90	0.05	1.94	-4.09	-2.20	0.03	1.81	-4.37	-2.59	2.80	-3.15
NCU02668	cell wall synthesis protein-Penicillium chrysogenum	18.10	18.09	12.58	13.11	-0.01	0.53	-5.52	-4.98	-0.03	0.40	-5.80	-5.37	19.56	-5.25
NCU00792	branched-chain-amino-acid aminotransferase	21.55	21.21	20.76	21.11	-0.34	0.35	-0.79	-0.10	-0.36	0.22	-1.07	-0.49	2.79	
NCU06211	tricarboxylic acid-16	22.44	22.64	23.24	23.27	0.20	0.03	0.80	0.63	0.18	-0.10	0.52	0.24	2.78	
NCU06052	DnaJ domain-containing protein	14.28	13.45	16.50	16.00	-0.83	-0.50	2.22	2.55	-0.85	-0.63	1.94	2.16	2.76	
NCU03904	hypothetical protein	14.17	15.36	17.30	18.05	1.19	0.75	3.13	2.69	1.17	0.62	2.85	2.30	2.76	
NCU16466	nucleic acid-binding protein	15.92	16.28	17.63	18.54	0.36	0.91	1.71	2.26	0.34	0.78	1.43	1.87	2.76	
NCU05292	DNA damage-inducible protein 1	16.35	15.78	17.37	17.70	-0.57	0.33	1.02	1.92	-0.59	0.20	0.74	1.53	2.75	
NCU02387	nuclear import and export protein Msn5	14.42	15.20	16.71	17.50	0.78	0.79	2.29	2.30	0.76	0.66	2.01	1.91	2.75	
NCU06785	ATP-citrate synthase subunit 1	23.22	23.06	23.72	23.93	-0.16	0.21	0.50	0.87	-0.18	0.08	0.22	0.48	2.74	
NCU00714	heat shock protein STI1	19.29	19.73	20.56	20.83	0.44	0.27	1.27	1.10	0.42	0.14	0.99	0.71	2.73	
NCU04923	glycerol dehydrogenase-1	20.97	21.43	20.66	20.75	0.46	0.09	-0.31	-0.68	0.44	-0.04	-0.59	-1.07	2.73	
NCU08888	phenylalanyl-tRNA synthetase subunit beta	22.70	22.49	22.											

NCU05429	1,4-alpha-glucan branching enzyme	21.57	21.75	21.33	21.00	0.18	-0.33	-0.24	-0.75	0.16	-0.46	-0.52	-1.14	2.57
NCU10468	arginine-4	17.01	17.06	18.50	18.09	0.05	-0.41	1.49	1.03	0.03	-0.54	1.21	0.64	2.55
NCU08500	40S ribosomal protein S8	22.69	21.92	21.20	21.42	-0.77	0.32	-1.59	-0.50	-0.79	0.19	-1.87	-0.89	2.55
NCU02374	regulatory particle, non-ATPase-like-9	18.33	18.36	19.23	19.08	0.03	-0.15	0.90	0.72	0.01	-0.28	0.62	0.33	2.55
NCU00554	homoserine-1	22.32	22.57	22.20	21.99	0.25	-0.21	-0.12	-0.58	0.23	-0.34	-0.40	-0.97	2.55
NCU03290	dipeptidyl peptidase	19.58	19.93	19.06	19.49	0.35	0.43	-0.52	-0.44	0.33	0.30	-0.80	-0.83	2.55
NCU05516	biotin apo-protein ligase	17.08	17.28	16.01	16.75	0.20	0.74	-1.07	-0.53	0.18	0.61	-1.35	-0.92	2.54
NCU00935	hypothetical protein	21.82	22.03	21.19	20.51	0.21	-0.68	-0.63	-1.52	0.19	-0.81	-0.91	-1.91	2.54
NCU02629	adenine-5	22.83	23.32	22.53	22.65	0.49	0.12	-0.30	-0.67	0.47	-0.01	-0.58	-1.06	2.54
NCU02538	coatomer zeta subunit	17.18	16.92	17.84	18.27	-0.26	0.43	0.66	1.35	-0.28	0.30	0.38	0.96	2.53
NCU00742	glycerol-3-phosphate dehydrogenase	18.93	18.59	18.26	17.97	-0.34	-0.29	-0.67	-0.62	-0.36	-0.42	-0.95	-1.01	2.52
NCU04054	Benomyl resistant	22.24	22.07	19.00	20.68	-0.17	1.68	-3.24	-1.39	-0.19	1.55	-3.52	-1.78	2.52
NCU07738	hypothetical protein	16.16	16.14	17.83	17.32	-0.02	-0.51	1.67	1.18	-0.04	-0.64	1.39	0.79	2.51
NCU01446	uracil phosphoribosyltransferase	19.02	18.99	20.05	19.83	-0.03	-0.22	1.03	0.84	-0.05	-0.35	0.75	0.45	2.51
NCU03102	40S ribosomal protein S11	22.15	22.49	22.04	22.16	0.34	0.12	-0.11	-0.33	0.32	-0.01	-0.39	-0.72	2.51
NCU00457	translation initiation factor 4B	17.62	17.49	16.51	17.23	-0.13	0.72	-1.11	-0.26	-0.15	0.59	-1.39	-0.65	2.50
NCU07926	glutamyl-tRNA synthetase	20.39	20.63	20.27	20.04	0.24	-0.23	-0.12	-0.59	0.22	-0.36	-0.40	-0.98	2.50
NCU05999	CaaX farnesyltransferase beta subunit Ram1	14.71	14.99	15.57	15.83	0.28	0.26	0.86	0.84	0.26	0.13	0.58	0.45	2.50
NCU05363	26S protease regulatory subunit 8	18.38	18.08	19.07	19.15	-0.30	0.08	0.69	1.07	-0.32	-0.05	0.41	0.68	2.50
NCU11292	hypothetical protein	16.73	15.39	19.31	18.75	-1.34	-0.56	2.58	3.36	-1.36	-0.69	2.30	2.97	2.47
NCU02744	60S ribosomal protein L9	21.12	21.38	21.01	21.24	0.26	0.23	-0.11	-0.14	0.24	0.10	-0.39	-0.53	2.47
NCU08374	hypothetical protein	13.42	14.33	16.18	15.69	0.91	-0.49	2.76	1.36	0.89	-0.62	2.48	0.97	2.46
NCU04317	DUF431 domain-containing protein	16.92	16.93	18.42	17.98	0.01	-0.44	1.50	1.05	-0.01	-0.57	1.22	0.66	2.45
NCU01283	hypothetical protein	18.83	19.33	18.22	17.50	0.50	-0.72	-0.61	-1.83	0.48	-0.85	-0.89	-2.22	2.45
NCU06310	exopolyphosphatase	15.75	15.05	14.23	14.70	-0.70	0.47	-1.52	-0.35	-0.72	0.34	-1.80	-0.74	2.45
NCU04843	hypothetical protein	19.77	19.91	18.61	17.43	0.14	-1.18	-1.16	-2.48	0.12	-1.31	-1.44	-2.87	2.44
NCU06914	histidyl-tRNA synthetase	20.59	20.30	19.20	20.00	-0.29	0.80	-1.39	-0.30	-0.31	0.67	-1.67	-0.69	2.44
NCU10029	peptide methionine sulfoxide reductase msrA	17.13	17.49	16.98	17.15	0.36	0.17	-0.15	-0.34	0.34	0.04	-0.43	-0.73	2.43
NCU00573	hypothetical protein	16.19	16.62	18.26	17.71	0.43	-0.55	2.07	1.09	0.41	-0.68	1.79	0.70	2.43
NCU04410	tRNA ligase	18.56	18.71	14.46	16.65	0.15	2.19	-4.10	-2.06	0.13	2.06	-4.38	-2.45	2.43
NCU11195	D-isomer specific 2-hydroxyacid dehydrogenase	15.99	16.40	18.20	17.56	0.41	-0.64	2.21	1.16	0.39	-0.77	1.93	0.77	2.42
NCU05426	WD repeat protein	15.86	15.17	14.59	14.25	-0.69	-0.34	-1.27	-0.92	-0.71	-0.47	-1.55	-1.31	2.39
NCU06717	arsenical pump-driving ATPase	17.11	16.80	17.73	18.11	-0.31	0.38	0.62	1.31	-0.33	0.25	0.34	0.92	2.39
NCU03992	fimbrin	17.75	16.94	19.86	19.24	-0.81	-0.62	2.11	2.30	-0.83	-0.75	1.83	1.91	2.38
NCU08280	squalene epoxidase	14.23	14.08	13.39	14.00	-0.15	0.61	-0.84	-0.08	-0.17	0.48	-1.12	-0.47	2.37
NCU04331	cytoplasmic ribosomal protein-4	22.48	23.21	22.07	21.94	0.73	-0.13	-0.41	-1.27	0.71	-0.26	-0.69	-1.66	2.36
NCU06945	hypothetical protein	16.40	17.05	18.95	18.27	0.65	-0.68	2.55	1.22	0.63	-0.81	2.27	0.83	2.36
NCU05525	DUF833 domain-containing protein	17.49	16.64	15.93	15.56	-0.85	-0.37	-1.56	-1.08	-0.87	-0.50	-1.84	-1.47	2.35
NCU01317	60S ribosomal protein L12	21.21	20.81	20.62	20.74	-0.40	0.12	-0.59	-0.07	-0.42	-0.01	-0.87	-0.46	2.35
NCU01965	cytochrome-20	21.93	22.48	21.69	21.67	0.55	-0.02	-0.24	-0.81	0.53	-0.15	-0.52	-1.20	2.35
NCU03368	hypothetical protein	18.14	18.00	17.91	17.71	-0.14	-0.20	-0.23	-0.29	-0.16	-0.33	-0.51	-0.68	2.33
NCU00537	hypothetical protein	14.44	14.47	15.50	15.25	0.03	-0.25	1.06	0.78	0.01	-0.38	0.78	0.39	2.32
NCU08499	GTPase-activating protein GYP5	14.63	15.64	17.38	16.95	1.01	-0.43	2.75	1.31	0.99	-0.56	2.47	0.92	2.32
NCU02380	threonyl-tRNA synthetase	20.00	19.69	20.58	20.90	-0.31	0.32	0.58	1.21	-0.33	0.19	0.30	0.82	2.32
NCU01784	pseudouridylate synthase 3	13.43	13.82	14.77	15.54	0.39	0.77	1.34	1.72	0.37	0.64	1.06	1.33	2.29
NCU11288	xaa-Pro dipeptidase	18.61	18.77	18.75	18.77	0.16	0.02	0.14	0.00	0.14	-0.11	-0.14	-0.39	2.29
NCU09817	aromatic-7	19.41	19.07	20.27	21.05	-0.34	0.78	0.86	1.98	-0.36	0.65	0.58	1.59	2.28
NCU00122	aspartyl aminopeptidase	18.75	18.31	19.69	20.55	-0.44	0.86	0.94	2.24	-0.46	0.73	0.66	1.85	2.28
NCU04104	chromosome segregation protein Cse1	18.98	19.35	20.28	20.09	0.37	-0.19	1.30	0.74	0.35	-0.32	1.02	0.35	2.28
NCU11353	D-xylulose kinase	17.28	16.18	14.50	15.51	-1.10	1.01	-2.78	-0.67	-1.12	0.88	-3.06	-1.06	2.27
NCU04647	actin binding protein	15.33	14.71	14.29	14.49	-0.62	0.20	-1.04	-0.22	-0.64	0.07	-1.32	-0.61	2.26
NCU04635	hypothetical protein	16.02	16.47	15.39	14.47	0.45	-0.92	-0.63	-2.00	0.43	-1.05	-0.91	-2.39	2.25
NCU08923	zinc knuckle domain-containing protein	14.57	14.17	18.25	16.65	-0.40	-1.60	3.68	2.48	-0.42	-1.73	3.40	2.09	2.25
NCU03023	phenol 2-monooxygenase	19.42	19.79	19.33	19.09	0.37	-0.24	-0.09	-0.70	0.35	-0.37	-0.37	-1.09	2.25
NCU01175	farnesyl-pyrophosphate synthetase	22.36	22.75	22.18	22.40	0.39	0.22	-0.18	-0.35	0.37	0.09	-0.46	-0.74	2.25
NCU08022	pol	15.02	14.96	15.81	16.49	-0.06	0.68	0.79	1.53	-0.08	0.55	0.51	1.14	2.25
NCU00843	adenine-9	20.60	21.40	20.01	20.24	0.80	0.23	-0.59	-1.16	0.78	0.10	-0.87	-1.55	2.24
NCU06149	ATP-dependent RNA helicase dhh-1	14.79	15.92	17.35	17.35	1.13	0.00	2.56	1.43	1.11	-0.13	2.28	1.04	2.24
NCU03258	oxysterol-binding protein	16.88	15.79	18.72	18.37	-1.09	-0.35	1.84	2.58	-1.11	-0.48	1.56	2.19	2.24
NCU06448	enoyl-CoA hydratase	14.88	15.11	17.29	16.40	0.23	-0.89	2.41	1.29	0.21	-1.02	2.13	0.90	2.23
NCU02905	60S ribosomal protein L23	19.48	19.85	20.45	20.63	0.37	0.18	0.97	0.78	0.35	0.05	0.69	0.39	2.23
NCU03565	ribosomal protein L26	20.97	20.88	19.52	20.49	-0.09	0.97	-1.45	-0.39	-0.11	0.84	-1.73	-0.78	2.23
NCU00823	regulatory particle, non-ATPase-like-11	17.27	16.64	18.75	18.38	-0.63	-0.37	1.48	1.74	-0.65	-0.50	1.20	1.35	2.22
NCU06397	profilin	21.54	21.83	21.52	21.68	0.29	0.16	-0.02	-0.15	0.27	0.03	-0.30	-0.54	2.22
NCU07156	histidine-6	20.41	20.69	20.41	20.56	0.28	0.15	0.00	-0.13	0.26	0.02	-0.28	-0.52	2.21
NCU08959	hypothetical protein	16.63	15.80	17.60	18.09	-0.83	0.49	0.97	2.29	-0.85	0.36	0.69	1.90	2.20
NCU08550	hypothetical protein	18.49	18.03	17.62	17.12	-0.46	-0.50	-0.87	-0.91	-0.48	-0.63	-1.15	-1.30	2.20
NCU16651	dihydrofolate reductase	15.77	15.10	14.72	14.61	-0.67	-0.11	-1.05	-0.49	-0.69	-0.24	-1.33	-0.88	2.19
NCU04370	ubiquitin-activating enzyme E1 1	20.54	20.54	21.32	21.98	0.00	0.66	0.78	1.44	-0.02	0.53	0.50	1.05	2.19
NCU07700	colonial temperature-sensitive-3	23.35	22.83	24.57	24.31	-0.52	-0.26	1.22	1.48	-0.54	-0.39	0.94	1.09	2.18
NCU05683	dihydroxy-acid dehydratase	15.94	16.49	15.27	14.22	0.55	-1.05	-0.67	-2.27	0.53	-1.18	-0.95	-2.66	2.18
NCU08409	tryptophan-3	19.81	19.56	20.41	20.93	-0.25	0.52	0.60	1.37	-0.27	0.39	0.32	0.98	2.18
NCU07697	tricarboxylic acid-4	18.63	19.06	20.79	20.10	0.43	-0.69	2.16	1.04	0.41	-0.82	1.88	0.65	2.18
NCU09425	NdvB protein	15.60	15.76	16.41	16.96	0.16	0.55	0.81	1.20	0.14	0.42	0.53	0.81	2.18
NCU03982	glucose regulated protein 78	16.93	16.24	15.85	15.74	-0.69	-0.11	-1.08	-0.50	-0.71	-0.24	-1.36	-0.89	2.18
NCU10051	flavohemoglobin	24.48	24.40	24.52	24.51	-0.08	-0.01	0.04	0.11	-0.10	-0.14	-0.24	-0.28	2.18
NCU09468	tubulin alpha-2	21.49	21.06	18.21	20.04	-0.43	1.83	-3.28	-1.02	-0.45	1.70	-3.56	-1.41	2.17
NCU09285	menadione-induced gene-6	23.97	23.93	25.24	24.85	-0.04	-0.39	1.27	0.92	-0.06	-0.52	0.99	0.53	2.17
NCU04924	hypothetical protein similar to phosphatidyl synthase	19.98	20.17	19.38	18.48	0.19	-0.90	-0.60	-1.69	0.17	-1.03	-0.88	-2.08	2.16
NCU06666	inositol	24.38	24.63	24.44	24.56	0.25	0.12	0.06	-0.07	0.23	-0.01	-0.22	-0.46	2.16
NCU06307	multisynthetase complex auxiliary component p43	21.08	21.25	21.16	21.04	0.17	-0.12	0.08	-0.21	0.15	-0.25	-0.20	-0.60	2.16
NCU03038	40S ribosomal protein S13	22.08	21.86	21.26	21.87	-0.22	0.61	-0.82	0.01	-0.24	0.48	-1.10	-0.38	2.16
NCU07941	aspartate aminotransferase	19.53	19.56	19.47	19.23	0.03	-0							

NCU06678	exonuclease Kem1	16.13	15.43	16.91	17.57	-0.70	0.66	0.78	2.14	-0.72	0.53	0.50	1.75	2.04
NCU01419	quinone oxidoreductase	14.81	13.91	15.71	16.42	-0.90	0.71	0.90	2.51	-0.92	0.58	0.62	2.12	2.04
NCU07024	osmotic sensitive-2	18.30	17.63	19.46	19.27	-0.67	-0.19	1.16	1.64	-0.69	-0.32	0.88	1.25	2.03
NCU02797	UTP-glucose-1-phosphate uridylyltransferase	23.35	23.49	22.65	23.32	0.14	0.67	-0.70	-0.17	0.12	0.54	-0.98	-0.56	2.02
NCU00225	hypothetical protein	21.50	22.04	21.29	21.48	0.54	0.19	-0.21	-0.56	0.52	0.06	-0.49	-0.95	2.02
NCU07420	eIF4A	22.96	22.94	23.13	23.17	-0.02	0.04	0.17	0.23	-0.04	-0.09	-0.11	-0.16	2.01
NCU05274	eukaryotic initiation factor 5A	21.32	20.39	19.81	20.07	-0.93	0.26	-1.51	-0.32	-0.95	0.13	-1.79	-0.71	2.01
NCU08195	arginyl-tRNA synthetase	20.62	21.28	20.28	20.51	0.66	0.23	-0.34	-0.77	0.64	0.10	-0.62	-1.16	2.01
NCU07446	vacuolar membrane ATPase-4	18.09	17.24	19.08	19.21	-0.85	0.13	0.99	1.97	-0.87	0.00	0.71	1.58	2.01
NCU09239	proliferating cell nuclear antigen	18.56	19.28	18.06	18.41	0.72	0.35	-0.50	-0.87	0.70	0.22	-0.78	-1.26	2.00
NCU07853	uricase	21.14	21.39	20.90	20.26	0.25	-0.64	-0.24	-1.13	0.23	-0.77	-0.52	-1.52	2.00
NCU06416	thymine dioxygenase	19.03	19.02	17.28	14.95	-0.01	-2.33	-1.75	-4.07	-0.03	-2.46	-2.03	-4.46	1.99
NCU04414	regulatory particle, ATPase-like-5	19.15	18.70	19.98	19.92	-0.45	-0.06	0.83	1.22	-0.47	-0.19	0.55	0.83	1.99
NCU08931	merozoite capping protein-1	16.68	16.95	17.79	18.66	0.27	0.87	1.11	1.71	0.25	0.74	0.83	1.32	1.99
NCU09841	phosphotyrosine protein phosphatase	17.44	16.30	14.35	15.79	-1.14	1.44	-3.09	-0.51	-1.16	1.31	-3.37	-0.90	1.99
NCU00634	ribosomal protein L14	22.17	21.47	20.71	21.40	-0.70	0.69	-1.46	-0.07	-0.72	0.56	-1.74	-0.46	1.97
NCU07690	methylenetetrahydrofolate reductase 1	20.94	20.63	20.36	19.81	-0.31	-0.55	-0.58	-0.82	-0.33	-0.68	-0.86	-1.21	1.97
NCU03548	hypothetical protein	18.38	18.53	15.77	17.52	0.15	1.75	-2.61	-1.01	0.13	1.62	-2.89	-1.40	1.97
NCU00472	CDC37	17.78	17.34	16.91	17.43	-0.44	0.52	-0.87	0.09	-0.46	0.39	-1.15	-0.30	1.97
NCU01224	regulatory particle, ATPase-like-2	18.83	18.84	19.31	19.70	0.01	0.39	0.48	0.86	-0.01	0.26	0.20	0.47	1.96
NCU00018	cell division control protein Cdc48	23.22	23.11	23.27	23.40	-0.11	0.13	0.05	0.29	-0.13	0.00	-0.23	-0.10	1.95
NCU01759	menadione-induced gene-5	16.27	16.98	18.61	17.89	0.71	-0.72	2.34	0.91	0.69	-0.85	2.06	0.52	1.94
NCU07721	regulatory particle, non-ATPase-like-1	20.18	20.07	20.53	20.72	-0.11	0.19	0.35	0.65	-0.13	0.06	0.07	0.26	1.94
NCU05716	hypothetical protein	12.93	14.07	15.18	15.36	1.14	0.18	2.25	1.29	1.12	0.05	1.97	0.90	1.93
NCU06311	GMP synthase	18.36	18.60	15.94	17.62	0.24	1.68	-2.42	-0.98	0.22	1.55	-2.70	-1.37	1.93
NCU00187	menadione-induced gene-11	17.53	17.50	16.23	14.34	-0.03	-1.89	-1.30	-3.16	-0.05	-2.02	-1.58	-3.55	1.92
NCU02252	emdben-meyerhof pathway-6	22.75	24.85	24.72	24.38	0.10	-0.34	-0.03	-0.47	0.08	-0.47	-0.31	-0.86	1.92
NCU04460	galactose-1-phosphate uridylyltransferase	18.11	17.86	16.65	17.69	-0.25	1.04	-1.46	-0.17	-0.27	0.91	-1.74	-0.56	1.92
NCU00979	60S acidic ribosomal protein P2	21.77	21.06	20.75	20.93	-0.71	0.18	-1.02	-0.13	-0.73	0.05	-1.30	-0.52	1.92
NCU03635	60S ribosomal protein L38	20.12	19.88	19.51	20.04	-0.24	0.53	-0.61	0.16	-0.26	0.40	-0.89	-0.23	1.92
NCU00903	hypothetical protein	18.18	17.55	18.82	19.36	-0.63	0.54	0.64	1.81	-0.65	0.41	0.36	1.42	1.92
NCU07947	glycolipid transfer protein HET-C2	21.25	21.24	20.88	20.18	-0.01	-0.70	-0.37	-1.06	-0.03	-0.83	-0.65	-1.45	1.92
NCU02044	GTP-binding protein	21.42	21.72	19.80	21.03	0.30	1.23	-1.62	-0.69	0.28	1.10	-1.90	-1.08	1.91
NCU06191	glutathione synthetase large subunit	18.07	17.93	19.90	18.21	-0.14	0.31	-0.17	0.28	-0.16	0.18	-0.45	-0.11	1.91
NCU09600	dienelactone hydrolase	18.49	18.70	19.53	19.29	0.21	-0.24	1.04	0.59	0.19	-0.37	0.76	0.20	1.90
NCU02677	arginine-3	19.49	19.67	19.38	18.87	0.18	-0.51	-0.11	-0.80	0.16	-0.64	-0.39	-1.19	1.90
NCU06970	ribose-phosphate pyrophosphokinase II	17.16	17.22	17.09	17.42	0.06	0.33	-0.07	0.20	0.04	0.20	-0.35	-0.19	1.89
NCU04228	phytanoyl-CoA dioxygenase	15.47	16.75	17.91	18.56	1.28	0.65	2.44	1.81	1.26	0.52	2.16	1.42	1.89
NCU01949	unknown-16	22.35	22.18	21.20	22.10	-0.17	0.90	-1.15	-0.08	-0.19	0.77	-1.43	-0.47	1.89
NCU06712	proteasome catalytic alpha-6	18.63	18.42	18.52	18.62	-0.21	0.10	-0.11	0.20	-0.23	-0.03	-0.39	-0.19	1.88
NCU06108	UPF0135 protein	16.59	17.27	19.00	18.17	0.68	-0.83	2.41	0.90	0.66	-0.96	2.13	0.51	1.88
NCU06941	prefoldin subunit 6	16.30	15.51	14.79	15.47	-0.79	0.68	-1.51	-0.04	-0.81	0.55	-1.79	-0.43	1.88
NCU05800	zinc knuckle domain-containing protein	18.17	18.66	17.07	17.99	0.49	0.92	-1.10	-0.67	0.47	0.79	-1.38	-1.06	1.88
NCU03877	C-1-tetrahydrofolate synthase	18.99	19.18	20.28	19.87	0.19	-0.41	1.29	0.69	0.17	-0.54	1.01	0.30	1.87
NCU08332	hexagonal-1	18.60	18.57	19.62	19.31	-0.03	-0.31	1.02	0.74	-0.05	-0.44	0.74	0.35	1.87
NCU04511	bud site selection protein 7	17.42	17.01	18.05	18.12	-0.41	0.07	0.63	1.11	-0.43	-0.06	0.35	0.72	1.87
NCU02011	importin subunit beta-1	18.61	18.19	19.17	19.82	-0.42	0.65	0.56	1.63	-0.44	0.52	0.28	1.24	1.87
NCU07589	acetyltransferase	18.63	18.67	17.32	18.37	0.04	1.05	-1.31	-0.30	0.02	0.92	-1.59	-0.69	1.87
NCU00405	glycyl-tRNA synthetase 1	22.59	22.74	21.95	22.62	0.15	0.67	-0.64	-0.12	0.13	0.54	-0.92	-0.51	1.87
NCU04553	ubiquitin/cytoplasmic ribosomal protein-6	20.54	20.94	20.46	20.68	0.40	0.22	-0.08	-0.26	0.38	0.09	-0.36	-0.65	1.87
NCU09141	menadione-induced gene-9	18.71	18.31	19.34	19.40	-0.40	0.06	0.63	1.09	-0.42	-0.07	0.35	0.70	1.87
NCU02815	osmotic-1	16.05	15.69	19.03	17.55	-0.36	-1.48	2.98	1.86	-0.38	-1.61	2.70	1.47	1.87
NCU02208	unknown-10	21.47	21.13	21.04	21.09	-0.34	-0.05	-0.33	-0.04	-0.36	-0.18	-0.61	-0.43	1.86
NCU00963	methylenetetrahydrofolate dehydrogenase	20.39	20.39	18.51	19.89	0.00	1.38	-1.88	-0.50	-0.02	1.25	-0.16	-0.89	1.86
NCU08477	ypt-like-1	16.80	16.82	17.81	17.51	0.02	-0.30	1.01	0.69	0.00	-0.43	0.73	0.30	1.86
NCU01547	regulatory particle, non-ATPase-like-8	19.19	18.92	19.65	20.13	-0.27	0.48	0.46	1.21	-0.29	0.35	0.18	0.82	1.86
NCU03963	nicotinic acid-7	18.30	17.81	17.73	17.72	-0.49	-0.01	-0.57	-0.09	-0.51	-0.14	-0.85	-0.48	1.85
NCU04289	hypothetical protein	18.44	17.89	17.20	17.95	-0.55	0.75	-1.24	0.06	-0.57	0.62	-1.52	-0.33	1.84
NCU02639	arginine-1	23.34	23.81	23.39	23.29	0.47	-0.10	0.05	-0.52	0.45	-0.23	-0.23	-0.91	1.84
NCU08434	5-methyltetrahydropteroyltryglutamate-homocysteine methyltransferase	19.56	19.87	21.07	20.57	0.31	-0.50	1.51	0.70	0.29	-0.63	1.23	0.31	1.84
NCU00673	serine protease p2	20.05	19.60	19.55	19.50	-0.45	-0.05	-0.50	-0.10	-0.47	-0.18	-0.78	-0.49	1.84
NCU03935	homoserine dehydrogenase	21.48	21.83	21.58	21.39	0.35	-0.19	0.10	-0.44	0.33	-0.32	-0.18	-0.83	1.84
NCU00294	60S ribosomal protein L10a	22.13	21.60	20.77	21.63	-0.53	0.86	-1.36	0.03	-0.55	0.73	-1.64	-0.36	1.83
NCU08828	fatty acid oxidation-2	15.50	15.11	16.42	16.21	-0.39	-0.21	0.92	1.10	-0.41	-0.34	0.64	0.71	1.82
NCU02948	non-anchored cell wall protein-4	21.91	21.58	21.37	21.80	-0.33	0.43	-0.54	0.22	-0.35	0.30	-0.82	-0.17	1.81
NCU01468	translation initiation factor eIF-2B subunit delta	17.37	17.50	16.97	17.51	0.13	0.54	-0.40	0.01	0.11	0.41	-0.68	-0.38	1.81
NCU03575	isoleucyl-tRNA synthetase	22.45	22.68	22.12	22.61	0.23	0.49	-0.33	-0.07	0.21	0.36	-0.61	-0.46	1.80
NCU00520	oxidoreductase	20.59	20.45	14.64	18.47	-0.14	3.83	-5.95	-1.98	-0.16	3.70	-6.23	-2.37	1.80
NCU00043	protein phosphatase-3	19.21	19.55	17.77	18.95	0.34	1.18	-1.44	-0.60	0.32	1.05	-1.72	-0.99	1.80
NCU00618	40S ribosomal protein S27	19.75	20.11	19.57	19.92	0.36	0.35	-0.18	-0.19	0.34	0.22	-0.46	-0.58	1.79
NCU03399	hypothetical protein	15.79	16.02	17.11	18.55	0.23	1.44	1.32	2.53	0.21	1.31	1.04	2.14	1.79
NCU03911	F-actin-capping protein subunit alpha	16.95	18.02	15.99	16.67	1.07	0.68	-0.96	-1.35	1.05	0.55	-1.24	-1.74	1.79
NCU00106	proline-4	14.33	15.07	15.87	16.65	0.74	0.78	1.54	1.58	0.72	0.65	1.26	1.19	1.78
NCU08954	hypothetical protein	18.28	18.68	17.15	14.77	0.40	-2.38	-1.13	-3.91	0.38	-2.51	-1.41	-4.30	1.78
NCU07408	phosphoprotein P0	22.03	21.61	20.94	21.72	-0.42	0.78	-1.09	0.11	-0.44	0.65	-1.37	-0.28	1.78
NCU03781	CobW domain-containing protein	15.40	14.81	17.66	16.57	-0.59	-1.09	2.26	1.76	-0.61	-1.22	1.98	1.37	1.77
NCU01611	camitine acetyl transferase	14.50	15.49	14.04	14.30	0.99	0.26	-0.46	-1.19	0.97	0.13	-0.74	-1.58	1.77
NCU00236	flavoprotein oxygenase	13.88	14.18	14.90	15.78	0.30	0.88	1.02	1.60	0.28	0.75	0.74	1.21	1.77
NCU03634	hypothetical protein	15.90	17.15	18.59	18.06	1.25	-0.53	2.69	0.91	1.23	-0.66	2.41	0.52	1.77
NCU01234	eukaryotic initiation factor 4A-12	15.13	15.27	16.71	16.07	0.14	-0.64	1.58	0.80	0.12	-0.77	1.30	0.41	1.76
NCU11370	6-phosphogluconate dehydrogenase 2	17.47	17.68	18.25	18.89	0.21	0.64	0.78	1.21	0.19	0.51	0.50	0.82	1.76
NCU06940	hypothetical protein	16.10	14.66	17.47	17.39	-1.44	-0.08	1.37	2.73	-1.46	-0.21	1.09	2.34	1.76
NCU01121	hypothetical protein	17.07												

NCU07866	DEAD helicase superfamily protein	13.09	14.03	16.99	15.14	0.94	-1.85	3.90	1.11	0.92	-1.98	3.62	0.72	1.69
NCU05120	DNA-dependent RNA polymerase II RPB140	18.41	17.81	17.20	17.97	-0.60	0.77	-1.21	0.16	-0.62	0.64	-1.49	-0.23	1.69
NCU01429	serine-7	22.85	23.02	23.07	23.04	0.17	-0.03	0.22	0.02	0.15	-0.16	-0.06	-0.37	1.69
NCU09707	hypothetical protein	18.54	17.73	17.33	17.82	-0.81	0.49	-1.21	0.09	-0.83	0.36	-1.49	-0.30	1.68
NCU02746	vacuolar membrane ATPase-13	16.99	15.45	18.97	18.26	-1.54	-0.71	1.98	2.81	-1.56	-0.84	1.70	2.42	1.68
NCU06780	tRNA	14.75	15.28	16.12	17.31	0.53	1.19	1.37	2.03	0.51	1.06	1.09	1.64	1.67
NCU07887	ribonucleoside-diphosphate reductase small subunit	13.60	13.93	14.65	14.43	0.33	-0.22	1.05	0.50	0.31	-0.35	0.77	0.11	1.67
NCU08287	pyrimidine-3	22.49	22.68	22.70	22.60	0.19	-0.10	0.21	-0.08	0.17	-0.23	-0.07	-0.47	1.65
NCU01816	allantoinase-I	19.87	19.79	19.40	18.31	-0.08	-1.09	-0.47	-1.48	-0.10	-1.22	-0.75	-1.87	1.65
NCU03797	ubiquitin C-terminal hydrolase	16.14	16.52	17.23	18.23	0.38	1.00	1.09	1.71	0.36	0.87	0.81	1.32	1.64
NCU04315	dre-2	18.91	18.22	18.12	18.02	-0.69	-0.10	-0.79	-0.20	-0.71	-0.23	-1.07	-0.59	1.64
NCU06342	phospholipase D	18.90	17.59	16.56	17.61	-1.31	1.05	-2.34	0.02	-1.33	0.92	-2.62	-0.37	1.64
NCU07281	glucose-6-phosphate isomerase	23.56	23.84	23.64	23.83	0.28	0.19	0.08	-0.01	0.26	0.06	-0.20	-0.40	1.63
NCU05387	hydrolase	18.39	18.81	19.38	19.32	0.42	-0.06	0.99	0.51	0.40	-0.19	0.71	0.12	1.63
NCU03006	ergosterol-4	14.34	14.80	16.34	15.48	0.46	-0.86	2.00	0.68	0.44	-0.99	1.72	0.29	1.62
NCU04907	hypothetical protein	18.12	17.27	18.73	19.05	-0.85	0.32	0.61	1.78	-0.87	0.19	0.33	1.39	1.61
NCU02263	Sec14 cytosolic factor	19.61	20.24	20.83	20.93	0.63	0.10	1.22	0.69	0.61	-0.03	0.94	0.30	1.61
NCU00134	exportin-T	15.11	14.48	15.58	16.49	-0.63	0.91	0.47	2.01	-0.65	0.78	0.19	1.62	1.61
NCU09646	3-ketoacyl-CoA thiolase	14.34	16.36	17.92	17.42	2.02	-0.50	3.58	1.06	2.00	-0.63	3.30	0.67	1.61
NCU07287	hypothetical protein	19.94	20.26	19.51	17.89	0.32	-1.62	-0.43	-2.37	0.30	-1.75	-0.71	-2.76	1.60
NCU01955	autophagocytosis protein Aut1	15.86	14.94	14.09	15.10	-0.92	1.01	-1.77	0.16	-0.94	0.88	-2.05	-0.23	1.60
NCU02082	cft-1	13.95	13.61	14.64	15.99	-0.34	1.35	0.69	2.38	-0.36	1.22	0.41	1.99	1.60
NCU17177	glycylpeptide N-tetradecanoyltransferase	17.92	17.06	18.65	18.77	-0.86	0.12	0.73	1.71	-0.88	-0.01	0.45	1.32	1.60
NCU04173	actin	23.07	22.27	24.15	23.87	-0.80	-0.28	1.08	1.60	-0.82	-0.41	0.80	1.21	1.60
NCU09995	hypothetical protein	19.62	19.04	17.99	19.17	-0.58	1.18	-1.63	0.13	-0.60	1.05	-1.91	-0.26	1.59
NCU02580	fumarate reductase Osm1	16.88	17.49	19.06	18.13	0.61	-0.93	2.18	0.64	0.59	-1.06	1.90	0.25	1.58
NCU09264	APAF1-interacting protein	18.22	18.49	18.40	18.11	0.27	-0.29	0.18	-0.38	0.25	-0.42	-1.10	-0.77	1.58
NCU03853	peptidyl-prolyl cis-trans isomerase	17.68	18.91	19.77	19.93	1.23	0.16	2.09	1.02	1.21	0.03	1.81	0.63	1.58
NCU07439	hypothetical protein	17.27	16.70	16.69	16.63	-0.57	-0.06	-0.58	-0.07	-0.59	-0.19	-0.86	-0.46	1.58
NCU07562	60S ribosomal protein L43	21.61	20.02	19.40	19.78	-1.59	0.38	-2.21	-0.24	-1.61	0.25	-2.49	-0.63	1.58
NCU08352	cysteine-9	19.49	19.71	19.67	19.79	0.22	0.12	0.18	0.08	0.20	-0.01	-0.10	-0.31	1.58
NCU03779	dihydroxyacetone kinase-1	18.26	18.78	19.54	19.27	0.52	-0.27	1.28	0.49	0.50	-0.40	1.00	0.10	1.57
NCU02781	hypothetical protein	18.24	18.54	19.08	19.81	0.30	0.73	0.84	1.27	0.28	0.60	0.56	0.88	1.57
NCU09182	stress responsive A/B barrel domain-containing protein	14.96	15.93	17.11	16.51	0.97	-0.60	2.15	0.58	0.95	-0.73	1.87	0.19	1.57
NCU00793	trehalose phosphate synthase	19.02	18.64	20.01	19.67	-0.38	-0.34	0.99	1.03	-0.40	-0.47	0.71	0.64	1.57
NCU04120	calmodulin A	18.75	17.05	15.72	17.09	-1.70	1.37	-3.03	0.04	-1.72	1.24	-3.31	-0.35	1.57
NCU05288	rab GDP-dissociation inhibitor	22.73	22.44	22.56	22.55	-0.29	-0.01	-0.17	0.11	-0.31	-0.14	-0.45	-0.28	1.57
NCU08471	tricarboxylic acid-9	17.18	15.14	19.87	18.59	-2.04	-1.28	2.69	3.45	-2.06	-1.41	2.41	3.06	1.57
NCU04213	progesterone binding protein	16.57	17.04	16.70	16.71	0.47	0.01	0.13	-0.33	0.45	-0.12	-0.15	-0.72	1.56
NCU04238	histone H1-binding protein	18.62	18.65	18.45	18.88	0.03	0.43	-0.17	0.23	0.01	0.30	-0.45	-0.16	1.56
NCU07422	hypothetical protein	16.49	16.10	16.87	17.55	-0.39	0.68	0.38	1.45	-0.41	0.55	1.00	1.06	1.56
NCU03704	ubiquitin carboxyl-terminal hydrolase 2	14.74	16.59	17.87	17.60	1.85	-0.27	3.13	1.01	1.83	-0.40	2.85	0.62	1.56
NCU02701	dipeptidyl peptidase	19.65	20.26	19.61	19.78	0.61	0.17	-0.04	-0.48	0.59	0.04	-0.32	-0.87	1.55
NCU06471	proline-1	14.36	16.33	17.45	18.07	1.97	0.62	3.09	1.74	1.95	0.49	2.81	1.35	1.55
NCU06630	protein phosphatase-1	18.99	18.22	19.77	19.74	-0.77	-0.03	0.78	1.52	-0.79	-0.16	0.50	1.13	1.55
NCU02181	40S ribosomal protein S4	23.07	23.14	22.44	23.19	0.07	0.75	-0.63	0.05	0.05	0.62	-0.91	-0.34	1.55
NCU06228	hypothetical protein	15.39	16.71	17.60	17.66	1.32	0.06	2.21	0.95	1.30	-0.07	1.93	0.56	1.54
NCU01786	ribose-phosphate pyrophosphokinase II	17.97	17.65	17.60	17.98	-0.32	0.38	-0.37	0.33	-0.34	0.25	-0.65	-0.06	1.54
NCU01918	ARP2/3 complex 20 kDa subunit	17.91	17.77	18.23	18.60	-0.14	0.37	0.32	0.83	-0.16	0.24	0.04	0.44	1.54
NCU03731	HAD superfamily hydrolase	18.23	18.14	18.84	19.84	-0.09	1.00	0.61	1.70	-0.11	0.87	0.33	1.31	1.54
NCU02888	hypothetical protein	19.89	20.54	19.05	19.92	0.65	0.87	-0.84	-0.62	0.63	0.74	-1.12	-1.01	1.54
NCU04856	glutamine-2	21.35	22.25	21.35	19.93	0.90	-1.42	0.00	-2.32	0.88	-1.55	-0.28	-2.71	1.53
NCU03396	nucleolar protein nop-58	17.83	17.33	18.25	19.25	-0.50	1.00	0.42	1.92	-0.52	0.87	0.14	1.53	1.52
NCU04140	FK506 resistant-2	21.91	21.81	20.79	21.86	-0.10	1.07	-1.12	0.05	-0.12	0.94	-1.40	-0.34	1.51
NCU08568	ADP-ribose pyrophosphatase	17.63	17.53	18.30	19.51	-0.10	1.21	0.67	1.98	-0.12	1.08	0.39	1.59	1.51
NCU03755	flavin dependent monooxygenase	18.88	19.21	18.76	19.14	0.33	0.38	-0.12	-0.07	0.31	0.25	-0.40	-0.46	1.50
NCU06279	eukaryotic translation initiation factor 3	18.34	17.91	18.68	19.06	-0.43	0.38	0.34	1.15	-0.45	0.25	0.06	0.76	1.49
NCU04185	protein kinase-1	16.15	13.62	17.50	17.65	-2.53	0.15	1.35	4.03	-2.55	0.02	1.07	3.64	1.49
NCU01233	aldose reductase	19.24	18.61	20.13	19.90	-0.63	-0.23	0.89	1.29	-0.65	-0.36	0.61	0.90	1.48
NCU09450	regulatory particle, non-ATPase-like-2	19.08	18.42	20.27	19.79	-0.66	-0.48	1.19	1.37	-0.68	-0.61	0.91	0.98	1.48
NCU03076	delta-1-pyrroline-5-carboxylate dehydrogenase	16.54	16.64	17.28	17.10	0.10	-0.18	0.74	0.46	0.08	-0.31	0.46	0.07	1.48
NCU07153	glutamate carboxypeptidase	21.63	21.45	21.58	21.38	-0.18	-0.20	-0.05	-0.07	-0.20	-0.33	-0.33	-0.46	1.47
NCU08389	60S ribosomal protein L20	22.12	21.97	21.00	22.08	-0.15	1.08	-1.12	0.11	-0.17	0.95	-1.40	-0.28	1.47
NCU06561	RHO protein GDP dissociation inhibitor-1	20.69	20.53	20.66	20.45	-0.16	-0.21	-0.03	-0.08	-0.18	-0.34	-0.31	-0.47	1.47
NCU02322	mannose-6-phosphate isomerase	15.95	13.55	17.08	17.38	-2.40	0.30	1.13	3.83	-2.42	0.17	0.85	3.44	1.46
NCU07829	60S ribosomal protein L7	22.34	22.23	22.27	21.81	-0.11	-0.46	-0.07	-0.42	-0.13	-0.59	-0.35	-0.81	1.46
NCU09174	hypothetical protein	20.26	19.78	21.26	20.89	-0.48	-0.37	1.00	1.11	-0.50	-0.50	0.72	0.72	1.46
NCU03905	hypothetical protein	14.77	15.04	13.66	14.80	0.27	1.14	-1.11	-0.24	0.25	1.01	-1.39	-0.63	1.46
NCU07165	mannose-6-phosphate isomerase	19.36	19.64	20.27	20.05	0.28	-0.22	0.91	0.41	0.26	-0.35	0.63	0.02	1.46
NCU02090	adenine phosphoribosyltransferase	18.12	17.36	19.17	18.82	-0.76	-0.35	1.05	1.46	-0.78	-0.48	0.77	1.07	1.45
NCU05650	karyopherin Kap123	17.57	16.64	16.46	15.58	-0.93	-0.88	-1.11	-1.06	-0.95	-1.01	-1.39	-1.45	1.45
NCU06035	elongation factor 1-beta	20.60	20.76	20.72	20.20	0.16	-0.52	0.12	-0.56	0.14	-0.65	-0.16	-0.95	1.45
NCU05200	Pro-apoptotic serine protease nma-111	17.69	17.70	17.90	17.87	0.01	-0.03	0.21	0.17	-0.01	-0.16	-0.07	-0.22	1.44
NCU07471	F-actin-capping protein subunit beta	17.63	18.15	17.87	17.31	0.52	-0.56	0.24	-0.84	0.50	-0.69	-0.04	-1.23	1.44
NCU06726	nitrilase	15.70	16.99	15.87	15.26	1.29	-0.61	0.17	-1.73	1.27	-0.74	-0.11	-2.12	1.44
NCU05418	deoxyhypusine synthase-1	17.15	17.34	16.53	17.32	0.19	0.79	-0.62	-0.02	0.17	0.66	-0.90	-0.41	1.44
NCU03300	Neurospora fourteen-three-three homolog-1	22.43	21.87	22.89	23.06	-0.56	0.17	0.46	1.19	-0.58	0.04	0.18	0.80	1.43
NCU01489	histidine phosphotransferase-1	18.10	18.73	17.55	18.25	0.63	0.70	-0.55	-0.48	0.61	0.57	-0.83	-0.87	1.43
NCU07319	coatamer beta' subunit	19.06	17.98	19.53	19.98	-1.08	0.45	0.47	2.00	-1.10	0.32	0.19	1.61	1.42
NCU02018	short chain dehydrogenase	16.55	18.53	19.50	19.71	1.98	0.21	2.95	1.18	1.96	0.08	2.67	0.79	1.42
NCU02333	arginase-1	16.87	16.88	15.06	16.71	0.01	1.65	-1.81	-0.17	-0.01	1.52	-2.09	-0.56	1.42
NCU07839	ATP-dependent RNA helicase dbp-2	17.73	18.16	17.63	17.99	0.43	0.36	-0.10	-0.17	0.41	0.23	-0.38	-0.56	1.41
NCU02680	nuclear protein localization protein 4	16.47	14.79	17.74										

NCU01776	60S ribosomal protein L15	21.94	22.35	22.24	21.85	0.41	-0.39	0.30	-0.50	0.39	-0.52	0.02	-0.89	1.37
NCU03004	acetate-3	18.46	19.01	19.43	19.66	0.55	0.23	0.97	0.65	0.53	0.10	0.69	0.26	1.36
NCU01827	60S ribosomal protein L27	22.18	21.67	21.77	21.59	-0.51	-0.18	-0.41	-0.08	-0.53	-0.31	-0.69	-0.47	1.36
NCU09770	acetate utilization-8	15.71	15.56	16.10	16.95	-0.15	0.85	0.39	1.39	-0.17	0.72	0.11	1.00	1.36
NCU01587	cofilin	21.05	20.47	20.01	20.90	-0.58	0.89	-1.04	0.43	-0.60	0.76	-1.32	0.04	1.36
NCU03702	rRNA 2'-O-methyltransferase fibrillarin	18.72	18.20	19.00	20.16	-0.52	1.16	0.28	1.96	-0.54	1.03	0.00	1.57	1.35
NCU01992	coatomer subunit gamma	18.67	18.50	19.00	19.72	-0.17	0.72	0.33	1.22	-0.19	0.59	0.05	0.83	1.34
NCU02289	ubiquitin-conjugating enzyme E2	16.17	14.82	17.56	16.96	-1.35	-0.60	1.39	2.14	-1.37	-0.73	1.11	1.75	1.34
NCU07320	phosphatidylinositol transporter	16.50	15.56	17.00	17.21	-0.94	0.21	0.50	1.65	-0.96	0.08	0.22	1.26	1.34
NCU01768	hypothetical protein	19.97	20.28	20.00	20.63	0.31	-0.17	0.83	0.35	0.29	-0.30	0.55	-0.04	1.33
NCU00824	histone deacetylase-3	14.28	14.69	16.05	15.12	0.41	-0.93	1.77	0.43	0.39	-1.06	1.49	0.04	1.32
NCU05810	cross pathway control-2	22.26	22.20	22.30	21.84	-0.06	-0.46	0.04	-0.36	-0.08	-0.59	-0.24	-0.75	1.32
NCU08605	proteasome catalytic beta-2	17.69	17.44	16.61	17.73	-0.25	1.12	-1.08	0.29	-0.27	0.99	-1.36	-0.10	1.32
NCU02075	heat shock protein 70-2	23.08	22.91	23.33	23.67	-0.17	0.34	0.25	0.76	-0.19	0.21	-0.03	0.37	1.32
NCU09320	histidine-2	21.15	20.45	20.51	20.60	-0.70	0.09	-0.64	0.15	-0.72	-0.04	-0.92	-0.24	1.32
NCU04192	vacuolar aspartyl aminopeptidase Lap4	18.27	19.16	18.65	18.06	0.89	-0.59	0.38	-1.10	0.87	-0.72	0.10	-1.49	1.32
NCU00964	hypothetical protein	16.59	15.41	15.14	15.80	-1.18	0.66	-1.45	0.39	-1.20	0.53	-1.73	0.00	1.32
NCU07725	chorismate mutase	17.15	16.67	17.47	17.73	-0.48	0.26	0.32	1.06	-0.50	0.13	0.04	0.67	1.31
NCU03347	nicotinic acid-4	19.31	19.59	18.68	19.53	0.28	0.85	-0.63	-0.06	0.26	0.72	-0.91	-0.45	1.31
NCU03127	urease Ure	15.82	16.43	15.91	16.06	0.61	0.15	0.09	-0.37	0.59	0.02	-0.19	-0.76	1.31
NCU01422	multi-protein-bridging factor 1	14.21	13.44	14.37	15.18	-0.77	0.81	0.16	1.74	-0.79	0.68	-0.12	1.35	1.30
NCU03150	60S ribosomal protein L24	21.09	19.81	19.67	20.01	-1.28	0.34	-1.42	0.20	-1.30	0.21	-1.70	-0.19	1.30
NCU00261	CTP synthase	17.86	17.48	16.64	17.85	-0.38	1.21	-1.22	0.37	-0.40	1.08	-1.50	-0.02	1.30
NCU06764	proteasome catalytic alpha-2	19.21	19.20	18.34	19.37	-0.01	1.03	-0.87	0.17	-0.03	0.90	-1.15	-0.22	1.29
NCU02111	myosin-5	16.38	17.04	18.14	17.31	0.66	-0.83	1.76	0.27	0.64	-0.96	1.48	-0.12	1.29
NCU06261	uracil phosphoribosyltransferase	16.66	16.74	16.36	16.95	0.08	0.59	-0.30	0.21	0.06	0.46	-0.58	-0.18	1.29
NCU03350	xanthine dehydrogenase-1	14.85	16.23	15.39	14.13	1.38	-1.26	0.54	-2.10	1.36	-1.39	0.26	-2.49	1.29
NCU03124	casein kinase II subunit alpha	18.89	18.81	18.06	19.05	-0.08	0.99	-0.83	0.24	-0.10	0.86	-1.11	-0.15	1.28
NCU05420	aromatic-3	20.17	19.85	20.02	20.17	-0.32	0.15	-0.15	0.32	-0.34	0.02	-0.43	-0.07	1.28
NCU03717	translation initiation factor 4E	14.37	14.65	15.32	17.22	0.28	1.90	0.95	2.57	0.26	1.77	0.67	2.18	1.27
NCU07027	glycogen phosphorylase	23.29	22.89	23.03	22.70	-0.40	-0.33	-0.26	-0.19	-0.42	-0.46	-0.54	-0.58	1.27
NCU05425	tricarboxylic acid-7	17.73	17.97	18.53	18.31	0.24	-0.22	0.80	0.34	0.22	-0.35	0.52	-0.05	1.27
NCU03393	ribosome-associated protein-1	22.61	22.75	22.91	22.82	0.14	-0.09	0.30	0.07	0.12	-0.22	0.02	-0.32	1.27
NCU08485	WD repeat protein	15.90	17.25	16.48	15.04	1.35	-1.44	0.58	-2.21	1.33	-1.57	0.30	-2.60	1.27
NCU00304	hypothetical protein	17.53	17.66	17.55	16.24	0.13	-1.31	0.02	-1.42	0.11	-1.44	-0.26	-1.81	1.27
NCU09014	cleavage and polyadenylation specificity factor subunit 5	19.84	17.84	17.07	17.60	-0.77	0.73	-0.97	0.53	-0.79	0.60	-1.25	0.14	1.27
NCU01219	glutaredoxin	20.08	19.65	19.56	18.02	-0.43	-1.54	-0.52	-1.63	-0.45	-1.67	-0.80	-2.02	1.26
NCU04306	methionine aminopeptidase 2B	17.59	14.80	17.49	19.19	-2.79	1.70	-0.10	4.39	-2.81	1.57	-0.38	4.00	1.25
NCU05642	cysteinyI-tRNA synthetase	19.01	18.49	19.15	19.82	-0.52	0.67	0.14	1.33	-0.54	0.54	-0.14	0.94	1.25
NCU07542	rad23-like	20.13	18.93	17.52	19.65	-1.20	2.13	-2.61	0.72	-1.22	2.00	-2.89	0.33	1.24
NCU06617	myosin regulatory light chain cdc4	17.71	18.28	17.87	17.99	0.57	0.12	0.16	-0.29	0.55	-0.01	-0.12	-0.68	1.24
NCU03125	NIMA-interacting protein TinC	20.17	19.51	19.44	20.03	-0.66	0.59	-0.73	0.52	-0.68	0.46	-1.01	0.13	1.24
NCU00936	succinate semialdehyde dehydrogenase	17.14	15.94	17.74	17.80	-1.20	0.06	0.60	1.86	-1.22	-0.07	0.32	1.47	1.24
NCU04115	clathrin light chain	13.51	16.02	17.10	16.23	2.51	-0.87	3.59	0.21	2.49	-1.00	3.31	-0.18	1.24
NCU02273	PEP4 homolog	19.16	18.66	19.28	20.06	-0.50	0.78	0.12	1.40	-0.52	0.65	-0.16	1.01	1.23
NCU08501	E3 ubiquitin-protein ligase TOM1-like protein	17.21	16.21	17.52	17.88	-1.00	0.36	0.31	1.67	-1.02	0.23	0.03	1.28	1.23
NCU04337	survival factor 1	18.80	18.60	19.01	19.43	-0.20	0.42	0.21	0.83	-0.22	0.29	-0.07	0.44	1.23
NCU06722	tryptophan-5	19.45	19.40	18.44	19.62	-0.05	1.18	-1.01	0.22	-0.07	1.05	-1.29	-0.17	1.23
NCU07550	triosephosphate isomerase	23.58	23.53	23.90	24.49	-0.05	0.59	0.32	0.96	-0.07	0.46	0.04	0.57	1.23
NCU09175	GPI-anchored cell wall beta-1,3-endoglucanase EglC	18.27	17.73	17.77	16.72	-0.54	-1.05	-0.50	-1.01	-0.56	-1.18	-0.78	-1.40	1.23
NCU00414	adenosine kinase	22.39	21.93	22.10	21.93	-0.46	-0.17	-0.29	0.00	-0.48	-0.30	-0.57	-0.39	1.22
NCU03605	amidohydrolase	14.98	15.33	16.40	15.65	0.35	-0.75	1.42	0.32	0.33	-0.88	1.14	-0.07	1.22
NCU02407	dihydropolyl dehydrogenase	17.77	17.33	19.73	18.43	-0.44	-1.30	1.96	1.10	-0.46	-1.43	1.68	0.71	1.22
NCU09123	calcium/calmodulin-dependent kinase-1	18.61	17.80	18.70	19.38	-0.81	0.68	0.09	1.58	-0.83	0.55	-0.19	1.19	1.21
NCU07874	nuclear and cytoplasmic polyadenylated RNA-binding protein pub1	17.74	17.44	16.81	17.88	-0.30	1.07	-0.93	0.44	-0.32	0.94	-1.21	0.05	1.21
NCU06290	hypothetical protein	15.75	15.85	16.53	16.25	0.10	-0.28	0.78	0.40	0.08	-0.41	0.50	0.01	1.21
NCU00579	oxysterol binding protein 1	13.64	14.50	14.96	14.90	0.86	-0.06	1.32	0.40	0.84	-0.19	1.04	0.01	1.21
NCU06091	vacuolar protein sorting-associated protein 74	14.09	14.86	16.00	14.98	0.77	-1.02	1.91	0.12	0.75	-1.15	1.63	-0.27	1.21
NCU02260	regulatory particle, ATPase-like-3	18.60	18.84	19.63	19.17	0.24	-0.46	1.03	0.33	0.22	-0.59	0.75	-0.06	1.20
NCU07962	hypothetical protein	16.05	16.72	17.60	16.87	0.67	-0.73	1.55	0.15	0.65	-0.86	1.27	-0.24	1.20
NCU00518	MG5207 protein	15.85	16.09	16.49	17.46	0.24	0.97	0.64	1.37	0.22	0.84	0.36	0.98	1.20
NCU03632	farnesyltransferase/geranylgeranyltransferase type I alpha subunit	16.06	15.14	16.10	16.87	-0.92	0.77	0.04	1.73	-0.94	0.64	-0.24	1.34	1.20
NCU07688	rho GTPase activator Rga	14.45	14.57	14.28	14.79	0.12	0.51	-0.17	0.22	0.10	0.38	-0.45	-0.17	1.20
NCU09699	histone acetyltransferase Spt10	17.29	18.03	17.59	17.52	0.74	-0.07	0.30	-0.51	0.72	-0.20	0.02	-0.90	1.20
NCU04780	VEG136 protein	13.98	14.34	14.73	15.69	0.36	0.96	0.75	1.35	0.34	0.83	0.47	0.96	1.19
NCU02395	uroporphyrinogen-III synthase	15.01	15.95	15.19	15.24	0.94	0.05	0.18	-0.71	0.92	-0.08	-0.10	-1.10	1.19
NCU05777	ubiquitin carboxyl-terminal hydrolase 14	18.16	18.27	18.92	18.65	0.11	-0.27	0.76	0.38	0.09	-0.40	0.48	-0.01	1.19
NCU08823	band	13.61	14.25	14.06	13.76	0.64	-0.30	0.45	-0.49	0.62	-0.43	0.17	-0.88	1.18
NCU01452	40S ribosomal protein S1	22.77	22.12	22.09	22.71	-0.65	0.62	-0.68	0.59	-0.67	0.49	-0.96	0.20	1.18
NCU04344	translation initiation factor eIF-2B alpha subunit	17.39	17.96	16.86	17.68	0.57	0.82	-0.53	-0.28	0.55	0.69	-0.81	-0.67	1.18
NCU10852	exochitinase	14.35	13.30	14.37	15.12	-1.05	0.75	0.02	1.82	-1.07	0.62	-0.26	1.43	1.18
NCU08894	glutamyl-tRNA synthetase	21.11	20.17	21.44	21.69	-0.94	0.25	0.33	1.52	-0.96	0.12	0.05	1.13	1.18
NCU11371	COBW domain-containing protein 1	15.30	15.78	16.33	15.99	0.48	-0.34	1.03	0.21	0.46	-0.47	0.75	-0.18	1.18
NCU06844	hypothetical protein	16.35	16.73	16.67	15.26	0.38	-1.41	0.32	-1.47	0.36	-1.54	0.04	-1.86	1.18
NCU05252	deoxyhypusine hydroxylase	16.19	17.21	16.89	15.40	1.02	-1.49	0.70	-1.81	1.00	-1.62	0.42	-2.20	1.18
NCU01368	proteasome catalytic beta-4	17.83	16.23	17.95	18.61	-1.60	0.66	0.12	2.38	-1.62	0.53	-0.16	1.99	1.17
NCU03876	eukaryotic translation initiation factor 3 subunit 2	19.22	18.81	18.96	19.26	-0.41	0.30	-0.26	0.45	-0.43	0.17	-0.54	0.06	1.17
NCU02806	Neurospora fourteen-three-three homolog-2	24.03	23.77	23.95	23.51	-0.26	-0.44	-0.08	-0.26	-0.28	-0.57	-0.36	-0.65	1.17
NCU02109	UDP-N-acetylglucosamine pyrophosphorylase	20.70	21.12	21.60	21.35	0.42	-0.25	0.90	0.23	0.40	-0.38	0.62	-0.16	1.16
NCU00202	coronin 1	20.01	20.50	20.43	20.24	0.49	-0.19	0.42	-0.26	0.47	-0.32	0.14	-0.65	1.16
NCU02887	voltage-gated potassium channel beta-2 subunit	18.82	19.17	19.20	19.10	0.35	-0.10	0.38	-0.07	0.33	-0.23	0.10	-0.46	1.16
NCU06472	histone acetyl transferase-1	15.55	16.48	16.25	14.93	0.93	-1.32	0.70	-1.55	0.91	-1.45	0.42	-1.94	1.16
NCU02493</														

NCU07012	hypothetical protein	15.43	14.50	14.14	15.37	-0.93	1.23	-1.29	0.87	-0.95	1.10	-1.57	0.48	1.13
NCU01002	coatomer subunit epsilon	18.09	18.72	18.61	18.28	0.63	-0.33	0.52	-0.44	0.61	-0.46	0.24	-0.83	1.13
NCU08411	aspartate aminotransferase	20.25	20.04	20.24	19.77	-0.21	-0.47	-0.01	-0.27	-0.23	-0.60	-0.29	-0.66	1.12
NCU02224	regulatory particle, non-ATPase-like-3	18.86	17.65	19.10	19.43	-1.21	0.33	0.24	1.78	-1.23	0.20	-0.04	1.39	1.12
NCU02566	alanyl-tRNA synthetase	21.64	21.55	21.88	22.50	-0.09	0.62	0.24	0.95	-0.11	0.49	-0.04	0.56	1.12
NCU02475	glycine dehydrogenase	15.65	17.85	15.21	15.85	2.20	0.64	-0.44	-2.00	2.18	0.51	-0.72	-2.39	1.11
NCU01902	glucosamine 6-phosphate N-acetyltransferase	18.24	18.29	18.64	19.65	0.05	1.01	0.40	1.36	0.03	0.88	0.12	0.97	1.11
NCU05832	hypothetical protein	17.18	17.97	17.74	17.39	0.79	-0.35	0.56	-0.58	0.77	-0.48	0.28	-0.97	1.11
NCU03306	hypothetical protein	18.04	17.79	18.19	18.54	-0.25	0.35	0.15	0.75	-0.27	0.22	-0.13	0.36	1.11
NCU04754	isoleucine-valine-6	16.68	17.56	17.90	18.62	0.88	0.72	1.22	1.06	0.86	0.59	0.94	0.67	1.11
NCU02784	hypothetical protein	15.94	15.21	15.29	15.87	-0.73	0.58	-0.65	0.66	-0.75	0.45	-0.93	0.27	1.11
NCU00567	arginine-6	14.65	14.72	15.62	15.12	0.07	-0.50	0.97	0.40	0.05	-0.63	0.69	0.01	1.10
NCU08507	zinc finger protein zpr1	18.06	17.91	19.06	18.52	-0.15	-0.54	1.00	0.61	-0.17	-0.67	0.72	0.22	1.10
NCU04202	nucleoside diphosphate kinase-1	22.97	22.83	23.04	22.56	-0.14	-0.48	0.07	-0.27	-0.16	-0.61	-0.21	-0.66	1.10
NCU02479	glutamine synthetase	18.78	19.36	19.36	18.94	0.58	-0.42	0.58	-0.42	0.56	-0.55	0.30	-0.81	1.10
NCU04130	acylase ACY 1	16.37	17.13	17.45	17.76	0.76	0.31	1.08	0.63	0.74	0.18	0.80	0.24	1.10
NCU01939	nonsense-mediated mRNA decay protein	18.96	18.77	19.74	19.40	-0.19	-0.34	0.78	0.63	-0.21	-0.47	0.50	0.24	1.10
NCU00422	curved DNA-binding protein	21.40	21.62	21.90	22.27	0.22	0.37	0.50	0.65	0.20	0.24	0.22	0.26	1.09
NCU07415	proline iminopeptidase	17.32	17.23	17.41	16.51	-0.09	-0.90	0.09	-0.72	-0.11	-1.03	-0.19	-1.11	1.09
NCU01381	hypothetical protein	16.77	18.09	18.45	19.53	1.32	1.08	1.68	1.44	1.30	0.95	1.40	1.05	1.09
NCU09746	gephyrin	14.42	15.89	15.44	14.39	1.47	-1.05	1.02	-1.50	1.45	-1.18	0.74	-1.89	1.08
NCU08997	repressible alkaline phosphatase	16.25	15.28	15.45	14.43	-0.97	-1.02	-0.80	-0.85	-0.99	-1.15	-1.08	-1.24	1.08
NCU04342	hypothetical protein	18.48	18.58	18.99	18.91	0.10	-0.08	0.51	0.33	0.08	-0.21	0.23	-0.06	1.08
NCU02319	aminopeptidase	20.53	20.67	21.09	20.97	0.14	-0.12	0.56	0.30	0.12	-0.25	0.28	-0.09	1.07
NCU03438	Arp2/3 complex subunit	16.90	16.67	17.01	17.87	-0.23	0.86	0.11	1.20	-0.25	0.73	-0.17	0.81	1.07
NCU04569	5-oxoprolinase	22.98	22.82	23.14	23.87	-0.16	0.73	0.16	1.05	-0.18	0.60	-0.12	0.66	1.07
NCU06698	glycogenin	15.98	16.66	16.39	16.32	0.68	-0.07	0.41	-0.34	0.66	-0.20	0.13	-0.73	1.07
NCU07414	hypothetical protein similar to protein mitochondrial targeting protein M	14.40	17.12	17.53	18.77	2.72	1.24	3.13	1.65	2.70	1.11	2.85	1.26	1.07
NCU08340	ADP-ribosylation factor 1	18.13	17.90	19.11	18.57	-0.23	-0.54	0.98	0.67	-0.25	-0.67	0.70	0.28	1.07
NCU08578	oxysterol binding protein	15.85	17.14	18.27	16.63	1.29	-1.64	2.42	-0.51	1.27	-1.77	2.14	-0.90	1.07
NCU03131	FAD dependent oxidoreductase superfamily	14.87	16.75	17.12	17.46	1.88	0.34	2.25	0.71	1.86	0.21	1.97	0.32	1.07
NCU01163	GAF domain nucleotide-binding protein	16.83	17.28	17.97	17.35	0.45	-0.62	1.14	0.07	0.43	-0.75	0.86	-0.32	1.07
NCU08008	adenylyl cyclase-associated protein	17.47	16.48	18.94	17.94	-0.99	-1.00	1.47	1.46	-1.01	-1.13	1.19	1.07	1.06
NCU08882	NAD binding Rossmann fold oxidoreductase	20.66	20.86	21.21	21.12	0.20	-0.09	0.55	0.26	0.18	-0.22	0.27	-0.13	1.06
NCU03500	aminotransferase	17.74	16.66	18.74	18.70	-1.08	-0.54	1.00	1.54	-1.10	-0.67	0.72	1.15	1.06
NCU06336	N2,N2-dimethylguanosine tRNA methyltransferase	14.72	16.18	15.98	14.51	1.46	-1.47	1.26	-1.67	1.44	-1.60	0.98	-2.06	1.06
NCU01107	short-chain dehydrogenase	16.90	17.40	18.31	17.42	0.50	-0.89	1.41	0.02	0.48	-1.02	1.13	-0.37	1.06
NCU04910	hypothetical protein	18.37	17.99	16.70	18.64	-0.38	1.94	-1.67	0.65	-0.40	1.81	-1.95	0.26	1.06
NCU10066	coatomer alpha subunit	19.35	19.30	19.58	19.78	-0.05	0.20	0.23	0.48	-0.07	0.07	-0.05	0.09	1.05
NCU01177	NAD dependent epimerase/dehydratase	17.70	18.87	19.18	20.06	1.17	0.88	1.48	1.19	1.15	0.75	1.20	0.80	1.05
NCU08791	catalase-1	17.89	18.67	18.60	18.16	0.78	-0.44	0.71	-0.51	0.76	-0.57	0.43	-0.90	1.05
NCU09309	proteasome component PRE2	18.85	17.61	18.48	19.43	-1.24	0.95	-0.37	1.82	-1.26	0.82	-0.65	1.43	1.05
NCU10058	phosphoglucomutase 2	23.62	23.90	24.11	23.70	0.28	-0.41	0.49	-0.20	0.26	-0.54	0.21	-0.59	1.04
NCU06410	GTP-binding protein YPT52	14.96	15.55	15.97	15.54	0.59	-0.43	1.01	-0.01	0.57	-0.56	0.73	-0.40	1.04
NCU10273	Hsc70 cochaperone	16.77	17.02	17.31	18.28	0.25	0.97	0.54	1.26	0.23	0.84	0.26	0.87	1.04
NCU05342	hypothetical protein	18.80	18.50	18.82	19.47	-0.30	0.65	0.02	0.97	-0.32	0.52	-0.26	0.58	1.04
NCU03813	formate dehydrogenase	20.79	21.08	21.50	21.25	0.29	-0.25	0.71	0.17	0.27	-0.38	0.43	-0.22	1.04
NCU00633	hypothetical protein	18.25	18.40	18.71	20.18	0.15	1.47	0.46	1.78	0.13	1.34	0.18	1.39	1.04
NCU09004	eukaryotic translation initiation factor 6	18.61	18.54	18.82	19.35	-0.07	0.53	0.21	0.81	-0.09	0.40	-0.07	0.42	1.04
NCU09366	proteasome catalytic beta-6	19.09	19.75	19.71	19.42	0.66	-0.29	0.62	-0.33	-0.64	-0.42	0.34	-0.72	1.04
NCU03703	60S ribosomal protein L17	21.45	21.31	21.55	21.00	-0.14	-0.55	0.10	-0.31	-0.16	-0.68	-0.18	-0.70	1.03
NCU07409	hypothetical protein	16.84	17.49	17.49	17.17	0.65	-0.32	0.65	-0.32	0.63	-0.45	0.37	-0.71	1.03
NCU11395	S	13.20	16.34	16.80	15.26	3.14	-1.54	3.60	-1.08	3.12	-1.67	3.32	-1.47	1.03
NCU04791	menadione-induced gene-10	17.11	17.61	16.81	17.50	0.50	0.69	-0.30	-0.11	0.48	0.56	-0.58	-0.50	1.02
NCU05942	proteasome catalytic alpha-3	19.53	19.19	19.44	18.95	-0.34	-0.49	-0.09	-0.24	-0.36	-0.62	-0.37	-0.63	1.02
NCU03061	translation initiation factor RLI1	19.38	18.98	18.73	19.75	-0.40	1.02	-0.65	0.77	-0.42	0.89	-0.93	0.38	1.02
NCU04277	threonine-4	17.91	19.00	19.25	19.27	-0.71	0.02	-0.46	0.27	-0.73	-0.11	-0.74	-0.12	1.02
NCU00768	mRNA binding post-transcriptional regulator	17.56	17.80	16.69	17.95	0.24	1.26	-0.87	0.15	0.22	1.13	-1.15	-0.24	1.01
NCU01249	Importin alpha subunit	19.26	18.52	19.70	19.67	-0.74	-0.03	0.44	1.15	-0.76	-0.16	0.16	0.76	1.01
NCU04552	cytoplasmic ribosomal protein-5	19.85	20.39	20.71	20.34	0.54	-0.37	0.86	-0.05	0.52	-0.50	0.58	-0.44	1.01
NCU00481	a-pheromone processing metalloproteinase Ste23	18.34	18.91	19.25	18.82	0.57	-0.43	0.91	-0.09	0.55	-0.56	0.63	-0.48	1.01
NCU04470	HD domain-containing protein	15.92	15.44	15.61	16.28	-0.48	0.67	-0.31	0.84	-0.50	0.54	-0.59	0.45	1.01
NCU02998	nicotinate-nucleotide pyrophosphorylase	18.80	18.29	18.59	19.29	-0.51	0.70	-0.21	1.00	-0.53	0.57	-0.49	0.61	1.01
NCU10477	ubiquitin-conjugating enzyme E2	16.87	17.28	16.46	17.27	0.41	0.81	-0.41	-0.01	0.39	0.68	-0.69	-0.40	1.01
NCU00649	nicotinic acid-6	17.99	18.91	19.18	18.86	0.92	-0.32	1.19	-0.05	0.90	-0.45	0.91	-0.44	1.00
NCU00847	hypothetical protein	17.53	17.97	18.74	17.94	0.44	-0.80	1.21	-0.03	0.42	-0.93	0.93	-0.42	1.00
NCU11427	CUE domain-containing protein	14.99	12.73	15.53	15.40	-2.26	-0.13	0.54	2.67	-2.28	-0.26	0.26	2.28	1.00
NCU00665	Ser/Thr protein phosphatase	14.31	16.58	16.15	14.68	2.27	-1.47	1.84	-1.90	2.25	-1.60	1.56	-2.29	1.00
NCU08991	sulfur control-3	17.34	17.59	17.85	18.42	0.25	0.57	0.51	0.83	0.23	0.44	0.23	0.44	1.00
NCU06432	40S ribosomal protein S12	19.99	19.46	19.72	19.77	-0.53	0.05	-0.27	0.31	-0.55	-0.08	-0.55	-0.08	1.00
NCU10008	tricarboxylic acid-14	19.87	20.68	20.93	20.31	0.81	-0.62	1.06	-0.37	0.79	-0.75	0.78	-0.76	1.00
NCU02960	peroxin 5	16.50	15.43	15.85	16.86	-1.07	1.01	-0.65	1.43	-1.09	0.88	-0.93	1.04	1.00
NCU04448	T-complex protein 1 subunit alpha	17.86	17.96	18.31	18.26	0.10	-0.05	0.45	0.30	0.08	-0.18	0.17	-0.09	0.99
NCU07574	hypothetical protein	17.01	16.15	16.10	17.47	-0.86	1.37	-0.91	1.32	-0.88	1.24	-1.19	0.93	0.99
NCU08595	ribosome biogenesis protein	13.58	14.97	15.21	14.82	1.39	-0.39	1.63	-0.15	1.37	-0.52	1.35	-0.54	0.99
NCU09709	T-complex protein 1 subunit zeta	17.60	17.97	18.28	17.93	0.37	-0.35	0.68	-0.04	0.35	-0.48	0.40	-0.43	0.99
NCU01523	GTP-binding protein ypt3	16.27	15.13	17.71	16.66	-1.14	-1.05	1.44	1.53	-1.16	-1.18	1.16	1.14	0.99
NCU06042	FAD dependent oxidoreductase	18.34	18.65	18.94	17.48	0.31	-1.46	0.60	-1.17	0.29	-1.59	0.32	-1.56	0.99
NCU06047	40S ribosomal protein S2	22.30	22.32	22.14	22.71	0.02	0.57	-0.16	0.39	0.00	0.44	-0.44	0.00	0.98
NCU11357	cell cycle control protein	16.86	16.43	16.22	17.31	-0.43	1.09	-0.64	0.88	-0.45	0.96	-0.92	0.49	0.98
NCU07868	hypothetical protein	17.99	18.20	18.45	19.17	0.21	0.72	0.46	0.97	0.19	0.59	0.18	0.58	0.98
NCU04164	hypothetical protein	18.55	17.68	17.96	17.31	-0.87	-0.65	-0.59	-0.37	-0.89	-0.78	-0.87	-0.76	0.98
NCU09547	U4/U6.U5 tri-snRNP-associated protein 2	12.82	13.36	14.06	13.15	0.54	-0.91</							

NCU01412	proline-3	19.74	20.55	20.21	20.20	0.81	-0.01	0.47	-0.35	0.79	-0.14	0.19	-0.74	0.95
NCU05410	arginine-5	15.57	15.66	16.05	13.99	0.09	-2.06	0.48	-1.67	0.07	-2.19	0.20	-2.06	0.94
NCU01793	RNA binding domain-containing protein	19.15	17.87	18.20	18.16	-1.28	-0.04	-0.95	0.29	-1.30	-0.17	-1.23	-0.10	0.94
NCU00200	tryptophan-1	19.77	19.91	20.27	20.12	0.14	-0.15	0.50	0.21	0.12	-0.28	0.22	-0.18	0.94
NCU10067	regulatory particle, non-ATPase-like-12	18.00	17.71	17.86	19.05	-0.29	1.19	-0.14	1.34	-0.31	1.06	-0.42	0.95	0.94
NCU04904	hypothetical protein	15.79	15.80	16.10	15.58	0.01	-0.52	0.31	-0.22	-0.01	-0.65	0.03	-0.61	0.94
NCU04153	pseudouridine synthase	15.99	15.73	15.89	16.79	-0.26	0.90	-0.10	1.06	-0.28	0.77	-0.38	0.67	0.94
NCU02657	ethionine resistant-1	22.77	22.52	22.80	22.58	-0.25	-0.22	0.03	0.06	-0.27	-0.35	-0.25	-0.33	0.94
NCU06875	hypothetical protein	17.02	18.44	17.54	17.53	1.42	-0.01	0.52	-0.91	1.40	-0.14	0.24	-1.30	0.94
NCU09744	nuclear pore complex subunit	17.10	16.71	16.22	17.67	-0.39	1.45	-0.88	0.96	-0.41	1.32	-1.16	0.57	0.93
NCU06836	acetate utilization-5	17.03	16.98	17.27	16.93	-0.05	-0.34	0.24	-0.05	-0.07	-0.47	-0.04	-0.44	0.93
NCU02433	ATG4 protein	14.55	14.13	14.20	15.60	-0.42	1.40	-0.35	1.47	-0.44	1.27	-0.63	1.08	0.93
NCU02765	RNA binding protein	16.25	15.75	15.29	16.90	-0.50	1.61	-0.96	1.15	-0.52	1.48	-1.24	0.76	0.93
NCU02335	short chain dehydrogenase	12.80	14.63	14.29	13.68	1.83	-0.61	1.49	-0.95	1.81	-0.74	1.21	-1.34	0.92
NCU01290	centromere/microtubule-binding protein CBF5	17.06	16.31	15.87	17.92	-0.75	2.05	-1.19	1.61	-0.77	1.92	-1.47	1.22	0.92
NCU07365	proteasome catalytic beta-7	18.36	18.75	18.87	18.85	0.39	-0.02	0.51	0.10	0.37	-0.15	0.23	-0.29	0.92
NCU08133	carbonic anhydrase 2	20.00	20.14	20.68	20.34	0.14	-0.34	0.68	0.20	0.12	-0.47	0.40	-0.19	0.92
NCU00326	calcium homeostasis protein Regucalcin	18.50	17.72	18.54	18.81	-0.78	0.27	0.04	1.09	-0.80	0.14	-0.24	0.70	0.92
NCU01855	hypothetical protein	13.90	14.51	15.17	13.74	0.61	-1.43	1.27	-0.77	0.59	-1.56	0.99	-1.16	0.92
NCU06247	hypothetical protein	18.26	18.70	19.32	18.35	0.44	-0.97	1.06	-0.35	0.42	-1.10	0.78	-0.74	0.91
NCU02509	60S ribosomal protein L11	19.84	19.67	19.82	20.52	-0.17	0.70	-0.02	0.85	-0.19	0.57	-0.30	0.46	0.91
NCU00413	60S ribosomal protein L2	21.34	21.56	21.15	21.78	0.22	0.63	-0.19	0.22	0.20	0.50	-0.47	-0.17	0.91
NCU07831	eukaryotic translation initiation factor 3	20.44	20.22	20.25	21.01	-0.22	0.76	-0.19	0.79	-0.24	0.63	-0.47	0.40	0.91
NCU09700	T-complex protein 1 subunit beta	17.64	18.28	18.42	18.35	0.64	-0.07	0.78	0.07	0.62	-0.20	0.50	-0.32	0.91
NCU03283	2-keto-4-pentenoate hydratase	18.45	18.81	19.30	18.45	0.36	-0.85	0.85	-0.36	0.34	-0.98	0.57	-0.75	0.91
NCU08671	phosphomevalonate kinase	18.53	19.64	19.68	19.46	1.11	-0.22	1.15	-0.18	1.09	-0.35	0.87	-0.57	0.91
NCU09347	fructose-2,6-bisphosphatase	15.59	13.63	18.03	15.79	-1.96	-2.24	2.44	2.16	-1.98	-2.37	2.16	1.77	0.91
NCU07366	glucosamine-fructose-6-phosphate aminotransferase	19.90	19.74	20.05	20.24	-0.16	0.19	0.15	0.50	-0.18	0.06	-0.13	0.11	0.91
NCU04237	phosphopantothénylcysteine decarboxylase	15.90	15.40	15.80	16.11	-0.50	0.31	-0.10	0.71	-0.52	0.18	-0.38	0.32	0.91
NCU08840	chromatin remodeling complex subunit	16.37	14.76	17.02	16.64	-1.61	-0.38	0.65	1.88	-1.63	-0.51	0.37	1.49	0.90
NCU04909	hypothetical protein	17.20	16.40	17.00	17.40	-0.80	0.40	-0.20	1.00	-0.82	0.27	-0.48	0.61	0.90
NCU08040	NEDD8-activating enzyme E1 regulatory subunit	17.18	16.02	16.84	17.33	-1.16	0.49	-0.34	1.31	-1.18	0.36	-0.62	0.92	0.90
NCU02798	hypothetical protein	19.19	19.36	20.20	19.47	0.17	-0.73	1.01	0.11	0.15	-0.86	0.73	-0.28	0.90
NCU09442	DUF757 domain-containing protein	16.05	15.40	16.86	16.39	-0.65	-0.47	0.81	0.99	-0.67	-0.60	0.53	0.60	0.90
NCU02385	hypothetical protein	15.77	15.77	14.46	16.37	0.00	1.91	-1.31	0.60	-0.02	1.78	-1.59	0.21	0.90
NCU07167	isoflavone reductase	19.62	20.06	20.28	20.47	0.44	0.19	0.66	0.41	0.42	0.06	0.38	0.02	0.90
NCU02010	leucine-4	20.52	19.59	20.83	20.83	-0.93	0.00	0.31	1.24	-0.95	-0.13	0.03	0.85	0.89
NCU01240	hypothetical protein	18.12	17.94	18.05	18.90	-0.18	0.85	-0.07	0.96	-0.20	0.72	-0.35	0.57	0.89
NCU08627	cytoplasmic ribosomal protein-7	19.53	19.65	20.10	19.85	0.12	-0.25	0.57	0.20	0.10	-0.38	0.29	-0.19	0.89
NCU02788	ricB-like	15.31	15.70	16.26	14.98	0.39	-1.28	0.95	-0.72	0.37	-1.41	0.67	-1.11	0.89
NCU02605	DNA-directed RNA polymerase I/II/III subunit 10	14.53	14.40	14.89	15.24	2.87	0.35	0.36	-2.16	2.85	0.22	0.08	-2.55	0.89
NCU06684	RNA binding protein	17.57	16.14	17.09	17.63	-1.43	0.54	-0.48	1.49	-1.45	0.41	-0.76	1.10	0.89
NCU03804	serine/threonine-protein phosphatase 2B catalytic subunit	18.32	17.37	17.90	18.32	-0.95	0.42	-0.42	0.95	-0.97	0.29	-0.70	0.56	0.89
NCU03836	O-sialoglycoprotein endopeptidase	17.05	16.09	16.67	17.10	-0.96	0.43	-0.38	1.01	-0.98	0.30	-0.66	0.62	0.89
NCU02124	dienelactone hydrolase	20.82	21.25	21.30	21.32	0.43	0.02	0.48	0.07	0.41	-0.11	0.20	-0.32	0.88
NCU02393	mitogen-activated protein kinase-2	19.14	19.39	20.10	19.32	0.25	-0.78	0.96	-0.07	0.23	-0.91	0.68	-0.46	0.88
NCU02397	isoleucine-valine-5	19.82	19.80	20.28	20.20	-0.02	-0.08	0.46	0.40	-0.04	-0.21	0.18	0.01	0.88
NCU02076	eukaryotic translation initiation factor 4E	14.03	15.50	15.60	16.11	1.47	0.51	1.57	0.61	1.45	0.38	1.29	0.22	0.87
NCU07126	hypothetical protein	14.05	14.56	14.48	14.54	0.51	0.06	0.43	-0.02	0.49	-0.07	0.15	-0.41	0.87
NCU06556	thioredoxin II	21.30	21.21	21.36	21.90	-0.09	0.54	0.06	0.69	-0.11	0.41	-0.22	0.30	0.87
NCU02560	hypothetical protein	17.68	16.67	17.42	17.81	-1.01	0.39	-0.26	1.14	-1.03	0.26	-0.54	0.75	0.87
NCU02634	hypothetical protein	18.67	17.96	18.36	18.61	-0.71	0.25	-0.31	0.65	-0.73	0.12	-0.59	0.26	0.87
NCU07182	40S ribosomal protein S24	21.31	21.82	21.55	21.77	0.51	0.22	0.24	-0.05	0.49	0.09	-0.04	-0.44	0.87
NCU00707	hypothetical protein	14.81	15.91	14.63	15.33	1.10	0.70	-0.18	-0.58	1.08	0.57	-0.46	-0.97	0.87
NCU02505	succinate	23.20	22.95	23.24	23.18	-0.25	-0.06	0.04	0.23	-0.27	-0.19	-0.24	-0.16	0.87
NCU09109	60S ribosomal protein L33	17.46	20.22	19.88	19.44	2.76	-0.44	2.42	-0.78	2.74	-0.57	2.14	-1.17	0.87
NCU09803	thioredoxin	17.65	16.75	17.11	16.85	-0.90	-0.26	-0.54	0.10	-0.92	-0.39	-0.82	-0.29	0.87
NCU02133	superoxide dismutase-1	22.33	22.25	23.00	22.68	-0.08	-0.32	0.67	0.43	-0.10	-0.45	0.39	0.04	0.87
NCU08669	betaine aldehyde dehydrogenase 2	20.00	19.74	20.19	20.35	-0.26	0.16	0.19	0.61	-0.28	0.03	-0.09	0.22	0.86
NCU06923	methionine aminopeptidase 1	17.96	18.58	18.57	18.55	0.62	-0.02	0.61	-0.03	0.60	-0.15	0.33	-0.42	0.86
NCU00629	emmbden-meyerhof pathway-3	21.66	22.34	22.27	22.25	0.68	-0.02	0.61	-0.09	0.66	-0.15	0.33	-0.48	0.86
NCU02720	hypothetical protein	17.50	16.67	17.56	17.75	-0.83	0.19	0.06	1.08	-0.85	0.06	-0.22	0.69	0.86
NCU04510	glycerol dehydrogenase-3	20.90	20.82	21.76	21.21	-0.08	-0.55	0.86	0.39	-0.10	-0.68	0.58	0.00	0.85
NCU04221	trehalase-2	14.89	15.33	13.54	15.54	0.44	2.00	-1.35	0.21	0.42	1.87	-1.63	-0.18	0.85
NCU04280	aconitate hydratase	15.47	15.54	15.76	16.18	0.07	0.42	0.29	0.64	0.05	0.29	0.01	0.25	0.85
NCU08955	UBX domain-containing protein	13.25	14.15	16.41	12.43	0.90	-3.98	3.16	-1.72	0.88	-4.11	2.88	-2.11	0.85
NCU03050	ARP2/3 complex 34 kDa subunit	19.72	19.72	19.95	20.22	0.00	0.27	0.23	0.50	-0.02	0.14	-0.05	0.11	0.85
NCU06702	yop-1	17.33	16.10	16.56	16.64	-1.23	0.08	-0.77	0.54	-1.25	-0.05	-1.05	0.15	0.85
NCU03980	T-complex protein 1 subunit epsilon	17.78	17.96	18.14	18.87	0.18	0.73	0.36	0.91	0.16	0.60	0.08	0.52	0.85
NCU05554	unknown-25	21.86	21.84	21.95	22.32	-0.02	0.37	0.09	0.48	-0.04	0.24	-0.19	0.09	0.85
NCU02438	dihydrolipamide succinyltransferase	17.00	16.75	18.23	17.25	-0.25	-0.98	1.23	0.50	-0.27	-1.11	0.95	0.11	0.84
NCU06431	40S ribosomal protein S22	20.63	20.71	21.50	20.87	0.08	-0.63	0.87	0.16	0.06	-0.76	0.59	-0.23	0.84
NCU03304	proteasome catalytic beta-3	18.32	19.51	19.30	19.19	1.19	-0.11	0.98	-0.32	1.17	-0.24	0.70	-0.71	0.83
NCU06622	U2 small nuclear ribonucleoprotein A'	13.85	16.03	14.21	14.61	2.18	0.40	0.36	-1.42	2.16	0.27	0.08	-1.81	0.83
NCU08935	peroxisomal-coenzyme A synthetase	17.47	16.43	17.15	17.48	-1.04	0.33	-0.32	1.05	-1.06	0.20	-0.60	0.66	0.83
NCU08973	SNARE protein Ykt6	15.35	15.41	17.22	15.35	0.06	-1.87	1.87	-0.06	0.04	-2.00	1.59	-0.45	0.83
NCU10061	proteasome catalytic alpha-1	19.42	19.85	19.76	19.90	0.43	0.14	0.34	0.05	0.41	0.01	0.06	-0.34	0.83
NCU06464	hypothetical protein	21.34	21.80	20.81	21.88	0.46	1.07	-0.53	0.08	0.44	0.94	-0.81	-0.31	0.83
NCU00477	carboxypeptidase Y	19.15	17.92	18.91	19.21	-1.23	0.30	-0.24	1.29	-1.25	0.17	-0.52	0.90	0.83
NCU07929	eukaryotic translation initiation factor 3 subunit 3	18.06	18.30	17.01	18.73	0.24	1.72	-1.05	0.43	0.22	1.59	-1.33	0.04	0.82
NCU00519	ribulose-phosphate 3-epimerase	18.51	18.48	17.81	19.19	-0.03	1.38	-0.70	0.71	-0.05	1.25	-0.98	0.32	0.82
NCU06664	translin	15.44	15.42	15.49	16.44	-0.02	0.95	0.05	1.02	-0.04	0.82	-0.23	0.63	0.82
NCU00726	cyclosporin-resistant-1	23.80	23.											



NCU00040	eukaryotic translation initiation factor 3 110 kDa subunit	20.02	20.03	19.80	20.60	0.01	0.80	-0.22	0.57	-0.01	0.67	-0.50	0.18	0.79
NCU06101	hypothetical protein	14.75	14.42	13.47	16.61	-0.33	3.14	-1.28	2.19	-0.35	3.01	-1.56	1.80	0.79
NCU08677	hypothetical protein	17.38	17.49	18.11	17.44	0.11	-0.67	0.73	-0.05	0.09	-0.80	0.45	-0.44	0.79
NCU08003	RSC complex subunit	16.50	15.86	16.25	15.87	-0.64	-0.38	-0.25	0.01	-0.66	-0.51	-0.53	-0.38	0.78
NCU07723	norsolorinic acid reductase	16.72	16.35	17.06	17.05	-0.37	-0.01	0.34	0.70	-0.39	-0.14	0.06	0.31	0.78
NCU06652	S	21.45	22.09	22.23	22.58	0.64	0.35	0.78	0.49	0.62	0.22	0.50	0.10	0.78
NCU07987	cystathionine beta-lyase	16.50	17.19	15.90	17.12	0.69	1.22	-0.60	-0.07	0.67	1.09	-0.88	-0.46	0.77
NCU05542	xanthine phosphoribosyltransferase 1	17.21	17.93	17.46	17.76	0.72	0.30	0.25	-0.17	0.70	0.17	-0.03	-0.56	0.77
NCU02840	regulatory particle, ATPase-like-1	18.27	18.37	19.41	18.21	0.10	-1.20	1.14	-0.16	0.08	-1.33	0.86	-0.55	0.77
NCU06348	myo-inositol-1-monophosphatase	18.09	17.13	18.70	18.30	-0.96	-0.40	0.61	1.17	-0.98	-0.53	0.33	0.78	0.77
NCU01021	eukaryotic translation initiation factor 3 subunit EIFC	18.61	18.92	18.50	19.11	0.31	0.61	-0.11	0.19	0.29	0.48	-0.39	-0.20	0.77
NCU02619	tRNA-dihydrouridine synthase 3	16.36	16.27	15.97	17.59	-0.09	1.62	-0.39	1.32	-0.11	1.49	-0.67	0.93	0.77
NCU07832	pre-mRNA processing splicing factor 8	13.07	14.70	14.58	14.92	1.63	0.34	1.51	0.22	1.61	0.21	1.23	-0.17	0.76
NCU09089	hypothetical protein	16.17	20.05	19.43	20.20	3.88	0.77	3.26	0.15	3.86	0.64	2.98	-0.24	0.76
NCU01666	isoleucine-valine-4	15.97	16.67	15.50	16.58	0.70	1.08	-0.47	-0.09	0.68	0.95	-0.75	-0.48	0.75
NCU09545	methylenetetrahydrofolate reductase 2	15.06	16.85	16.55	16.70	1.79	0.15	1.49	-0.15	1.77	0.02	1.21	-0.54	0.75
NCU09715	alpha,alpha-trehalose-phosphate synthase	19.12	18.33	19.96	19.32	-0.79	-0.64	0.84	0.99	-0.81	-0.77	0.56	0.60	0.74
NCU02207	T-complex protein 1 subunit beta	17.85	18.27	18.44	18.72	0.42	0.28	0.59	0.45	0.40	0.15	0.31	0.06	0.74
NCU15835	hypothetical protein	15.57	15.69	14.11	16.76	0.12	2.65	-1.46	1.07	0.10	2.52	-1.74	0.68	0.74
NCU03436	tangerine	15.07	15.92	15.20	15.66	0.85	0.46	0.13	-0.26	0.83	0.33	-0.15	-0.65	0.74
NCU09371	6,7-dimethyl-8-ribityllumazine synthase	17.84	18.40	18.15	18.38	0.56	0.23	0.31	-0.02	0.54	0.10	0.03	-0.41	0.74
NCU10083	spermidine-2	16.76	15.41	15.99	15.71	-1.35	-0.28	-0.77	0.30	-1.37	-0.41	-1.05	-0.09	0.74
NCU04016	phosphoglycerate mutase	16.14	16.14	17.32	16.07	0.00	-1.25	1.18	-0.07	-0.02	-1.38	0.90	-0.46	0.74
NCU11259	hypothetical protein	15.60	16.13	14.81	16.32	0.53	1.51	-0.79	0.19	0.51	1.38	-0.17	-0.20	0.73
NCU01420	hypothetical protein	16.84	16.68	17.60	15.50	-0.16	-2.10	0.76	-1.18	-0.18	-2.23	0.48	-1.57	0.73
NCU06943	SIK1	17.49	17.43	16.61	18.84	-0.06	2.23	-0.88	1.41	-0.08	2.10	-1.16	1.02	0.73
NCU00364	hypothetical protein	16.84	17.17	16.55	17.41	0.33	0.86	-0.29	0.24	0.31	0.73	-0.57	-0.15	0.73
NCU06003	mannose-1-phosphate guanylyltransferase	19.05	19.08	19.55	19.26	0.03	-0.29	0.50	0.18	0.01	-0.42	0.22	-0.21	0.73
NCU00480	ubiquitin C-terminal hydrolase	15.41	14.27	15.51	15.49	-1.14	-0.02	0.10	1.22	-1.16	-0.15	-0.18	0.83	0.73
NCU16822	hypothetical protein	19.56	19.65	19.37	20.15	0.09	0.78	-0.19	0.50	0.07	0.65	-0.47	0.11	0.73
NCU04086	hydrolase	16.84	17.49	17.59	18.24	0.65	0.65	0.75	0.75	0.63	0.52	-0.47	0.36	0.73
NCU01221	60S ribosomal protein L16	21.34	20.14	21.00	21.16	-1.20	0.16	-0.34	1.02	-1.22	0.03	-0.62	0.63	0.73
NCU05983	3,4-dihydroxy-2-butanone 4-phosphate synthase	18.26	17.29	18.10	18.24	-0.97	0.14	-0.16	0.95	-0.99	0.01	-0.44	0.56	0.72
NCU00443	ran-specific GTPase-activating protein 1	21.08	21.59	21.49	21.65	0.51	0.16	0.41	0.06	0.49	0.03	0.13	-0.33	0.71
NCU04592	3-oxoacyl	17.61	18.56	18.46	18.61	0.95	0.15	0.85	0.05	0.93	0.02	0.57	-0.34	0.71
NCU06112	glutamate decarboxylase	18.03	18.94	18.26	18.67	0.91	0.41	0.23	-0.27	0.89	0.28	-0.05	-0.66	0.70
NCU02480	short-chain dehydrogenase/reductase	20.15	20.58	20.66	20.80	0.43	0.14	0.51	0.22	0.41	0.01	0.23	-0.17	0.69
NCU03358	ketoreductase	18.33	18.74	18.85	19.51	0.41	0.66	0.52	0.77	0.39	0.53	0.24	0.38	0.69
NCU08330	hypothetical protein	20.50	20.21	20.61	20.23	-0.29	-0.38	0.11	0.02	-0.31	-0.51	-0.17	-0.37	0.68
NCU01612	pre-mRNA splicing factor ATP-dependent RNA helicase PRP43	12.90	13.48	13.24	15.11	0.58	1.87	0.34	1.63	0.56	1.74	0.06	1.24	0.68
NCU01956	encodes anonymous transcript-2	16.83	14.62	16.15	16.18	-2.21	0.03	-0.68	1.56	-2.23	-0.10	-0.96	1.17	0.68
NCU08275	aromatic-L-amino-acid decarboxylase	16.71	17.35	17.41	17.66	0.64	0.25	0.70	0.31	0.62	0.12	0.42	-0.08	0.68
NCU06340	TPR repeat protein	16.43	16.13	16.55	16.10	-0.30	-0.45	0.12	-0.03	-0.32	-0.58	-0.16	-0.42	0.68
NCU07808	hypothetical protein	17.43	17.55	17.25	18.72	0.12	1.47	-0.18	1.17	0.10	1.34	-0.46	0.78	0.67
NCU07367	regulatory particle, ATPase-like-4	19.20	18.36	19.71	19.35	-0.84	-0.36	0.51	0.99	-0.86	-0.49	0.23	0.60	0.66
NCU06210	hypothetical protein	21.04	20.38	20.90	20.93	-0.66	0.03	-0.14	0.55	-0.68	-0.10	-0.42	0.16	0.65
NCU00194	ornithine transaminase	21.43	21.66	21.24	22.05	0.23	0.81	-0.19	0.39	0.21	0.68	-0.47	0.00	0.65
NCU03936	tRNA methyltransferase	13.56	15.20	14.84	16.86	1.64	2.02	1.28	1.66	1.62	1.89	1.00	1.27	0.65
NCU04323	dihydroorotase	19.10	19.39	18.57	19.93	0.29	1.36	-0.53	0.54	0.27	1.23	-0.81	0.15	0.65
NCU08936	clock-controlled gene-15	17.97	18.65	17.12	18.88	0.68	1.76	-0.85	0.23	0.66	1.63	-1.13	-0.16	0.64
NCU00463	kynureninase	18.36	18.03	18.92	17.34	-0.33	-1.58	0.56	-0.69	-0.35	-1.71	0.28	-1.08	0.64
NCU09602	heat shock protein 70-1	24.82	24.48	24.96	25.05	-0.34	0.09	0.14	0.57	-0.36	-0.04	-0.14	0.18	0.64
NCU01843	T-complex protein 1 subunit gamma	19.03	18.98	19.55	19.27	-0.05	-0.28	0.52	0.29	-0.07	-0.41	0.24	-0.10	0.64
NCU08811	arf GTPase-activating protein	15.15	14.36	16.60	14.99	-0.79	-1.61	1.45	0.63	-0.81	-1.74	1.17	0.24	0.63
NCU02003	translation elongation factor-1	24.36	24.85	24.83	25.01	0.49	0.18	0.47	0.16	0.47	0.05	0.19	-0.23	0.63
NCU06457	asparaginyl-tRNA synthetase	20.40	20.89	20.11	21.08	0.49	0.97	-0.29	0.19	0.47	0.84	-0.57	-0.20	0.62
NCU07127	dienelactone hydrolase	16.54	16.17	17.57	16.54	-0.37	-1.03	1.03	0.37	-0.39	-1.16	0.75	-0.02	0.62
NCU03087	diploid state maintenance protein chpA	15.83	17.29	16.73	17.03	1.46	0.30	0.90	-0.26	1.44	0.17	0.62	-0.65	0.62
NCU01433	phosphoprotein phosphatase-1	16.77	17.83	17.74	18.52	1.06	0.78	0.97	0.69	1.04	0.65	0.69	0.30	0.61
NCU02459	DUF52 domain-containing protein	17.21	16.34	18.23	17.21	-0.87	-1.02	1.02	0.87	-0.89	-1.15	0.74	0.48	0.61
NCU03151	peroxisomal membrane protein	21.05	21.64	21.54	21.75	0.59	0.21	0.49	0.11	0.57	0.08	0.21	-0.28	0.60
NCU03768	lysophospholipase	17.67	17.35	18.57	17.71	-0.32	-0.86	0.90	0.36	-0.34	-0.99	0.62	-0.03	0.60
NCU03370	hypothetical protein	14.67	16.43	14.91	15.70	1.76	0.79	0.24	-0.73	1.74	0.66	-0.04	-1.12	0.60
NCU02430	cystathionine gamma-synthase	18.65	18.83	19.00	19.38	0.18	0.38	0.35	0.55	0.16	0.25	0.07	0.16	0.59
NCU07734	zinc finger protein gcs1	15.21	13.86	15.17	15.01	-1.35	-0.16	-0.04	1.15	-1.37	-0.29	-0.32	0.76	0.59
NCU02707	60S ribosomal protein L6	20.94	21.64	21.28	21.61	0.70	0.33	0.34	-0.03	0.68	0.20	0.06	-0.42	0.59
NCU01486	IKI3 family protein	16.22	16.74	16.81	17.35	0.52	0.54	0.59	0.61	0.50	0.41	0.31	0.22	0.59
NCU11173	thiamine-phosphate pyrophosphorylase	17.32	17.81	17.90	18.31	0.49	0.41	0.58	0.50	0.47	0.28	0.30	0.11	0.59
NCU04642	adenosine deaminase	16.24	15.48	16.03	15.86	-0.76	-0.17	-0.21	0.38	-0.78	-0.30	-0.49	-0.01	0.58
NCU01328	transketolase	24.70	24.39	24.78	24.61	-0.31	-0.17	0.08	0.22	-0.33	-0.30	-0.20	-0.17	0.58
NCU09269	ran-like	21.78	21.65	22.10	21.75	-0.13	-0.35	0.32	0.10	-0.15	-0.48	0.04	-0.29	0.58
NCU00582	cryptochrome	15.31	14.12	15.71	15.27	-1.19	-0.44	0.40	1.15	-1.21	-0.57	0.12	0.76	0.58
NCU03972	regulatory particle, non-ATPase-like-7	19.17	18.81	19.30	19.36	-0.36	0.06	0.13	0.55	-0.38	-0.07	-0.15	0.16	0.57
NCU03282	3-hydroxyanthranilate 3,4-dioxygenase	19.35	19.15	19.68	19.14	-0.20	-0.54	0.33	-0.01	-0.22	-0.67	0.05	-0.40	0.57
NCU01667	arginine-12	17.01	18.32	17.98	18.41	1.31	0.43	0.97	0.09	1.29	0.30	0.69	-0.30	0.57
NCU00147	ARD/ARD family protein	19.75	19.69	20.10	19.91	-0.06	-0.19	0.35	0.22	-0.08	-0.32	0.07	-0.17	0.56
NCU06743	hypothetical protein	20.50	20.83	20.46	21.10	0.33	0.64	-0.04	0.27	0.31	0.51	-0.32	-0.12	0.56
NCU06876	adenosine 5'-monophosphoramidase	16.64	17.17	17.04	18.18	0.53	1.14	0.40	1.01	0.51	1.01	0.12	0.62	0.56
NCU06821	CRO1 protein	16.07	14.76	15.61	15.35	-1.31	-0.26	-0.46	0.59	-1.33	-0.39	-0.74	0.20	0.55
NCU01444	reb small monomeric GTPase Rbha	16.24	16.15	16.54	16.36	-0.09	-0.18	0.30	0.21	-0.11	-0.31	0.02	-0.18	0.55
NCU07539	hypothetical protein	18.25	16.89	18.07	17.89	-1.36	-0.18	-0.18	1.00	-1.38	-0.31	-0.46	0.61	0.54
NCU06360	histidinol-phosphate aminotransferase	19.69	19.64	20.06	19.90	-0.05	-0.16	0.37	0.26	-0.07	-0.29	0.09	-0.13	0.54
NCU05301	methyltransferase	19.46	20.4											

NCU07380	eukaryotic translation initiation factor 3	18.57	18.79	18.82	19.41	0.22	0.59	0.25	0.62	0.20	0.46	-0.03	0.23	0.46
NCU00867	hypothetical protein	16.54	15.09	16.81	16.23	-1.45	-0.58	0.27	1.14	-1.47	-0.71	-0.01	0.75	0.46
NCU04648	glutamine-dependent NA	17.37	17.82	17.64	18.67	0.45	1.03	0.27	0.85	0.43	0.90	-0.01	0.46	0.46
NCU08960	hypothetical protein	19.95	20.64	20.22	20.69	0.69	0.47	0.27	0.05	0.67	0.34	-0.01	-0.34	0.45
NCU00915	aspartyl-tRNA synthetase	21.66	21.85	21.80	22.20	0.19	0.40	0.14	0.35	0.17	0.27	-0.14	-0.04	0.44
NCU11365	aminotransferase	19.21	19.76	19.27	19.91	0.55	0.64	0.06	0.15	0.53	0.51	-0.22	-0.24	0.43
NCU00464	60S ribosomal protein L32	20.58	21.74	20.85	21.57	1.16	0.72	0.27	-0.17	1.14	0.59	-0.01	-0.56	0.43
NCU03870	hypothetical protein	17.83	17.23	18.53	17.79	-0.60	-0.74	0.70	0.56	-0.62	-0.87	0.42	0.17	0.43
NCU09536	hypothetical protein	17.00	17.73	16.55	18.32	0.73	1.77	-0.45	0.59	0.71	1.64	-0.73	0.20	0.42
NCU03988	60S ribosomal protein L18	18.89	19.38	18.84	19.65	0.49	0.81	-0.05	0.27	0.47	0.68	-0.33	-0.12	0.42
NCU07352	hypothetical protein	19.11	18.33	19.38	19.09	-0.78	-0.29	0.27	0.76	-0.80	-0.42	-0.01	0.37	0.42
NCU08423	bromodomain protein-3	15.55	14.09	15.18	14.65	-1.46	-0.53	-0.37	0.56	-1.48	-0.66	-0.65	0.17	0.41
NCU07459	protein arginine N-methyltransferase-1	18.72	19.04	18.88	19.30	0.32	0.42	0.16	0.26	0.30	0.29	-0.12	-0.13	0.41
NCU06687	glycogen synthase-1	20.32	20.03	20.47	20.30	-0.29	-0.17	0.15	0.27	-0.31	-0.30	-0.13	-0.12	0.40
NCU05667	anchored cell wall protein-3	18.04	16.56	19.36	15.69	-1.48	-3.67	1.32	-0.87	-1.50	-3.80	-1.04	-1.26	0.40
NCU10073	actin binding protein	17.30	16.75	17.46	16.75	-0.55	-0.71	0.16	0.00	-0.57	-0.84	-0.12	-0.39	0.40
NCU03200	serine/threonine protein kinase-10	16.24	15.21	16.28	15.98	-1.03	-0.30	0.04	0.77	-1.05	-0.43	-0.24	0.38	0.40
NCU03100	pentose phosphate metabolism-2	20.42	25.10	25.57	25.34	-0.32	-0.23	0.15	0.24	-0.34	-0.36	-0.13	-0.15	0.39
NCU06232	leucine-1	25.95	20.90	21.21	21.25	-0.05	0.04	0.26	0.35	-0.07	-0.09	-0.02	-0.04	0.37
NCU00505	small nuclear ribonucleoprotein Sm D1	16.56	17.08	16.45	17.57	0.52	1.12	-0.11	0.49	0.50	0.99	-0.39	0.10	0.36
NCU08944	N-acetyltransferase complex ARD1 subunit	16.99	18.14	16.65	18.41	1.15	1.76	-0.34	0.27	1.13	1.63	-0.62	-0.12	0.32
NCU04118	aspartokinase	16.33	16.89	16.46	17.61	0.56	1.15	0.13	0.72	0.54	1.02	-0.15	0.33	0.31
NCU03234	ubr1-like	13.64	16.05	14.06	15.59	2.41	1.53	0.42	-0.46	2.39	1.40	0.14	-0.85	0.31
NCU07776	anchored cell wall protein-5	16.84	18.83	17.84	19.25	1.99	1.41	1.00	0.42	1.97	1.28	0.72	0.03	0.31
NCU09783	D-isomer specific 2-hydroxyacid dehydrogenase	16.28	17.65	16.16	17.61	1.37	1.45	-0.12	-0.04	1.35	1.32	-0.40	-0.43	0.31
NCU07814	DUF89 domain-containing protein	17.59	18.21	18.02	18.83	0.62	0.81	0.43	0.62	0.60	0.68	0.15	0.23	0.31
NCU03084	inosine-uridine preferring nucleoside hydrolase	19.96	19.79	20.20	20.23	-0.17	0.03	0.24	0.44	-0.19	-0.10	-0.04	0.05	0.31
NCU06031	rehydrin	22.32	22.58	22.56	23.11	0.26	0.55	0.24	0.53	0.24	0.42	-0.04	0.14	0.30
NCU02542	emdben-meyerhof pathway-1	22.03	21.58	22.14	21.96	-0.45	-0.18	0.11	0.38	-0.47	-0.31	-0.17	-0.01	0.30
NCU09572	ARP2/3 complex 21 kDa subunit	17.61	18.14	17.88	18.80	0.53	0.92	0.27	0.66	0.51	0.79	-0.01	0.27	0.29
NCU00838	3-dehydroshikimate dehydratase	15.88	14.77	15.91	14.74	-1.11	-1.17	0.03	-0.03	-1.13	-1.30	-0.25	-0.42	0.28
NCU09469	EF hand domain-containing protein	16.77	17.37	16.98	17.56	0.60	0.58	0.21	0.19	0.58	0.45	-0.07	-0.20	0.28
NCU05488	RNA-binding protein Vip1	21.20	20.37	21.21	20.60	-0.83	-0.61	0.01	0.23	-0.85	-0.74	-0.27	-0.16	0.28
NCU00112	aminopeptidase P	18.31	16.83	18.16	16.89	-1.48	-1.27	-0.15	0.06	-1.50	-1.40	-0.43	-0.33	0.26
NCU02839	T-complex protein 1	18.31	18.82	18.66	18.39	0.51	0.73	0.35	0.57	0.49	0.60	0.07	0.18	0.25
NCU06099	hypothetical protein	16.29	17.42	16.13	18.09	1.13	1.96	-0.16	0.67	1.11	1.83	-0.44	0.28	0.24
NCU00295	hypothetical protein	19.39	15.48	17.05	15.87	-0.91	-1.18	0.66	0.39	-0.93	-1.31	0.38	0.00	0.24
NCU02786	hypothetical protein	16.06	18.84	19.38	19.13	-0.22	-0.25	0.32	0.29	-0.24	-0.38	0.04	-0.10	0.24
NCU01704	NADP:D-xylose dehydrogenase	18.09	16.54	18.80	17.14	-1.55	-1.66	0.71	0.60	-1.57	-1.79	0.43	0.21	0.20
NCU00087	pentose phosphate metabolism-1	20.31	20.16	20.62	20.50	-0.15	-0.12	0.31	0.34	-0.17	-0.25	0.03	-0.05	0.19
NCU09911	formyltetrahydrofolate deformylase	19.89	20.28	20.07	20.63	0.39	0.56	0.18	0.35	0.37	0.43	-0.10	-0.04	0.18
NCU03539	unknown-24	18.37	16.88	18.86	16.85	-1.49	-2.01	0.49	-0.03	-1.51	-2.14	0.21	-0.42	0.18
NCU03859	MYG1 protein	17.54	18.26	17.88	18.83	0.72	0.95	0.34	0.57	0.70	0.82	0.06	0.18	0.18
NCU04759	nuclear transport factor 2	20.32	20.08	20.57	20.51	-0.24	-0.06	0.25	0.43	-0.26	-0.19	-0.03	0.04	0.16
NCU06578	KapG	19.03	18.57	19.25	19.03	-0.46	-0.22	0.22	0.46	-0.48	-0.35	-0.06	0.07	0.16
NCU03009	zuo1n	19.00	18.16	19.11	18.54	-0.84	-0.57	0.11	0.38	-0.86	-0.70	-0.17	-0.01	0.15
NCU07608	pentose phosphate metabolism-3	19.37	19.87	19.56	20.21	0.50	0.65	0.19	0.34	0.48	0.52	-0.09	-0.05	0.14
NCU02813	eukaryotic translation initiation factor 3 subunit M	19.29	18.93	19.63	19.31	-0.36	-0.32	0.34	0.38	-0.38	-0.45	0.06	-0.01	0.11
NCU04600	protein phosphatase 2C isoform gamma	21.36	20.76	21.61	21.23	-0.60	-0.38	0.25	0.47	-0.62	-0.51	-0.03	0.08	0.11
NCU08053	hypothetical protein	17.99	16.96	18.13	17.31	-1.03	-0.82	0.14	0.35	-1.05	-0.95	-0.14	-0.04	0.10
NCU02450	threonine dehydratase	18.85	18.21	19.22	18.62	-0.64	-0.60	0.37	0.41	-0.66	-0.73	0.09	0.02	0.10
NCU04343	ergothioneine-1	21.33	20.66	21.67	20.97	-0.67	-0.70	0.34	0.31	-0.69	-0.83	0.06	-0.08	0.09
	Not detected in both replicates of each sample		only in delta-Por - blue; only in WT - yellow											
NCU00865	oxalate decarboxylase oxdC			21.00	21.09									
NCU03559	ubiquinol-cytochrome c reductase complex core protein 2 precursor			19.85	20.10									
NCU00399	cell wall protein PhiA			20.08	19.84									
NCU10521	glutathione S-transferase-4			19.22	20.05									
NCU07053	aldehyde dehydrogenase			19.17	19.49									
NCU02955	elongation factor G 1			18.63	17.88									
NCU11291	hypothetical protein			17.85	18.59									
NCU09808	dynamlin-1			17.49	18.87									
NCU09290	proteasome catalytic beta-1			18.35	18.00									
NCU04697	cyanide hydratase			17.39	18.42									
NCU07456	riboflavin-5			17.63	18.03									
NCU09119	ATP synthase subunit gamma			18.08	17.38									
NCU09024	hypothetical protein			18.05	17.39									
NCU05986	sucrase/ferredoxin domain-containing protein			17.12	18.14									
NCU04314	hypothetical protein			17.30	17.85									
NCU09897	vacuolar membrane ATPase-5			17.26	17.34									
NCU01765	NADH:ubiquinone oxidoreductase 78			17.96	16.63									
NCU01906	GCY protein			16.75	17.76									
NCU09537	rho-GTPase-activating protein 8			17.44	16.93									
NCU07257	F-box domain-containing protein			16.84	17.41									
NCU01213	superoxide dismutase-2			17.45	16.56									
NCU07468	NAD dependent epimerase/dehydratase			17.10	16.69									
NCU03526	ubiquitin-activating enzyme E1 3			16.50	17.25									
NCU01347	hypothetical protein			16.47	17.08									
NCU03979	biotin-1			16.43	17.08									
NCU02482	tricarboxylic acid-2			17.03	16.45									
NCU05841	UMTA			16.63	16.84									
NCU08117	hypothetical protein			16.09	17.22									
NCU06653	hypothetical protein			16.39	16.75									
NCU06142	hypothetical protein			17.10	15.97									
NCU09409	arylesterase/monooxygenase			16.64	16.42									
NCU09705	GAL10			16.29	16.73									
NCU05419	hydroxymethylglutaryl-CoA lyase			16.15	16.85									
NCU07296	colonial temperature sensitive-1			17.25	15.68									
NCU01200	peptidyl-prolyl cis-trans isomerase B			15.96	16.93									
NCU01797	nonrepressor of conidiation-2			16.16	16.53									
NCU00137	ssDNA binding protein			16.92	15.73									
NCU03793	hypothetical protein			16.32	16.30									
NCU03617	haloacetal dehalogenase			15.64	16.93									
NCU00395	mRNA processing protein			16.22	16.34									
NCU11424	carotenoid oxygenase-2			15.44	17.03									
NCU03732	SIS1			15.25	17.20									
NCU06303	alcohol dehydrogenase			16.64	15.78									
NCU02962	hypothetical protein			16.75	15.66									
NCU03662	hypothetical protein			15.80	16.51									

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**Table S5.** Categories of proteins enriched the pool of down-regulated proteins in  $\Delta$ Por-1.

**A. Proteins in Functional Category 1.01 Amino acid metabolism**

NCU09896	adenylyl-sulfate kinase
NCU08998	4-aminobutyrate aminotransferase
NCU07930	cysteine-18
NCU09864	Mt: 2-oxoisovalerate dehydrogenase alpha subunit

**B. Proteins in Functional Category 01.01.09.03.01 Biosynthesis of cysteine**

NCU01652	O-acetylhomoserine
NCU08216	cystathionine beta-synthase
NCU01985	cysteine-11

**C. Proteins in Functional Category 1.02 Nitrogen, sulfur and selenium metabolism**

NCU01652	O-acetylhomoserine
NCU09896	adenylyl-sulfate kinase
NCU03973	alanine
NCU01195	amination-deficient
NCU08998	4-aminobutyrate aminotransferase
NCU05238	cysteine-4
NCU01985	cysteine-11
NCU01428	hydroxyisourate hydrolase
NCU04720	nitrate nonutilizer-6
NCU09291	Mt: FAD dependent sulfhydryl oxidase Erv2

**D. Proteins in Functional Category 01.02.03.01 Sulfate assimilation**

NCU09896	adenylyl-sulfate kinase
NCU05238	cysteine-4
NCU01985	cysteine-11

**E. Proteins in Functional Category 01.02.03.04 Conjunction of sulfate**

NCU09896	adenylyl-sulfate kinase
NCU01985	cysteine-11

**F. Proteins in Functional Category 01.06.06.11 Tetracyclic and pentacyclic triterpenes (cholesterin, steroids and hopanoids) metabolism**

NCU02571	acetyl-CoA acetyltransferase
NCU11381	diphosphomevalonate decarboxylase
NCU03922	hydroxymethylglutaryl-CoA synthase
NCU07719	isopentenyl-diphosphate delta-isomerase
NCU03897	RNA binding effector protein Scp160
NCU00712	Mt: 3-hydroxy-3-methylglutaryl-coenzyme A reductase
NCU02669	Mt: signal sequence binding protein

**G. Proteins in Functional Category 16.21.17 pyridoxal phosphate binding**

NCU01652	O-acetylhomoserine
NCU03973	alanine
NCU08998	4-aminobutyrate aminotransferase
NCU09116	aromatic aminotransferase Aro8
NCU04292	branched-chain-amino-acid aminotransferase
NCU08216	cystathionine beta-synthase

**Table S6.** Categories of proteins enriched the pool of upregulated proteins in  $\Delta$ Por-1. Categories were determined as described in the legend to Figure / .

**A. Proteins in functional category 02 (Energy)**

**02.01 tricarboxylic-acid pathway (citrate cycle, Krebs cycle, TCA cycle)**

NCU00461	glutamate dehydrogenase-1
NCU00720	L-lactate dehydrogenase
NCU01227	succinate--CoA ligase
NCU01692	citrate synthase
NCU02366	Aconitate hydratase
NCU06482	pyruvate dehydrogenase E1 component alpha subunit
NCU07659	pyruvate dehydrogenase E2 component

**02.13.03 aerobic respiration**

NCU01808	cytochrome c-1
NCU02162	SURF-family protein
NCU02514	ATPase-1
NCU02549	mitochondrial-processing peptidase subunit beta
NCU05430	ATPase-2
NCU06086	Q subcomponent-binding protein, mitochondrial
NCU06141	protoheme IX farnesyltransferase
NCU08004	electron transfer flavoprotein alpha subunit

**B. Proteins in functional category 01 (Metabolism)**

**01.05 C-compound and carbohydrate metabolism**

NCU00350	epoxide hydrolase
NCU01092	3-oxoacyl-(acyl-carrier-protein) reductase
NCU03068	pyridoxine-3
NCU03949	Nitronate monooxygenase
NCU05041	Trehalose 6-phosphate synthase
NCU06482	Pyruvate dehydrogenase E1 component alpha subunit
NCU07008	Carotenoid oxygenase-1
NCU07659	Pyruvate dehydrogenase E2 component
NCU07737	Salicylate hydroxylase
NCU08044	Malonic semialdehyde reductase
NCU08402	Zinc-binding alcohol dehydrogenase

NCU09798	aryl-alcohol dehydrogenase
NCU10572	short chain oxidoreductase
NCU00720	L-lactate dehydrogenase
NCU00865	oxalate decarboxylase
NCU01227	succinyl-CoA synthetase alpha subunit
NCU01272	mitochondrial presequence protease
NCU01692	citrate synthesis
NCU02097	short chain dehydrogenase
NCU02366	aconitate hydratase
NCU04483	epoxide hydrolase
NCU07008	Carotenoid oxygenase 1
NCU06441	2-hydroxyglutarate---pyruvate transhydrogenase
NCU09519	2,5-diketo-D-gluconic acid reductase A
NCU09559	clock-controlled gene-9

#### 01.05.02.07 sugar, glucoside, polyol, and carboxylate catabolism

NCU00720	L-lactate dehydrogenase
NCU00865	oxalate decarboxylase
NCU01227	Succinyl-CoA synthetase alpha subunit
NCU01692	Citrate synthesis
NCU02097	short chain dehydrogenase
NCU02366	Aconitate hydratase
NCU04483	epoxide hydrolase
NCU05594	L-galactose dehydrogenase
NCU06441	2-hydroxyglutarate---pyruvate transhydrogenase
NCU06687	glycogen synthase-1
NCU07240	Aflatoxin B1 aldehyde reductase member 2
NCU08384	xylose reductase
NCU09519	2,5-diketo-D-gluconic acid reductase A

#### C. Proteins in functional category 20.03.22 transport ATPases

NCU01207	vacuolar membrane ATPase-1
NCU02514	ATPase-1
NCU05430	ATPase-2
NCU07546	multidrug resistance protein MDR
NCU08515	vacuolar membrane ATPase-2
NCU07753	multidrug resistance protein 3

## **D. Proteins in functional category 32 (cell rescue, defense and virulence)**

### **32.01 stress response**

NCU00355	catalase-3
NCU00465	chaperone dnaJ
NCU01589	heat shock protein 60
NCU01808	cytochrome c-1
NCU02113	ubiquitin-conjugating enzyme E2 13
NCU03068	pyridoxine-3
NCU03739	ERP38 protein
NCU03786	serine/threonine-protein phosphatase 2A regulatory subunit B
NCU04069	3'-phosphoadenosine 5'-phosphatase isoform B
NCU05041	trehalose-phosphatase
NCU05143	rds1
NCU06372	ubiquitin hydrolase L3
NCU08693	heat shock protein 70-5
NCU09559	clock-controlled gene-9

#### **32.01.05 heat shock response**

NCU00465	chaperone dnaJ
NCU01166	cAMP-dependent protein kinase regulator
NCU01589	heat shock protein 60
NCU08384	xylose reductase
NCU08693	heat shock protein 70-5

#### **32.07.07.01 catalase reaction**

NCU00355	catalase-3
NCU05770	catalase-2

#### **32.07.07.03 glutathione conjugation reaction**

NCU00173	esterase D
NCU00549	glutathione transferase omega-1
NCU05780	glutathione S-transferase-1

### 32.07.07.07 superoxide metabolism

NCU00350	epoxide hydrolase
NCU07851	superoxide dismutase 1 copper chaperone
NCU09560	superoxide dismutase